



# **Guide to Schematron Rules and Patterns**

---

## **ISM Schematron Guide**

**Version 2021-NOVr2022-NOV**

December 1, 2022

Distribution Notice:

This document has been approved for Public Release and is available for use without restriction.

## Table of Contents

Chapter 1 - Introduction .....	1
1.1 - Purpose .....	1
1.2 - Overview .....	1
1.3 - Schematron .....	1
1.4 - Conformance .....	1
Chapter 2 - Schematron Phase STRUCTURECHECK .....	3
Chapter 3 - Schematron Phase VALUECHECK .....	9
Chapter 4 - Schematron Phase BANNER .....	36
Chapter 5 - Schematron Phase PORTION .....	54
Chapter 6 - Schematron Phase ROLLDOWN .....	72
Chapter 7 - Schematron Phase ROLLUP .....	75
Chapter 8 - Schematron Phase TYPECHECK .....	81
Chapter 9 - Schematron Phase INFRASTRUCTURE .....	83
Chapter 10 - Schematron Phase NON-ENV .....	84
Chapter 11 - Rules .....	118
11.1 - ../Rules/general/ISM_ID_00002.sch .....	119
11.2 - ../Rules/general/ISM_ID_00012.sch .....	120
11.3 - ../Rules/USGov/ISM_ID_00014.sch .....	121
11.4 - ../Rules/USGov/ISM_ID_00016.sch .....	122
11.5 - ../Rules/USGov/ISM_ID_00017.sch .....	123
11.6 - ../Rules/USGov/ISM_ID_00028.sch .....	124
11.7 - ../Rules/USGov/ISM_ID_00030.sch .....	125
11.8 - ../Rules/USGov/ISM_ID_00031.sch .....	126
11.9 - ../Rules/USGov/ISM_ID_00032.sch .....	127
11.10 - ../Rules/USGov/ISM_ID_00033.sch .....	128
11.11 - ../Rules/USGov/ISM_ID_00037.sch .....	129
11.12 - ../Rules/USGov/ISM_ID_00038.sch .....	130
11.13 - ../Rules/USGov/ISM_ID_00040.sch .....	131
11.14 - ../Rules/USGov/ISM_ID_00043.sch .....	132
11.15 - ../Rules/USGov/ISM_ID_00044.sch .....	133
11.16 - ../Rules/USGov/ISM_ID_00045.sch .....	134
11.17 - ../Rules/USGov/ISM_ID_00047.sch .....	135
11.18 - ../Rules/USGov/ISM_ID_00048.sch .....	136
11.19 - ../Rules/USGov/ISM_ID_00049.sch .....	137
11.20 - ../Rules/USGov/ISM_ID_00056.sch .....	138
11.21 - ../Rules/USGov/ISM_ID_00058.sch .....	139
11.22 - ../Rules/USGov/ISM_ID_00059.sch .....	140
11.23 - ../Rules/USGov/ISM_ID_00064.sch .....	141
11.24 - ../Rules/USGov/ISM_ID_00065.sch .....	142
11.25 - ../Rules/USGov/ISM_ID_00066.sch .....	143
11.26 - ../Rules/USGov/ISM_ID_00067.sch .....	144
11.27 - ../Rules/USGov/ISM_ID_00068.sch .....	145
11.28 - ../Rules/USGov/ISM_ID_00070.sch .....	146
11.29 - ../Rules/USGov/ISM_ID_00071.sch .....	147
11.30 - ../Rules/USGov/ISM_ID_00072.sch .....	148
11.31 - ../Rules/USGov/ISM_ID_00073.sch .....	149

11.32 - //Rules/USGov/ISM_ID_00074.sch .....	150
11.33 - //Rules/USGov/ISM_ID_00075.sch .....	151
11.34 - //Rules/USGov/ISM_ID_00077.sch .....	152
11.35 - //Rules/USGov/ISM_ID_00078.sch .....	153
11.36 - //Rules/USGov/ISM_ID_00079.sch .....	154
11.37 - //Rules/USGov/ISM_ID_00080.sch .....	155
11.38 - //Rules/USGov/ISM_ID_00081.sch .....	156
11.39 - //Rules/USGov/ISM_ID_00084.sch .....	157
11.40 - //Rules/USGov/ISM_ID_00085.sch .....	158
11.41 - //Rules/USGov/ISM_ID_00086.sch .....	159
11.42 - //Rules/USGov/ISM_ID_00087.sch .....	160
11.43 - //Rules/USGov/ISM_ID_00088.sch .....	161
11.44 - //Rules/USGov/ISM_ID_00090.sch .....	162
11.45 - //Rules/USGov/ISM_ID_00097.sch .....	163
11.46 - //Rules/USGov/ISM_ID_00099.sch .....	164
11.47 - //Rules/general/ISM_ID_00102.sch .....	165
11.48 - //Rules/general/ISM_ID_00103.sch .....	166
11.49 - //Rules/USGov/ISM_ID_00104.sch .....	167
11.50 - //Rules/USGov/ISM_ID_00105.sch .....	168
11.51 - //Rules/USGov/ISM_ID_00107.sch .....	169
11.52 - //Rules/USGov/ISM_ID_00108.sch .....	170
11.53 - //Rules/USGov/ISM_ID_00109.sch .....	171
11.54 - //Rules/USGov/ISM_ID_00110.sch .....	172
11.55 - //Rules/general/ISM_ID_00118.sch .....	173
11.56 - //Rules/USIC/ISM_ID_00119.sch .....	174
11.57 - //Rules/USGov/ISM_ID_00124.sch .....	175
11.58 - //Rules/general/ISM_ID_00125.sch .....	176
11.59 - //Rules/USGov/ISM_ID_00127.sch .....	177
11.60 - //Rules/USGov/ISM_ID_00128.sch .....	178
11.61 - //Rules/USGov/ISM_ID_00129.sch .....	179
11.62 - //Rules/USGov/ISM_ID_00130.sch .....	180
11.63 - //Rules/USGov/ISM_ID_00132.sch .....	181
11.64 - //Rules/USGov/ISM_ID_00133.sch .....	182
11.65 - //Rules/USGov/ISM_ID_00134.sch .....	183
11.66 - //Rules/USGov/ISM_ID_00135.sch .....	184
11.67 - //Rules/USGov/ISM_ID_00136.sch .....	185
11.68 - //Rules/USGov/ISM_ID_00138.sch .....	186
11.69 - //Rules/USGov/ISM_ID_00139.sch .....	187
11.70 - //Rules/USGov/ISM_ID_00141.sch .....	188
11.71 - //Rules/USGov/ISM_ID_00142.sch .....	189
11.72 - //Rules/USGov/ISM_ID_00143.sch .....	190
11.73 - //Rules/USGov/ISM_ID_00145.sch .....	191
11.74 - //Rules/USGov/ISM_ID_00146.sch .....	192
11.75 - //Rules/USGov/ISM_ID_00147.sch .....	193
11.76 - //Rules/USGov/ISM_ID_00148.sch .....	194
11.77 - //Rules/USGov/ISM_ID_00149.sch .....	195
11.78 - //Rules/USGov/ISM_ID_00150.sch .....	196
11.79 - //Rules/USGov/ISM_ID_00151.sch .....	197
11.80 - //Rules/USGov/ISM_ID_00152.sch .....	198

11.81 - //Rules/USGov/ISM_ID_00153.sch .....	199
11.82 - //Rules/USGov/ISM_ID_00154.sch .....	200
11.83 - //Rules/USDOD/ISM_ID_00155.sch .....	201
11.84 - //Rules/USDOD/ISM_ID_00157.sch .....	202
11.85 - //Rules/USDOD/ISM_ID_00158.sch .....	203
11.86 - //Rules/USGov/ISM_ID_00159.sch .....	204
11.87 - //Rules/USDOD/ISM_ID_00161.sch .....	205
11.88 - //Rules/USDOD/ISM_ID_00162.sch .....	206
11.89 - //Rules/general/ISM_ID_00163.sch .....	207
11.90 - //Rules/USGov/ISM_ID_00164.sch .....	208
11.91 - //Rules/USGov/ISM_ID_00165.sch .....	209
11.92 - //Rules/USGov/ISM_ID_00166.sch .....	210
11.93 - //Rules/USGov/ISM_ID_00168.sch .....	211
11.94 - //Rules/USGov/ISM_ID_00169.sch .....	212
11.95 - //Rules/USGov/ISM_ID_00170.sch .....	213
11.96 - //Rules/USGov/ISM_ID_00173.sch .....	214
11.97 - //Rules/USGov/ISM_ID_00174.sch .....	215
11.98 - //Rules/USGov/ISM_ID_00175.sch .....	216
11.99 - //Rules/USGov/ISM_ID_00176.sch .....	217
11.100 - //Rules/USGov/ISM_ID_00179.sch .....	218
11.101 - //Rules/USGov/ISM_ID_00180.sch .....	219
11.102 - //Rules/USGov/ISM_ID_00181.sch .....	220
11.103 - //Rules/USGov/ISM_ID_00183.sch .....	221
11.104 - //Rules/USGov/ISM_ID_00184.sch .....	222
11.105 - //Rules/USGov/ISM_ID_00185.sch .....	223
11.106 - //Rules/USGov/ISM_ID_00188.sch .....	224
11.107 - //Rules/USGov/ISM_ID_00189.sch .....	225
11.108 - //Rules/USGov/ISM_ID_00190.sch .....	226
11.109 - //Rules/USGov/ISM_ID_00191.sch .....	227
11.110 - //Rules/USGov/ISM_ID_00192.sch .....	228
11.111 - //Rules/USGov/ISM_ID_00193.sch .....	229
11.112 - //Rules/general/ISM_ID_00194.sch .....	230
11.113 - //Rules/general/ISM_ID_00195.sch .....	231
11.114 - //Rules/USGov/ISM_ID_00196.sch .....	232
11.115 - //Rules/USGov/ISM_ID_00197.sch .....	233
11.116 - //Rules/USGov/ISM_ID_00198.sch .....	234
11.117 - //Rules/USGov/ISM_ID_00199.sch .....	235
11.118 - //Rules/USGov/ISM_ID_00200.sch .....	236
11.119 - //Rules/USGov/ISM_ID_00201.sch .....	237
11.120 - //Rules/USGov/ISM_ID_00202.sch .....	238
11.121 - //Rules/USGov/ISM_ID_00203.sch .....	239
11.122 - //Rules/USGov/ISM_ID_00204.sch .....	240
11.123 - //Rules/USGov/ISM_ID_00205.sch .....	241
11.124 - //Rules/USGov/ISM_ID_00206.sch .....	242
11.125 - //Rules/USGov/ISM_ID_00207.sch .....	243
11.126 - //Rules/USGov/ISM_ID_00208.sch .....	244
11.127 - //Rules/USGov/ISM_ID_00209.sch .....	245
11.128 - //Rules/USGov/ISM_ID_00210.sch .....	246
11.129 - //Rules/USGov/ISM_ID_00211.sch .....	247

11.130 - //Rules/USGov/ISM_ID_00213.sch .....	248
11.131 - //Rules/USGov/ISM_ID_00214.sch .....	249
11.132 - //Rules/USGov/ISM_ID_00217.sch .....	250
11.133 - //Rules/USGov/ISM_ID_00219.sch .....	251
11.134 - //Rules/USGov/ISM_ID_00221.sch .....	252
11.135 - //Rules/USGov/ISM_ID_00223.sch .....	253
11.136 - //Rules/USIC/ISM_ID_00225.sch .....	254
11.137 - //Rules/USGov/ISM_ID_00226.sch .....	255
11.138 - //Rules/USDOD/ISM_ID_00227.sch .....	256
11.139 - //Rules/USGov/ISM_ID_00228.sch .....	257
11.140 - //Rules/USGov/ISM_ID_00229.sch .....	258
11.141 - //Rules/USGov/ISM_ID_00230.sch .....	259
11.142 - //Rules/USGov/ISM_ID_00231.sch .....	260
11.143 - //Rules/general/ISM_ID_00236.sch .....	261
11.144 - //Rules/USDOD/ISM_ID_00237.sch .....	262
11.145 - //Rules/USDOD/ISM_ID_00238.sch .....	263
11.146 - //Rules/USDOD/ISM_ID_00239.sch .....	264
11.147 - //Rules/USDOD/ISM_ID_00240.sch .....	265
11.148 - //Rules/USGov/ISM_ID_00242.sch .....	266
11.149 - //Rules/USGov/ISM_ID_00243.sch .....	267
11.150 - //Rules/USGov/ISM_ID_00244.sch .....	268
11.151 - //Rules/USGov/ISM_ID_00245.sch .....	269
11.152 - //Rules/USGov/ISM_ID_00246.sch .....	270
11.153 - //Rules/general/ISM_ID_00248.sch .....	271
11.154 - //Rules/USGov/ISM_ID_00250.sch .....	272
11.155 - //Rules/USIC/ISM_ID_00251.sch .....	273
11.156 - //Rules/USGov/ISM_ID_00252.sch .....	274
11.157 - //Rules/USGov/ISM_ID_00253.sch .....	275
11.158 - //Rules/USGov/ISM_ID_00254.sch .....	276
11.159 - //Rules/USGov/ISM_ID_00255.sch .....	277
11.160 - //Rules/USGov/ISM_ID_00256.sch .....	278
11.161 - //Rules/USGov/ISM_ID_00257.sch .....	279
11.162 - //Rules/USGov/ISM_ID_00258.sch .....	280
11.163 - //Rules/USGov/ISM_ID_00259.sch .....	281
11.164 - //Rules/USGov/ISM_ID_00260.sch .....	282
11.165 - //Rules/USGov/ISM_ID_00261.sch .....	283
11.166 - //Rules/USGov/ISM_ID_00262.sch .....	284
11.167 - //Rules/USGov/ISM_ID_00263.sch .....	285
11.168 - //Rules/USGov/ISM_ID_00264.sch .....	286
11.169 - //Rules/USGov/ISM_ID_00265.sch .....	287
11.170 - //Rules/USGov/ISM_ID_00266.sch .....	288
11.171 - //Rules/USGov/ISM_ID_00267.sch .....	289
11.172 - //Rules/USGov/ISM_ID_00268.sch .....	290
11.173 - //Rules/USGov/ISM_ID_00269.sch .....	291
11.174 - //Rules/USGov/ISM_ID_00270.sch .....	292
11.175 - //Rules/USGov/ISM_ID_00271.sch .....	293
11.176 - //Rules/USGov/ISM_ID_00272.sch .....	294
11.177 - //Rules/USGov/ISM_ID_00273.sch .....	295
11.178 - //Rules/USGov/ISM_ID_00274.sch .....	296

11.179 - //Rules/USGov/ISM_ID_00275.sch .....	297
11.180 - //Rules/USGov/ISM_ID_00276.sch .....	298
11.181 - //Rules/USGov/ISM_ID_00277.sch .....	299
11.182 - //Rules/USGov/ISM_ID_00278.sch .....	300
11.183 - //Rules/USGov/ISM_ID_00279.sch .....	301
11.184 - //Rules/USGov/ISM_ID_00280.sch .....	302
11.185 - //Rules/USGov/ISM_ID_00281.sch .....	303
11.186 - //Rules/USGov/ISM_ID_00282.sch .....	304
11.187 - //Rules/USGov/ISM_ID_00283.sch .....	305
11.188 - //Rules/USGov/ISM_ID_00284.sch .....	306
11.189 - //Rules/USGov/ISM_ID_00285.sch .....	307
11.190 - //Rules/USGov/ISM_ID_00286.sch .....	308
11.191 - //Rules/USGov/ISM_ID_00287.sch .....	309
11.192 - //Rules/USGov/ISM_ID_00288.sch .....	310
11.193 - //Rules/USGov/ISM_ID_00289.sch .....	311
11.194 - //Rules/USGov/ISM_ID_00290.sch .....	312
11.195 - //Rules/USGov/ISM_ID_00291.sch .....	313
11.196 - //Rules/USGov/ISM_ID_00292.sch .....	314
11.197 - //Rules/USGov/ISM_ID_00293.sch .....	315
11.198 - //Rules/USGov/ISM_ID_00294.sch .....	316
11.199 - //Rules/USGov/ISM_ID_00295.sch .....	317
11.200 - //Rules/USGov/ISM_ID_00296.sch .....	318
11.201 - //Rules/USGov/ISM_ID_00297.sch .....	319
11.202 - //Rules/USGov/ISM_ID_00298.sch .....	320
11.203 - //Rules/USGov/ISM_ID_00299.sch .....	321
11.204 - //Rules/general/ISM_ID_00300.sch .....	322
11.205 - //Rules/USGov/ISM_ID_00302.sch .....	323
11.206 - //Rules/USGov/ISM_ID_00303.sch .....	324
11.207 - //Rules/USGov/ISM_ID_00313.sch .....	325
11.208 - //Rules/USGov/ISM_ID_00314.sch .....	326
11.209 - //Rules/USGov/ISM_ID_00315.sch .....	327
11.210 - //Rules/USGov/ISM_ID_00316.sch .....	328
11.211 - //Rules/USGov/ISM_ID_00317.sch .....	329
11.212 - //Rules/USGov/ISM_ID_00318.sch .....	330
11.213 - //Rules/USGov/ISM_ID_00319.sch .....	331
11.214 - //Rules/USGov/ISM_ID_00320.sch .....	332
11.215 - //Rules/USGov/ISM_ID_00321.sch .....	333
11.216 - //Rules/general/ISM_ID_00323.sch .....	334
11.217 - //Rules/USGov/ISM_ID_00324.sch .....	335
11.218 - //Rules/USGov/ISM_ID_00325.sch .....	336
11.219 - //Rules/USGov/ISM_ID_00326.sch .....	337
11.220 - //Rules/USGov/ISM_ID_00327.sch .....	338
11.221 - //Rules/USGov/ISM_ID_00328.sch .....	339
11.222 - //Rules/USGov/ISM_ID_00330.sch .....	340
11.223 - //Rules/USGov/ISM_ID_00332.sch .....	341
11.224 - //Rules/USGov/ISM_ID_00335.sch .....	342
11.225 - //Rules/USGov/ISM_ID_00336.sch .....	343
11.226 - //Rules/general/ISM_ID_00337.sch .....	344
11.227 - //Rules/general/ISM_ID_00338.sch .....	345

11.228 - //Rules/general/ISM_ID_00339.sch .....	346
11.229 - //Rules/general/ISM_ID_00340.sch .....	347
11.230 - //Rules/USGov/ISM_ID_00341.sch .....	348
11.231 - //Rules/USGov/ISM_ID_00343.sch .....	349
11.232 - //Rules/USGov/ISM_ID_00344.sch .....	350
11.233 - //Rules/USGov/ISM_ID_00345.sch .....	351
11.234 - //Rules/USGov/ISM_ID_00346.sch .....	352
11.235 - //Rules/USGov/ISM_ID_00347.sch .....	353
11.236 - //Rules/USGov/ISM_ID_00348.sch .....	354
11.237 - //Rules/USGov/ISM_ID_00349.sch .....	355
11.238 - //Rules/USGov/ISM_ID_00350.sch .....	356
11.239 - //Rules/USGov/ISM_ID_00351.sch .....	357
11.240 - //Rules/USGov/ISM_ID_00352.sch .....	358
11.241 - //Rules/USGov/ISM_ID_00353.sch .....	359
11.242 - //Rules/USGov/ISM_ID_00354.sch .....	360
11.243 - //Rules/USGov/ISM_ID_00355.sch .....	361
11.244 - //Rules/USGov/ISM_ID_00356.sch .....	362
11.245 - //Rules/USGov/ISM_ID_00357.sch .....	363
11.246 - //Rules/general/ISM_ID_00358.sch .....	364
11.247 - //Rules/general/ISM_ID_00359.sch .....	365
11.248 - //Rules/general/ISM_ID_00360.sch .....	366
11.249 - //Rules/USGov/ISM_ID_00361.sch .....	367
11.250 - //Rules/USGov/ISM_ID_00362.sch .....	368
11.251 - //Rules/USGov/ISM_ID_00363.sch .....	369
11.252 - //Rules/USGov/ISM_ID_00364.sch .....	370
11.253 - //Rules/USGov/ISM_ID_00365.sch .....	371
11.254 - //Rules/USGov/ISM_ID_00367.sch .....	372
11.255 - //Rules/USGov/ISM_ID_00368.sch .....	373
11.256 - //Rules/USGov/ISM_ID_00369.sch .....	374
11.257 - //Rules/USGov/ISM_ID_00370.sch .....	375
11.258 - //Rules/USGov/ISM_ID_00371.sch .....	376
11.259 - //Rules/USGov/ISM_ID_00372.sch .....	377
11.260 - //Rules/USGov/ISM_ID_00373.sch .....	378
11.261 - //Rules/USGov/ISM_ID_00374.sch .....	379
11.262 - //Rules/general/ISM_ID_00375.sch .....	380
11.263 - //Rules/general/ISM_ID_00376.sch .....	381
11.264 - //Rules/general/ISM_ID_00377.sch .....	382
11.265 - //Rules/general/ISM_ID_00378.sch .....	383
11.266 - //Rules/USGov/ISM_ID_00379.sch .....	384
11.267 - //Rules/USGov/ISM_ID_00380.sch .....	385
11.268 - //Rules/general/ISM_ID_00381.sch .....	386
11.269 - //Rules/general/ISM_ID_00382.sch .....	387
11.270 - //Rules/general/ISM_ID_00383.sch .....	388
11.271 - //Rules/USGov/ISM_ID_00384.sch .....	389
11.272 - //Rules/USGov/ISM_ID_00385.sch .....	390
11.273 - //Rules/USGov/ISM_ID_00386.sch .....	391
11.274 - //Rules/USGov/ISM_ID_00387.sch .....	392
11.275 - //Rules/USGov/ISM_ID_00388.sch .....	393
11.276 - //Rules/USGov/ISM_ID_00389.sch .....	394

11.277 - //Rules/USGov/ISM_ID_00391.sch .....	395
11.278 - //Rules/USGov/ISM_ID_00392.sch .....	396
11.279 - //Rules/USGov/ISM_ID_00393.sch .....	397
11.280 - //Rules/USGov/ISM_ID_00394.sch .....	398
11.281 - //Rules/USGov/ISM_ID_00396.sch .....	399
11.282 - //Rules/USGov/ISM_ID_00397.sch .....	400
11.283 - //Rules/USGov/ISM_ID_00398.sch .....	401
11.284 - //Rules/NTK/general/ISM_ID_00399.sch .....	402
11.285 - //Rules/NTK/general/ISM_ID_00400.sch .....	403
11.286 - //Rules/NTK/exdis/ISM_ID_00401.sch .....	404
11.287 - //Rules/NTK/orcon/ISM_ID_00402.sch .....	405
11.288 - //Rules/NTK/MN/ISM_ID_00403.sch .....	406
11.289 - //Rules/NTK/MN/ISM_ID_00404.sch .....	407
11.290 - //Rules/NTK/MN/ISM_ID_00405.sch .....	408
11.291 - //Rules/NTK/MN/ISM_ID_00406.sch .....	409
11.292 - //Rules/NTK/propin/ISM_ID_00407.sch .....	410
11.293 - //Rules/NTK/propin/ISM_ID_00408.sch .....	411
11.294 - //Rules/NTK/grp-ind/ISM_ID_00409.sch .....	412
11.295 - //Rules/NTK/grp-ind/ISM_ID_00410.sch .....	413
11.296 - //Rules/NTK/general/ISM_ID_00411.sch .....	414
11.297 - //Rules/NTK/general/ISM_ID_00412.sch .....	415
11.298 - //Rules/NTK/general/ISM_ID_00413.sch .....	416
11.299 - //Rules/NTK/datasphere/ISM_ID_00414.sch .....	417
11.300 - //Rules/NTK/datasphere/ISM_ID_00415.sch .....	418
11.301 - //Rules/NTK/general/ISM_ID_00416.sch .....	419
11.302 - //Rules/NTK/general/ISM_ID_00417.sch .....	420
11.303 - //Rules/NTK/general/ISM_ID_00418.sch .....	421
11.304 - //Rules/NTK/ICO/ISM_ID_00419.sch .....	422
11.305 - //Rules/NTK/general/ISM_ID_00420.sch .....	423
11.306 - //Rules/NTK/agencyDissem/ISM_ID_00421.sch .....	424
11.307 - //Rules/NTK/general/ISM_ID_00422.sch .....	425
11.308 - //Rules/NTK/MN/ISM_ID_00423.sch .....	426
11.309 - //Rules/NTK/MN/ISM_ID_00424.sch .....	427
11.310 - //Rules/NTK/general/ISM_ID_00425.sch .....	428
11.311 - //Rules/NTK/general/ISM_ID_00426.sch .....	429
11.312 - //Rules/NTK/permissive/ISM_ID_00427.sch .....	430
11.313 - //Rules/NTK/agencyDissem/ISM_ID_00428.sch .....	431
11.314 - //Rules/NTK/propin/ISM_ID_00429.sch .....	432
11.315 - //Rules/NTK/restrictive/ISM_ID_00430.sch .....	433
11.316 - //Rules/NTK/restrictive/ISM_ID_00431.sch .....	434
11.317 - //Rules/NTK/orcon/ISM_ID_00432.sch .....	435
11.318 - //Rules/NTK/exdis/ISM_ID_00433.sch .....	436
11.319 - //Rules/NTK/general/ISM_ID_00434.sch .....	437
11.320 - //Rules/NTK/general/ISM_ID_00435.sch .....	439
11.321 - //Rules/NTK/general/ISM_ID_00436.sch .....	440
11.322 - //Rules/NTK/general/ISM_ID_00437.sch .....	442
11.323 - //Rules/NTK/general/ISM_ID_00438.sch .....	443
11.324 - //Rules/NTK/MN/ISM_ID_00439.sch .....	444
11.325 - //Rules/NTK/general/ISM_ID_00440.sch .....	445

11.326 - //Rules/USGov/ISM_ID_00441.sch .....	446
11.327 - //Rules/USGov/ISM_ID_00442.sch .....	447
11.328 - //Rules/USGov/ISM_ID_00443.sch .....	448
11.329 - //Rules/USGov/ISM_ID_00444.sch .....	449
11.330 - //Rules/general/ISM_ID_00445.sch .....	450
11.331 - //Rules/general/ISM_ID_00446.sch .....	451
11.332 - //Rules/general/ISM_ID_00447.sch .....	452
11.333 - //Rules/general/ISM_ID_00448.sch .....	453
11.334 - //Rules/general/ISM_ID_00449.sch .....	454
11.335 - //Rules/general/ISM_ID_00450.sch .....	455
11.336 - //Rules/general/ISM_ID_00451.sch .....	456
11.337 - //Rules/general/ISM_ID_00452.sch .....	457
11.338 - //Rules/general/ISM_ID_00453.sch .....	458
11.339 - //Rules/NTK/general/ISM_ID_00454.sch .....	459
11.340 - //Rules/NTK/general/ISM_ID_00455.sch .....	460
11.341 - //Rules/NTK/RAC/ISM_ID_00456.sch .....	461
11.342 - //Rules/NTK/general/ISM_ID_00457.sch .....	462
11.343 - //Rules/NTK/RAC/ISM_ID_00458.sch .....	463
11.344 - //Rules/USGov/ISM_ID_00459.sch .....	464
11.345 - //Rules/USGov/ISM_ID_00460.sch .....	465
11.346 - //Rules/USGov/ISM_ID_00461.sch .....	466
11.347 - //Rules/USGov/ISM_ID_00462.sch .....	467
11.348 - //Rules/USGov/ISM_ID_00463.sch .....	468
11.349 - //Rules/USGov/ISM_ID_00464.sch .....	469
11.350 - //Rules/USGov/ISM_ID_00465.sch .....	470
11.351 - //Rules/USGov/ISM_ID_00466.sch .....	471
11.352 - //Rules/USGov/ISM_ID_00467.sch .....	472
11.353 - //Rules/USGov/ISM_ID_00468.sch .....	473
11.354 - //Rules/USGov/ISM_ID_00469.sch .....	474
11.355 - //Rules/USGov/ISM_ID_00470.sch .....	475
11.356 - //Rules/USGov/ISM_ID_00471.sch .....	476
11.357 - //Rules/USGov/ISM_ID_00472.sch .....	477
11.358 - //Rules/USGov/ISM_ID_00473.sch .....	478
11.359 - //Rules/USGov/ISM_ID_00474.sch .....	479
11.360 - //Rules/USGov/ISM_ID_00475.sch .....	480
11.361 - //Rules/USGov/ISM_ID_00476.sch .....	481
11.362 - //Rules/NTK/permssv-ent-role/ISM_ID_00477.sch .....	482
11.363 - //Rules/USGov/ISM_ID_00478.sch .....	483
11.364 - //Rules/USGov/ISM_ID_00479.sch .....	484
11.365 - //Rules/USGov/ISM_ID_00480.sch .....	485
11.366 - //Rules/USGov/ISM_ID_00481.sch .....	486
11.367 - //Rules/USGov/ISM_ID_00482.sch .....	487
11.368 - //Rules/USGov/ISM_ID_00483.sch .....	488
11.369 - //Rules/USGov/ISM_ID_00484.sch .....	489
11.370 - //Rules/USGov/ISM_ID_00485.sch .....	490
11.371 - //Rules/USGov/ISM_ID_00486.sch .....	491
11.372 - //Rules/USGov/ISM_ID_00487.sch .....	492
11.373 - //Rules/USGov/ISM_ID_00488.sch .....	493
11.374 - //Rules/NTK/restrcv-ent-role/ISM_ID_00489.sch .....	494

11.375 - //Rules/NTK/restrcv-ent-role/ISM_ID_00490.sch .....	495
11.376 - //Rules/USGov/ISM_ID_00491.sch .....	496
11.377 - //Rules/USGov/ISM_ID_00492.sch .....	497
11.378 - //Rules/NTK/grp-ind/ISM_ID_00493.sch .....	498
11.379 - //Rules/USGov/ISM_ID_00494.sch .....	499
11.380 - //Rules/USGov/ISM_ID_00495.sch .....	500
11.381 - //Rules/USGov/ISM_ID_00496.sch .....	501
11.382 - //Rules/USGov/ISM_ID_00497.sch .....	502
11.383 - //Rules/USGov/ISM_ID_00498.sch .....	503
11.384 - //Rules/USGov/ISM_ID_00499.sch .....	504
11.385 - //Rules/USGov/ISM_ID_00500.sch .....	505
11.386 - //Rules/USGov/ISM_ID_00501.sch .....	506
11.387 - //Rules/USGov/ISM_ID_00502.sch .....	507
11.388 - //Rules/USGov/ISM_ID_00503.sch .....	508
11.389 - //Rules/USGov/ISM_ID_00504.sch .....	509
11.390 - //Rules/USGov/ISM_ID_00505.sch .....	510
11.391 - //Rules/USGov/ISM_ID_00506.sch .....	511
11.392 - //Rules/USGov/ISM_ID_00507.sch .....	512
11.393 - //Rules/NTK/permssv-ent-role/ISM_ID_00508.sch .....	513
11.394 - //Rules/NTK/general/ISM_ID_00509.sch .....	514
11.395 - //Rules/general/ISM_ID_00510.sch .....	515
11.396 - //Rules/general/ISM_ID_00511.sch .....	516
11.397 - //Rules/USGov/ISM_ID_00512.sch .....	517
11.398 - //Rules/USGov/ISM_ID_00513.sch .....	518
11.399 - //Rules/USGov/ISM_ID_00514.sch .....	519
11.400 - //Rules/USGov/ISM_ID_00515.sch .....	520
11.401 - //Rules/USGov/ISM_ID_00516.sch .....	521
11.402 - //Rules/USGov/ISM_ID_00517.sch .....	522
11.403 - //Rules/USGov/ISM_ID_00518.sch .....	523
11.404 - //Rules/USGov/ISM_ID_00519.sch .....	524
11.405 - //Rules/general/ISM_ID_00520.sch .....	525
11.406 - //Rules/USGov/ISM_ID_00521.sch .....	526
11.407 - //Rules/USGov/ISM_ID_00522.sch .....	527
11.408 - //Rules/USGov/ISM_ID_00523.sch .....	528
11.409 - //Rules/USGov/ISM_ID_00524.sch .....	529
11.410 - //Rules/USGov/ISM_ID_00525.sch .....	530
11.411 - //Rules/USGov/ISM_ID_00526.sch .....	531
11.412 - //Rules/USDOD/ISM_ID_00527.sch .....	532
11.413 - //Rules/USGov/ISM_ID_00528.sch .....	533
11.414 - //Rules/USGov/ISM_ID_00529.sch .....	534
11.415 - //Rules/USGov/ISM_ID_00530.sch .....	535
11.416 - //Rules/USGov/ISM_ID_00531.sch .....	536
11.417 - //Rules/USGov/ISM_ID_00532.sch .....	537
11.418 - //Rules/USGov/ISM_ID_00533.sch .....	538
11.419 - //Rules/USGov/ISM_ID_00534.sch .....	539
11.420 - //Rules/USGov/ISM_ID_00535.sch .....	540
Chapter 12 - Abstract Patterns .....	541
12.1 - //Lib/AttributeContributesToRollup.sch .....	542
12.2 - //Lib/AttributeContributesToRollupWithClassification.sch .....	543

12.3 - //Lib/AttributeContributesToRollupWithException.sch .....	544
12.4 - //Lib/AttributeValueDeprecatedError.sch .....	545
12.5 - //Lib/AttributeValueDeprecatedWarning.sch .....	546
12.6 - //Lib/CheckCommonCountries.sch .....	547
12.7 - //Lib/DataHasCorrespondingNotice.sch .....	548
12.8 - //Lib/DataHasCorrespondingNoticeWithException.sch .....	549
12.9 - //Lib/DataHasCorrespondingNoticeWithRegex.sch .....	550
12.10 - //Lib/MutuallyExclusiveAttributeValues.sch .....	551
12.11 - //Lib/NonCompilationDocumentRollup.sch .....	552
12.12 - //Lib/NoticeHasCorrespondingCUIData.sch .....	553
12.13 - //Lib/NoticeHasCorrespondingData.sch .....	554
12.14 - //Lib/NoticeHasCorrespondingDataTwoPossibleTokens.sch .....	555
12.15 - //Lib/NoticeHasCorrespondingDataUnclassDoc.sch .....	556
12.16 - //Lib/NoticeHasCorrespondingDataWithRegex.sch .....	557
12.17 - //Lib/NtkHasCorrespondingData.sch .....	558
12.18 - //Lib/NtkHasCorrespondingDataTwoTokens.sch .....	559
12.19 - //Lib/ValidateTokenValuePrefixesExistenceInList.sch .....	560
12.20 - //Lib/ValidateTokenValuesExistenceInList.sch .....	561
12.21 - //Lib/ValidateTokenValuesExistenceInListWhenContributesToRollup.sch .....	562
12.22 - //Lib/ValidateTokenValuesExistenceInListWhenContributesToRollupACCM.sch .....	563
12.23 - //Lib/ValidateValidationEnvCVE.sch .....	564
12.24 - //Lib/ValidateValidationEnvSchema.sch .....	565
12.25 - //Lib/ValidateValueExistenceInList.sch .....	566
12.26 - //Lib/ValueExistsInList.sch .....	567
12.27 - //Lib/ValuesOrderedAccordingToCve.sch .....	568
12.28 - //Lib/ValuesOrderedAccordingToCveWhenContributesToRollup.sch .....	569
12.29 - //Lib/ValuesOrderedAccordingToCveWhenContributesToRollupACCM.sch .....	570
12.30 - //Lib/VocabHasCorrespondingVersion.sch .....	572
Chapter 13 - Schematron Schema .....	573
13.1 - //ISM_XML.sch .....	574
Chapter 14 - Removed Rules .....	635
14.1 - //Rules/deleted/ISM_ID_00001.sch .....	635
14.2 - //Rules/deleted/ISM_ID_00003.sch .....	635
14.3 - //Rules/deleted/ISM_ID_00004.sch .....	635
14.4 - //Rules/deleted/ISM_ID_00005.sch .....	635
14.5 - //Rules/deleted/ISM_ID_00006.sch .....	635
14.6 - //Rules/deleted/ISM_ID_00007.sch .....	635
14.7 - //Rules/deleted/ISM_ID_00008.sch .....	635
14.8 - //Rules/deleted/ISM_ID_00009.sch .....	636
14.9 - //Rules/deleted/ISM_ID_00010.sch .....	636
14.10 - //Rules/deleted/ISM_ID_00011.sch .....	636
14.11 - //Rules/deleted/ISM_ID_00013.sch .....	636
14.12 - //Rules/deleted/ISM_ID_00015.sch .....	636
14.13 - //Rules/deleted/ISM_ID_00018.sch .....	636
14.14 - //Rules/deleted/ISM_ID_00019.sch .....	636
14.15 - //Rules/deleted/ISM_ID_00020.sch .....	637
14.16 - //Rules/deleted/ISM_ID_00021.sch .....	637
14.17 - //Rules/deleted/ISM_ID_00022.sch .....	637
14.18 - //Rules/deleted/ISM_ID_00023.sch .....	637

14.19 - //Rules/deleted/ISM_ID_00024.sch .....	637
14.20 - //Rules/deleted/ISM_ID_00025.sch .....	637
14.21 - //Rules/deleted/ISM_ID_00026.sch .....	637
14.22 - //Rules/deleted/ISM_ID_00027.sch .....	638
14.23 - //Rules/deleted/ISM_ID_00029.sch .....	638
14.24 - //Rules/deleted/ISM_ID_00034.sch .....	638
14.25 - //Rules/deleted/ISM_ID_00035.sch .....	638
14.26 - //Rules/deleted/ISM_ID_00036.sch .....	638
14.27 - //Rules/deleted/ISM_ID_00039.sch .....	638
14.28 - //Rules/deleted/ISM_ID_00041.sch .....	638
14.29 - //Rules/deleted/ISM_ID_00042.sch .....	639
14.30 - //Rules/deleted/ISM_ID_00046.sch .....	639
14.31 - //Rules/deleted/ISM_ID_00050.sch .....	639
14.32 - //Rules/deleted/ISM_ID_00051.sch .....	639
14.33 - //Rules/deleted/ISM_ID_00052.sch .....	639
14.34 - //Rules/deleted/ISM_ID_00053.sch .....	639
14.35 - //Rules/deleted/ISM_ID_00054.sch .....	639
14.36 - //Rules/deleted/ISM_ID_00055.sch .....	640
14.37 - //Rules/deleted/ISM_ID_00057.sch .....	640
14.38 - //Rules/deleted/ISM_ID_00060.sch .....	640
14.39 - //Rules/deleted/ISM_ID_00061.sch .....	640
14.40 - //Rules/deleted/ISM_ID_00062.sch .....	640
14.41 - //Rules/deleted/ISM_ID_00063.sch .....	640
14.42 - //Rules/deleted/ISM_ID_00069.sch .....	640
14.43 - //Rules/deleted/ISM_ID_00076.sch .....	641
14.44 - //Rules/deleted/ISM_ID_00082.sch .....	641
14.45 - //Rules/deleted/ISM_ID_00083.sch .....	641
14.46 - //Rules/deleted/ISM_ID_00089.sch .....	641
14.47 - //Rules/deleted/ISM_ID_00091.sch .....	641
14.48 - //Rules/deleted/ISM_ID_00092.sch .....	641
14.49 - //Rules/deleted/ISM_ID_00093.sch .....	641
14.50 - //Rules/deleted/ISM_ID_00094.sch .....	642
14.51 - //Rules/deleted/ISM_ID_00095.sch .....	642
14.52 - //Rules/deleted/ISM_ID_00096.sch .....	642
14.53 - //Rules/deleted/ISM_ID_00098.sch .....	642
14.54 - //Rules/deleted/ISM_ID_00100.sch .....	642
14.55 - //Rules/deleted/ISM_ID_00101.sch .....	642
14.56 - //Rules/deleted/ISM_ID_00106.sch .....	642
14.57 - //Rules/deleted/ISM_ID_00111.sch .....	643
14.58 - //Rules/deleted/ISM_ID_00112.sch .....	643
14.59 - //Rules/deleted/ISM_ID_00113.sch .....	643
14.60 - //Rules/deleted/ISM_ID_00114.sch .....	643
14.61 - //Rules/deleted/ISM_ID_00115.sch .....	643
14.62 - //Rules/deleted/ISM_ID_00116.sch .....	643
14.63 - //Rules/deleted/ISM_ID_00117.sch .....	643
14.64 - //Rules/deleted/ISM_ID_00120.sch .....	644
14.65 - //Rules/deleted/ISM_ID_00121.sch .....	644
14.66 - //Rules/deleted/ISM_ID_00122.sch .....	644
14.67 - //Rules/deleted/ISM_ID_00123.sch .....	644

14.68 - //Rules/deleted/ISM_ID_00126.sch .....	644
14.69 - //Rules/deleted/ISM_ID_00131.sch .....	644
14.70 - //Rules/deleted/ISM_ID_00137.sch .....	644
14.71 - //Rules/deleted/ISM_ID_00140.sch .....	645
14.72 - //Rules/deleted/ISM_ID_00144.sch .....	645
14.73 - //Rules/deleted/ISM_ID_00156.sch .....	645
14.74 - //Rules/deleted/ISM_ID_00160.sch .....	645
14.75 - //Rules/deleted/ISM_ID_00167.sch .....	645
14.76 - //Rules/deleted/ISM_ID_00171.sch .....	645
14.77 - //Rules/deleted/ISM_ID_00172.sch .....	645
14.78 - //Rules/deleted/ISM_ID_00177.sch .....	646
14.79 - //Rules/deleted/ISM_ID_00178.sch .....	646
14.80 - //Rules/deleted/ISM_ID_00182.sch .....	646
14.81 - //Rules/deleted/ISM_ID_00186.sch .....	646
14.82 - //Rules/deleted/ISM_ID_00187.sch .....	646
14.83 - //Rules/deleted/ISM_ID_00212.sch .....	646
14.84 - //Rules/deleted/ISM_ID_00215.sch .....	646
14.85 - //Rules/deleted/ISM_ID_00216.sch .....	647
14.86 - //Rules/deleted/ISM_ID_00218.sch .....	647
14.87 - //Rules/deleted/ISM_ID_00220.sch .....	647
14.88 - //Rules/deleted/ISM_ID_00222.sch .....	647
14.89 - //Rules/deleted/ISM_ID_00224.sch .....	647
14.90 - //Rules/deleted/ISM_ID_00232.sch .....	647
14.91 - //Rules/deleted/ISM_ID_00233.sch .....	647
14.92 - //Rules/deleted/ISM_ID_00234.sch .....	648
14.93 - //Rules/deleted/ISM_ID_00235.sch .....	648
14.94 - //Rules/deleted/ISM_ID_00241.sch .....	648
14.95 - //Rules/deleted/ISM_ID_00247.sch .....	648
14.96 - //Rules/deleted/ISM_ID_00249.sch .....	648
14.97 - //Rules/deleted/ISM_ID_00301.sch .....	648
14.98 - //Rules/deleted/ISM_ID_00304.sch .....	648
14.99 - //Rules/deleted/ISM_ID_00305.sch .....	649
14.100 - //Rules/deleted/ISM_ID_00306.sch .....	649
14.101 - //Rules/deleted/ISM_ID_00307.sch .....	649
14.102 - //Rules/deleted/ISM_ID_00308.sch .....	649
14.103 - //Rules/deleted/ISM_ID_00309.sch .....	649
14.104 - //Rules/deleted/ISM_ID_00310.sch .....	649
14.105 - //Rules/deleted/ISM_ID_00311.sch .....	649
14.106 - //Rules/deleted/ISM_ID_00312.sch .....	650
14.107 - //Rules/deleted/ISM_ID_00322.sch .....	650
14.108 - //Rules/deleted/ISM_ID_00329.sch .....	650
14.109 - //Rules/deleted/ISM_ID_00331.sch .....	650
14.110 - //Rules/deleted/ISM_ID_00333.sch .....	650
14.111 - //Rules/deleted/ISM_ID_00334.sch .....	650
14.112 - //Rules/deleted/ISM_ID_00342.sch .....	650
14.113 - //Rules/deleted/ISM_ID_00366.sch .....	651
14.114 - //Rules/deleted/ISM_ID_00390.sch .....	651
14.115 - //Rules/deleted/ISM_ID_00395.sch .....	651

## Chapter 1 - Introduction

### 1.1 - Purpose

This is an informative supplement for ISM. This guide is generated from the ISM Schematron rules and provides a consolidated reference for the business rules of this specification.

### 1.2 - Overview

Chapters 2 through 10 are listings of each Phase defined for ISM. There is a chapter for each Phase listing the rule number and rule description for each rule in the Phase. The rule number is a link to the full code listing for that rule.

Chapter 11 is a listing of all the numbered rules in ISM. For each rule, there is a rule description, a code description, and a code block with the Schematron rule.

Chapter 12 is a listing of abstract patterns used in ISM. The abstract patterns may be used in numbered rules or provided as reference for use in rules developed by users of ISM. Each abstract pattern has a code description and a code block with the abstract Schematron pattern.

Chapter 13 is a listing of the master ISM Schematron file with all of the imports of rules and patterns. Many of the rules and patterns listed in Chapters 3 and 4 rely on functions and variables defined in the master file.

Chapter 14 is a listing of rules that have been deleted.

### 1.3 - Schematron

The business rules for ISM are encoded using ISO Schematron. Schematron is a rule-based validation language that uses XML Path Language to make assertions about an XML document.

ISM uses the XSLT 2.0 implementation of Schematron by Rick Jelliffe (2010-04-14) as its reference implementation. The only available identifying descriptors for this implementation are the implementer's name and date of release. This implementation may be found at the following URL: <http://code.google.com/p/schematron/>.



#### Important

The Schematron rules in this specification use XSLT 2.0 query binding.

### 1.4 - Conformance

This guide is informative. The Schematron rules listed here are normative in the sense that they convey criteria that a document **MUST** adhere to, exactly as English may be used to convey normative criteria. It is not necessary for implementers to use the specific Schematron encoding in this specification. Implementers **MAY** use any encodings, tools, or languages desired to implement validation schemes for conformance to this specification. However, to conform to the specification, validation schemes **MUST** match the behavior of the reference Schematron implementation. That

is, a validator **MUST** find a document valid *if and only if* the reference Schematron implementation would find the document valid according to ISM's Schematron rules.

## Chapter 2 - Schematron Phase STRUCTURECHECK

### Rules in Phase

Schematron Phase STRUCTURECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00419</a>	[Error] ntk:AccessProfile containing the ntk:AccessPolicy [urn:us:gov:ic:aces:ntk:ico] may not have ntk:ProfileDes, ntk:VocabularyType, or ntk:AccessProfileValue elements specified.
<a href="#">ISM-ID-00405</a>	[Error] The Access Profile Value must not have an @ntk:qualifier attribute specified for MN NTK assertions.
<a href="#">ISM-ID-00406</a>	[Error] If Vocabulary Type is specified in an MN NTK assertion, it must specify a version for either the issue (datasphere:mn:issue) or region (datasphere:mn:region) vocabularies.
<a href="#">ISM-ID-00421</a>	[Error] An Agency Dissemination NTK must have one and only one entry qualified as the originator.
<a href="#">ISM-ID-00416</a>	[Error] If ntk:AccessProfileValue or ntk:VocabularyType are specified then there must be a Profile DES that defines the use of the ntk:AccessProfile structure.
<a href="#">ISM-ID-00417</a>	[Error] If there is a Profile DES specified, then there must be at least one ntk:AccessProfileValue.
<a href="#">ISM-ID-00422</a>	[Error] An @ntk:sourceVersion must be specified for the built-in organization:usa-agency vocabulary type.
<a href="#">ISM-ID-00425</a>	[Error] An @ntk:sourceVersion must be specified for the built-in datasphere:mn:issue vocabulary type.
<a href="#">ISM-ID-00426</a>	[Error] An @ntk:sourceVersion must be specified for the built-in datasphere:mn:region vocabulary type.
<a href="#">ISM-ID-00437</a>	[Error] An @ntk:sourceVersion must be specified for the built-in datasphere:license vocabulary type.
<a href="#">ISM-ID-00454</a>	[Error] An @ntk:sourceVersion must be specified for the built-in datasphere:rac vocabulary type.
<a href="#">ISM-ID-00455</a>	[Error] ntk:RequiresAnyOf and ntk:RequiresAllOf must contain ntk:AccessProfileList.
<a href="#">ISM-ID-00408</a>	[Error] Propin NTK assertions that use the urn:us:gov:ic:aces:ntk:propin:2 access policy MUST specify a Profile DES.
<a href="#">ISM-ID-00157</a>	[Error] If ISM_USDOD_RESOURCE and: 1. The attribute notice contains one of the [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], or [DoD-Dist-E] AND 2. The attribute @ism:noticeReason is not specified.

Schematron Phase STRUCTURECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00161</a>	[Error] If the document is an 1. ISM_USDOD_RESOURCE AND 2. the attribute @ism:noticeType of ISM_RESOURCE_ELEMENT contains [DoD-Dist-A] AND 3. no portions in the document have their attribute @ism:excludeFromRollup set to [true] THEN there must not be any attribute @ism:nonICmarkings present.
<a href="#">ISM-ID-00237</a>	[Error] If ISM_USDOD_RESOURCE, any element which specifies attribute @ism:noticeType containing one of the tokens [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F] must also specify attribute @ism:noticeDate.
<a href="#">ISM-ID-00239</a>	[Error] If ISM_USDOD_RESOURCE and attribute @ism:noticeType of ISM_RESOURCE_ELEMENT contains the token [DoD-Dist-A], then any element which contributes to rollup should not have an attribute @ism:disseminationControls present.
<a href="#">ISM-ID-00240</a>	[Error] If ISM_USDOD_RESOURCE and attribute @ism:noticeType of ISM_RESOURCE_ELEMENT contains the token [DoD-Dist-A], then any element which contributes to rollup should not have an attribute @ism:atomicEnergyMarkings present.
<a href="#">ISM-ID-00527</a>	[Warning] All resource elements that contain a DoD @ism:SARIdentifier attribute SHOULD contain attribute @ism:declassException.
<a href="#">ISM-ID-00014</a>	[Error] If ISM_NSI_EO_APPLIES then one or more of the following attributes: @ism:declassDate, @ism:declassEvent, or @ism:declassException must be specified on the ISM_RESOURCE_ELEMENT.
<a href="#">ISM-ID-00016</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification has a value of [U], then attributes @ism:classificationReason, @ism:classifiedBy, @ism:derivativelyClassifiedBy, @ism:declassDate, @ism:declassEvent, @ism:declassException, @ism:derivedFrom, @ism:SARIdentifier, or @ism:SClcontrols must not be specified.
<a href="#">ISM-ID-00017</a>	[Error] If ISM_NSI_EO_APPLIES and attribute @ism:classifiedBy is specified, then attribute @ism:classificationReason must be specified.
<a href="#">ISM-ID-00031</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [REL] or [EYES], then attribute @ism:releasableTo must be specified.
<a href="#">ISM-ID-00032</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls is not specified, or is specified and does not contain the name token [REL] or [EYES], then attribute @ism:releasableTo must not be specified.
<a href="#">ISM-ID-00064</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:FGlsourceOpen containing any value then the ISM_RESOURCE_ELEMENT must have either @ism:FGlsourceOpen or @ism:FGlsourceProtected with a value.

Schematron Phase STRUCTURECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00065</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:FGIsourcesProtected containing any value then the ISM_RESOURCE_ELEMENT must have @ism:FGIsourcesProtected with a value.
<a href="#">ISM-ID-00133</a>	[Error] If ISM_NSI_EO_APPLIES and attribute @ism:declassException is specified and contains the tokens [25X1-EO-12951], [50X1-HUM], [50X2-WMD], [NATO], [AEA] or [NATO-AEA] then attribute @ism:declassDate or @ism:declassEvent must NOT be specified.
<a href="#">ISM-ID-00141</a>	[Error] If ISM_NSI_EO_APPLIES and: 1. ISM_RESOURCE_ELEMENT attribute @ism:declassException does not have a value of [25X1-EO-12951], [50X1-HUM], [50X2-WMD], [AEA], [NATO], or [NATO-AEA] AND 2. ISM_RESOURCE_ELEMENT attribute @ism:declassDate is not specified AND 3. ISM_RESOURCE_ELEMENT attribute @ism:declassEvent is not specified
<a href="#">ISM-ID-00142</a>	[Error] If the Classified National Security Information Executive Order applies to the document, then a classification authority must be specified.
<a href="#">ISM-ID-00143</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:derivativelyClassifiedBy is specified, then attribute @ism:derivedFrom must be specified.
<a href="#">ISM-ID-00168</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls is not specified or is specified and does not contain the name token [DISPLAYONLY], then attribute @ism:displayOnlyTo must not be specified.
<a href="#">ISM-ID-00176</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings has a name token containing [RD] or [FRD], then attributes @ism:declassDate and @ism:declassEvent cannot be specified on the resourceElement.
<a href="#">ISM-ID-00213</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [DISPLAYONLY], then attribute @ism:displayOnlyTo must be specified.
<a href="#">ISM-ID-00221</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:derivativelyClassifiedBy is specified, then attributes @ism:classificationReason or @ism:classifiedBy must not be specified.
<a href="#">ISM-ID-00226</a>	[Error] Attributes @ism:noticeType and @ism:unregisteredNoticeType may not both be used on the same element.
<a href="#">ISM-ID-00250</a>	[Error] If ISM_USGOV_RESOURCE, element ism:Notice must specify attribute @ism:noticeType or @ism:unregisteredNoticeType.
<a href="#">ISM-ID-00299</a>	[Error] If an element contains the attribute @ism:declassException with a value of [AEA], it must also contain the attribute @ism:atomicEnergyMarkings.

Schematron Phase STRUCTURECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00324</a>	[Error] If a document is ISM_USGOV_RESOURCE, it must contain portion markings.
<a href="#">ISM-ID-00326</a>	[Error] ORCON information (i.e. @ism:disseminationControls of the resource node contains [OC]) requires ORCON profile NTK metadata.
<a href="#">ISM-ID-00328</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element in the document that has the attribute @ism:disseminationControls containing [FOUO] AND 2. Has the attribute @ism:classification [U] Then the element can't have any @ism:nonICMarkings.
<a href="#">ISM-ID-00349</a>	[Error] If ISM_USGOV_RESOURCE, PROPIN information (i.e. @ism:disseminationControls of the resource node contains [PR]) requires PROPIN NTK metadata.
<a href="#">ISM-ID-00350</a>	[Error] Exclusive Distribution information (i.e. @ism:nonICmarkings of the resource node contains [XD]) requires XD profile NTK metadata.
<a href="#">ISM-ID-00351</a>	[Error] No Distribution information (i.e. @ism:nonICmarkings of the resource node contains [ND]) requires ND profile NTK metadata.
<a href="#">ISM-ID-00367</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:derivedFrom is specified, then attribute @ism:classifiedBy must not be specified.
<a href="#">ISM-ID-00385</a>	[Error] Attribute @ism:declassEvent requires use of attribute @ism:declassDate.
<a href="#">ISM-ID-00494</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, then if the document contains a PROPIN CUI Category marking (either Basic or Specified), then the document MUST have PROPIN_NTK metadata.
<a href="#">ISM-ID-00495</a>	[Error] If @ism:compliesWith="USA-CUI-ONLY" then attributes @ism:classification and @ism:ownerProducer must not be specified.
<a href="#">ISM-ID-00497</a>	[Error] If a document contains either @ism:cuiBasic or @ism:cuiSpecified, then the document must contain @ism:cuiControlledBy.
<a href="#">ISM-ID-00499</a>	[Error] If a document has @ism:complieswith="USA-CUI" or "USA-CUI-ONLY", then it must contain @ism:cuiControlledBy.
<a href="#">ISM-ID-00512</a>	[Error] If ISM_USGOV_RESOURCE or ISM_USCUIONLY_RESOURCE, and attribute @ism:secondBannerLine contains the name token [HVCO], then attribute @ism:handleViaChannels must be specified.
<a href="#">ISM-ID-00513</a>	[Error] If ISM_USGOV_RESOURCE or ISM_USCUIONLY_RESOURCE, and attribute @ism:handleViaChannels is specified, then @ism:secondBannerLine MUST contain the name token [HVCO].
<a href="#">ISM-ID-00518</a>	[Error] For ism:Notice or ism:NoticeExternal, if @ism:noticeProseID is present then ism:NoticeText is prohibited.

Schematron Phase STRUCTURECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00519</a>	[Error] For ism:Notice or ism:NoticeExternal, if @ism:noticeProseID is absent then ism:NoticeText is required.
<a href="#">ISM-ID-00522</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:highWaterNATO attribute exists on a banner or portion, then @ism:FGIsourceOpen contains [NATO] or @ism:ownerProducer contains [NATO] or @ism:FGIsourceProtected contains [FGI].
<a href="#">ISM-ID-00523</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:FGIsourceOpen attribute contains [NATO] on a banner or portion, then a requirement exists that @ism:highWaterNATO also exists, otherwise the NATO data classification cannot be determined.
<a href="#">ISM-ID-00524</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:highWaterNATO attribute exists on a banner or portion, then @ism:ownerProducer cannot be equal to 'NATO'.
<a href="#">ISM-ID-00525</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:highWaterNATO attribute exists on a banner or portion, then @ism:highWaterNATO cannot be higher than @ism:classification.
<a href="#">ISM-ID-00526</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:ownerProducer attribute contains multiple values on a banner or portion, one being NATO, then a requirement exists that @ism:highWaterNATO also exists, otherwise the NATO data classification cannot be determined.
<a href="#">ISM-ID-00529</a>	[Error] All tokens in the @ism:SARIdentifier attribute MUST conform to the regex <code>^SAR-[A-Z]{3,}:(C S TS):{0,1}[A-Za-z0-9._-]{1,}\$</code> .
<a href="#">ISM-ID-00531</a>	[Error] All resource elements with SAR markings that contain @ism:compliesWith="USGov USDOD USIC" MUST contain only one token in @ism:SARIdentifier.
<a href="#">ISM-ID-00532</a>	[Error] For all elements with @ism:SARIdentifier with tokens that include classification portion marks (e.g., DOD:TS:aaaa or DOD:C:bbbb), the value of the classification portion mark cannot be higher than @ism:classification on the same element.
<a href="#">ISM-ID-00533</a>	[Error] All resource elements with three or more @ism:SARIdentifier tokens will result in an error when @ism:compliesWith are both DoD and IC.
<a href="#">ISM-ID-00534</a>	[Error] All elements with @ism:SARIdentifier token(s) containing a dash (-) (excluding the SAR- prefix) will result in an error when @ism:compliesWith are both DoD and IC. DoD and IC rules differ on how to render SAP markings containing dashes; therefore, it is not allowed to have SAPs with dashes in a document that complies with both DoD and IC rules.
<a href="#">ISM-ID-00535</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [WAIVED], then attribute @ism:compliesWith must contain [USDOD].

Schematron Phase STRUCTURECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00476</a>	[Error] If @ism:compliesWith="USA-CUI-ONLY" then attributes @ism:SClcontrols, @ism:SARIdentifier, @ism:atomicEnergyMarkings, @ism:FGlsourceOpen and @ism:FGlsourceProtected must not be specified.
<a href="#">ISM-ID-00486</a>	[Error] If ISM_USCUIONLY_RESOURCE or ISM_USCUI_RESOURCE then attribute @ism:nonICmarkings must not be specified.
<a href="#">ISM-ID-00449</a>	[Error] The ARH elements cannot be used as root elements.
<a href="#">ISM-ID-00450</a>	[Warning] @arh:DESVersion is a DEPRECATED attribute.
<a href="#">ISM-ID-00452</a>	[Warning] @ntk:DESVersion is a DEPRECATED attribute.
<a href="#">ISM-ID-00510</a>	[Error] arh:Security element must contain @ism:resourceElement attribute.
<a href="#">ISM-ID-00012</a>	[Error] If the document is not USA-CUI-ONLY, AND: 1. any of the attributes defined in this DES other than @ism:DESVersion, @ism:ISMCATCESVersion, @ism:unregisteredNoticeType, or @ism:pocType are specified for an element, OR 2. the current node is one of elements arh:Security, arh:ExternalSecurity, ntk:Access or ntk:AccessProfile, then attributes @ism:classification and @ism:ownerProducer must be specified for the element.
<a href="#">ISM-ID-00102</a>	[Error] The attribute @ism:DESVersion in the namespace urn:us:gov:ic:ism must be specified.
<a href="#">ISM-ID-00118</a>	[Error] The first element in document order having @ism:resourceElement specified with a value of [true] must have @ism:createDate specified.
<a href="#">ISM-ID-00337</a>	[Error] The first element in document order having @ism:resourceElement specified with a value of [true] must have @ism:compliesWith specified.

## Chapter 3 - Schematron Phase VALUECHECK

### Rules in Phase

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00403</a>	[Error] Mission Need NTK assertions must use the “datasphere” profile DES.
<a href="#">ISM-ID-00404</a>	[Error] The Access Profile Value for MN NTK assertions must use the appropriate subject or region vocabulary.
<a href="#">ISM-ID-00406</a>	[Error] If Vocabulary Type is specified in an MN NTK assertion, it must specify a version for either the issue (datasphere:mn:issue) or region (datasphere:mn:region) vocabularies.
<a href="#">ISM-ID-00423</a>	[Error] datasphere:mn:issue vocabulary values must exist in the Mission Need Issue CVE.
<a href="#">ISM-ID-00424</a>	[Error] datasphere:mn:region vocabulary values must exist in the Mission Need Region CVE.
<a href="#">ISM-ID-00439</a>	[Error] When both issues (datasphere:mn:issue) and regions (datasphere:mn:region) are specified for in a Mission Need NTK instance, the version of the list specified for both must be the same.
<a href="#">ISM-ID-00456</a>	[Error] datasphere:rac vocabulary values must exist in the Restricted Authority Category CVE.
<a href="#">ISM-ID-00458</a>	[Error] Restricted Authority Category NTK assertions must use the “datasphere” profile DES.
<a href="#">ISM-ID-00428</a>	[Error] The @ntk:qualifier attribute value of either ‘originator’ or ‘dissemto’ is required on every ntk:AccessProfileValue element for NTK Access Profiles based on the Agency Dissemination profile DES.
<a href="#">ISM-ID-00414</a>	[Error] Datasphere Profile NTK assertions must use ‘datasphere’ as the prefix for vocabulary names.
<a href="#">ISM-ID-00415</a>	[Error] Datasphere Profile NTK assertions must use ‘datasphere’ vocabularies for access profile values.
<a href="#">ISM-ID-00401</a>	[Error] EXDIS profiles requires ntk:ProfileDes with type agencydissem (urn:us:gov:ic:ntk:profile:agencydissem).
<a href="#">ISM-ID-00433</a>	[Error] EXDIS requires the USA-Agency vocabulary (organization:usa-agency).
<a href="#">ISM-ID-00399</a>	[Error] If a profile DES URN begins with ‘urn:us:gov:ic:ntk:’, the value must exist in the list of allowed values.
<a href="#">ISM-ID-00400</a>	[Error] The attribute @ntk:externalReference must be set to [true] when ntk:ExternalAccess element is used.
<a href="#">ISM-ID-00411</a>	[Error] Vocabulary declarations must have a root from one of the built-in types of ‘datasphere’, ‘organization’, ‘individual’, ‘group’, or ‘role’. Declaration of custom root types are not permitted.

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00412</a>	[Error] ntk:VocabularyType must have a source unless being derived from an existing built-in type.
<a href="#">ISM-ID-00413</a>	[Error] All vocabularies used must be of a built-in vocabulary type or be defined in this ntk:AccessProfile in an ntk:VocabularyType.
<a href="#">ISM-ID-00418</a>	[Error] Sources cannot be overridden. If a built-in vocabulary type is specified and the source attribute is present, it must equal the built-in source.
<a href="#">ISM-ID-00420</a>	[Error] organization:usa-agency vocabulary values must exist in the USAgency CVE.
<a href="#">ISM-ID-00434</a>	[Error] Source versions (@ntk:sourceVersion) must be consistent for all NTK Profiles within a document that contribute to the actual overall access restrictions of the document.
<a href="#">ISM-ID-00435</a>	[Error] If an access policy URN begins with 'urn:us.gov:ic:aces:ntk', the value must exist in the list of allowed values.
<a href="#">ISM-ID-00436</a>	[Warning] The source version (@ntk:sourceVersion) must match the version of the CVE being used to validate values of the NTK instance.
<a href="#">ISM-ID-00438</a>	[Error] If an ntk:AccessProfileValue with @ntk:vocabulary of [datasphere:license] is specified, then the value must exist in the LIC.CES License CVE (CVEnumLicLicense.xml).
<a href="#">ISM-ID-00440</a>	[Error] ntk:AccessPolicy, ntk:ProfileDes, and ntk:AccessProfileValue are required to have text content.
<a href="#">ISM-ID-00457</a>	[Error] Every attribute in the NTK namespace must be specified with a non-whitespace value.
<a href="#">ISM-ID-00509</a>	[Error] ntk:AccessProfileValue with vocabulary role:enterpriseRole must exist in the list of allowed EnterpriseRole values.
<a href="#">ISM-ID-00409</a>	[Error] Grp-ind Profile NTK assertions must use appropriate 'group' and 'individual' vocabularies for vocabulary type definitions.
<a href="#">ISM-ID-00410</a>	[Error] Grp-ind Profile NTK assertions must use appropriate 'group' and 'individual' vocabularies for access profile values.
<a href="#">ISM-ID-00493</a>	[Error] If a document contains the CUI dissemination marking [DL_ONLY], it must contain an ntk:ProfileDes element with type 'grp-ind'.
<a href="#">ISM-ID-00402</a>	[Error] ORCON profiles requires ntk:ProfileDes with type agencydissem (urn:us.gov:ic:ntk:profile:agencydissem).
<a href="#">ISM-ID-00432</a>	[Error] ORCON requires the USA-Agency vocabulary (organization:usa-agency).
<a href="#">ISM-ID-00427</a>	[Error] Use of the permissive access policy requires the Group and Individual Profile DES.
<a href="#">ISM-ID-00477</a>	[Error] Use of the Enterprise Role Permissive access policy requires the ROLE Profile DES.

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00508</a>	[Error] Use of the Enterprise Role Permissive access policy requires an Enterprise Role vocabulary type.
<a href="#">ISM-ID-00407</a>	[Error] For group-based PROPIN NTK assertions that contain ntk:ProfileDes elements, ntk:ProfileDes must specify the URN for Profile DES type: 'grp-ind'.
<a href="#">ISM-ID-00429</a>	[Error] PROPIN access policies must have characters after the predefined portion 'urn:us:gov:ic:aces:ntk:propin:'.
<a href="#">ISM-ID-00489</a>	[Error] Use of the Enterprise Role Restrictive access policy requires the ROLE Profile DES.
<a href="#">ISM-ID-00490</a>	[Error] Use of the Enterprise Role Restrictive access policy requires an Enterprise Role vocabulary type.
<a href="#">ISM-ID-00430</a>	[Error] Use of the restrictive access policy requires the Group and Individual Profile DES.
<a href="#">ISM-ID-00431</a>	[Error] Use of the restrictive access policy requires a Group vocabulary type.
<a href="#">ISM-ID-00155</a>	[Error] If ISM_USDOD_RESOURCE and 1. not ISM_DOD_DISTRO_EXEMPT AND 2. Attribute @ism:noticeType of ISM_RESOURCE_ELEMENT does not contain one of [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F]
<a href="#">ISM-ID-00158</a>	[Error] If ISM_USDOD_RESOURCE and: 1. not ISM_DOD_DISTRO_EXEMPT AND 2. attribute @ism:classification of ISM_RESOURCE_ELEMENT is not [U] AND 3. A resource attribute @ism:noticeType does not contain one of [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F].
<a href="#">ISM-ID-00162</a>	[Error] If ISM_USDOD_RESOURCE and 1. not ISM_DOD_DISTRO_EXEMPT AND 2. attribute @ism:noticeType of ISM_RESOURCE_ELEMENT contains more than one of [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F]
<a href="#">ISM-ID-00227</a>	[Error] Attribute @ism:noticeType may only appear on the resource node when it contains the values [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], [DoD-Dist-F], or [ITAR-EAR].
<a href="#">ISM-ID-00238</a>	[Error] If ISM_USDOD_RESOURCE, if any element specifies attribute @ism:noticeType containing one of the tokens [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F] then an element in the document must specify attribute @ism:pocType with the same value as attribute @ism:noticeType.
<a href="#">ISM-ID-00028</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [OC] or [EYES], then attribute @ism:classification must have a value of [TS], [S], or [C].

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00030</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [FOUO], then attribute @ism:classification must have a value of [U].
<a href="#">ISM-ID-00033</a>	[Error] If ISM_USGOV_RESOURCE, then tokens [REL], [EYES] and [NF] are mutually exclusive for attribute @ism:disseminationControls.
<a href="#">ISM-ID-00037</a>	[Error] When ISM_USGOV_RESOURCE and @ism:nonICmarkings contains [SBU] or [SBU-NF] then @ism:classification must equal [U].
<a href="#">ISM-ID-00038</a>	[Error] If ISM_USGOV_RESOURCE, then the tokens [XD], [ND], [SBU], and [SBU-NF] are mutually exclusive for attribute @ism:nonICmarkings.
<a href="#">ISM-ID-00040</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:ownerProducer contains [USA] then attribute @ism:classification must have a value in CVEnumISMClassificationUS.xml.
<a href="#">ISM-ID-00043</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [SI], then attribute @ism:classification must have a value of [TS], [S], or [C].
<a href="#">ISM-ID-00044</a>	[Error] If the document is an ISM_USGOV_RESOURCE and the attribute @ism:SClcontrols contain a name token with [SI-G], then the attribute @ism:classification must have a value of [TS].
<a href="#">ISM-ID-00045</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains a name token starting with [SI-G], then attribute @ism:disseminationControls must contain the name token [OC].
<a href="#">ISM-ID-00047</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [TK], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00048</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [HCS], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00049</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [HCS], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00056</a>	[Error] If the document is an ISM_USGOV_RESOURCE and attribute @ism:classification of ISM_RESOURCE_ELEMENT has a value of [U] then no element meeting ISM_CONTRIBUTES in the document may have a @ism:classification attribute of [C], [S], [TS], or [R].
<a href="#">ISM-ID-00058</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification of ISM_RESOURCE_ELEMENT has a value of [C] then no element meeting ISM_CONTRIBUTES_USA in the document may have a @ism:classification attribute of [S] or [TS].

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00059</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification of ISM_RESOURCE_ELEMENT has a value of [S] then no element meeting ISM_CONTRIBUTES_USA in the document may have a @ism:classification attribute of [TS].
<a href="#">ISM-ID-00066</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [FOUO] AND 2. ISM_RESOURCE_ELEMENT has the attribute @ism:classification [U] AND 3. No element meeting ISM_CONTRIBUTES in the document has @ism:nonICmarkings AND 4. Elements meeting ISM_CONTRIBUTES only contain dissemination controls [REL], [RELIDO],[NF], [DISPLAYONLY], [EYES], and [FOUO]. Then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [FOUO].
<a href="#">ISM-ID-00067</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [OC] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [OC].
<a href="#">ISM-ID-00068</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [IMC] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [IMC].
<a href="#">ISM-ID-00070</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [NF] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [NF].
<a href="#">ISM-ID-00071</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [PR] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [PR].
<a href="#">ISM-ID-00072</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:atomicEnergyMarkings containing [RD] then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [RD].

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00073</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:atomicEnergyMarkings containing [RD-CNWDI] then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [RD-CNWDI].
<a href="#">ISM-ID-00074</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [RD-SG-##] then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [RD-SG-##]. ## represent digits 1 through 99 the ## must match.
<a href="#">ISM-ID-00075</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document having the attribute @ism:atomicEnergyMarkings containing [FRD] and no elements meeting ISM_CONTRIBUTES having the attribute @ism:atomicEnergyMarkings containing [RD], then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [FRD].
<a href="#">ISM-ID-00077</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [FRD-SG-##] and the ISM_RESOURCE_ELEMENT does not have @ism:atomicEnergyMarkings containing [RD], then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [FRD-SG-##]. ## represent digits 1 through 99 the ## must match.
<a href="#">ISM-ID-00078</a>	[Error] If ISM_USGOV_RESOURCE and the ISM_RESOURCE_ELEMENT node's classification has the value of [U] and any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [DCNI] then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [DCNI].
<a href="#">ISM-ID-00079</a>	[Error] If ISM_USGOV_RESOURCE and ISM_RESOURCE_ELEMENT element's classification has the value of [U] and any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [UCNI] then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [UCNI].
<a href="#">ISM-ID-00080</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [DSEN] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [DSEN].

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00081</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [FISA] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [FISA].
<a href="#">ISM-ID-00084</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:nonICmarkings containing [DS] then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [DS].
<a href="#">ISM-ID-00085</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [XD] and does not have any element meeting ISM_CONTRIBUTES in the document having the attribute @ism:nonICmarkings containing [ND] then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [XD].
<a href="#">ISM-ID-00086</a>	[Error] If ISM_USGOV_RESOURCE and any element in the document: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:nonICmarkings containing [ND] Then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [ND].
<a href="#">ISM-ID-00087</a>	[Error] Classified USA documents having SBU-NF Data must have NF at the resource level.
<a href="#">ISM-ID-00088</a>	[Error] If ISM_USGOV_RESOURCE and @ism:releasableTo is specified on the resource element then all classified portions must specify @ism:releasableTo and all Unclass portions must be REL or contain no caveats.
<a href="#">ISM-ID-00090</a>	[Error] If ISM_USGOV_RESOURCE and any element: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:disseminationControls containing [REL] Then the ISM_RESOURCE_ELEMENT must not have attribute @ism:disseminationControls containing [EYES].
<a href="#">ISM-ID-00097</a>	[Warning] If ISM_USGOV_RESOURCE and attribute @ism:FGIsourceProtected is specified with a value other than [FGI] then the value(s) must not be discoverable in IC shared spaces.
<a href="#">ISM-ID-00099</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:ownerProducer contains the token [FGI], then the token [FGI] must be the only value in attribute @ism:ownerProducer.

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00104</a>	[Error] If the document is an ISM_USGOV_RESOURCE and any element in the document is: 1. Unclassified and meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:nonICmarkings containing [SBU-NF] AND 3. The ISM_RESOURCE_ELEMENT has attribute @ism:nonICmarkings does not contain [XD] or [ND] AND 4. The ISM_RESOURCE_ELEMENT has attribute @ism:disseminationControls does not contain [NF] Then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [SBU-NF].
<a href="#">ISM-ID-00105</a>	[Error] If the document is an ISM_USGOV_RESOURCE and any element in the document is: 1. Unclassified and meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:nonICmarkings containing [SBU] AND 3. No element meeting ISM_CONTRIBUTES in the document has @ism:nonICmarkings containing any of [SBU-NF], [XD], or [ND] Then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [SBU].
<a href="#">ISM-ID-00107</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [IMC] then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00108</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification of ISM_RESOURCE_ELEMENT has a value of [TS] and attribute @ism:compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:classification attribute of [TS].
<a href="#">ISM-ID-00109</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification of ISM_RESOURCE_ELEMENT has a value of [S] and attribute @ism:compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:classification attribute of [S].
<a href="#">ISM-ID-00110</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification of ISM_RESOURCE_ELEMENT has a value of [C] and attribute @ism:compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a classification attribute of [C].
<a href="#">ISM-ID-00124</a>	[Warning] If ISM_USGOV_RESOURCE and 1. Attribute @ism:ownerProducer does not contain [USA]. AND 2. Attribute @ism:disseminationControls contains [RELIDO]
<a href="#">ISM-ID-00127</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [RD] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [RD] and does not have attribute @ism:externalNotice with a value of [true].

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00128</a>	[Error] USA documents containing FRD data must have a non-external FRD notice unless the document contains RD in the banner.
<a href="#">ISM-ID-00129</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [IMC] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [IMC, IMCON_RSEN] and does not have attribute @ism:externalNotice with a value of [true]
<a href="#">ISM-ID-00130</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [FISA] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [FISA] and does not have attribute @ism:externalNotice with a value of [true]
<a href="#">ISM-ID-00132</a>	[Error] If ISM_USGOV_RESOURCE and the ISM_RESOURCE_ELEMENT has the attribute @ism:disseminationControls containing [RELIDO] then every element meeting ISM_CONTRIBUTES_CLASSIFIED in the document must have the attribute @ism:disseminationControls containing [RELIDO].
<a href="#">ISM-ID-00134</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [DS] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [DS] and does not have attribute @ism:externalNotice with a value of [true]
<a href="#">ISM-ID-00135</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [RD] AND 2. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [RD] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00136</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:atomicEnergyMarkings containing [FRD] AND 2. Any element without ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [FRD] and does not specify attribute @ism:externalNotice with a value of [true].

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00138</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute nonICmarkings containing [DS] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute noticeType containing [DS] and does not specify attribute @ism:externalNotice with a value of [true]. AND 3. \$ISM_RESOURCE_ELEMENT is unclassified.
<a href="#">ISM-ID-00139</a>	[Error] If ISM_USGOV_RESOURCE, and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @disseminationControls containing [FISA] OR the attribute @ism:cuiSpecified containing [FISA] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute noticeType containing [FISA] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00145</a>	[Error] If ISM_USGOV_RESOURCE and any element in the document: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:nonICmarkings containing [LES] AND 3. No element meeting ISM_CONTRIBUTES in the document has @ism:nonICmarkings containing any of [LES-NF] Then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [LES].
<a href="#">ISM-ID-00146</a>	[Error] If ISM_USGOV_RESOURCE and there exist at least 2 elements in the document: 1. Each element: Meets ISM_CONTRIBUTES AND 2. One of the elements: Has the attribute @ism:nonICmarkings containing [LES-NF] AND 3. One of the elements: meets ISM_CONTRIBUTES_CLASSIFIED Then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [NF].
<a href="#">ISM-ID-00147</a>	[Error] If ISM_USGOV_RESOURCE and there exist at least 2 elements in the document: 1. Each element: Meets ISM_CONTRIBUTES AND 2. One of the elements: Has the attribute @ism:nonICmarkings containing [LES-NF] AND 3. One of the elements: meets ISM_CONTRIBUTES_CLASSIFIED Then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [LES].
<a href="#">ISM-ID-00148</a>	[Error] If ISM_USGOV_RESOURCE, then Name tokens [LES] and [LES-NF] are mutually exclusive for attribute @ism:nonICmarkings.
<a href="#">ISM-ID-00149</a>	[Error] If the document is an ISM_USGOV_RESOURCE and: 1. Any element in the document meets ISM_CONTRIBUTES in the document has the attribute @ism:nonICmarkings contain [LES-NF] AND 2. ISM_RESOURCE_ELEMENT has the attribute @ism:classification [U] AND 3. ISM_RESOURCE_ELEMENT does not have the attribute @ism:disseminationControls [NF] THEN the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [LES-NF]

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00150</a>	[Error] If (ISM_USGOV_RESOURCE or ISM_USCUIONLY_RESOURCE) and: 1. Any element, other than ISM_RESOURCE_ELEMENT, meeting ISM_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [LES] or the attribute @ism:cuiBasic containing [LEI] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [LES]
<a href="#">ISM-ID-00151</a>	[Warning] If ISM_USGOV_RESOURCE or ISM_USCUIONLY_RESOURCE, and: 1. No element without @ism:excludeFromRollup=true() in the document has either the attribute @ism:nonICmarkings containing [LES] or the attribute @ism:cuiBasic containing [LEI] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [LES] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00152</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [LES-NF] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [LES-NF] and does not have attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00153</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:nonICmarkings containing [LES-NF] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [LES-NF]. and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00154</a>	[Error] If ISM_USGOV_RESOURCE and 1. Attribute @ism:disseminationControls of ISM_RESOURCE_ELEMENT contains [FOUO] AND 2. Attribute @ism:compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:disseminationControls attribute contain [FOUO].
<a href="#">ISM-ID-00159</a>	[Error] If ISM_USGOV_RESOURCE and: 1. attribute @ism:classification of ISM_RESOURCE_ELEMENT is not [U] AND 2. The attribute @ism:noticeType does contain [DoD-Dist-A] or has attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00164</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [RS], then attribute @ism:classification must have a value of [TS] or [S].

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00165</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [RS] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [RS].
<a href="#">ISM-ID-00166</a>	[Warning] Attribute @ism:classification should not contain any value which will be deprecated.
<a href="#">ISM-ID-00169</a>	[Error] If ISM_USGOV_RESOURCE, then for attribute @ism:disseminationControls the name tokens [DISPLAYONLY], [RELIDO] and [NF] are mutually exclusive.
<a href="#">ISM-ID-00170</a>	[Error] Attribute @ism:classification must not contain any values which have passed their deprecation date.
<a href="#">ISM-ID-00173</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains a name token starting with [RD-SG] or [FRD-SG], then attribute @ism:classification must have a value of [S] or [TS].
<a href="#">ISM-ID-00174</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains the name token [RD], [FRD], or [TFNI], then attribute @ism:classification must have a value of [TS], [S], or [C].
<a href="#">ISM-ID-00175</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains the name token [RD-CNWDI], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00179</a>	[Warning] Attribute @ism:disseminationControls should not contain any values which will be deprecated.
<a href="#">ISM-ID-00180</a>	[Error] Attribute @ism:disseminationControls must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00181</a>	[Error] If ISM_USGOV_RESOURCE and element's classification does not have a value of "U" then attribute @ism:atomicEnergyMarkings must not contain the name token [UCNI] or [DCNI].
<a href="#">ISM-ID-00183</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains a name token starting with [RD-SG], then it must also contain the name token [RD].
<a href="#">ISM-ID-00184</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains a name token starting with [FRD-SG], then it must also contain the name token [FRD].
<a href="#">ISM-ID-00188</a>	[Warning] Attribute @ism:FGIsourceOpen should not contain any value which will be deprecated.
<a href="#">ISM-ID-00189</a>	[Error] Attribute @ism:FGIsourceOpen must not contain values that have passed their deprecation date.

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00190</a>	[Warning] Attribute @ism:FGIsourceProtected should not contain any values which will be deprecated.
<a href="#">ISM-ID-00191</a>	[Error] Attribute @ism:FGIsourceProtected must not contain any values which have passed their deprecation date.
<a href="#">ISM-ID-00192</a>	[Warning] Attribute @ism:nonICmarkings should not contain any values which will be deprecated.
<a href="#">ISM-ID-00193</a>	[Error] Attribute @ism:nonICmarkings must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00196</a>	[Warning] Attribute @ism:ownerProducer should not contain any values which will be deprecated.
<a href="#">ISM-ID-00197</a>	[Error] Attribute @ism:ownerProducer must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00198</a>	[Warning] Attribute @ism:releasableTo should not contain any values which will be deprecated.
<a href="#">ISM-ID-00199</a>	[Error] Attribute @ism:releasableTo must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00200</a>	[Warning] Attribute @ism:displayOnlyTo should not contain any values which will be deprecated.
<a href="#">ISM-ID-00201</a>	[Error] Attribute @ism:displayOnlyTo must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00202</a>	[Warning] Attribute @ism:SARIdentifier should not contain any values which will be deprecated.
<a href="#">ISM-ID-00203</a>	[Error] Attribute @ism:SARIdentifier must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00204</a>	[Warning] Attribute @ism:SCIcontrols should not contain any values which will be deprecated.
<a href="#">ISM-ID-00205</a>	[Error] Attribute @ism:SCIcontrols must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00206</a>	[Warning] Attribute @ism:declassException should not contain any values which will be deprecated.
<a href="#">ISM-ID-00207</a>	[Error] Attribute @ism:declassException must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00208</a>	[Warning] Attribute @ism:atomicEnergyMarkings should not contain any values which will be deprecated.
<a href="#">ISM-ID-00209</a>	[Error] Attribute @ism:atomicEnergyMarkings must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00210</a>	[Warning] Attribute @ism:nonUSControls should not contain any values which will be deprecated.

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00211</a>	[Error] Attribute @ism:nonUSControls must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00214</a>	[Error] If ISM_USGOV_RESOURCE then attribute @ism:releasableTo must start with [USA].
<a href="#">ISM-ID-00217</a>	[Error] If ISM_USGOV_RESOURCE attribute @ism:FGIsourceProtected contains [FGI], it must be the only value.
<a href="#">ISM-ID-00219</a>	[Error] If element meets ISM_CONTRIBUTES and attribute @ism:ownerProducer contains the token [FGI], then attribute @ism:FGIsourceProtected must have a value containing the token [FGI].
<a href="#">ISM-ID-00223</a>	[Error] If any elements in namespace urn:us:gov:ic:ism exist, the local name must exist in CVEnumISMElements.xml.
<a href="#">ISM-ID-00228</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [FRD] then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:atomicEnergyMarking attribute containing [FRD].
<a href="#">ISM-ID-00229</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [RD] then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:atomicEnergyMarking attribute containing [RD].
<a href="#">ISM-ID-00230</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [FRD-SG-##] then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:atomicEnergyMarking attribute containing the same [FRD-SG-##].
<a href="#">ISM-ID-00231</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [RD-SG-##] then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:atomicEnergyMarking attribute containing the same [RD-SG-##].
<a href="#">ISM-ID-00242</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [RSV], then it must also have attribute @ism:classification with a value of [S] or [TS].
<a href="#">ISM-ID-00243</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [RSV], then it must also contain a compartment [RSV-XXX].

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00244</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [RD-CNWDI] AND 2. No element meeting ISM_CONTRIBUTES in the document has @ism:noticeType containing [CNWDI]. that does not have attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00245</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:atomicEnergyMarkings containing [RD-CNWDI] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [CNWDI] and not the attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00246</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [RD], [FRD], or [TFNI] then the ISM_RESOURCE_ELEMENT must have a @ism:declassException of [AEA] or [NATO-AEA].
<a href="#">ISM-ID-00252</a>	[Error] If ISM_RESOURCE_ELEMENT specifies the attribute @ism:disseminationControls with a value containing the token [RELIDO], then attribute @ism:nonICmarkings must not be specified with a value containing the token [NNPI].
<a href="#">ISM-ID-00253</a>	[Error] All @ism:atomicEnergyMarkings values must be defined in CVEnumISMAAtomicEnergyMarkings.xml.
<a href="#">ISM-ID-00254</a>	[Error] All @ism:classification values must be a defined in CVEnum-ISMClassificationAll.xml.
<a href="#">ISM-ID-00255</a>	[Error] All @ism:exemptFrom values must be defined in CVEnum-ISMExemptFrom.xml.
<a href="#">ISM-ID-00256</a>	[Error] All @ism:declassException values must be defined in CVEnum-ISM25X.xml.
<a href="#">ISM-ID-00257</a>	[Error] All @ism:displayOnlyTo values must be defined in CVEnum-ISMRelTo.xml.
<a href="#">ISM-ID-00258</a>	[Error] All @ism:disseminationControls values must be a defined in CVEnumISMDissem.xml.
<a href="#">ISM-ID-00259</a>	[Error] All @ism:FGIsourcesOpen values must be defined in CVEnum-ISMFCATFGIOpen.xml.
<a href="#">ISM-ID-00260</a>	[Error] All @ism:FGIsourcesProtected values must be defined in CVEnumISMFCATFGIProtected.xml.
<a href="#">ISM-ID-00261</a>	[Error] All @ism:nonICmarkings values that contributes to rollup must be defined in CVEnumISMNonIC.xml. All non-ACCM @ism:nonICmarkings values that do not contribute to rollup must be defined in CVEnum-ISMNonIC.xml.

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00262</a>	[Error] Any @ism:nonUSControls values must be defined in CVEnum-ISMNonUSControls.xml.
<a href="#">ISM-ID-00263</a>	[Error] Any @ism:ownerProducer values must be defined in CVEnum-ISMCATOwnerProducer.xml.
<a href="#">ISM-ID-00264</a>	[Error] Any @ism:pocType values must be defined in CVEnumISMPoc-Type.xml.
<a href="#">ISM-ID-00265</a>	[Error] Any @ism:releasableTo must be a value in CVEnum-ISMRelTo.xml.
<a href="#">ISM-ID-00266</a>	[Error] Any @ism:SARIdentifier values that contributes to rollup must be defined in CVEnumISMSAR.xml.
<a href="#">ISM-ID-00267</a>	[Error] All @ism:SCIcontrols values that contributes to rollup must be defined in CVEnumISMSCIControls.xml
<a href="#">ISM-ID-00298</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document specifies attribute @ism:atomicEnergyMarkings with a value containing [TFNI] and no elements meeting ISM_CONTRIBUTES having the attribute @ism:atomicEnergyMarkings containing [RD] or [FRD], then the ISM_RESOURCE_ELEMENT must specify attribute @ism:atomicEnergyMarkings with a value containing [TFNI].
<a href="#">ISM-ID-00302</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [OC-USGOV], then name token [OC] must be specified.
<a href="#">ISM-ID-00303</a>	[Error] If ISM_USGOV_RESOURCE and the document contains attribute @ism:disseminationControls with name token [OC-USGOV] in the banner, then all [OC] portions must also contain [OC-USGOV].
<a href="#">ISM-ID-00313</a>	[Error] If @ism:nonICmarkings contains the token [ND] then the attribute @ism:disseminationControls must contain [NF].
<a href="#">ISM-ID-00314</a>	[Error] If @ism:nonICmarkings contains the token [XD] then the attribute @ism:disseminationControls must contain [NF].
<a href="#">ISM-ID-00315</a>	[Error] If classified element meets ISM_CONTRIBUTES and attribute @ism:ownerProducer contains the token [NATO], then attribute @ism:declassException must be specified with a value of [NATO] or [NATO-AEA] on the resourceElement.
<a href="#">ISM-ID-00316</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:declassException of ISM_RESOURCE_ELEMENT contains [NATO] then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:ownerProducer attribute containing [NATO] or the resource level attribute @ism:FGISourceOpen must contain [NATO].

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00317</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:declassExemption of ISM_RESOURCE_ELEMENT contains [NATO-AEA] then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:ownerProducer attribute containing [NATO] and one portion containing @ism:atomicEnergyMarkings.
<a href="#">ISM-ID-00318</a>	[Error] Rollup compilation does not meet CAPCO guidance.
<a href="#">ISM-ID-00319</a>	[Error] If ISM_USGOV_RESOURCE and @ism:ownerProducer contains 'USA' and attribute @ism:releasableTo is specified, then @ism:releasableTo must contain more than a single token.
<a href="#">ISM-ID-00320</a>	[Error] If the ISM_RESOURCE_ELEMENT has the @ism:displayOnlyTo attribute specified, then the countries specified in the @ism:displayOnlyTo attribute MUST be the set of the common countries specified across all contributing portions UNLESS a compilation reason is specified in which case a subset of the common country set may be used.
<a href="#">ISM-ID-00321</a>	[Error] If ISM_USGOV_RESOURCE, then tokens [RD], [FRD] and [TFNI] are mutually exclusive for attribute @ism:atomicEnergyMarkings.
<a href="#">ISM-ID-00325</a>	[Error] If ISM_USGOV_RESOURCE, then tokens [OC] and [RELIDO] are mutually exclusive for attribute @ism:disseminationControls.
<a href="#">ISM-ID-00327</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element in the document that has the attribute @ism:disseminationControls containing [FOUO] AND 2. Has the attribute @ism:classification [U] Then the element can only have the @ism:disseminationControls containing [REL], [RELIDO], [NF], [DISPLAYONLY], and [EYES].
<a href="#">ISM-ID-00330</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS-P], then attribute @ism:classification must have a value of [TS], or [S].
<a href="#">ISM-ID-00332</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS-O], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00335</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS-O], then attribute @ism:disseminationControls must contain the name token [OC].
<a href="#">ISM-ID-00336</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains a token matching [HCS-P-XXXXXX], where X is represented by the regular expression character class [A-Z0-9]{1,6}, then attribute @ism:disseminationControls must contain the name token [OC].
<a href="#">ISM-ID-00341</a>	[Error] If ISM_USGOV_RESOURCE and @ism:SCIcontrols contains a token matching [SI-G] or [SI-G-XXXX], then @ism:disseminationControls cannot contain [OC-USGOV].

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00343</a>	[Error] If ISM_USGOV_RESOURCE and there exists a token in @ism:SClcontrols for portions that contribute to rollup, then they must also be specified in the @ism:SClcontrols attribute on the ISM_RESOURCE_ELEMENT.
<a href="#">ISM-ID-00344</a>	[Error] If ISM_USGOV_RESOURCE and there exists a token in @ism:SClcontrols on the ISM_RESOURCE_ELEMENT and no compilation reason then the token must also be specified in the @ism:SClcontrols attribute on at least one portion.
<a href="#">ISM-ID-00345</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the value [EYES], @ism:releasableTo must only contain the token values of [USA], [AUS], [CAN], [GBR] or [NZL].
<a href="#">ISM-ID-00346</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:nonICmarkings contains the name token [DS], then attribute @ism:classification must have a value of [U].
<a href="#">ISM-ID-00347</a>	[Error] If ISM_USGOV_RESOURCE and if there exists a token in @ism:SARIdentifier for portions that contribute to rollup then they must also be specified in the @ism:SARIdentifier attribute on the ISM_RESOURCE_ELEMENT.
<a href="#">ISM-ID-00348</a>	[Error] If ISM_USGOV_RESOURCE and there exists a token in @ism:SARIdentifier on the ISM_RESOURCE_ELEMENT and no compilation reason then the token must also be specified in the @ism:SARIdentifier attribute on at least one portion.
<a href="#">ISM-ID-00352</a>	[Error] Banner or portion that contributes to roll-up must contain [PR] if PROPIN NTK metadata exists.
<a href="#">ISM-ID-00353</a>	[Error] Banner or portion that contributes to roll-up must contain [OC] if ORCON NTK metadata exists.
<a href="#">ISM-ID-00354</a>	[Error] The banner or a portion that contributes to roll-up must contain [XD] if EXDIS NTK metadata exists.
<a href="#">ISM-ID-00355</a>	[Error] The banner or a portion that contributes to roll-up must contain [ND] if NODIS NTK metadata exists.
<a href="#">ISM-ID-00356</a>	[Error] USA documents containing SSI data must have a non-external SSI notice.
<a href="#">ISM-ID-00357</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [SSI] AND 2. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [SSI] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00362</a>	[Error] HCS-P-subs cannot be used with OC-USGOV.
<a href="#">ISM-ID-00363</a>	[Error] HCS-O cannot be used with OC-USGOV.

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00364</a>	[Error] If an ISM_USGOV_RESOURCE has a value in @ism:compilationReason and @ism:noAggregation is present, @ism:noAggregation must be false.
<a href="#">ISM-ID-00368</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [TK-BLFH], then attribute @ism:classification must have a value of [TS].
<a href="#">ISM-ID-00369</a>	[Error] If ISM_USGOV_RESOURCE and @ism:attribute SCIcontrols contains the name token [TK-BLFH], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00370</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [TK-IDIT], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00371</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [TK-KAND], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00372</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:nonICmarkings contains the name token [LES-NF] or [SBU-NF], then attribute @ism:disseminationControls must not contain the name token [NF], [REL], [EYES], [RELIDO], or [DISPLAYONLY].
<a href="#">ISM-ID-00373</a>	[Error] If ISM_USGOV_RESOURCE and any element in the document: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:nonICmarkings containing [SSI] Then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [SSI].
<a href="#">ISM-ID-00374</a>	[Error] If ISM_USGOV_RESOURCE and @ism:nonICmarkings contains 'SSI' on the ISM_RESOURCE_ELEMENT with no compilation reason then the token 'SSI' must exist in an @ism:nonICmarkings attribute on at least one portion.
<a href="#">ISM-ID-00384</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [RS] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [RSEN, IMCON_RSEN] and does not have attribute @ism:externalNotice with a value of [true]
<a href="#">ISM-ID-00386</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute SCIcontrols containing TK compartments AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [GEOCAP] and does not have attribute externalNotice with a value of [true]

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00387</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:SCIcontrols containing TK compartments AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [GEOCAP] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00388</a>	[Error] If ISM_USGOV_RESOURCE and @ism:attribute SCIcontrols contains a token matching containing a "-" then it must also contain the token before the "-". This is to ensure all compartments specify the control system and all subcompartments specify the compartment.
<a href="#">ISM-ID-00389</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [RAWFISA] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [RAWFISA].
<a href="#">ISM-ID-00391</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [RAWFISA] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [RAWFISA] and does not have attribute @ism:externalNotice with a value of [true]
<a href="#">ISM-ID-00392</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:disseminationControls containing [RAWFISA] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [RAWFISA] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00393</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [RAWFISA], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00394</a>	[Error] If the ISM_RESOURCE_ELEMENT has the "RAWFISA" dissemination control and no compilation reason, then at least one portion must have the "RAWFISA" dissemination control.
<a href="#">ISM-ID-00396</a>	[Warning] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [KLM], then [KLM] SHOULD contain [NF]; ensure you have proper release authority from the KLM program.
<a href="#">ISM-ID-00397</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains a name token that complies with the pattern [KLM-] followed by any alphanumeric string, then attribute @ism:disseminationControls must contain the name token [OC], except for the [KLM-R] compartment which does not require [OC].

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00398</a>	[Error] If ISM_USGOV_RESOURCE and @ism:attribute SCIcontrols contains a name token that complies with the pattern [KLM-X-Y], where X and Y are any alphanumeric strings of any length, then attribute @ism:disseminationControls must contain the name token [OC].
<a href="#">ISM-ID-00441</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:disseminationControls containing [RS] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [RSEN] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00442</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:disseminationControls containing [RS] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [IMCON_RSEN] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00443</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:disseminationControls containing [IMC] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [IMCON_RSEN] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00444</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:disseminationControls containing [IMC] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [IMC] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00459</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS-X], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00460</a>	[Error] If 1. Any attribute @ism:noticeType contains [ITAR-EAR] AND 2. Attribute @ism:noticeType of ISM_RESOURCE_ELEMENT contains [DoD-Dist-A]
<a href="#">ISM-ID-00461</a>	[Error] If ISM_USDOD_RESOURCE and 1. not ISM_DOD_DISTRO_EXEMPT AND 2. Attribute @ism:noticeType of any portion that is not @ism:excludeFromRollup="true" contains [ITAR-EAR], then there must be @ism:noticeType=[ITAR-EAR] on the resource element.
<a href="#">ISM-ID-00462</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification is [U], then attribute @ism:nonICmarkings must not contain a name token that starts with ACCM.

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00473</a>	[Error] If ISM_USGOV_RESOURCE, PROPIN information (i.e. @ism:disseminationControls of the resource node contains [PR]) requires explicit Foreign Disclosure & Release (FD&R) markings ([REL], [RELIDO], [NF], [DISPLAYONLY] or [EYES]).
<a href="#">ISM-ID-00487</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:cuiSpecified containing [FISA] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [FISA] and does not have attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00488</a>	[Error] If ISM_USCUIONLY_RESOURCE, and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:cuiSpecified containing [FISA] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [FISA] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00491</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:cuiSpecified containing [SSI] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [SSI] and does not have attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00492</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:cuiSpecified containing [SSI] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [SSI] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00496</a>	[Error] If @ism:compliesWith contains "USA-CUI-ONLY", then there cannot be any other tokens in @ism:compliesWith.
<a href="#">ISM-ID-00498</a>	[Error] If a document contains @ism:cuiControlledBy, then it must contain at least one of @ism:cuiBasic or @ism:cuiSpecified.
<a href="#">ISM-ID-00500</a>	[Error] If a document has @ism:cuiControlledBy, then it must have ism:complieswith="USA-CUI" or "USA-CUI-ONLY".
<a href="#">ISM-ID-00501</a>	[Error] If a document has either or both of @ism:cuiDecontrolDate or @ism:cuiDecontrolEvent, then it must have @ism:complieswith="USA-CUI" or "USA-CUI-ONLY".
<a href="#">ISM-ID-00502</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and there exists a token in @ism:cuiBasic for portions that contribute to rollup, then all such tokens must also be specified in the @ism:cuiBasic attribute on the ISM_RESOURCE_ELEMENT.

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00503</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and there exists a token in @ism:cuiSpecified for portions that contribute to rollup, then all such tokens must also be specified in the @ism:cuiSpecified attribute on the ISM_RESOURCE_ELEMENT.
<a href="#">ISM-ID-00504</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and there exists a token in @ism:cuiBasic on the ISM_RESOURCE_ELEMENT and no compilation reason, then the token must also be specified in the @ism:cuiBasic attribute on at least one portion.
<a href="#">ISM-ID-00505</a>	[Error] All @ism:cuiBasic values must be defined in CVEnum-ISMCUIBasic.xml.
<a href="#">ISM-ID-00506</a>	[Error] All @ism:cuiSpecified values must be defined in CVEnum-ISMCUISpecified.xml.
<a href="#">ISM-ID-00507</a>	[Error] If (ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE) and attribute @ism:disseminationControls contains one or more of the name tokens [AC] or [AWP], then attribute @ism:cuiBasic must contain the name token [PRIVILEGE].
<a href="#">ISM-ID-00514</a>	[Warning] Attribute @ism:secondBannerLine should not contain any values which will be deprecated.
<a href="#">ISM-ID-00515</a>	[Error] Attribute @ism:secondBannerLine must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00517</a>	[Error] All @ism:secondBannerLine values must be defined in CVEnum-ISMSsecondBannerLine.xml.
<a href="#">ISM-ID-00521</a>	[Error] If ISM_USGOV_RESOURCE and any element: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:disseminationControls containing [REL] Then the ISM_RESOURCE_ELEMENT MUST have attribute @ism:disseminationControls containing either [REL], [DISPLAYONLY] or [NF].
<a href="#">ISM-ID-00522</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:highWaterNATO attribute exists on a banner or portion, then @ism:FGIsourceOpen contains [NATO] or @ism:ownerProducer contains [NATO] or @ism:FGIsourceProtected contains [FGI].
<a href="#">ISM-ID-00523</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:FGIsourceOpen attribute contains [NATO] on a banner or portion, then a requirement exists that @ism:highWaterNATO also exists, otherwise the NATO data classification cannot be determined.
<a href="#">ISM-ID-00524</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:highWaterNATO attribute exists on a banner or portion, then @ism:ownerProducer cannot be equal to 'NATO'.

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00525</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:highWaterNATO attribute exists on a banner or portion, then @ism:highWaterNATO cannot be higher than @ism:classification.
<a href="#">ISM-ID-00526</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:ownerProducer attribute contains multiple values on a banner or portion, one being NATO, then a requirement exists that @ism:highWaterNATO also exists, otherwise the NATO data classification cannot be determined.
<a href="#">ISM-ID-00528</a>	[Error] If ISM_USGOV_RESOURCE and if @ism:disseminationControls contains the token [EXEMPT_FROM_ICD501_DISCOVERY] for portions that contribute to rollup then [EXEMPT_FROM_ICD501_DISCOVERY] must also be specified in the @ism:disseminationControls attribute on the ISM_RESOURCE_ELEMENT.
<a href="#">ISM-ID-00530</a>	[Error] The tokens in @ism:SARIdentifier must start with a substring before : that exists in the SAR Source Authorities CVE.
<a href="#">ISM-ID-00532</a>	[Error] For all elements with @ism:SARIdentifier with tokens that include classification portion marks (e.g., DOD:TS:aaaa or DOD:C:bbbb), the value of the classification portion mark cannot be higher than @ism:classification on the same element.
<a href="#">ISM-ID-00463</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [BUR], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00464</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [RSV], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00465</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [BUR], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00466</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [KLM], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00467</a>	[Warning] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains one of the name tokens [RD] or [FRD], then [RD] and [FRD] SHOULD contain [NF]. In order to release [RD] or [FRD] data to a foreign partner, ensure you have established a sharing agreement per the AEA.
<a href="#">ISM-ID-00468</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains a token starting with [KLM-R], then attribute @ism:classification must have a value of [TS].
<a href="#">ISM-ID-00469</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains a token starting with [KLM-R], then attribute @ism:disseminationControls must contain the name token [NF].

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00470</a>	[Error] If ISM_USGOV_RESOURCE and @ism:SCIcontrols contains a token matching [KLM-R-XXX], then @ism:disseminationControls cannot contain [OC-USGOV].
<a href="#">ISM-ID-00471</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains a name token starting with [KLM-R-], then attribute @ism:disseminationControls must contain the name token [OC].
<a href="#">ISM-ID-00472</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [MVL], then attribute @ism:classification must have a value of [TS].
<a href="#">ISM-ID-00474</a>	[Warning] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS], then attribute @ism:SCIcontrols MUST include one of the tokens [HCS-O], [HCS-P] or [HCS-X].
<a href="#">ISM-ID-00475</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and there exists a token in @ism:cuiSpecified on the ISM_RESOURCE_ELEMENT and no compilation reason, then the token must also be specified in the @ism:cuiSpecified attribute on at least one portion.
<a href="#">ISM-ID-00478</a>	[Error] If the document has @ism:compliesWith containing the token [USA-CUI], then @ism:compliesWith cannot contain [USIC], because CUI has not yet been implemented in the IC.
<a href="#">ISM-ID-00479</a>	[Error] If @ism:compliesWith contains "USA-CUI" then there MUST be some other token in ism:compliesWith.
<a href="#">ISM-ID-00480</a>	[Warning] Attribute @ism:cuiBasic should not contain any values which will be deprecated.
<a href="#">ISM-ID-00481</a>	[Warning] Attribute @ism:cuiSpecified should not contain any values which will be deprecated.
<a href="#">ISM-ID-00482</a>	[Error] Attribute @ism:cuiBasic must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00483</a>	[Error] Attribute @ism:cuiSpecified must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00119</a>	[Error] If ISM_USIC_RESOURCE and 1. attribute @ism:classification is not [U] AND 2. not ISM_710_FDR_EXEMPT AND 3. attribute @ism:excludeFromRollup is not true AND 4. attribute @ism:disseminationControls must contain one or more of [DISPLAYONLY], [REL], [RELIDO], [EYES], or [NF].
<a href="#">ISM-ID-00225</a>	[Error] If subject to IC rules, then attribute @ism:nonICmarkings must NOT be specified with a value containing any name token starting with [ACCM] or [NNPI].
<a href="#">ISM-ID-00251</a>	[Error] If ISM_USIC_RESOURCE, then attribute @ism:noticeType must not be specified with a value of [COMSEC].

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00381</a>	[Error] 1. @ism:compliesWith of resource element contains USIC or USDOD 2. @ism:compliesWith must also contain USGov
<a href="#">ISM-ID-00382</a>	[Error] For all elements with single-valued @ism:ownerProducer, @ism:joint must NOT be true.
<a href="#">ISM-ID-00383</a>	[Error] For elements with @ism:joint set to true, one of the values of @ism:ownerProducer must be USA.
<a href="#">ISM-ID-00451</a>	[Error] Every ARH attribute in the document must be specified with a non-whitespace value.
<a href="#">ISM-ID-00453</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains a token matching [HCS-P-XXXXXX], where X is represented by the regular expression character class [A-Z0-9]{1,6}, then attribute @ism:classification must have a value of [TS].
<a href="#">ISM-ID-00002</a>	[Error] For every attribute in the ISM namespace that is used in a document, a non-null value must be present.
<a href="#">ISM-ID-00103</a>	[Error] At least one element must have attribute @ism:resourceElement specified with a value of [true].
<a href="#">ISM-ID-00125</a>	[Error] If any attributes in namespace urn:us:gov:ic:ism exist, the local name must exist in CVEnumISMAAttributes.xml.
<a href="#">ISM-ID-00163</a>	[Error] If attribute @ism:nonUSControls exists either 1. the attribute @ism:ownerProducer must equal [NATO] or a [NATO:NAC] OR 2. the attribute @ism:FGIsourceOpen must contain [NATO] or a [NATO:NAC] OR 3. the attribute @ism:FGIsourceProtected is used (This should only be the case when it is a resource level or super portion marking)
<a href="#">ISM-ID-00194</a>	[Warning] Attribute @ism:noticeType should not contain any values which will be deprecated.
<a href="#">ISM-ID-00195</a>	[Error] Attribute @ism:noticeType must NOT contain values which have passed their deprecation date.
<a href="#">ISM-ID-00236</a>	[Error] Duplicate tokens are not permitted in ISM attributes.
<a href="#">ISM-ID-00248</a>	[Error] ISM_RESOURCE_ELEMENT cannot have @ism:externalNotice set to [true].
<a href="#">ISM-ID-00300</a>	[Warning] @ism:DESVersion attributes SHOULD be specified as revision 202111.202211 (Revision:2021-NOVr2022-NOV) with an optional extension.
<a href="#">ISM-ID-00323</a>	[Error] The attribute @ism:ISMCATCESVersion in the namespace urn:us:gov:ic:ism must be specified.
<a href="#">ISM-ID-00338</a>	[Error] All @ism:compliesWith values must be defined in CVEnum-ISMCompliesWith.xml.
<a href="#">ISM-ID-00339</a>	[Error] 1. @ism:ownerProducer of resource element contains USA 2. @ism:compliesWith does not contain USGov

Schematron Phase VALUECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00358</a>	[Error] A document using tetragraphs may not have a releasableTo that is less restrictive than that of any tetragraph or organization tokens used in the releasableTo fields.
<a href="#">ISM-ID-00359</a>	[Error] The classification of a tetragraph may not be greater than the classification of the document.
<a href="#">ISM-ID-00360</a>	[Error] An UNCLASSIFIED//FOUO tetragraph may not be used in a UNCLASSIFIED document that is not also FOUO.
<a href="#">ISM-ID-00376</a>	[Error] A portion using tetragraphs may not have a releasableTo that is less restrictive than the releasability of any tetragraph or organization tokens used in the same portion's releasableTo, displayOnlyTo, FGIsorceOpen, or FGIsorceProtected attributes. If a tetragraph XXXX in any of the attributes ownerProducer, releasableTo, displayOnlyTo, FGIsorceOpen, or FGIsorceProtected is itself marked as ism:releasableTo in the Tetragraph Taxonomy, then see if all the countries that the portion is releasableTo are also countries that the tetragraph XXXX is releasableTo. If not, error.
<a href="#">ISM-ID-00377</a>	[Error] All @ism:ownerProducer values in a JOINT document must be in the @ism:releasableTo attribute.

## Chapter 4 - Schematron Phase BANNER

### Rules in Phase

Schematron Phase BANNER	
Rule Id	Rule
<a href="#">ISM-ID-00155</a>	[Error] If ISM_USDOD_RESOURCE and 1. not ISM_DOD_DISTRO_EXEMPT AND 2. Attribute @ism:noticeType of ISM_RESOURCE_ELEMENT does not contain one of [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F]
<a href="#">ISM-ID-00157</a>	[Error] If ISM_USDOD_RESOURCE and: 1. The attribute notice contains one of the [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], or [DoD-Dist-E] AND 2. The attribute @ism:noticeReason is not specified.
<a href="#">ISM-ID-00158</a>	[Error] If ISM_USDOD_RESOURCE and: 1. not ISM_DOD_DISTRO_EXEMPT AND 2. attribute @ism:classification of ISM_RESOURCE_ELEMENT is not [U] AND 3. A resource attribute @ism:noticeType does not contain one of [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F].
<a href="#">ISM-ID-00161</a>	[Error] If the document is an 1. ISM_USDOD_RESOURCE AND 2. the attribute @ism:noticeType of ISM_RESOURCE_ELEMENT contains [DoD-Dist-A] AND 3. no portions in the document have their attribute @ism:excludeFromRollup set to [true] THEN there must not be any attribute @ism:nonICmarkings present.
<a href="#">ISM-ID-00162</a>	[Error] If ISM_USDOD_RESOURCE and 1. not ISM_DOD_DISTRO_EXEMPT AND 2. attribute @ism:noticeType of ISM_RESOURCE_ELEMENT contains more than one of [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F]
<a href="#">ISM-ID-00227</a>	[Error] Attribute @ism:noticeType may only appear on the resource node when it contains the values [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], [DoD-Dist-F], or [ITAR-EAR].
<a href="#">ISM-ID-00237</a>	[Error] If ISM_USDOD_RESOURCE, any element which specifies attribute @ism:noticeType containing one of the tokens [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F] must also specify attribute @ism:noticeDate.
<a href="#">ISM-ID-00238</a>	[Error] If ISM_USDOD_RESOURCE, if any element specifies attribute @ism:noticeType containing one of the tokens [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F] then an element in the document must specify attribute @ism:pocType with the same value as attribute @ism:noticeType.
<a href="#">ISM-ID-00527</a>	[Warning] All resource elements that contain a DoD @ism:SARIdentifier attribute SHOULD contain attribute @ism:declassException.

Schematron Phase BANNER	
Rule Id	Rule
<a href="#">ISM-ID-00014</a>	[Error] If ISM_NSI_EO_APPLIES then one or more of the following attributes: @ism:declassDate, @ism:declassEvent, or @ism:declassException must be specified on the ISM_RESOURCE_ELEMENT.
<a href="#">ISM-ID-00016</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification has a value of [U], then attributes @ism:classificationReason, @ism:classifiedBy, @ism:derivativelyClassifiedBy, @ism:declassDate, @ism:declassEvent, @ism:declassException, @ism:derivedFrom, @ism:SARIdentifier, or @ism:SCIcontrols must not be specified.
<a href="#">ISM-ID-00017</a>	[Error] If ISM_NSI_EO_APPLIES and attribute @ism:classifiedBy is specified, then attribute @ism:classificationReason must be specified.
<a href="#">ISM-ID-00028</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [OC] or [EYES], then attribute @ism:classification must have a value of [TS], [S], or [C].
<a href="#">ISM-ID-00030</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [FOUO], then attribute @ism:classification must have a value of [U].
<a href="#">ISM-ID-00031</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [REL] or [EYES], then attribute @ism:releasableTo must be specified.
<a href="#">ISM-ID-00032</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls is not specified, or is specified and does not contain the name token [REL] or [EYES], then attribute @ism:releasableTo must not be specified.
<a href="#">ISM-ID-00033</a>	[Error] If ISM_USGOV_RESOURCE, then tokens [REL], [EYES] and [NF] are mutually exclusive for attribute @ism:disseminationControls.
<a href="#">ISM-ID-00037</a>	[Error] When ISM_USGOV_RESOURCE and @ism:nonICmarkings contains [SBU] or [SBU-NF] then @ism:classification must equal [U].
<a href="#">ISM-ID-00038</a>	[Error] If ISM_USGOV_RESOURCE, then the tokens [XD], [ND], [SBU], and [SBU-NF] are mutually exclusive for attribute @ism:nonICmarkings.
<a href="#">ISM-ID-00040</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:ownerProducer contains [USA] then attribute @ism:classification must have a value in CVEnumISMClassificationUS.xml.
<a href="#">ISM-ID-00043</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [SI], then attribute @ism:classification must have a value of [TS], [S], or [C].
<a href="#">ISM-ID-00044</a>	[Error] If the document is an ISM_USGOV_RESOURCE and the attribute @ism:SCIcontrols contain a name token with [SI-G], then the attribute @ism:classification must have a value of [TS].

Schematron Phase BANNER	
Rule Id	Rule
<a href="#">ISM-ID-00045</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains a name token starting with [SI-G], then attribute @ism:disseminationControls must contain the name token [OC].
<a href="#">ISM-ID-00047</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [TK], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00048</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [HCS], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00049</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [HCS], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00097</a>	[Warning] If ISM_USGOV_RESOURCE and attribute @ism:FGlsourceProtected is specified with a value other than [FGI] then the value(s) must not be discoverable in IC shared spaces.
<a href="#">ISM-ID-00099</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:ownerProducer contains the token [FGI], then the token [FGI] must be the only value in attribute @ism:ownerProducer.
<a href="#">ISM-ID-00107</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [IMC] then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00124</a>	[Warning] If ISM_USGOV_RESOURCE and 1. Attribute @ism:ownerProducer does not contain [USA]. AND 2. Attribute @ism:disseminationControls contains [RELIDO]
<a href="#">ISM-ID-00127</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [RD] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [RD] and does not have attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00129</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [IMC] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [IMC, IMCON_RSEN] and does not have attribute @ism:externalNotice with a value of [true]
<a href="#">ISM-ID-00130</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [FISA] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [FISA] and does not have attribute @ism:externalNotice with a value of [true]

Schematron Phase BANNER	
Rule Id	Rule
<a href="#">ISM-ID-00133</a>	[Error] If ISM_NSI_EO_APPLIES and attribute @ism:declassException is specified and contains the tokens [25X1-EO-12951], [50X1-HUM], [50X2-WMD], [NATO], [AEA] or [NATO-AEA] then attribute @ism:declassDate or @ism:declassEvent must NOT be specified.
<a href="#">ISM-ID-00134</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [DS] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [DS] and does not have attribute @ism:externalNotice with a value of [true]
<a href="#">ISM-ID-00141</a>	[Error] If ISM_NSI_EO_APPLIES and: 1. ISM_RESOURCE_ELEMENT attribute @ism:declassException does not have a value of [25X1-EO-12951], [50X1-HUM], [50X2-WMD], [AEA], [NATO], or [NATO-AEA] AND 2. ISM_RESOURCE_ELEMENT attribute @ism:declassDate is not specified AND 3. ISM_RESOURCE_ELEMENT attribute @ism:declassEvent is not specified
<a href="#">ISM-ID-00142</a>	[Error] If the Classified National Security Information Executive Order applies to the document, then a classification authority must be specified.
<a href="#">ISM-ID-00143</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:derivativelyClassifiedBy is specified, then attribute @ism:derivedFrom must be specified.
<a href="#">ISM-ID-00148</a>	[Error] If ISM_USGOV_RESOURCE, then Name tokens [LES] and [LES-NF] are mutually exclusive for attribute @ism:nonICmarkings.
<a href="#">ISM-ID-00152</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [LES-NF] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [LES-NF] and does not have attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00159</a>	[Error] If ISM_USGOV_RESOURCE and: 1. attribute @ism:classification of ISM_RESOURCE_ELEMENT is not [U] AND 2. The attribute @ism:noticeType does contain [DoD-Dist-A] or has attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00164</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [RS], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00166</a>	[Warning] Attribute @ism:classification should not contain any value which will be deprecated.
<a href="#">ISM-ID-00168</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls is not specified or is specified and does not contain the name token [DISPLAYONLY], then attribute @ism:displayOnlyTo must not be specified.

Schematron Phase BANNER	
Rule Id	Rule
<a href="#">ISM-ID-00169</a>	[Error] If ISM_USGOV_RESOURCE, then for attribute @ism:disseminationControls the name tokens [DISPLAYONLY], [RELIDO] and [NF] are mutually exclusive.
<a href="#">ISM-ID-00170</a>	[Error] Attribute @ism:classification must not contain any values which have passed their deprecation date.
<a href="#">ISM-ID-00173</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains a name token starting with [RD-SG] or [FRD-SG], then attribute @ism:classification must have a value of [S] or [TS].
<a href="#">ISM-ID-00174</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains the name token [RD], [FRD], or [TFNI], then attribute @ism:classification must have a value of [TS], [S], or [C].
<a href="#">ISM-ID-00175</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains the name token [RD-CNWDI], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00176</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings has a name token containing [RD] or [FRD], then attributes @ism:declassDate and @ism:declassEvent cannot be specified on the resourceElement.
<a href="#">ISM-ID-00179</a>	[Warning] Attribute @ism:disseminationControls should not contain any values which will be deprecated.
<a href="#">ISM-ID-00180</a>	[Error] Attribute @ism:disseminationControls must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00181</a>	[Error] If ISM_USGOV_RESOURCE and element's classification does not have a value of "U" then attribute @ism:atomicEnergyMarkings must not contain the name token [UCNI] or [DCNI].
<a href="#">ISM-ID-00183</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains a name token starting with [RD-SG], then it must also contain the name token [RD].
<a href="#">ISM-ID-00184</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains a name token starting with [FRD-SG], then it must also contain the name token [FRD].
<a href="#">ISM-ID-00188</a>	[Warning] Attribute @ism:FGIsourceOpen should not contain any value which will be deprecated.
<a href="#">ISM-ID-00189</a>	[Error] Attribute @ism:FGIsourceOpen must not contain values that have passed their deprecation date.
<a href="#">ISM-ID-00190</a>	[Warning] Attribute @ism:FGIsourceProtected should not contain any values which will be deprecated.
<a href="#">ISM-ID-00191</a>	[Error] Attribute @ism:FGIsourceProtected must not contain any values which have passed their deprecation date.

Schematron Phase BANNER	
Rule Id	Rule
<a href="#">ISM-ID-00192</a>	[Warning] Attribute @ism:nonICmarkings should not contain any values which will be deprecated.
<a href="#">ISM-ID-00193</a>	[Error] Attribute @ism:nonICmarkings must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00196</a>	[Warning] Attribute @ism:ownerProducer should not contain any values which will be deprecated.
<a href="#">ISM-ID-00197</a>	[Error] Attribute @ism:ownerProducer must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00198</a>	[Warning] Attribute @ism:releasableTo should not contain any values which will be deprecated.
<a href="#">ISM-ID-00199</a>	[Error] Attribute @ism:releasableTo must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00200</a>	[Warning] Attribute @ism:displayOnlyTo should not contain any values which will be deprecated.
<a href="#">ISM-ID-00201</a>	[Error] Attribute @ism:displayOnlyTo must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00202</a>	[Warning] Attribute @ism:SARIdentifier should not contain any values which will be deprecated.
<a href="#">ISM-ID-00203</a>	[Error] Attribute @ism:SARIdentifier must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00204</a>	[Warning] Attribute @ism:SCIcontrols should not contain any values which will be deprecated.
<a href="#">ISM-ID-00205</a>	[Error] Attribute @ism:SCIcontrols must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00206</a>	[Warning] Attribute @ism:declassException should not contain any values which will be deprecated.
<a href="#">ISM-ID-00207</a>	[Error] Attribute @ism:declassException must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00208</a>	[Warning] Attribute @ism:atomicEnergyMarkings should not contain any values which will be deprecated.
<a href="#">ISM-ID-00209</a>	[Error] Attribute @ism:atomicEnergyMarkings must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00210</a>	[Warning] Attribute @ism:nonUSControls should not contain any values which will be deprecated.
<a href="#">ISM-ID-00211</a>	[Error] Attribute @ism:nonUSControls must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00213</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [DISPLAYONLY], then attribute @ism:displayOnlyTo must be specified.

Schematron Phase BANNER	
Rule Id	Rule
<a href="#">ISM-ID-00214</a>	[Error] If ISM_USGOV_RESOURCE then attribute @ism:releasableTo must start with [USA].
<a href="#">ISM-ID-00217</a>	[Error] If ISM_USGOV_RESOURCE attribute @ism:FGIsourceProtected contains [FGI], it must be the only value.
<a href="#">ISM-ID-00221</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:derivativelyClassifiedBy is specified, then attributes @ism:classificationReason or @ism:classifiedBy must not be specified.
<a href="#">ISM-ID-00223</a>	[Error] If any elements in namespace urn:us:gov:ic:ism exist, the local name must exist in CVEnumISMElements.xml.
<a href="#">ISM-ID-00226</a>	[Error] Attributes @ism:noticeType and @ism:unregisteredNoticeType may not both be used on the same element.
<a href="#">ISM-ID-00242</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [RSV], then it must also have attribute @ism:classification with a value of [S] or [TS].
<a href="#">ISM-ID-00243</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [RSV], then it must also contain a compartment [RSV-XXX].
<a href="#">ISM-ID-00246</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [RD], [FRD], or [TFNI] then the ISM_RESOURCE_ELEMENT must have a @ism:declassException of [AEA] or [NATO-AEA].
<a href="#">ISM-ID-00250</a>	[Error] If ISM_USGOV_RESOURCE, element ism:Notice must specify attribute @ism:noticeType or @ism:unregisteredNoticeType.
<a href="#">ISM-ID-00253</a>	[Error] All @ism:atomicEnergyMarkings values must be defined in CVEnumISMAAtomicEnergyMarkings.xml.
<a href="#">ISM-ID-00254</a>	[Error] All @ism:classification values must be a defined in CVEnum-ISMClassificationAll.xml.
<a href="#">ISM-ID-00255</a>	[Error] All @ism:exemptFrom values must be defined in CVEnum-ISMExemptFrom.xml.
<a href="#">ISM-ID-00256</a>	[Error] All @ism:declassException values must be defined in CVEnum-ISM25X.xml.
<a href="#">ISM-ID-00257</a>	[Error] All @ism:displayOnlyTo values must be defined in CVEnum-ISMRelTo.xml.
<a href="#">ISM-ID-00258</a>	[Error] All @ism:disseminationControls values must be a defined in CVEnumISMDissem.xml.
<a href="#">ISM-ID-00259</a>	[Error] All @ism:FGIsourceOpen values must be defined in CVEnum-ISMCAATFGIOpen.xml.
<a href="#">ISM-ID-00260</a>	[Error] All @ism:FGIsourceProtected values must be defined in CVEnumISMCAATFGIProtected.xml.

Schematron Phase BANNER	
Rule Id	Rule
<a href="#">ISM-ID-00261</a>	[Error] All @ism:nonICmarkings values that contributes to rollup must be defined in CVEnumISMNonIC.xml. All non-ACCM @ism:nonICmarkings values that do not contribute to rollup must be defined in CVEnumISMNonIC.xml.
<a href="#">ISM-ID-00262</a>	[Error] Any @ism:nonUSControls values must be defined in CVEnumISMNonUSControls.xml.
<a href="#">ISM-ID-00263</a>	[Error] Any @ism:ownerProducer values must be defined in CVEnumISMCAOwnerProducer.xml.
<a href="#">ISM-ID-00264</a>	[Error] Any @ism:pocType values must be defined in CVEnumISMPocType.xml.
<a href="#">ISM-ID-00265</a>	[Error] Any @ism:releasableTo must be a value in CVEnumISMRelTo.xml.
<a href="#">ISM-ID-00268</a>	[Error] All @ism:atomicEnergyMarkings attributes must be of type NmTokens.
<a href="#">ISM-ID-00269</a>	[Error] All @ism:classification attributes must be of type NmToken.
<a href="#">ISM-ID-00270</a>	[Error] All @ism:classificationReason attributes must be a string with 4096 characters or less.
<a href="#">ISM-ID-00271</a>	[Error] All @ism:classifiedBy attributes must be a string with less than 1024 characters.
<a href="#">ISM-ID-00272</a>	[Error] All @ism:compilationReason attributes must be a string with less than 1024 characters.
<a href="#">ISM-ID-00273</a>	[Error] All @ism:exemptFrom attributes must be of type NmTokens.
<a href="#">ISM-ID-00274</a>	[Error] All @ism:createDate attributes must be a Date without a timezone.
<a href="#">ISM-ID-00275</a>	[Error] All @ism:declassDate attributes must be of type Date.
<a href="#">ISM-ID-00276</a>	[Error] All @ism:declassEvent attributes must be a string with less than 1024 characters.
<a href="#">ISM-ID-00277</a>	[Error] All @ism:declassException attributes must be of type NmTokens.
<a href="#">ISM-ID-00278</a>	[Error] All @ism:derivativelyClassifiedBy attributes must be a string with less than 1024 characters.
<a href="#">ISM-ID-00279</a>	[Error] All @ism:derivedFrom attributes must be a string with less than 1024 characters.
<a href="#">ISM-ID-00280</a>	[Error] All @ism:displayOnlyTo attributes must be of type NmTokens.
<a href="#">ISM-ID-00281</a>	[Error] All @ism:disseminationControls attributes must be of type NmTokens.
<a href="#">ISM-ID-00283</a>	[Error] All @ism:FGIsourceOpen attributes must be of type NmTokens.
<a href="#">ISM-ID-00284</a>	[Error] All @ism:FGIsourceProtected attributes must be of type NmTokens.

Schematron Phase BANNER	
Rule Id	Rule
<a href="#">ISM-ID-00285</a>	[Error] All @ism:nonICmarkings attributes must be of type NmTokens.
<a href="#">ISM-ID-00286</a>	[Error] All @ism:nonUSControls attributes must be of type NmTokens.
<a href="#">ISM-ID-00287</a>	[Error] All @ism:noticeDate attributes must be of type Date.
<a href="#">ISM-ID-00288</a>	[Error] All @ism:noticeReason attributes must be a string with less than 2048 characters.
<a href="#">ISM-ID-00289</a>	[Error] All @ism:noticeType attributes must be of type NmTokens.
<a href="#">ISM-ID-00290</a>	[Error] All @ism:externalNotice attributes must be of type Boolean.
<a href="#">ISM-ID-00291</a>	[Error] All @ism:ownerProducer attributes must be of type NmTokens.
<a href="#">ISM-ID-00292</a>	[Error] All @ism:pocType attributes must be of type NmTokens.
<a href="#">ISM-ID-00293</a>	[Error] All @ism:releasableTo attributes must be of type NmTokens.
<a href="#">ISM-ID-00294</a>	[Error] All @ism:resourceElement attributes must be of type Boolean.
<a href="#">ISM-ID-00295</a>	[Error] All @ism:SARIdentifier attributes must be of type NmTokens.
<a href="#">ISM-ID-00296</a>	[Error] All @ism:SCIcontrols attributes must be of type NmTokens.
<a href="#">ISM-ID-00297</a>	[Error] All @ism:unregisteredNoticeType attributes must be a string with less than 2048 characters.
<a href="#">ISM-ID-00299</a>	[Error] If an element contains the attribute @ism:declassException with a value of [AEA], it must also contain the attribute @ism:atomicEnergyMarkings.
<a href="#">ISM-ID-00302</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [OC-USGOV], then name token [OC] must be specified.
<a href="#">ISM-ID-00313</a>	[Error] If @ism:nonICmarkings contains the token [ND] then the attribute @ism:disseminationControls must contain [NF].
<a href="#">ISM-ID-00314</a>	[Error] If @ism:nonICmarkings contains the token [XD] then the attribute @ism:disseminationControls must contain [NF].
<a href="#">ISM-ID-00316</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:declassException of ISM_RESOURCE_ELEMENT contains [NATO] then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:ownerProducer attribute containing [NATO] or the resource level attribute @ism:FGIsourceOpen must contain [NATO].
<a href="#">ISM-ID-00319</a>	[Error] If ISM_USGOV_RESOURCE and @ism:ownerProducer contains 'USA' and attribute @ism:releasableTo is specified, then @ism:releasableTo must contain more than a single token.
<a href="#">ISM-ID-00321</a>	[Error] If ISM_USGOV_RESOURCE, then tokens [RD], [FRD] and [TFNI] are mutually exclusive for attribute @ism:atomicEnergyMarkings.
<a href="#">ISM-ID-00325</a>	[Error] If ISM_USGOV_RESOURCE, then tokens [OC] and [RELIDO] are mutually exclusive for attribute @ism:disseminationControls.

Schematron Phase BANNER	
Rule Id	Rule
<a href="#">ISM-ID-00326</a>	[Error] ORCON information (i.e. @ism:disseminationControls of the resource node contains [OC]) requires ORCON profile NTK metadata.
<a href="#">ISM-ID-00327</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element in the document that has the attribute @ism:disseminationControls containing [FOUO] AND 2. Has the attribute @ism:classification [U] Then the element can only have the @ism:disseminationControls containing [REL], [RELIDO], [NF], [DISPLAYONLY], and [EYES].
<a href="#">ISM-ID-00328</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element in the document that has the attribute @ism:disseminationControls containing [FOUO] AND 2. Has the attribute @ism:classification [U] Then the element can't have any @ism:nonICMarkings.
<a href="#">ISM-ID-00330</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS-P], then attribute @ism:classification must have a value of [TS], or [S].
<a href="#">ISM-ID-00332</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS-O], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00335</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS-O], then attribute @ism:disseminationControls must contain the name token [OC].
<a href="#">ISM-ID-00336</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains a token matching [HCS-P-XXXXXX], where X is represented by the regular expression character class [A-Z0-9]{1,6}, then attribute @ism:disseminationControls must contain the name token [OC].
<a href="#">ISM-ID-00341</a>	[Error] If ISM_USGOV_RESOURCE and @ism:SCIcontrols contains a token matching [SI-G] or [SI-G-XXXX], then @ism:disseminationControls cannot contain [OC-USGOV].
<a href="#">ISM-ID-00345</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the value [EYES], @ism:releasableTo must only contain the token values of [USA], [AUS], [CAN], [GBR] or [NZL].
<a href="#">ISM-ID-00346</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:nonICmarkings contains the name token [DS], then attribute @ism:classification must have a value of [U].
<a href="#">ISM-ID-00349</a>	[Error] If ISM_USGOV_RESOURCE, PROPIN information (i.e. @ism:disseminationControls of the resource node contains [PR]) requires PROPIN NTK metadata.
<a href="#">ISM-ID-00350</a>	[Error] Exclusive Distribution information (i.e. @ism:nonICmarkings of the resource node contains [XD]) requires XD profile NTK metadata.
<a href="#">ISM-ID-00351</a>	[Error] No Distribution information (i.e. @ism:nonICmarkings of the resource node contains [ND]) requires ND profile NTK metadata.

Schematron Phase BANNER	
Rule Id	Rule
<a href="#">ISM-ID-00352</a>	[Error] Banner or portion that contributes to roll-up must contain [PR] if PROPIN NTK metadata exists.
<a href="#">ISM-ID-00353</a>	[Error] Banner or portion that contributes to roll-up must contain [OC] if ORCON NTK metadata exists.
<a href="#">ISM-ID-00354</a>	[Error] The banner or a portion that contributes to roll-up must contain [XD] if EXDIS NTK metadata exists.
<a href="#">ISM-ID-00355</a>	[Error] The banner or a portion that contributes to roll-up must contain [ND] if NODIS NTK metadata exists.
<a href="#">ISM-ID-00356</a>	[Error] USA documents containing SSI data must have a non-external SSI notice.
<a href="#">ISM-ID-00361</a>	[Error] All @ism:hasApproximateMarkings attributes must be of type Boolean.
<a href="#">ISM-ID-00362</a>	[Error] HCS-P-subs cannot be used with OC-USGOV.
<a href="#">ISM-ID-00363</a>	[Error] HCS-O cannot be used with OC-USGOV.
<a href="#">ISM-ID-00364</a>	[Error] If an ISM_USGOV_RESOURCE has a value in @ism:compilationReason and @ism:noAggregation is present, @ism:noAggregation must be false.
<a href="#">ISM-ID-00365</a>	[Error] All @ism:noAggregation attributes must be of type Boolean.
<a href="#">ISM-ID-00367</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:derivedFrom is specified, then attribute @ism:classifiedBy must not be specified.
<a href="#">ISM-ID-00368</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [TK-BLFH], then attribute @ism:classification must have a value of [TS].
<a href="#">ISM-ID-00369</a>	[Error] If ISM_USGOV_RESOURCE and @ism:attribute SCIcontrols contains the name token [TK-BLFH], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00370</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [TK-IDIT], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00371</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [TK-KAND], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00372</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:nonICmarkings contains the name token [LES-NF] or [SBU-NF], then attribute @ism:disseminationControls must not contain the name token [NF], [REL], [EYES], [RELIDO], or [DISPLAYONLY].
<a href="#">ISM-ID-00379</a>	[Error] All ISM @ism:declassDate attributes must be a Date without a timezone.
<a href="#">ISM-ID-00380</a>	[Error] All ISM @ism:noticeDate attributes must be a Date without a timezone.

Schematron Phase BANNER	
Rule Id	Rule
<a href="#">ISM-ID-00384</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [RS] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [RSEN, IMCON_RSEN] and does not have attribute @ism:externalNotice with a value of [true]
<a href="#">ISM-ID-00385</a>	[Error] Attribute @ism:declassEvent requires use of attribute @ism:declassDate.
<a href="#">ISM-ID-00386</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute SCIcontrols containing TK compartments AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [GEOCAP] and does not have attribute externalNotice with a value of [true]
<a href="#">ISM-ID-00387</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:SCIcontrols containing TK compartments AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [GEOCAP] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00388</a>	[Error] If ISM_USGOV_RESOURCE and @ism:attribute SCIcontrols contains a token matching containing a "-" then it must also contain the token before the "-". This is to ensure all compartments specify the control system and all subcompartments specify the compartment.
<a href="#">ISM-ID-00391</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [RAWFISA] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [RAWFISA] and does not have attribute @ism:externalNotice with a value of [true]
<a href="#">ISM-ID-00393</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [RAWFISA], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00396</a>	[Warning] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [KLM], then [KLM] SHOULD contain [NF]; ensure you have proper release authority from the KLM program.
<a href="#">ISM-ID-00397</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains a name token that complies with the pattern [KLM-] followed by any alphanumeric string, then attribute @ism:disseminationControls must contain the name token [OC], except for the [KLM-R] compartment which does not require [OC].

Schematron Phase BANNER	
Rule Id	Rule
<a href="#">ISM-ID-00398</a>	[Error] If ISM_USGOV_RESOURCE and @ism:attribute SCIcontrols contains a name token that complies with the pattern [KLM-X-Y], where X and Y are any alphanumeric strings of any length, then attribute @ism:disseminationControls must contain the name token [OC].
<a href="#">ISM-ID-00459</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS-X], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00460</a>	[Error] If 1. Any attribute @ism:noticeType contains [ITAR-EAR] AND 2. Attribute @ism:noticeType of ISM_RESOURCE_ELEMENT contains [DoD-Dist-A]
<a href="#">ISM-ID-00473</a>	[Error] If ISM_USGOV_RESOURCE, PROPIN information (i.e. @ism:disseminationControls of the resource node contains [PR]) requires explicit Foreign Disclosure & Release (FD&R) markings ([REL], [RELIDO], [NF], [DISPLAYONLY] or [EYES]).
<a href="#">ISM-ID-00487</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:cuiSpecified containing [FISA] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [FISA] and does not have attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00491</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:cuiSpecified containing [SSI] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [SSI] and does not have attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00494</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, then if the document contains a PROPIN CUI Category marking (either Basic or Specified), then the document MUST have PROPIN_NTK metadata.
<a href="#">ISM-ID-00495</a>	[Error] If @ism:compliesWith="USA-CUI-ONLY" then attributes @ism:classification and @ism:ownerProducer must not be specified.
<a href="#">ISM-ID-00496</a>	[Error] If @ism:compliesWith contains "USA-CUI-ONLY", then there cannot be any other tokens in @ism:compliesWith.
<a href="#">ISM-ID-00497</a>	[Error] If a document contains either @ism:cuiBasic or @ism:cuiSpecified, then the document must contain @ism:cuiControlledBy.
<a href="#">ISM-ID-00498</a>	[Error] If a document contains @ism:cuiControlledBy, then it must contain at least one of @ism:cuiBasic or @ism:cuiSpecified.
<a href="#">ISM-ID-00499</a>	[Error] If a document has @ism:complieswith="USA-CUI" or "USA-CUI-ONLY", then it must contain @ism:cuiControlledBy.

Schematron Phase BANNER	
Rule Id	Rule
<a href="#">ISM-ID-00500</a>	[Error] If a document has @ism:cuiControlledBy, then it must have ism:complieswith="USA-CUI" or "USA-CUI-ONLY".
<a href="#">ISM-ID-00501</a>	[Error] If a document has either or both of @ism:cuiDecontrolDate or @ism:cuiDecontrolEvent, then it must have @ism:complieswith="USA-CUI" or "USA-CUI-ONLY".
<a href="#">ISM-ID-00505</a>	[Error] All @ism:cuiBasic values must be defined in CVEnum-ISMCUIBasic.xml.
<a href="#">ISM-ID-00506</a>	[Error] All @ism:cuiSpecified values must be defined in CVEnum-ISMCUISpecified.xml.
<a href="#">ISM-ID-00507</a>	[Error] If (ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE) and attribute @ism:disseminationControls contains one or more of the name tokens [AC] or [AWP], then attribute @ism:cuiBasic must contain the name token [PRIVILEGE].
<a href="#">ISM-ID-00512</a>	[Error] If ISM_USGOV_RESOURCE or ISM_USCUIONLY_RESOURCE, and attribute @ism:secondBannerLine contains the name token [HVCO], then attribute @ism:handleViaChannels must be specified.
<a href="#">ISM-ID-00513</a>	[Error] If ISM_USGOV_RESOURCE or ISM_USCUIONLY_RESOURCE, and attribute @ism:handleViaChannels is specified, then @ism:secondBannerLine MUST contain the name token [HVCO].
<a href="#">ISM-ID-00514</a>	[Warning] Attribute @ism:secondBannerLine should not contain any values which will be deprecated.
<a href="#">ISM-ID-00515</a>	[Error] Attribute @ism:secondBannerLine must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00516</a>	[Error] All @ism:secondBannerLine attributes must be of type NmTokens.
<a href="#">ISM-ID-00517</a>	[Error] All @ism:secondBannerLine values must be defined in CVEnum-ISMSecondBannerLine.xml.
<a href="#">ISM-ID-00522</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:highWaterNATO attribute exists on a banner or portion, then @ism:FGIsourceOpen contains [NATO] or @ism:ownerProducer contains [NATO] or @ism:FGIsourceProtected contains [FGI].
<a href="#">ISM-ID-00523</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:FGIsourceOpen attribute contains [NATO] on a banner or portion, then a requirement exists that @ism:highWaterNATO also exists, otherwise the NATO data classification cannot be determined.
<a href="#">ISM-ID-00524</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:highWaterNATO attribute exists on a banner or portion, then @ism:ownerProducer cannot be equal to 'NATO'.

Schematron Phase BANNER	
Rule Id	Rule
<a href="#">ISM-ID-00525</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:highWaterNATO attribute exists on a banner or portion, then @ism:highWaterNATO cannot be higher than @ism:classification.
<a href="#">ISM-ID-00526</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:ownerProducer attribute contains multiple values on a banner or portion, one being NATO, then a requirement exists that @ism:highWaterNATO also exists, otherwise the NATO data classification cannot be determined.
<a href="#">ISM-ID-00528</a>	[Error] If ISM_USGOV_RESOURCE and if @ism:disseminationControls contains the token [EXEMPT_FROM_ICD501_DISCOVERY] for portions that contribute to rollup then [EXEMPT_FROM_ICD501_DISCOVERY] must also be specified in the @ism:disseminationControls attribute on the ISM_RESOURCE_ELEMENT.
<a href="#">ISM-ID-00529</a>	[Error] All tokens in the @ism:SARIdentifier attribute MUST conform to the regex <code>^SAR-[A-Z]{3,}:(C S TS):{0,1}[A-Za-z0-9._-]{1,}\$</code> .
<a href="#">ISM-ID-00531</a>	[Error] All resource elements with SAR markings that contain @ism:compliesWith="USGov USDOD USIC" MUST contain only one token in @ism:SARIdentifier.
<a href="#">ISM-ID-00532</a>	[Error] For all elements with @ism:SARIdentifier with tokens that include classification portion marks (e.g., DOD:TS:aaaa or DOD:C:bbbb), the value of the classification portion mark cannot be higher than @ism:classification on the same element.
<a href="#">ISM-ID-00533</a>	[Error] All resource elements with three or more @ism:SARIdentifier tokens will result in an error when @ism:compliesWith are both DoD and IC.
<a href="#">ISM-ID-00534</a>	[Error] All elements with @ism:SARIdentifier token(s) containing a dash (-) (excluding the SAR- prefix) will result in an error when @ism:compliesWith are both DoD and IC. DoD and IC rules differ on how to render SAP markings containing dashes; therefore, it is not allowed to have SAPs with dashes in a document that complies with both DoD and IC rules.
<a href="#">ISM-ID-00535</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [WAIVED], then attribute @ism:compliesWith must contain [USDOD].
<a href="#">ISM-ID-00463</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [BUR], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00464</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [RSV], then attribute @ism:disseminationControls must contain the name token [NF].

Schematron Phase BANNER	
Rule Id	Rule
<a href="#">ISM-ID-00465</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [BUR], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00466</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [KLM], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00467</a>	[Warning] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains one of the name tokens [RD] or [FRD], then [RD] and [FRD] SHOULD contain [NF]. In order to release [RD] or [FRD] data to a foreign partner, ensure you have established a sharing agreement per the AEA.
<a href="#">ISM-ID-00468</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains a token starting with [KLM-R], then attribute @ism:classification must have a value of [TS].
<a href="#">ISM-ID-00469</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains a token starting with [KLM-R], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00470</a>	[Error] If ISM_USGOV_RESOURCE and @ism:SClcontrols contains a token matching [KLM-R-XXX], then @ism:disseminationControls cannot contain [OC-USGOV].
<a href="#">ISM-ID-00471</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains a name token starting with [KLM-R-], then attribute @ism:disseminationControls must contain the name token [OC].
<a href="#">ISM-ID-00472</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [MVL], then attribute @ism:classification must have a value of [TS].
<a href="#">ISM-ID-00474</a>	[Warning] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [HCS], then attribute @ism:SClcontrols MUST include one of the tokens [HCS-O], [HCS-P] or [HCS-X].
<a href="#">ISM-ID-00476</a>	[Error] If @ism:compliesWith="USA-CUI-ONLY" then attributes @ism:SClcontrols, @ism:SARIdentifier, @ism:atomicEnergyMarkings, @ism:FGIsourcesOpen and @ism:FGIsourcesProtected must not be specified.
<a href="#">ISM-ID-00478</a>	[Error] If the document has @ism:compliesWith containing the token [USA-CUI], then @ism:compliesWith cannot contain [USIC], because CUI has not yet been implemented in the IC.
<a href="#">ISM-ID-00479</a>	[Error] If @ism:compliesWith contains "USA-CUI" then there MUST be some other token in ism:compliesWith.
<a href="#">ISM-ID-00480</a>	[Warning] Attribute @ism:cuiBasic should not contain any values which will be deprecated.

Schematron Phase BANNER	
Rule Id	Rule
<a href="#">ISM-ID-00481</a>	[Warning] Attribute @ism:cuiSpecified should not contain any values which will be deprecated.
<a href="#">ISM-ID-00482</a>	[Error] Attribute @ism:cuiBasic must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00483</a>	[Error] Attribute @ism:cuiSpecified must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00484</a>	[Error] All @ism:cuiBasic attributes must be of type NmTokens.
<a href="#">ISM-ID-00485</a>	[Error] All @ism:cuiSpecified attributes must be of type NmTokens.
<a href="#">ISM-ID-00486</a>	[Error] If ISM_USCUIONLY_RESOURCE or ISM_USCUI_RESOURCE then attribute @ism:nonICmarkings must not be specified.
<a href="#">ISM-ID-00381</a>	[Error] 1. @ism:compliesWith of resource element contains USIC or USDOD 2. @ism:compliesWith must also contain USGov
<a href="#">ISM-ID-00382</a>	[Error] For all elements with single-valued @ism:ownerProducer, @ism:joint must NOT be true.
<a href="#">ISM-ID-00383</a>	[Error] For elements with @ism:joint set to true, one of the values of @ism:ownerProducer must be USA.
<a href="#">ISM-ID-00453</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains a token matching [HCS-P-XXXXXX], where X is represented by the regular expression character class [A-Z0-9]{1,6}, then attribute @ism:classification must have a value of [TS].
<a href="#">ISM-ID-00118</a>	[Error] The first element in document order having @ism:resourceElement specified with a value of [true] must have @ism:createDate specified.
<a href="#">ISM-ID-00194</a>	[Warning] Attribute @ism:noticeType should not contain any values which will be deprecated.
<a href="#">ISM-ID-00195</a>	[Error] Attribute @ism:noticeType must NOT contain values which have passed their deprecation date.
<a href="#">ISM-ID-00248</a>	[Error] ISM_RESOURCE_ELEMENT cannot have @ism:externalNotice set to [true].
<a href="#">ISM-ID-00337</a>	[Error] The first element in document order having @ism:resourceElement specified with a value of [true] must have @ism:compliesWith specified.
<a href="#">ISM-ID-00339</a>	[Error] 1. @ism:ownerProducer of resource element contains USA 2. @ism:compliesWith does not contain USGov
<a href="#">ISM-ID-00358</a>	[Error] A document using tetragraphs may not have a releasableTo that is less restrictive than that of any tetragraph or organization tokens used in the releasableTo fields.
<a href="#">ISM-ID-00359</a>	[Error] The classification of a tetragraph may not be greater than the classification of the document.

Schematron Phase BANNER	
Rule Id	Rule
<a href="#">ISM-ID-00360</a>	[Error] An UNCLASSIFIED//FOUO tetragraph may not be used in a UNCLASSIFIED document that is not also FOUO.
<a href="#">ISM-ID-00377</a>	[Error] All @ism:ownerProducer values in a JOINT document must be in the @ism:releasableTo attribute.

## Chapter 5 - Schematron Phase PORTION

### Rules in Phase

Schematron Phase PORTION	
Rule Id	Rule
<a href="#">ISM-ID-00157</a>	[Error] If ISM_USDOD_RESOURCE and: 1. The attribute notice contains one of the [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], or [DoD-Dist-E] AND 2. The attribute @ism:noticeReason is not specified.
<a href="#">ISM-ID-00161</a>	[Error] If the document is an 1. ISM_USDOD_RESOURCE AND 2. the attribute @ism:noticeType of ISM_RESOURCE_ELEMENT contains [DoD-Dist-A] AND 3. no portions in the document have their attribute @ism:excludeFromRollup set to [true] THEN there must not be any attribute @ism:nonICmarkings present.
<a href="#">ISM-ID-00237</a>	[Error] If ISM_USDOD_RESOURCE, any element which specifies attribute @ism:noticeType containing one of the tokens [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F] must also specify attribute @ism:noticeDate.
<a href="#">ISM-ID-00238</a>	[Error] If ISM_USDOD_RESOURCE, if any element specifies attribute @ism:noticeType containing one of the tokens [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F] then an element in the document must specify attribute @ism:pocType with the same value as attribute @ism:noticeType.
<a href="#">ISM-ID-00016</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification has a value of [U], then attributes @ism:classificationReason, @ism:classifiedBy, @ism:derivativelyClassifiedBy, @ism:declassDate, @ism:declassEvent, @ism:declassException, @ism:derivedFrom, @ism:SARIdentifier, or @ism:SClcontrols must not be specified.
<a href="#">ISM-ID-00017</a>	[Error] If ISM_NSI_EO_APPLIES and attribute @ism:classifiedBy is specified, then attribute @ism:classificationReason must be specified.
<a href="#">ISM-ID-00028</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [OC] or [EYES], then attribute @ism:classification must have a value of [TS], [S], or [C].
<a href="#">ISM-ID-00030</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [FOUO], then attribute @ism:classification must have a value of [U].
<a href="#">ISM-ID-00031</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [REL] or [EYES], then attribute @ism:releasableTo must be specified.
<a href="#">ISM-ID-00032</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls is not specified, or is specified and does not contain the name token [REL] or [EYES], then attribute @ism:releasableTo must not be specified.

Schematron Phase PORTION	
Rule Id	Rule
<a href="#">ISM-ID-00033</a>	[Error] If ISM_USGOV_RESOURCE, then tokens [REL], [EYES] and [NF] are mutually exclusive for attribute @ism:disseminationControls.
<a href="#">ISM-ID-00038</a>	[Error] If ISM_USGOV_RESOURCE, then the tokens [XD], [ND], [SBU], and [SBU-NF] are mutually exclusive for attribute @ism:nonICmarkings.
<a href="#">ISM-ID-00040</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:ownerProducer contains [USA] then attribute @ism:classification must have a value in CVEnumISMClassificationUS.xml.
<a href="#">ISM-ID-00043</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [SI], then attribute @ism:classification must have a value of [TS], [S], or [C].
<a href="#">ISM-ID-00044</a>	[Error] If the document is an ISM_USGOV_RESOURCE and the attribute @ism:SClcontrols contain a name token with [SI-G], then the attribute @ism:classification must have a value of [TS].
<a href="#">ISM-ID-00045</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains a name token starting with [SI-G], then attribute @ism:disseminationControls must contain the name token [OC].
<a href="#">ISM-ID-00047</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [TK], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00048</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [HCS], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00049</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [HCS], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00097</a>	[Warning] If ISM_USGOV_RESOURCE and attribute @ism:FGIsourceProtected is specified with a value other than [FGI] then the value(s) must not be discoverable in IC shared spaces.
<a href="#">ISM-ID-00099</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:ownerProducer contains the token [FGI], then the token [FGI] must be the only value in attribute @ism:ownerProducer.
<a href="#">ISM-ID-00107</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [IMC] then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00124</a>	[Warning] If ISM_USGOV_RESOURCE and 1. Attribute @ism:ownerProducer does not contain [USA]. AND 2. Attribute @ism:disseminationControls contains [RELIDO]

Schematron Phase PORTION	
Rule Id	Rule
<a href="#">ISM-ID-00127</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [RD] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [RD] and does not have attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00128</a>	[Error] USA documents containing FRD data must have a non-external FRD notice unless the document contains RD in the banner.
<a href="#">ISM-ID-00129</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [IMC] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [IMC, IMCON_RSEN] and does not have attribute @ism:externalNotice with a value of [true]
<a href="#">ISM-ID-00130</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [FISA] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [FISA] and does not have attribute @ism:externalNotice with a value of [true]
<a href="#">ISM-ID-00133</a>	[Error] If ISM_NSI_EO_APPLIES and attribute @ism:declassException is specified and contains the tokens [25X1-EO-12951], [50X1-HUM], [50X2-WMD], [NATO], [AEA] or [NATO-AEA] then attribute @ism:declassDate or @ism:declassEvent must NOT be specified.
<a href="#">ISM-ID-00134</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [DS] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [DS] and does not have attribute @ism:externalNotice with a value of [true]
<a href="#">ISM-ID-00135</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [RD] AND 2. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [RD] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00136</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:atomicEnergyMarkings containing [FRD] AND 2. Any element without ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [FRD] and does not specify attribute @ism:externalNotice with a value of [true].

Schematron Phase PORTION	
Rule Id	Rule
<a href="#">ISM-ID-00138</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute nonICmarkings containing [DS] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute noticeType containing [DS] and does not specify attribute @ism:externalNotice with a value of [true]. AND 3. \$ISM_RESOURCE_ELEMENT is unclassified.
<a href="#">ISM-ID-00139</a>	[Error] If ISM_USGOV_RESOURCE, and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @disseminationControls containing [FISA] OR the attribute @ism:cuiSpecified containing [FISA] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute noticeType containing [FISA] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00143</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:derivativelyClassifiedBy is specified, then attribute @ism:derivedFrom must be specified.
<a href="#">ISM-ID-00148</a>	[Error] If ISM_USGOV_RESOURCE, then Name tokens [LES] and [LES-NF] are mutually exclusive for attribute @ism:nonICmarkings.
<a href="#">ISM-ID-00150</a>	[Error] If (ISM_USGOV_RESOURCE or ISM_USCUIONLY_RESOURCE) and: 1. Any element, other than ISM_RESOURCE_ELEMENT, meeting ISM_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [LES] or the attribute @ism:cuiBasic containing [LEI] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [LES]
<a href="#">ISM-ID-00151</a>	[Warning] If ISM_USGOV_RESOURCE or ISM_USCUIONLY_RESOURCE, and: 1. No element without @ism:excludeFromRollup=true() in the document has either the attribute @ism:nonICmarkings containing [LES] or the attribute @ism:cuiBasic containing [LEI] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [LES] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00152</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [LES-NF] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [LES-NF] and does not have attribute @ism:externalNotice with a value of [true].

Schematron Phase PORTION	
Rule Id	Rule
<a href="#">ISM-ID-00153</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:nonICmarkings containing [LES-NF] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [LES-NF]. and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00159</a>	[Error] If ISM_USGOV_RESOURCE and: 1. attribute @ism:classification of ISM_RESOURCE_ELEMENT is not [U] AND 2. The attribute @ism:noticeType does contain [DoD-Dist-A] or has attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00164</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [RS], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00166</a>	[Warning] Attribute @ism:classification should not contain any value which will be deprecated.
<a href="#">ISM-ID-00168</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls is not specified or is specified and does not contain the name token [DISPLAYONLY], then attribute @ism:displayOnlyTo must not be specified.
<a href="#">ISM-ID-00169</a>	[Error] If ISM_USGOV_RESOURCE, then for attribute @ism:disseminationControls the name tokens [DISPLAYONLY], [RELIDO] and [NF] are mutually exclusive.
<a href="#">ISM-ID-00170</a>	[Error] Attribute @ism:classification must not contain any values which have passed their deprecation date.
<a href="#">ISM-ID-00173</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains a name token starting with [RD-SG] or [FRD-SG], then attribute @ism:classification must have a value of [S] or [TS].
<a href="#">ISM-ID-00174</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains the name token [RD], [FRD], or [TFNI], then attribute @ism:classification must have a value of [TS], [S], or [C].
<a href="#">ISM-ID-00175</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains the name token [RD-CNWDI], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00179</a>	[Warning] Attribute @ism:disseminationControls should not contain any values which will be deprecated.
<a href="#">ISM-ID-00180</a>	[Error] Attribute @ism:disseminationControls must not contain values which have passed their deprecation date.

Schematron Phase PORTION	
Rule Id	Rule
<a href="#">ISM-ID-00181</a>	[Error] If ISM_USGOV_RESOURCE and element's classification does not have a value of "U" then attribute @ism:atomicEnergyMarkings must not contain the name token [UCNI] or [DCNI].
<a href="#">ISM-ID-00183</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains a name token starting with [RD-SG], then it must also contain the name token [RD].
<a href="#">ISM-ID-00184</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains a name token starting with [FRD-SG], then it must also contain the name token [FRD].
<a href="#">ISM-ID-00185</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains the name token [RD-CNWDI], then it must also contain the name token [RD].
<a href="#">ISM-ID-00188</a>	[Warning] Attribute @ism:FGIsourceOpen should not contain any value which will be deprecated.
<a href="#">ISM-ID-00189</a>	[Error] Attribute @ism:FGIsourceOpen must not contain values that have passed their deprecation date.
<a href="#">ISM-ID-00190</a>	[Warning] Attribute @ism:FGIsourceProtected should not contain any values which will be deprecated.
<a href="#">ISM-ID-00191</a>	[Error] Attribute @ism:FGIsourceProtected must not contain any values which have passed their deprecation date.
<a href="#">ISM-ID-00192</a>	[Warning] Attribute @ism:nonICmarkings should not contain any values which will be deprecated.
<a href="#">ISM-ID-00193</a>	[Error] Attribute @ism:nonICmarkings must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00196</a>	[Warning] Attribute @ism:ownerProducer should not contain any values which will be deprecated.
<a href="#">ISM-ID-00197</a>	[Error] Attribute @ism:ownerProducer must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00198</a>	[Warning] Attribute @ism:releasableTo should not contain any values which will be deprecated.
<a href="#">ISM-ID-00199</a>	[Error] Attribute @ism:releasableTo must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00200</a>	[Warning] Attribute @ism:displayOnlyTo should not contain any values which will be deprecated.
<a href="#">ISM-ID-00201</a>	[Error] Attribute @ism:displayOnlyTo must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00202</a>	[Warning] Attribute @ism:SARIdentifier should not contain any values which will be deprecated.
<a href="#">ISM-ID-00203</a>	[Error] Attribute @ism:SARIdentifier must not contain values which have passed their deprecation date.

Schematron Phase PORTION	
Rule Id	Rule
<a href="#">ISM-ID-00204</a>	[Warning] Attribute @ism:SCIcontrols should not contain any values which will be deprecated.
<a href="#">ISM-ID-00205</a>	[Error] Attribute @ism:SCIcontrols must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00206</a>	[Warning] Attribute @ism:declassException should not contain any values which will be deprecated.
<a href="#">ISM-ID-00207</a>	[Error] Attribute @ism:declassException must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00208</a>	[Warning] Attribute @ism:atomicEnergyMarkings should not contain any values which will be deprecated.
<a href="#">ISM-ID-00209</a>	[Error] Attribute @ism:atomicEnergyMarkings must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00210</a>	[Warning] Attribute @ism:nonUSControls should not contain any values which will be deprecated.
<a href="#">ISM-ID-00211</a>	[Error] Attribute @ism:nonUSControls must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00213</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [DISPLAYONLY], then attribute @ism:displayOnlyTo must be specified.
<a href="#">ISM-ID-00214</a>	[Error] If ISM_USGOV_RESOURCE then attribute @ism:releasableTo must start with [USA].
<a href="#">ISM-ID-00217</a>	[Error] If ISM_USGOV_RESOURCE attribute @ism:FGIsourceProtected contains [FGI], it must be the only value.
<a href="#">ISM-ID-00221</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:derivativelyClassifiedBy is specified, then attributes @ism:classificationReason or @ism:classifiedBy must not be specified.
<a href="#">ISM-ID-00223</a>	[Error] If any elements in namespace urn:us:gov:ic:ism exist, the local name must exist in CVEnumISMElements.xml.
<a href="#">ISM-ID-00226</a>	[Error] Attributes @ism:noticeType and @ism:unregisteredNoticeType may not both be used on the same element.
<a href="#">ISM-ID-00242</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [RSV], then it must also have attribute @ism:classification with a value of [S] or [TS].
<a href="#">ISM-ID-00243</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [RSV], then it must also contain a compartment [RSV-XXX].

Schematron Phase PORTION	
Rule Id	Rule
<a href="#">ISM-ID-00244</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [RD-CNWDI] AND 2. No element meeting ISM_CONTRIBUTES in the document has @ism:noticeType containing [CNWDI]. that does not have attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00245</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:atomicEnergyMarkings containing [RD-CNWDI] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [CNWDI] and not the attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00250</a>	[Error] If ISM_USGOV_RESOURCE, element ism:Notice must specify attribute @ism:noticeType or @ism:unregisteredNoticeType.
<a href="#">ISM-ID-00253</a>	[Error] All @ism:atomicEnergyMarkings values must be defined in CVEnumISMAtomicEnergyMarkings.xml.
<a href="#">ISM-ID-00254</a>	[Error] All @ism:classification values must be a defined in CVEnum-ISMClassificationAll.xml.
<a href="#">ISM-ID-00255</a>	[Error] All @ism:exemptFrom values must be defined in CVEnum-ISMExemptFrom.xml.
<a href="#">ISM-ID-00256</a>	[Error] All @ism:declassException values must be defined in CVEnum-ISM25X.xml.
<a href="#">ISM-ID-00257</a>	[Error] All @ism:displayOnlyTo values must be defined in CVEnum-ISMRelTo.xml.
<a href="#">ISM-ID-00258</a>	[Error] All @ism:disseminationControls values must be a defined in CVEnumISMDissem.xml.
<a href="#">ISM-ID-00259</a>	[Error] All @ism:FGIsourceOpen values must be defined in CVEnum-ISMCAATFGIOpen.xml.
<a href="#">ISM-ID-00260</a>	[Error] All @ism:FGIsourceProtected values must be defined in CVEnumISMCAATFGIProtected.xml.
<a href="#">ISM-ID-00261</a>	[Error] All @ism:nonICmarkings values that contributes to rollup must be defined in CVEnumISMNonIC.xml. All non-ACCM @ism:nonICmarkings values that do not contribute to rollup must be defined in CVEnum-ISMNonIC.xml.
<a href="#">ISM-ID-00262</a>	[Error] Any @ism:nonUSControls values must be defined in CVEnum-ISMNonUSControls.xml.
<a href="#">ISM-ID-00263</a>	[Error] Any @ism:ownerProducer values must be defined in CVEnum-ISMCAATOwnerProducer.xml.
<a href="#">ISM-ID-00264</a>	[Error] Any @ism:pocType values must be defined in CVEnumISMPoc-Type.xml.

Schematron Phase PORTION	
Rule Id	Rule
<a href="#">ISM-ID-00265</a>	[Error] Any @ism:releasableTo must be a value in CVEnum-ISMRelTo.xml.
<a href="#">ISM-ID-00266</a>	[Error] Any @ism:SARIdentifier values that contributes to rollup must be defined in CVEnumISMSAR.xml.
<a href="#">ISM-ID-00267</a>	[Error] All @ism:SClcontrols values that contributes to rollup must be defined in CVEnumISMSClControls.xml
<a href="#">ISM-ID-00268</a>	[Error] All @ism:atomicEnergyMarkings attributes must be of type NmTokens.
<a href="#">ISM-ID-00269</a>	[Error] All @ism:classification attributes must be of type NmToken.
<a href="#">ISM-ID-00270</a>	[Error] All @ism:classificationReason attributes must be a string with 4096 characters or less.
<a href="#">ISM-ID-00271</a>	[Error] All @ism:classifiedBy attributes must be a string with less than 1024 characters.
<a href="#">ISM-ID-00275</a>	[Error] All @ism:declassDate attributes must be of type Date.
<a href="#">ISM-ID-00276</a>	[Error] All @ism:declassEvent attributes must be a string with less than 1024 characters.
<a href="#">ISM-ID-00277</a>	[Error] All @ism:declassException attributes must be of type NmTokens.
<a href="#">ISM-ID-00278</a>	[Error] All @ism:derivativelyClassifiedBy attributes must be a string with less than 1024 characters.
<a href="#">ISM-ID-00279</a>	[Error] All @ism:derivedFrom attributes must be a string with less than 1024 characters.
<a href="#">ISM-ID-00280</a>	[Error] All @ism:displayOnlyTo attributes must be of type NmTokens.
<a href="#">ISM-ID-00281</a>	[Error] All @ism:disseminationControls attributes must be of type NmTokens.
<a href="#">ISM-ID-00283</a>	[Error] All @ism:FGlsourceOpen attributes must be of type NmTokens.
<a href="#">ISM-ID-00284</a>	[Error] All @ism:FGlsourceProtected attributes must be of type NmTokens.
<a href="#">ISM-ID-00285</a>	[Error] All @ism:nonICmarkings attributes must be of type NmTokens.
<a href="#">ISM-ID-00286</a>	[Error] All @ism:nonUSControls attributes must be of type NmTokens.
<a href="#">ISM-ID-00287</a>	[Error] All @ism:noticeDate attributes must be of type Date.
<a href="#">ISM-ID-00288</a>	[Error] All @ism:noticeReason attributes must be a string with less than 2048 characters.
<a href="#">ISM-ID-00289</a>	[Error] All @ism:noticeType attributes must be of type NmTokens.
<a href="#">ISM-ID-00290</a>	[Error] All @ism:externalNotice attributes must be of type Boolean.
<a href="#">ISM-ID-00291</a>	[Error] All @ism:ownerProducer attributes must be of type NmTokens.
<a href="#">ISM-ID-00292</a>	[Error] All @ism:pocType attributes must be of type NmTokens.
<a href="#">ISM-ID-00293</a>	[Error] All @ism:releasableTo attributes must be of type NmTokens.

Schematron Phase PORTION	
Rule Id	Rule
<a href="#">ISM-ID-00295</a>	[Error] All @ism:SARIdentifier attributes must be of type NmTokens.
<a href="#">ISM-ID-00296</a>	[Error] All @ism:SCIcontrols attributes must be of type NmTokens.
<a href="#">ISM-ID-00297</a>	[Error] All @ism:unregisteredNoticeType attributes must be a string with less than 2048 characters.
<a href="#">ISM-ID-00299</a>	[Error] If an element contains the attribute @ism:declassException with a value of [AEA], it must also contain the attribute @ism:atomicEnergyMarkings.
<a href="#">ISM-ID-00302</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [OC-USGOV], then name token [OC] must be specified.
<a href="#">ISM-ID-00313</a>	[Error] If @ism:nonICmarkings contains the token [ND] then the attribute @ism:disseminationControls must contain [NF].
<a href="#">ISM-ID-00314</a>	[Error] If @ism:nonICmarkings contains the token [XD] then the attribute @ism:disseminationControls must contain [NF].
<a href="#">ISM-ID-00319</a>	[Error] If ISM_USGOV_RESOURCE and @ism:ownerProducer contains 'USA' and attribute @ism:releasableTo is specified, then @ism:releasableTo must contain more than a single token.
<a href="#">ISM-ID-00321</a>	[Error] If ISM_USGOV_RESOURCE, then tokens [RD], [FRD] and [TFNI] are mutually exclusive for attribute @ism:atomicEnergyMarkings.
<a href="#">ISM-ID-00325</a>	[Error] If ISM_USGOV_RESOURCE, then tokens [OC] and [RELIDO] are mutually exclusive for attribute @ism:disseminationControls.
<a href="#">ISM-ID-00327</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element in the document that has the attribute @ism:disseminationControls containing [FOUO] AND 2. Has the attribute @ism:classification [U] Then the element can only have the @ism:disseminationControls containing [REL], [RELIDO], [NF], [DISPLAYONLY], and [EYES].
<a href="#">ISM-ID-00328</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element in the document that has the attribute @ism:disseminationControls containing [FOUO] AND 2. Has the attribute @ism:classification [U] Then the element can't have any @ism:nonICMarkings.
<a href="#">ISM-ID-00330</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS-P], then attribute @ism:classification must have a value of [TS], or [S].
<a href="#">ISM-ID-00332</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS-O], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00335</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS-O], then attribute @ism:disseminationControls must contain the name token [OC].

Schematron Phase PORTION	
Rule Id	Rule
<a href="#">ISM-ID-00336</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains a token matching [HCS-P-XXXXXX], where X is represented by the regular expression character class [A-Z0-9]{1,6}, then attribute @ism:disseminationControls must contain the name token [OC].
<a href="#">ISM-ID-00341</a>	[Error] If ISM_USGOV_RESOURCE and @ism:SCIcontrols contains a token matching [SI-G] or [SI-G-XXXX], then @ism:disseminationControls cannot contain [OC-USGOV].
<a href="#">ISM-ID-00345</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the value [EYES], @ism:releasableTo must only contain the token values of [USA], [AUS], [CAN], [GBR] or [NZL].
<a href="#">ISM-ID-00346</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:nonICmarkings contains the name token [DS], then attribute @ism:classification must have a value of [U].
<a href="#">ISM-ID-00352</a>	[Error] Banner or portion that contributes to roll-up must contain [PR] if PROPIN NTK metadata exists.
<a href="#">ISM-ID-00353</a>	[Error] Banner or portion that contributes to roll-up must contain [OC] if ORCON NTK metadata exists.
<a href="#">ISM-ID-00354</a>	[Error] The banner or a portion that contributes to roll-up must contain [XD] if EXDIS NTK metadata exists.
<a href="#">ISM-ID-00355</a>	[Error] The banner or a portion that contributes to roll-up must contain [ND] if NODIS NTK metadata exists.
<a href="#">ISM-ID-00356</a>	[Error] USA documents containing SSI data must have a non-external SSI notice.
<a href="#">ISM-ID-00357</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [SSI] AND 2. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [SSI] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00361</a>	[Error] All @ism:hasApproximateMarkings attributes must be of type Boolean.
<a href="#">ISM-ID-00362</a>	[Error] HCS-P-subs cannot be used with OC-USGOV.
<a href="#">ISM-ID-00363</a>	[Error] HCS-O cannot be used with OC-USGOV.
<a href="#">ISM-ID-00368</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [TK-BLFH], then attribute @ism:classification must have a value of [TS].
<a href="#">ISM-ID-00369</a>	[Error] If ISM_USGOV_RESOURCE and @ism:attribute SCIcontrols contains the name token [TK-BLFH], then attribute @ism:disseminationControls must contain the name token [NF].

Schematron Phase PORTION	
Rule Id	Rule
<a href="#">ISM-ID-00370</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [TK-IDIT], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00371</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [TK-KAND], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00372</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:nonICmarkings contains the name token [LES-NF] or [SBU-NF], then attribute @ism:disseminationControls must not contain the name token [NF], [REL], [EYES], [RELIDO], or [DISPLAYONLY].
<a href="#">ISM-ID-00379</a>	[Error] All ISM @ism:declassDate attributes must be a Date without a timezone.
<a href="#">ISM-ID-00380</a>	[Error] All ISM @ism:noticeDate attributes must be a Date without a timezone.
<a href="#">ISM-ID-00384</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [RS] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [RSEN, IMCON_RSEN] and does not have attribute @ism:externalNotice with a value of [true]
<a href="#">ISM-ID-00385</a>	[Error] Attribute @ism:declassEvent requires use of attribute @ism:declassDate.
<a href="#">ISM-ID-00386</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute SCIcontrols containing TK compartments AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [GEOCAP] and does not have attribute externalNotice with a value of [true]
<a href="#">ISM-ID-00387</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:SCIcontrols containing TK compartments AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [GEOCAP] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00388</a>	[Error] If ISM_USGOV_RESOURCE and @ism:attribute SCIcontrols contains a token matching containing a "-" then it must also contain the token before the "-". This is to ensure all compartments specify the control system and all subcompartments specify the compartment.

Schematron Phase PORTION	
Rule Id	Rule
<a href="#">ISM-ID-00391</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [RAWFISA] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [RAWFISA] and does not have attribute @ism:externalNotice with a value of [true]
<a href="#">ISM-ID-00392</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:disseminationControls containing [RAWFISA] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [RAWFISA] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00393</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [RAWFISA], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00396</a>	[Warning] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [KLM], then [KLM] SHOULD contain [NF]; ensure you have proper release authority from the KLM program.
<a href="#">ISM-ID-00397</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains a name token that complies with the pattern [KLM-] followed by any alphanumeric string, then attribute @ism:disseminationControls must contain the name token [OC], except for the [KLM-R] compartment which does not require [OC].
<a href="#">ISM-ID-00398</a>	[Error] If ISM_USGOV_RESOURCE and @ism:attribute SCIcontrols contains a name token that complies with the pattern [KLM-X-Y], where X and Y are any alphanumeric strings of any length, then attribute @ism:disseminationControls must contain the name token [OC].
<a href="#">ISM-ID-00441</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:disseminationControls containing [RS] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [RSEN] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00442</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:disseminationControls containing [RS] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [IMCON_RSEN] and does not specify attribute @ism:externalNotice with a value of [true].

Schematron Phase PORTION	
Rule Id	Rule
<a href="#">ISM-ID-00443</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:disseminationControls containing [IMC] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [IMCON_RSEN] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00444</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:disseminationControls containing [IMC] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [IMC] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00459</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS-X], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00462</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification is [U], then attribute @ism:nonICmarkings must not contain a name token that starts with ACCM.
<a href="#">ISM-ID-00473</a>	[Error] If ISM_USGOV_RESOURCE, PROPIN information (i.e. @ism:disseminationControls of the resource node contains [PR]) requires explicit Foreign Disclosure & Release (FD&R) markings ([REL], [RELIDO], [NF], [DISPLAYONLY] or [EYES]).
<a href="#">ISM-ID-00487</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:cuiSpecified containing [FISA] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [FISA] and does not have attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00488</a>	[Error] If ISM_USCUIONLY_RESOURCE, and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:cuiSpecified containing [FISA] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [FISA] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00491</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:cuiSpecified containing [SSI] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [SSI] and does not have attribute @ism:externalNotice with a value of [true].

Schematron Phase PORTION	
Rule Id	Rule
<a href="#">ISM-ID-00492</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:cuiSpecified containing [SSI] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [SSI] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00495</a>	[Error] If @ism:compliesWith="USA-CUI-ONLY" then attributes @ism:classification and @ism:ownerProducer must not be specified.
<a href="#">ISM-ID-00505</a>	[Error] All @ism:cuiBasic values must be defined in CVEnum-ISMCUIBasic.xml.
<a href="#">ISM-ID-00506</a>	[Error] All @ism:cuiSpecified values must be defined in CVEnum-ISMCUISpecified.xml.
<a href="#">ISM-ID-00507</a>	[Error] If (ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE) and attribute @ism:disseminationControls contains one or more of the name tokens [AC] or [AWP], then attribute @ism:cuiBasic must contain the name token [PRIVILEGE].
<a href="#">ISM-ID-00518</a>	[Error] For ism:Notice or ism:NoticeExternal, if @ism:noticeProseID is present then ism:NoticeText is prohibited.
<a href="#">ISM-ID-00519</a>	[Error] For ism:Notice or ism:NoticeExternal, if @ism:noticeProseID is absent then ism:NoticeText is required.
<a href="#">ISM-ID-00522</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:highWaterNATO attribute exists on a banner or portion, then @ism:FGIsourceOpen contains [NATO] or @ism:ownerProducer contains [NATO] or @ism:FGIsourceProtected contains [FGI].
<a href="#">ISM-ID-00523</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:FGIsourceOpen attribute contains [NATO] on a banner or portion, then a requirement exists that @ism:highWaterNATO also exists, otherwise the NATO data classification cannot be determined.
<a href="#">ISM-ID-00524</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:highWaterNATO attribute exists on a banner or portion, then @ism:ownerProducer cannot be equal to 'NATO'.
<a href="#">ISM-ID-00525</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:highWaterNATO attribute exists on a banner or portion, then @ism:highWaterNATO cannot be higher than @ism:classification.
<a href="#">ISM-ID-00526</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:ownerProducer attribute contains multiple values on a banner or portion, one being NATO, then a requirement exists that @ism:highWaterNATO also exists, otherwise the NATO data classification cannot be determined.

Schematron Phase PORTION	
Rule Id	Rule
<a href="#">ISM-ID-00532</a>	[Error] For all elements with @ism:SARIdentifier with tokens that include classification portion marks (e.g., DOD:TS:aaaa or DOD:C:bbbb), the value of the classification portion mark cannot be higher than @ism:classification on the same element.
<a href="#">ISM-ID-00535</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [WAIVED], then attribute @ism:compliesWith must contain [USDOD].
<a href="#">ISM-ID-00463</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [BUR], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00464</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [RSV], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00465</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [BUR], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00466</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [KLM], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00467</a>	[Warning] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains one of the name tokens [RD] or [FRD], then [RD] and [FRD] SHOULD contain [NF]. In order to release [RD] or [FRD] data to a foreign partner, ensure you have established a sharing agreement per the AEA.
<a href="#">ISM-ID-00468</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains a token starting with [KLM-R], then attribute @ism:classification must have a value of [TS].
<a href="#">ISM-ID-00469</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains a token starting with [KLM-R], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00470</a>	[Error] If ISM_USGOV_RESOURCE and @ism:SClcontrols contains a token matching [KLM-R-XXX], then @ism:disseminationControls cannot contain [OC-USGOV].
<a href="#">ISM-ID-00471</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains a name token starting with [KLM-R-], then attribute @ism:disseminationControls must contain the name token [OC].
<a href="#">ISM-ID-00472</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [MVL], then attribute @ism:classification must have a value of [TS].

Schematron Phase PORTION	
Rule Id	Rule
<a href="#">ISM-ID-00474</a>	[Warning] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [HCS], then attribute @ism:SClcontrols MUST include one of the tokens [HCS-O], [HCS-P] or [HCS-X].
<a href="#">ISM-ID-00476</a>	[Error] If @ism:compliesWith="USA-CUI-ONLY" then attributes @ism:SClcontrols, @ism:SARIdentifier, @ism:atomicEnergyMarkings, @ism:FGIsourcesOpen and @ism:FGIsourcesProtected must not be specified.
<a href="#">ISM-ID-00480</a>	[Warning] Attribute @ism:cuiBasic should not contain any values which will be deprecated.
<a href="#">ISM-ID-00481</a>	[Warning] Attribute @ism:cuiSpecified should not contain any values which will be deprecated.
<a href="#">ISM-ID-00482</a>	[Error] Attribute @ism:cuiBasic must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00483</a>	[Error] Attribute @ism:cuiSpecified must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00484</a>	[Error] All @ism:cuiBasic attributes must be of type NmTokens.
<a href="#">ISM-ID-00485</a>	[Error] All @ism:cuiSpecified attributes must be of type NmTokens.
<a href="#">ISM-ID-00119</a>	[Error] If ISM_USIC_RESOURCE and 1. attribute @ism:classification is not [U] AND 2. not ISM_710_FDR_EXEMPT AND 3. attribute @ism:excludeFromRollup is not true AND 4. attribute @ism:disseminationControls must contain one or more of [DISPLAYONLY], [REL], [RELIDO], [EYES], or [NF].
<a href="#">ISM-ID-00225</a>	[Error] If subject to IC rules, then attribute @ism:nonICmarkings must NOT be specified with a value containing any name token starting with [ACCM] or [NNPI].
<a href="#">ISM-ID-00251</a>	[Error] If ISM_USIC_RESOURCE, then attribute @ism:noticeType must not be specified with a value of [COMSEC].
<a href="#">ISM-ID-00382</a>	[Error] For all elements with single-valued @ism:ownerProducer, @ism:joint must NOT be true.
<a href="#">ISM-ID-00383</a>	[Error] For elements with @ism:joint set to true, one of the values of @ism:ownerProducer must be USA.
<a href="#">ISM-ID-00453</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains a token matching [HCS-P-XXXXXX], where X is represented by the regular expression character class [A-Z0-9]{1,6}, then attribute @ism:classification must have a value of [TS].
<a href="#">ISM-ID-00511</a>	[Error] arh:Security/@ism:resourceElement attribute must be true.
<a href="#">ISM-ID-00002</a>	[Error] For every attribute in the ISM namespace that is used in a document, a non-null value must be present.

Schematron Phase PORTION	
Rule Id	Rule
<a href="#">ISM-ID-00012</a>	[Error] If the document is not USA-CUI-ONLY, AND: 1. any of the attributes defined in this DES other than @ism:DESVersion, @ism:ISMCATCESVersion, @ism:unregisteredNoticeType, or @ism:pocType are specified for an element, OR 2. the current node is one of elements arh:Security, arh:ExternalSecurity, ntk:Access or ntk:AccessProfile, then attributes @ism:classification and @ism:ownerProducer must be specified for the element.
<a href="#">ISM-ID-00102</a>	[Error] The attribute @ism:DESVersion in the namespace urn:us:gov:ic:ism must be specified.
<a href="#">ISM-ID-00103</a>	[Error] At least one element must have attribute @ism:resourceElement specified with a value of [true].
<a href="#">ISM-ID-00163</a>	[Error] If attribute @ism:nonUSControls exists either 1. the attribute @ism:ownerProducer must equal [NATO] or a [NATO:NAC] OR 2. the attribute @ism:FGIsourceOpen must contain [NATO] or a [NATO:NAC] OR 3. the attribute @ism:FGIsourceProtected is used (This should only be the case when it is a resource level or super portion marking)
<a href="#">ISM-ID-00194</a>	[Warning] Attribute @ism:noticeType should not contain any values which will be deprecated.
<a href="#">ISM-ID-00195</a>	[Error] Attribute @ism:noticeType must NOT contain values which have passed their deprecation date.
<a href="#">ISM-ID-00376</a>	[Error] A portion using tetragraphs may not have a releasableTo that is less restrictive than the releasability of any tetragraph or organization tokens used in the same portion's releasableTo, displayOnlyTo, FGIsourceOpen, or FGIsourceProtected attributes. If a tetragraph XXXX in any of the attributes ownerProducer, releasableTo, displayOnlyTo, FGIsourceOpen, or FGIsourceProtected is itself marked as ism:releasableTo in the Tetragraph Taxonomy, then see if all the countries that the portion is releasableTo are also countries that the tetragraph XXXX is releasableTo. If not, error.
<a href="#">ISM-ID-00377</a>	[Error] All @ism:ownerProducer values in a JOINT document must be in the @ism:releasableTo attribute.

## Chapter 6 - Schematron Phase ROLLDOWN

### Rules in Phase

Schematron Phase ROLLDOWN	
Rule Id	Rule
<a href="#">ISM-ID-00239</a>	[Error] If ISM_USDOD_RESOURCE and attribute @ism:noticeType of ISM_RESOURCE_ELEMENT contains the token [DoD-Dist-A], then any element which contributes to rollup should not have an attribute @ism:disseminationControls present.
<a href="#">ISM-ID-00240</a>	[Error] If ISM_USDOD_RESOURCE and attribute @ism:noticeType of ISM_RESOURCE_ELEMENT contains the token [DoD-Dist-A], then any element which contributes to rollup should not have an attribute @ism:atomicEnergyMarkings present.
<a href="#">ISM-ID-00056</a>	[Error] If the document is an ISM_USGOV_RESOURCE and attribute @ism:classification of ISM_RESOURCE_ELEMENT has a value of [U] then no element meeting ISM_CONTRIBUTES in the document may have a @ism:classification attribute of [C], [S], [TS], or [R].
<a href="#">ISM-ID-00058</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification of ISM_RESOURCE_ELEMENT has a value of [C] then no element meeting ISM_CONTRIBUTES_USA in the document may have a @ism:classification attribute of [S] or [TS].
<a href="#">ISM-ID-00059</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification of ISM_RESOURCE_ELEMENT has a value of [S] then no element meeting ISM_CONTRIBUTES_USA in the document may have a @ism:classification attribute of [TS].
<a href="#">ISM-ID-00108</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification of ISM_RESOURCE_ELEMENT has a value of [TS] and attribute @ism:compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:classification attribute of [TS].
<a href="#">ISM-ID-00109</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification of ISM_RESOURCE_ELEMENT has a value of [S] and attribute @ism:compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:classification attribute of [S].
<a href="#">ISM-ID-00110</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification of ISM_RESOURCE_ELEMENT has a value of [C] and attribute @ism:compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a classification attribute of [C].
<a href="#">ISM-ID-00128</a>	[Error] USA documents containing FRD data must have a non-external FRD notice unless the document contains RD in the banner.

Schematron Phase ROLLDOWN	
Rule Id	Rule
<a href="#">ISM-ID-00132</a>	[Error] If ISM_USGOV_RESOURCE and the ISM_RESOURCE_ELEMENT has the attribute @ism:disseminationControls containing [RELIDO] then every element meeting ISM_CONTRIBUTES_CLASSIFIED in the document must have the attribute @ism:disseminationControls containing [RELIDO].
<a href="#">ISM-ID-00154</a>	[Error] If ISM_USGOV_RESOURCE and 1. Attribute @ism:disseminationControls of ISM_RESOURCE_ELEMENT contains [FOUO] AND 2. Attribute @ism:compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:disseminationControls attribute contain [FOUO].
<a href="#">ISM-ID-00219</a>	[Error] If element meets ISM_CONTRIBUTES and attribute @ism:ownerProducer contains the token [FGI], then attribute @ism:FGIsourceProtected must have a value containing the token [FGI].
<a href="#">ISM-ID-00228</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [FRD] then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:atomicEnergyMarking attribute containing [FRD].
<a href="#">ISM-ID-00229</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [RD] then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:atomicEnergyMarking attribute containing [RD].
<a href="#">ISM-ID-00230</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [FRD-SG-##] then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:atomicEnergyMarking attribute containing the same [FRD-SG-##].
<a href="#">ISM-ID-00231</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [RD-SG-##] then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:atomicEnergyMarking attribute containing the same [RD-SG-##].
<a href="#">ISM-ID-00252</a>	[Error] If ISM_RESOURCE_ELEMENT specifies the attribute @ism:disseminationControls with a value containing the token [RELIDO], then attribute @ism:nonICmarkings must not be specified with a value containing the token [NNPI].
<a href="#">ISM-ID-00303</a>	[Error] If ISM_USGOV_RESOURCE and the document contains attribute @ism:disseminationControls with name token [OC-USGOV] in the banner, then all [OC] portions must also contain [OC-USGOV].

Schematron Phase ROLLDOWN	
Rule Id	Rule
<a href="#">ISM-ID-00316</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:declassException of ISM_RESOURCE_ELEMENT contains [NATO] then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:ownerProducer attribute containing [NATO] or the resource level attribute @ism:FGIsourcesOpen must contain [NATO].
<a href="#">ISM-ID-00317</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:declassExemption of ISM_RESOURCE_ELEMENT contains [NATO-AEA] then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:ownerProducer attribute containing [NATO] and one portion containing @ism:atomicEnergyMarkings.
<a href="#">ISM-ID-00324</a>	[Error] If a document is ISM_USGOV_RESOURCE, it must contain portion markings.
<a href="#">ISM-ID-00344</a>	[Error] If ISM_USGOV_RESOURCE and there exists a token in @ism:SCIcontrols on the ISM_RESOURCE_ELEMENT and no compilation reason then the token must also be specified in the @ism:SCIcontrols attribute on at least one portion.
<a href="#">ISM-ID-00348</a>	[Error] If ISM_USGOV_RESOURCE and there exists a token in @ism:SARIdentifier on the ISM_RESOURCE_ELEMENT and no compilation reason then the token must also be specified in the @ism:SARIdentifier attribute on at least one portion.
<a href="#">ISM-ID-00374</a>	[Error] If ISM_USGOV_RESOURCE and @ism:nonICmarkings contains 'SSI' on the ISM_RESOURCE_ELEMENT with no compilation reason then the token 'SSI' must exist in an @ism:nonICmarkings attribute on at least one portion.
<a href="#">ISM-ID-00394</a>	[Error] If the ISM_RESOURCE_ELEMENT has the "RAWFISA" dissemination control and no compilation reason, then at least one portion must have the "RAWFISA" dissemination control.
<a href="#">ISM-ID-00504</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and there exists a token in @ism:cuiBasic on the ISM_RESOURCE_ELEMENT and no compilation reason, then the token must also be specified in the @ism:cuiBasic attribute on at least one portion.
<a href="#">ISM-ID-00475</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and there exists a token in @ism:cuiSpecified on the ISM_RESOURCE_ELEMENT and no compilation reason, then the token must also be specified in the @ism:cuiSpecified attribute on at least one portion.

## Chapter 7 - Schematron Phase ROLLUP

### Rules in Phase

Schematron Phase ROLLUP	
Rule Id	Rule
<a href="#">ISM-ID-00064</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:FGIsourceOpen containing any value then the ISM_RESOURCE_ELEMENT must have either @ism:FGIsourceOpen or @ism:FGIsourceProtected with a value.
<a href="#">ISM-ID-00065</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:FGIsourceProtected containing any value then the ISM_RESOURCE_ELEMENT must have @ism:FGIsourceProtected with a value.
<a href="#">ISM-ID-00066</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [FOUO] AND 2. ISM_RESOURCE_ELEMENT has the attribute @ism:classification [U] AND 3. No element meeting ISM_CONTRIBUTES in the document has @ism:nonICmarkings AND 4. Elements meeting ISM_CONTRIBUTES only contain dissemination controls [REL], [RELIDO],[NF], [DISPLAYONLY], [EYES], and [FOUO]. Then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [FOUO].
<a href="#">ISM-ID-00067</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [OC] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [OC].
<a href="#">ISM-ID-00068</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [IMC] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [IMC].
<a href="#">ISM-ID-00070</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [NF] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [NF].

Schematron Phase ROLLUP	
Rule Id	Rule
<a href="#">ISM-ID-00071</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [PR] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [PR].
<a href="#">ISM-ID-00072</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:atomicEnergyMarkings containing [RD] then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [RD].
<a href="#">ISM-ID-00073</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:atomicEnergyMarkings containing [RD-CNWDI] then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [RD-CNWDI].
<a href="#">ISM-ID-00074</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [RD-SG-##] then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [RD-SG-##]. ## represent digits 1 through 99 the ## must match.
<a href="#">ISM-ID-00075</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document having the attribute @ism:atomicEnergyMarkings containing [FRD] and no elements meeting ISM_CONTRIBUTES having the attribute @ism:atomicEnergyMarkings containing [RD], then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [FRD].
<a href="#">ISM-ID-00077</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [FRD-SG-##] and the ISM_RESOURCE_ELEMENT does not have @ism:atomicEnergyMarkings containing [RD], then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [FRD-SG-##]. ## represent digits 1 through 99 the ## must match.
<a href="#">ISM-ID-00078</a>	[Error] If ISM_USGOV_RESOURCE and the ISM_RESOURCE_ELEMENT node's classification has the value of [U] and any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [DCNI] then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [DCNI].

Schematron Phase ROLLUP	
Rule Id	Rule
<a href="#">ISM-ID-00079</a>	[Error] If ISM_USGOV_RESOURCE and ISM_RESOURCE_ELEMENT element's classification has the value of [U] and any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [UCNI] then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [UCNI].
<a href="#">ISM-ID-00080</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [DSEN] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [DSEN].
<a href="#">ISM-ID-00081</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [FISA] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [FISA].
<a href="#">ISM-ID-00084</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:nonICmarkings containing [DS] then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [DS].
<a href="#">ISM-ID-00085</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [XD] and does not have any element meeting ISM_CONTRIBUTES in the document having the attribute @ism:nonICmarkings containing [ND] then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [XD].
<a href="#">ISM-ID-00086</a>	[Error] If ISM_USGOV_RESOURCE and any element in the document: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:nonICmarkings containing [ND] Then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [ND].
<a href="#">ISM-ID-00087</a>	[Error] Classified USA documents having SBU-NF Data must have NF at the resource level.
<a href="#">ISM-ID-00088</a>	[Error] If ISM_USGOV_RESOURCE and @ism:releasableTo is specified on the resource element then all classified portions must specify @ism:releasableTo and all Unclass portions must be REL or contain no caveats.

Schematron Phase ROLLUP	
Rule Id	Rule
<a href="#">ISM-ID-00090</a>	[Error] If ISM_USGOV_RESOURCE and any element: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:disseminationControls containing [REL] Then the ISM_RESOURCE_ELEMENT must not have attribute @ism:disseminationControls containing [EYES].
<a href="#">ISM-ID-00104</a>	[Error] If the document is an ISM_USGOV_RESOURCE and any element in the document is: 1. Unclassified and meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:nonICmarkings containing [SBU-NF] AND 3. The ISM_RESOURCE_ELEMENT has attribute @ism:nonICmarkings does not contain [XD] or [ND] AND 4. The ISM_RESOURCE_ELEMENT has attribute @ism:disseminationControls does not contain [NF] Then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [SBU-NF].
<a href="#">ISM-ID-00105</a>	[Error] If the document is an ISM_USGOV_RESOURCE and any element in the document is: 1. Unclassified and meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:nonICmarkings containing [SBU] AND 3. No element meeting ISM_CONTRIBUTES in the document has @ism:nonICmarkings containing any of [SBU-NF], [XD], or [ND] Then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [SBU].
<a href="#">ISM-ID-00145</a>	[Error] If ISM_USGOV_RESOURCE and any element in the document: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:nonICmarkings containing [LES] AND 3. No element meeting ISM_CONTRIBUTES in the document has @ism:nonICmarkings containing any of [LES-NF] Then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [LES].
<a href="#">ISM-ID-00146</a>	[Error] If ISM_USGOV_RESOURCE and there exist at least 2 elements in the document: 1. Each element: Meets ISM_CONTRIBUTES AND 2. One of the elements: Has the attribute @ism:nonICmarkings containing [LES-NF] AND 3. One of the elements: meets ISM_CONTRIBUTES_CLASSIFIED Then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [NF].
<a href="#">ISM-ID-00147</a>	[Error] If ISM_USGOV_RESOURCE and there exist at least 2 elements in the document: 1. Each element: Meets ISM_CONTRIBUTES AND 2. One of the elements: Has the attribute @ism:nonICmarkings containing [LES-NF] AND 3. One of the elements: meets ISM_CONTRIBUTES_CLASSIFIED Then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [LES].

Schematron Phase ROLLUP	
Rule Id	Rule
<a href="#">ISM-ID-00149</a>	[Error] If the document is an ISM_USGOV_RESOURCE and: 1. Any element in the document meets ISM_CONTRIBUTES in the document has the attribute @ism:nonICmarkings contain [LES-NF] AND 2. ISM_RESOURCE_ELEMENT has the attribute @ism:classification [U] AND 3. ISM_RESOURCE_ELEMENT does not have the attribute @ism:disseminationControls [NF] THEN the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [LES-NF]
<a href="#">ISM-ID-00165</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [RS] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [RS].
<a href="#">ISM-ID-00176</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings has a name token containing [RD] or [FRD], then attributes @ism:declassDate and @ism:declassEvent cannot be specified on the resourceElement.
<a href="#">ISM-ID-00261</a>	[Error] All @ism:nonICmarkings values that contributes to rollup must be defined in CVEnumISMNonIC.xml. All non-ACCM @ism:nonICmarkings values that do not contribute to rollup must be defined in CVEnum-ISMNonIC.xml.
<a href="#">ISM-ID-00266</a>	[Error] Any @ism:SARIdentifier values that contributes to rollup must be defined in CVEnumISM SAR.xml.
<a href="#">ISM-ID-00267</a>	[Error] All @ism:SCIcontrols values that contributes to rollup must be defined in CVEnumISM SCIcontrols.xml
<a href="#">ISM-ID-00298</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document specifies attribute @ism:atomicEnergyMarkings with a value containing [TFNI] and no elements meeting ISM_CONTRIBUTES having the attribute @ism:atomicEnergyMarkings containing [RD] or [FRD], then the ISM_RESOURCE_ELEMENT must specify attribute @ism:atomicEnergyMarkings with a value containing [TFNI].
<a href="#">ISM-ID-00315</a>	[Error] If classified element meets ISM_CONTRIBUTES and attribute @ism:ownerProducer contains the token [NATO], then attribute @ism:declassException must be specified with a value of [NATO] or [NATO-AEA] on the resourceElement.
<a href="#">ISM-ID-00318</a>	[Error] Rollup compilation does not meet CAPCO guidance.
<a href="#">ISM-ID-00320</a>	[Error] If the ISM_RESOURCE_ELEMENT has the @ism:displayOnlyTo attribute specified, then the countries specified in the @ism:displayOnlyTo attribute MUST be the set of the common countries specified across all contributing portions UNLESS a compilation reason is specified in which case a subset of the common country set may be used.

Schematron Phase ROLLUP	
Rule Id	Rule
<a href="#">ISM-ID-00343</a>	[Error] If ISM_USGOV_RESOURCE and there exists a token in @ism:SClcontrols for portions that contribute to rollup, then they must also be specified in the @ism:SClcontrols attribute on the ISM_RESOURCE_ELEMENT.
<a href="#">ISM-ID-00347</a>	[Error] If ISM_USGOV_RESOURCE and if there exists a token in @ism:SARIdentifier for portions that contribute to rollup then they must also be specified in the @ism:SARIdentifier attribute on the ISM_RESOURCE_ELEMENT.
<a href="#">ISM-ID-00373</a>	[Error] If ISM_USGOV_RESOURCE and any element in the document: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:nonICmarkings containing [SSI] Then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [SSI].
<a href="#">ISM-ID-00389</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [RAWFISA] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [RAWFISA].
<a href="#">ISM-ID-00461</a>	[Error] If ISM_USDOD_RESOURCE and 1. not ISM_DOD_DISTRO_EXEMPT AND 2. Attribute @ism:noticeType of any portion that is not @ism:excludeFromRollup="true" contains [ITAR-EAR], then there must be @ism:noticeType=[ITAR-EAR] on the resource element.
<a href="#">ISM-ID-00502</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and there exists a token in @ism:cuiBasic for portions that contribute to rollup, then all such tokens must also be specified in the @ism:cuiBasic attribute on the ISM_RESOURCE_ELEMENT.
<a href="#">ISM-ID-00503</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and there exists a token in @ism:cuiSpecified for portions that contribute to rollup, then all such tokens must also be specified in the @ism:cuiSpecified attribute on the ISM_RESOURCE_ELEMENT.
<a href="#">ISM-ID-00521</a>	[Error] If ISM_USGOV_RESOURCE and any element: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:disseminationControls containing [REL] Then the ISM_RESOURCE_ELEMENT MUST have attribute @ism:disseminationControls containing either [REL], [DISPLAYONLY] or [NF].
<a href="#">ISM-ID-00528</a>	[Error] If ISM_USGOV_RESOURCE and if @ism:disseminationControls contains the token [EXEMPT_FROM_ICD501_DISCOVERY] for portions that contribute to rollup then [EXEMPT_FROM_ICD501_DISCOVERY] must also be specified in the @ism:disseminationControls attribute on the ISM_RESOURCE_ELEMENT.

## Chapter 8 - Schematron Phase TYPECHECK

### Rules in Phase

Schematron Phase TYPECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00268</a>	[Error] All @ism:atomicEnergyMarkings attributes must be of type NmTokens.
<a href="#">ISM-ID-00269</a>	[Error] All @ism:classification attributes must be of type NmToken.
<a href="#">ISM-ID-00270</a>	[Error] All @ism:classificationReason attributes must be a string with 4096 characters or less.
<a href="#">ISM-ID-00271</a>	[Error] All @ism:classifiedBy attributes must be a string with less than 1024 characters.
<a href="#">ISM-ID-00272</a>	[Error] All @ism:compilationReason attributes must be a string with less than 1024 characters.
<a href="#">ISM-ID-00273</a>	[Error] All @ism:exemptFrom attributes must be of type NmTokens.
<a href="#">ISM-ID-00274</a>	[Error] All @ism:createDate attributes must be a Date without a timezone.
<a href="#">ISM-ID-00275</a>	[Error] All @ism:declassDate attributes must be of type Date.
<a href="#">ISM-ID-00276</a>	[Error] All @ism:declassEvent attributes must be a string with less than 1024 characters.
<a href="#">ISM-ID-00277</a>	[Error] All @ism:declassException attributes must be of type NmTokens.
<a href="#">ISM-ID-00278</a>	[Error] All @ism:derivativelyClassifiedBy attributes must be a string with less than 1024 characters.
<a href="#">ISM-ID-00279</a>	[Error] All @ism:derivedFrom attributes must be a string with less than 1024 characters.
<a href="#">ISM-ID-00280</a>	[Error] All @ism:displayOnlyTo attributes must be of type NmTokens.
<a href="#">ISM-ID-00281</a>	[Error] All @ism:disseminationControls attributes must be of type NmTokens.
<a href="#">ISM-ID-00283</a>	[Error] All @ism:FGIsourceOpen attributes must be of type NmTokens.
<a href="#">ISM-ID-00284</a>	[Error] All @ism:FGIsourceProtected attributes must be of type NmTokens.
<a href="#">ISM-ID-00285</a>	[Error] All @ism:nonICmarkings attributes must be of type NmTokens.
<a href="#">ISM-ID-00286</a>	[Error] All @ism:nonUSControls attributes must be of type NmTokens.
<a href="#">ISM-ID-00287</a>	[Error] All @ism:noticeDate attributes must be of type Date.
<a href="#">ISM-ID-00288</a>	[Error] All @ism:noticeReason attributes must be a string with less than 2048 characters.
<a href="#">ISM-ID-00289</a>	[Error] All @ism:noticeType attributes must be of type NmTokens.
<a href="#">ISM-ID-00290</a>	[Error] All @ism:externalNotice attributes must be of type Boolean.
<a href="#">ISM-ID-00291</a>	[Error] All @ism:ownerProducer attributes must be of type NmTokens.

Schematron Phase TYPECHECK	
Rule Id	Rule
<a href="#">ISM-ID-00292</a>	[Error] All @ism:pocType attributes must be of type NmTokens.
<a href="#">ISM-ID-00293</a>	[Error] All @ism:releasableTo attributes must be of type NmTokens.
<a href="#">ISM-ID-00294</a>	[Error] All @ism:resourceElement attributes must be of type Boolean.
<a href="#">ISM-ID-00295</a>	[Error] All @ism:SARIdentifier attributes must be of type NmTokens.
<a href="#">ISM-ID-00296</a>	[Error] All @ism:SCIcontrols attributes must be of type NmTokens.
<a href="#">ISM-ID-00297</a>	[Error] All @ism:unregisteredNoticeType attributes must be a string with less than 2048 characters.
<a href="#">ISM-ID-00361</a>	[Error] All @ism:hasApproximateMarkings attributes must be of type Boolean.
<a href="#">ISM-ID-00365</a>	[Error] All @ism:noAggregation attributes must be of type Boolean.
<a href="#">ISM-ID-00379</a>	[Error] All ISM @ism:declassDate attributes must be a Date without a timezone.
<a href="#">ISM-ID-00380</a>	[Error] All ISM @ism:noticeDate attributes must be a Date without a timezone.
<a href="#">ISM-ID-00516</a>	[Error] All @ism:secondBannerLine attributes must be of type NmTokens.
<a href="#">ISM-ID-00484</a>	[Error] All @ism:cuiBasic attributes must be of type NmTokens.
<a href="#">ISM-ID-00485</a>	[Error] All @ism:cuiSpecified attributes must be of type NmTokens.
<a href="#">ISM-ID-00378</a>	[Error] All joint attributes must be of type Boolean.
<a href="#">ISM-ID-00340</a>	[Error] All @ism:compliesWith attributes must be of type NmTokens.

## Chapter 9 - Schematron Phase INFRASTRUCTURE

### Rules in Phase

Schematron Phase INFRASTRUCTURE	
Rule Id	Rule
<a href="#">ISM-ID-00445</a>	[Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'USAgency' that is version '202207' (Version:2022-JUL) or later. NOTE: This is not an error of the instance document but of the validation environment itself.
<a href="#">ISM-ID-00446</a>	[Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'MN' that is version '202111' (Version:2021-NOV) or later. NOTE: This is not an error of the instance document but of the validation environment itself.
<a href="#">ISM-ID-00447</a>	[Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'LIC' that is version '201508' (Version:2015-AUG) or later. NOTE: This is not an error of the instance document but of the validation environment itself.
<a href="#">ISM-ID-00448</a>	[Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'AUTHCAT' that is version '201804' (Version:2018-APR) or later. NOTE: This is not an error of the instance document but of the validation environment itself.
<a href="#">ISM-ID-00520</a>	[Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'ROLE' that is version '202111' (Version:2021-NOV) or later. NOTE: This is not an error of the instance document but of the validation environment itself.
<a href="#">ISM-ID-00375</a>	[Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'ISMCAT' that is version '2022-NOV' (Version:2022-NOV) or later. NOTE: This is not an error of the instance document but of the validation environment itself.

## Chapter 10 - Schematron Phase NON-ENV

### Rules in Phase

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00419</a>	[Error] ntk:AccessProfile containing the ntk:AccessPolicy [urn:us:gov:ic:aces:ntk:ico] may not have ntk:ProfileDes, ntk:VocabularyType, or ntk:AccessProfileValue elements specified.
<a href="#">ISM-ID-00403</a>	[Error] Mission Need NTK assertions must use the “datasphere” profile DES.
<a href="#">ISM-ID-00404</a>	[Error] The Access Profile Value for MN NTK assertions must use the appropriate subject or region vocabulary.
<a href="#">ISM-ID-00405</a>	[Error] The Access Profile Value must not have an @ntk:qualifier attribute specified for MN NTK assertions.
<a href="#">ISM-ID-00406</a>	[Error] If Vocabulary Type is specified in an MN NTK assertion, it must specify a version for either the issue (datasphere:mn:issue) or region (datasphere:mn:region) vocabularies.
<a href="#">ISM-ID-00423</a>	[Error] datasphere:mn:issue vocabulary values must exist in the Mission Need Issue CVE.
<a href="#">ISM-ID-00424</a>	[Error] datasphere:mn:region vocabulary values must exist in the Mission Need Region CVE.
<a href="#">ISM-ID-00439</a>	[Error] When both issues (datasphere:mn:issue) and regions (datasphere:mn:region) are specified for in a Mission Need NTK instance, the version of the list specified for both must be the same.
<a href="#">ISM-ID-00456</a>	[Error] datasphere:rac vocabulary values must exist in the Restricted Authority Category CVE.
<a href="#">ISM-ID-00458</a>	[Error] Restricted Authority Category NTK assertions must use the “datasphere” profile DES.
<a href="#">ISM-ID-00421</a>	[Error] An Agency Dissemination NTK must have one and only one entry qualified as the originator.
<a href="#">ISM-ID-00428</a>	[Error] The @ntk:qualifier attribute value of either ‘originator’ or ‘dissemto’ is required on every ntk:AccessProfileValue element for NTK Access Profiles based on the Agency Dissemination profile DES.
<a href="#">ISM-ID-00414</a>	[Error] Datasphere Profile NTK assertions must use ‘datasphere’ as the prefix for vocabulary names.
<a href="#">ISM-ID-00415</a>	[Error] Datasphere Profile NTK assertions must use ‘datasphere’ vocabularies for access profile values.
<a href="#">ISM-ID-00401</a>	[Error] EXDIS profiles requires ntk:ProfileDes with type agencydissem (urn:us:gov:ic:ntk:profile:agencydissem).
<a href="#">ISM-ID-00433</a>	[Error] EXDIS requires the USA-Agency vocabulary (organization:usa-agency).

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00399</a>	[Error] If a profile DES URN begins with 'urn:us:gov:ic:ntk:', the value must exist in the list of allowed values.
<a href="#">ISM-ID-00400</a>	[Error] The attribute @ntk:externalReference must be set to [true] when ntk:ExternalAccess element is used.
<a href="#">ISM-ID-00411</a>	[Error] Vocabulary declarations must have a root from one of the built-in types of 'datasphere', 'organization', 'individual', 'group', or 'role'. Declaration of custom root types are not permitted.
<a href="#">ISM-ID-00412</a>	[Error] ntk:VocabularyType must have a source unless being derived from an existing built-in type.
<a href="#">ISM-ID-00413</a>	[Error] All vocabularies used must be of a built-in vocabulary type or be defined in this ntk:AccessProfile in an ntk:VocabularyType.
<a href="#">ISM-ID-00416</a>	[Error] If ntk:AccessProfileValue or ntk:VocabularyType are specified then there must be a Profile DES that defines the use of the ntk:AccessProfile structure.
<a href="#">ISM-ID-00417</a>	[Error] If there is a Profile DES specified, then there must be at least one ntk:AccessProfileValue.
<a href="#">ISM-ID-00418</a>	[Error] Sources cannot be overridden. If a built-in vocabulary type is specified and the source attribute is present, it must equal the built-in source.
<a href="#">ISM-ID-00420</a>	[Error] organization:usa-agency vocabulary values must exist in the USAgency CVE.
<a href="#">ISM-ID-00422</a>	[Error] An @ntk:sourceVersion must be specified for the built-in organization:usa-agency vocabulary type.
<a href="#">ISM-ID-00425</a>	[Error] An @ntk:sourceVersion must be specified for the built-in datasphere:mn:issue vocabulary type.
<a href="#">ISM-ID-00426</a>	[Error] An @ntk:sourceVersion must be specified for the built-in datasphere:mn:region vocabulary type.
<a href="#">ISM-ID-00434</a>	[Error] Source versions (@ntk:sourceVersion) must be consistent for all NTK Profiles within a document that contribute to the actual overall access restrictions of the document.
<a href="#">ISM-ID-00435</a>	[Error] If an access policy URN begins with 'urn:us:gov:ic:aces:ntk', the value must exist in the list of allowed values.
<a href="#">ISM-ID-00436</a>	[Warning] The source version (@ntk:sourceVersion) must match the version of the CVE being used to validate values of the NTK instance.
<a href="#">ISM-ID-00437</a>	[Error] An @ntk:sourceVersion must be specified for the built-in datasphere:license vocabulary type.
<a href="#">ISM-ID-00438</a>	[Error] If an ntk:AccessProfileValue with @ntk:vocabulary of [datasphere:license] is specified, then the value must exist in the LIC.CES License CVE (CVEnumLicLicense.xml).

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00440</a>	[Error] ntk:AccessPolicy, ntk:ProfileDes, and ntk:AccessProfileValue are required to have text content.
<a href="#">ISM-ID-00454</a>	[Error] An @ntk:sourceVersion must be specified for the built-in datasphere:rac vocabulary type.
<a href="#">ISM-ID-00455</a>	[Error] ntk:RequiresAnyOf and ntk:RequiresAllOf must contain ntk:AccessProfileList.
<a href="#">ISM-ID-00457</a>	[Error] Every attribute in the NTK namespace must be specified with a non-whitespace value.
<a href="#">ISM-ID-00509</a>	[Error] ntk:AccessProfileValue with vocabulary role:enterpriseRole must exist in the list of allowed EnterpriseRole values.
<a href="#">ISM-ID-00409</a>	[Error] Grp-ind Profile NTK assertions must use appropriate 'group' and 'individual' vocabularies for vocabulary type definitions.
<a href="#">ISM-ID-00410</a>	[Error] Grp-ind Profile NTK assertions must use appropriate 'group' and 'individual' vocabularies for access profile values.
<a href="#">ISM-ID-00493</a>	[Error] If a document contains the CUI dissemination marking [DL_ONLY], it must contain an ntk:ProfileDes element with type 'grp-ind'.
<a href="#">ISM-ID-00402</a>	[Error] ORCON profiles requires ntk:ProfileDes with type agencydissem (urn:us:gov:ic:ntk:profile:agencydissem).
<a href="#">ISM-ID-00432</a>	[Error] ORCON requires the USA-Agency vocabulary (organization:usa-agency).
<a href="#">ISM-ID-00427</a>	[Error] Use of the permissive access policy requires the Group and Individual Profile DES.
<a href="#">ISM-ID-00477</a>	[Error] Use of the Enterprise Role Permissive access policy requires the ROLE Profile DES.
<a href="#">ISM-ID-00508</a>	[Error] Use of the Enterprise Role Permissive access policy requires an Enterprise Role vocabulary type.
<a href="#">ISM-ID-00407</a>	[Error] For group-based PROPIN NTK assertions that contain ntk:ProfileDes elements, ntk:ProfileDes must specify the URN for Profile DES type: 'grp-ind'.
<a href="#">ISM-ID-00408</a>	[Error] Propin NTK assertions that use the urn:us:gov:ic:aces:ntk:propin:2 access policy MUST specify a Profile DES.
<a href="#">ISM-ID-00429</a>	[Error] PROPIN access policies must have characters after the predefined portion 'urn:us:gov:ic:aces:ntk:propin:'.
<a href="#">ISM-ID-00489</a>	[Error] Use of the Enterprise Role Restrictive access policy requires the ROLE Profile DES.
<a href="#">ISM-ID-00490</a>	[Error] Use of the Enterprise Role Restrictive access policy requires an Enterprise Role vocabulary type.
<a href="#">ISM-ID-00430</a>	[Error] Use of the restrictive access policy requires the Group and Individual Profile DES.

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00431</a>	[Error] Use of the restrictive access policy requires a Group vocabulary type.
<a href="#">ISM-ID-00155</a>	[Error] If ISM_USDOD_RESOURCE and 1. not ISM_DOD_DISTRO_EXEMPT AND 2. Attribute @ism:noticeType of ISM_RESOURCE_ELEMENT does not contain one of [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F]
<a href="#">ISM-ID-00157</a>	[Error] If ISM_USDOD_RESOURCE and: 1. The attribute notice contains one of the [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], or [DoD-Dist-E] AND 2. The attribute @ism:noticeReason is not specified.
<a href="#">ISM-ID-00158</a>	[Error] If ISM_USDOD_RESOURCE and: 1. not ISM_DOD_DISTRO_EXEMPT AND 2. attribute @ism:classification of ISM_RESOURCE_ELEMENT is not [U] AND 3. A resource attribute @ism:noticeType does not contain one of [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F].
<a href="#">ISM-ID-00161</a>	[Error] If the document is an 1. ISM_USDOD_RESOURCE AND 2. the attribute @ism:noticeType of ISM_RESOURCE_ELEMENT contains [DoD-Dist-A] AND 3. no portions in the document have their attribute @ism:excludeFromRollup set to [true] THEN there must not be any attribute @ism:nonICmarkings present.
<a href="#">ISM-ID-00162</a>	[Error] If ISM_USDOD_RESOURCE and 1. not ISM_DOD_DISTRO_EXEMPT AND 2. attribute @ism:noticeType of ISM_RESOURCE_ELEMENT contains more than one of [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F]
<a href="#">ISM-ID-00227</a>	[Error] Attribute @ism:noticeType may only appear on the resource node when it contains the values [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], [DoD-Dist-F], or [ITAR-EAR].
<a href="#">ISM-ID-00237</a>	[Error] If ISM_USDOD_RESOURCE, any element which specifies attribute @ism:noticeType containing one of the tokens [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F] must also specify attribute @ism:noticeDate.
<a href="#">ISM-ID-00238</a>	[Error] If ISM_USDOD_RESOURCE, if any element specifies attribute @ism:noticeType containing one of the tokens [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F] then an element in the document must specify attribute @ism:pocType with the same value as attribute @ism:noticeType.
<a href="#">ISM-ID-00239</a>	[Error] If ISM_USDOD_RESOURCE and attribute @ism:noticeType of ISM_RESOURCE_ELEMENT contains the token [DoD-Dist-A], then any element which contributes to rollup should not have an attribute @ism:disseminationControls present.

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00240</a>	[Error] If ISM_USDOD_RESOURCE and attribute @ism:noticeType of ISM_RESOURCE_ELEMENT contains the token [DoD-Dist-A], then any element which contributes to rollup should not have an attribute @ism:atomicEnergyMarkings present.
<a href="#">ISM-ID-00527</a>	[Warning] All resource elements that contain a DoD @ism:SARIdentifier attribute SHOULD contain attribute @ism:declassException.
<a href="#">ISM-ID-00014</a>	[Error] If ISM_NSI_EO_APPLIES then one or more of the following attributes: @ism:declassDate, @ism:declassEvent, or @ism:declassException must be specified on the ISM_RESOURCE_ELEMENT.
<a href="#">ISM-ID-00016</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification has a value of [U], then attributes @ism:classificationReason, @ism:classifiedBy, @ism:derivativelyClassifiedBy, @ism:declassDate, @ism:declassEvent, @ism:declassException, @ism:derivedFrom, @ism:SARIdentifier, or @ism:SCControls must not be specified.
<a href="#">ISM-ID-00017</a>	[Error] If ISM_NSI_EO_APPLIES and attribute @ism:classifiedBy is specified, then attribute @ism:classificationReason must be specified.
<a href="#">ISM-ID-00028</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [OC] or [EYES], then attribute @ism:classification must have a value of [TS], [S], or [C].
<a href="#">ISM-ID-00030</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [FOUO], then attribute @ism:classification must have a value of [U].
<a href="#">ISM-ID-00031</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [REL] or [EYES], then attribute @ism:releasableTo must be specified.
<a href="#">ISM-ID-00032</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls is not specified, or is specified and does not contain the name token [REL] or [EYES], then attribute @ism:releasableTo must not be specified.
<a href="#">ISM-ID-00033</a>	[Error] If ISM_USGOV_RESOURCE, then tokens [REL], [EYES] and [NF] are mutually exclusive for attribute @ism:disseminationControls.
<a href="#">ISM-ID-00037</a>	[Error] When ISM_USGOV_RESOURCE and @ism:nonICmarkings contains [SBU] or [SBU-NF] then @ism:classification must equal [U].
<a href="#">ISM-ID-00038</a>	[Error] If ISM_USGOV_RESOURCE, then the tokens [XD], [ND], [SBU], and [SBU-NF] are mutually exclusive for attribute @ism:nonICmarkings.
<a href="#">ISM-ID-00040</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:ownerProducer contains [USA] then attribute @ism:classification must have a value in CVEnumISMClassificationUS.xml.

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00043</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [SI], then attribute @ism:classification must have a value of [TS], [S], or [C].
<a href="#">ISM-ID-00044</a>	[Error] If the document is an ISM_USGOV_RESOURCE and the attribute @ism:SClcontrols contain a name token with [SI-G], then the attribute @ism:classification must have a value of [TS].
<a href="#">ISM-ID-00045</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains a name token starting with [SI-G], then attribute @ism:disseminationControls must contain the name token [OC].
<a href="#">ISM-ID-00047</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [TK], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00048</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [HCS], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00049</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [HCS], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00056</a>	[Error] If the document is an ISM_USGOV_RESOURCE and attribute @ism:classification of ISM_RESOURCE_ELEMENT has a value of [U] then no element meeting ISM_CONTRIBUTES in the document may have a @ism:classification attribute of [C], [S], [TS], or [R].
<a href="#">ISM-ID-00058</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification of ISM_RESOURCE_ELEMENT has a value of [C] then no element meeting ISM_CONTRIBUTES_USA in the document may have a @ism:classification attribute of [S] or [TS].
<a href="#">ISM-ID-00059</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification of ISM_RESOURCE_ELEMENT has a value of [S] then no element meeting ISM_CONTRIBUTES_USA in the document may have a @ism:classification attribute of [TS].
<a href="#">ISM-ID-00064</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:FGlsourceOpen containing any value then the ISM_RESOURCE_ELEMENT must have either @ism:FGlsourceOpen or @ism:FGlsourceProtected with a value.
<a href="#">ISM-ID-00065</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:FGlsourceProtected containing any value then the ISM_RESOURCE_ELEMENT must have @ism:FGlsourceProtected with a value.

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00066</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [FOUO] AND 2. ISM_RESOURCE_ELEMENT has the attribute @ism:classification [U] AND 3. No element meeting ISM_CONTRIBUTES in the document has @ism:nonICmarkings AND 4. Elements meeting ISM_CONTRIBUTES only contain dissemination controls [REL], [RELIDO],[NF], [DISPLAYONLY], [EYES], and [FOUO]. Then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [FOUO].
<a href="#">ISM-ID-00067</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [OC] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [OC].
<a href="#">ISM-ID-00068</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [IMC] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [IMC].
<a href="#">ISM-ID-00070</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [NF] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [NF].
<a href="#">ISM-ID-00071</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [PR] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [PR].
<a href="#">ISM-ID-00072</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:atomicEnergyMarkings containing [RD] then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [RD].
<a href="#">ISM-ID-00073</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:atomicEnergyMarkings containing [RD-CNWDI] then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [RD-CNWDI].

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00074</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [RD-SG-##] then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [RD-SG-##]. ## represent digits 1 through 99 the ## must match.
<a href="#">ISM-ID-00075</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document having the attribute @ism:atomicEnergyMarkings containing [FRD] and no elements meeting ISM_CONTRIBUTES having the attribute @ism:atomicEnergyMarkings containing [RD], then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [FRD].
<a href="#">ISM-ID-00077</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [FRD-SG-##] and the ISM_RESOURCE_ELEMENT does not have @ism:atomicEnergyMarkings containing [RD], then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [FRD-SG-##]. ## represent digits 1 through 99 the ## must match.
<a href="#">ISM-ID-00078</a>	[Error] If ISM_USGOV_RESOURCE and the ISM_RESOURCE_ELEMENT node's classification has the value of [U] and any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [DCNI] then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [DCNI].
<a href="#">ISM-ID-00079</a>	[Error] If ISM_USGOV_RESOURCE and ISM_RESOURCE_ELEMENT element's classification has the value of [U] and any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [UCNI] then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [UCNI].
<a href="#">ISM-ID-00080</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [DSEN] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [DSEN].
<a href="#">ISM-ID-00081</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [FISA] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [FISA].

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00084</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:nonICmarkings containing [DS] then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [DS].
<a href="#">ISM-ID-00085</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [XD] and does not have any element meeting ISM_CONTRIBUTES in the document having the attribute @ism:nonICmarkings containing [ND] then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [XD].
<a href="#">ISM-ID-00086</a>	[Error] If ISM_USGOV_RESOURCE and any element in the document: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:nonICmarkings containing [ND] Then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [ND].
<a href="#">ISM-ID-00087</a>	[Error] Classified USA documents having SBU-NF Data must have NF at the resource level.
<a href="#">ISM-ID-00088</a>	[Error] If ISM_USGOV_RESOURCE and @ism:releasableTo is specified on the resource element then all classified portions must specify @ism:releasableTo and all Unclass portions must be REL or contain no caveats.
<a href="#">ISM-ID-00090</a>	[Error] If ISM_USGOV_RESOURCE and any element: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:disseminationControls containing [REL] Then the ISM_RESOURCE_ELEMENT must not have attribute @ism:disseminationControls containing [EYES].
<a href="#">ISM-ID-00097</a>	[Warning] If ISM_USGOV_RESOURCE and attribute @ism:FGIsourceProtected is specified with a value other than [FGI] then the value(s) must not be discoverable in IC shared spaces.
<a href="#">ISM-ID-00099</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:ownerProducer contains the token [FGI], then the token [FGI] must be the only value in attribute @ism:ownerProducer.
<a href="#">ISM-ID-00104</a>	[Error] If the document is an ISM_USGOV_RESOURCE and any element in the document is: 1. Unclassified and meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:nonICmarkings containing [SBU-NF] AND 3. The ISM_RESOURCE_ELEMENT has attribute @ism:nonICmarkings does not contain [XD] or [ND] AND 4. The ISM_RESOURCE_ELEMENT has attribute @ism:disseminationControls does not contain [NF] Then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [SBU-NF].

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00105</a>	[Error] If the document is an ISM_USGOV_RESOURCE and any element in the document is: 1. Unclassified and meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:nonICmarkings containing [SBU] AND 3. No element meeting ISM_CONTRIBUTES in the document has @ism:nonICmarkings containing any of [SBU-NF], [XD], or [ND] Then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [SBU].
<a href="#">ISM-ID-00107</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [IMC] then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00108</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification of ISM_RESOURCE_ELEMENT has a value of [TS] and attribute @ism:compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:classification attribute of [TS].
<a href="#">ISM-ID-00109</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification of ISM_RESOURCE_ELEMENT has a value of [S] and attribute @ism:compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:classification attribute of [S].
<a href="#">ISM-ID-00110</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification of ISM_RESOURCE_ELEMENT has a value of [C] and attribute @ism:compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a classification attribute of [C].
<a href="#">ISM-ID-00124</a>	[Warning] If ISM_USGOV_RESOURCE and 1. Attribute @ism:ownerProducer does not contain [USA]. AND 2. Attribute @ism:disseminationControls contains [RELIDO]
<a href="#">ISM-ID-00127</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [RD] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [RD] and does not have attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00128</a>	[Error] USA documents containing FRD data must have a non-external FRD notice unless the document contains RD in the banner.
<a href="#">ISM-ID-00129</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [IMC] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [IMC, IMCON_RSEN] and does not have attribute @ism:externalNotice with a value of [true]

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00130</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [FISA] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [FISA] and does not have attribute @ism:externalNotice with a value of [true]
<a href="#">ISM-ID-00132</a>	[Error] If ISM_USGOV_RESOURCE and the ISM_RESOURCE_ELEMENT has the attribute @ism:disseminationControls containing [RELIDO] then every element meeting ISM_CONTRIBUTES_CLASSIFIED in the document must have the attribute @ism:disseminationControls containing [RELIDO].
<a href="#">ISM-ID-00133</a>	[Error] If ISM_NSI_EO_APPLIES and attribute @ism:declassException is specified and contains the tokens [25X1-EO-12951], [50X1-HUM], [50X2-WMD], [NATO], [AEA] or [NATO-AEA] then attribute @ism:declassDate or @ism:declassEvent must NOT be specified.
<a href="#">ISM-ID-00134</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [DS] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [DS] and does not have attribute @ism:externalNotice with a value of [true]
<a href="#">ISM-ID-00135</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [RD] AND 2. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [RD] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00136</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:atomicEnergyMarkings containing [FRD] AND 2. Any element without ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [FRD] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00138</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute nonICmarkings containing [DS] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute noticeType containing [DS] and does not specify attribute @ism:externalNotice with a value of [true]. AND 3. \$ISM_RESOURCE_ELEMENT is unclassified.

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00139</a>	[Error] If ISM_USGOV_RESOURCE, and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @disseminationControls containing [FISA] OR the attribute @ism:cuiSpecified containing [FISA] AND 2. Any element without ism:excludeFromRollup=true() in the document has the attribute noticeType containing [FISA] and does not specify attribute ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00141</a>	[Error] If ISM_NSI_EO_APPLIES and: 1. ISM_RESOURCE_ELEMENT attribute @ism:declassException does not have a value of [25X1-EO-12951], [50X1-HUM], [50X2-WMD], [AEA], [NATO], or [NATO-AEA] AND 2. ISM_RESOURCE_ELEMENT attribute @ism:declassDate is not specified AND 3. ISM_RESOURCE_ELEMENT attribute @ism:declassEvent is not specified
<a href="#">ISM-ID-00142</a>	[Error] If the Classified National Security Information Executive Order applies to the document, then a classification authority must be specified.
<a href="#">ISM-ID-00143</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:derivativelyClassifiedBy is specified, then attribute @ism:derivedFrom must be specified.
<a href="#">ISM-ID-00145</a>	[Error] If ISM_USGOV_RESOURCE and any element in the document: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:nonICmarkings containing [LES] AND 3. No element meeting ISM_CONTRIBUTES in the document has @ism:nonICmarkings containing any of [LES-NF] Then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [LES].
<a href="#">ISM-ID-00146</a>	[Error] If ISM_USGOV_RESOURCE and there exist at least 2 elements in the document: 1. Each element: Meets ISM_CONTRIBUTES AND 2. One of the elements: Has the attribute @ism:nonICmarkings containing [LES-NF] AND 3. One of the elements: meets ISM_CONTRIBUTES_CLASSIFIED Then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [NF].
<a href="#">ISM-ID-00147</a>	[Error] If ISM_USGOV_RESOURCE and there exist at least 2 elements in the document: 1. Each element: Meets ISM_CONTRIBUTES AND 2. One of the elements: Has the attribute @ism:nonICmarkings containing [LES-NF] AND 3. One of the elements: meets ISM_CONTRIBUTES_CLASSIFIED Then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [LES].
<a href="#">ISM-ID-00148</a>	[Error] If ISM_USGOV_RESOURCE, then Name tokens [LES] and [LES-NF] are mutually exclusive for attribute @ism:nonICmarkings.

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00149</a>	[Error] If the document is an ISM_USGOV_RESOURCE and: 1. Any element in the document meets ISM_CONTRIBUTES in the document has the attribute @ism:nonICmarkings contain [LES-NF] AND 2. ISM_RESOURCE_ELEMENT has the attribute @ism:classification [U] AND 3. ISM_RESOURCE_ELEMENT does not have the attribute @ism:disseminationControls [NF] THEN the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [LES-NF]
<a href="#">ISM-ID-00150</a>	[Error] If (ISM_USGOV_RESOURCE or ISM_USCUIONLY_RESOURCE) and: 1. Any element, other than ISM_RESOURCE_ELEMENT, meeting ISM_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [LES] or the attribute @ism:cuiBasic containing [LEI] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [LES]
<a href="#">ISM-ID-00151</a>	[Warning] If ISM_USGOV_RESOURCE or ISM_USCUIONLY_RESOURCE, and: 1. No element without @ism:excludeFromRollup=true() in the document has either the attribute @ism:nonICmarkings containing [LES] or the attribute @ism:cuiBasic containing [LEI] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [LES] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00152</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [LES-NF] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [LES-NF] and does not have attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00153</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:nonICmarkings containing [LES-NF] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [LES-NF]. and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00154</a>	[Error] If ISM_USGOV_RESOURCE and 1. Attribute @ism:disseminationControls of ISM_RESOURCE_ELEMENT contains [FOUO] AND 2. Attribute @ism:compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:disseminationControls attribute contain [FOUO].

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00159</a>	[Error] If ISM_USGOV_RESOURCE and: 1. attribute @ism:classification of ISM_RESOURCE_ELEMENT is not [U] AND 2. The attribute @ism:noticeType does contain [DoD-Dist-A] or has attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00164</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [RS], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00165</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [RS] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [RS].
<a href="#">ISM-ID-00166</a>	[Warning] Attribute @ism:classification should not contain any value which will be deprecated.
<a href="#">ISM-ID-00168</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls is not specified or is specified and does not contain the name token [DISPLAYONLY], then attribute @ism:displayOnlyTo must not be specified.
<a href="#">ISM-ID-00169</a>	[Error] If ISM_USGOV_RESOURCE, then for attribute @ism:disseminationControls the name tokens [DISPLAYONLY], [RELIDO] and [NF] are mutually exclusive.
<a href="#">ISM-ID-00170</a>	[Error] Attribute @ism:classification must not contain any values which have passed their deprecation date.
<a href="#">ISM-ID-00173</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains a name token starting with [RD-SG] or [FRD-SG], then attribute @ism:classification must have a value of [S] or [TS].
<a href="#">ISM-ID-00174</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains the name token [RD], [FRD], or [TFNI], then attribute @ism:classification must have a value of [TS], [S], or [C].
<a href="#">ISM-ID-00175</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains the name token [RD-CNWDI], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00176</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings has a name token containing [RD] or [FRD], then attributes @ism:declassDate and @ism:declassEvent cannot be specified on the resourceElement.
<a href="#">ISM-ID-00179</a>	[Warning] Attribute @ism:disseminationControls should not contain any values which will be deprecated.

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00180</a>	[Error] Attribute @ism:disseminationControls must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00181</a>	[Error] If ISM_USGOV_RESOURCE and element's classification does not have a value of "U" then attribute @ism:atomicEnergyMarkings must not contain the name token [UCNI] or [DCNI].
<a href="#">ISM-ID-00183</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains a name token starting with [RD-SG], then it must also contain the name token [RD].
<a href="#">ISM-ID-00184</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains a name token starting with [FRD-SG], then it must also contain the name token [FRD].
<a href="#">ISM-ID-00185</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains the name token [RD-CNWDI], then it must also contain the name token [RD].
<a href="#">ISM-ID-00188</a>	[Warning] Attribute @ism:FGIsourceOpen should not contain any value which will be deprecated.
<a href="#">ISM-ID-00189</a>	[Error] Attribute @ism:FGIsourceOpen must not contain values that have passed their deprecation date.
<a href="#">ISM-ID-00190</a>	[Warning] Attribute @ism:FGIsourceProtected should not contain any values which will be deprecated.
<a href="#">ISM-ID-00191</a>	[Error] Attribute @ism:FGIsourceProtected must not contain any values which have passed their deprecation date.
<a href="#">ISM-ID-00192</a>	[Warning] Attribute @ism:nonICmarkings should not contain any values which will be deprecated.
<a href="#">ISM-ID-00193</a>	[Error] Attribute @ism:nonICmarkings must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00196</a>	[Warning] Attribute @ism:ownerProducer should not contain any values which will be deprecated.
<a href="#">ISM-ID-00197</a>	[Error] Attribute @ism:ownerProducer must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00198</a>	[Warning] Attribute @ism:releasableTo should not contain any values which will be deprecated.
<a href="#">ISM-ID-00199</a>	[Error] Attribute @ism:releasableTo must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00200</a>	[Warning] Attribute @ism:displayOnlyTo should not contain any values which will be deprecated.
<a href="#">ISM-ID-00201</a>	[Error] Attribute @ism:displayOnlyTo must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00202</a>	[Warning] Attribute @ism:SARIdentifier should not contain any values which will be deprecated.

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00203</a>	[Error] Attribute @ism:SARIdentifier must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00204</a>	[Warning] Attribute @ism:SCIcontrols should not contain any values which will be deprecated.
<a href="#">ISM-ID-00205</a>	[Error] Attribute @ism:SCIcontrols must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00206</a>	[Warning] Attribute @ism:declassException should not contain any values which will be deprecated.
<a href="#">ISM-ID-00207</a>	[Error] Attribute @ism:declassException must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00208</a>	[Warning] Attribute @ism:atomicEnergyMarkings should not contain any values which will be deprecated.
<a href="#">ISM-ID-00209</a>	[Error] Attribute @ism:atomicEnergyMarkings must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00210</a>	[Warning] Attribute @ism:nonUSControls should not contain any values which will be deprecated.
<a href="#">ISM-ID-00211</a>	[Error] Attribute @ism:nonUSControls must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00213</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [DISPLAYONLY], then attribute @ism:displayOnlyTo must be specified.
<a href="#">ISM-ID-00214</a>	[Error] If ISM_USGOV_RESOURCE then attribute @ism:releasableTo must start with [USA].
<a href="#">ISM-ID-00217</a>	[Error] If ISM_USGOV_RESOURCE attribute @ism:FGIsourceProtected contains [FGI], it must be the only value.
<a href="#">ISM-ID-00219</a>	[Error] If element meets ISM_CONTRIBUTES and attribute @ism:ownerProducer contains the token [FGI], then attribute @ism:FGIsourceProtected must have a value containing the token [FGI].
<a href="#">ISM-ID-00221</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:derivativelyClassifiedBy is specified, then attributes @ism:classificationReason or @ism:classifiedBy must not be specified.
<a href="#">ISM-ID-00223</a>	[Error] If any elements in namespace urn:us:gov:ic:ism exist, the local name must exist in CVEnumISMElements.xml.
<a href="#">ISM-ID-00226</a>	[Error] Attributes @ism:noticeType and @ism:unregisteredNoticeType may not both be used on the same element.
<a href="#">ISM-ID-00228</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [FRD] then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:atomicEnergyMarking attribute containing [FRD].

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00229</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [RD] then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:atomicEnergyMarking attribute containing [RD].
<a href="#">ISM-ID-00230</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [FRD-SG-##] then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:atomicEnergyMarking attribute containing the same [FRD-SG-##].
<a href="#">ISM-ID-00231</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [RD-SG-##] then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:atomicEnergyMarking attribute containing the same [RD-SG-##].
<a href="#">ISM-ID-00242</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [RSV], then it must also have attribute @ism:classification with a value of [S] or [TS].
<a href="#">ISM-ID-00243</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [RSV], then it must also contain a compartment [RSV-XXX].
<a href="#">ISM-ID-00244</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [RD-CNWDI] AND 2. No element meeting ISM_CONTRIBUTES in the document has @ism:noticeType containing [CNWDI]. that does not have attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00245</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:atomicEnergyMarkings containing [RD-CNWDI] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [CNWDI] and not the attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00246</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [RD], [FRD], or [TFNI] then the ISM_RESOURCE_ELEMENT must have a @ism:declassException of [AEA] or [NATO-AEA].
<a href="#">ISM-ID-00250</a>	[Error] If ISM_USGOV_RESOURCE, element ism:Notice must specify attribute @ism:noticeType or @ism:unregisteredNoticeType.
<a href="#">ISM-ID-00252</a>	[Error] If ISM_RESOURCE_ELEMENT specifies the attribute @ism:disseminationControls with a value containing the token [RELIDO], then attribute @ism:nonICmarkings must not be specified with a value containing the token [NNPI].

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00253</a>	[Error] All @ism:atomicEnergyMarkings values must be defined in CVEnumISMAtomicEnergyMarkings.xml.
<a href="#">ISM-ID-00254</a>	[Error] All @ism:classification values must be a defined in CVEnumISMClassificationAll.xml.
<a href="#">ISM-ID-00255</a>	[Error] All @ism:exemptFrom values must be defined in CVEnumISMExemptFrom.xml.
<a href="#">ISM-ID-00256</a>	[Error] All @ism:declassException values must be defined in CVEnumISM25X.xml.
<a href="#">ISM-ID-00257</a>	[Error] All @ism:displayOnlyTo values must be defined in CVEnumISMRelTo.xml.
<a href="#">ISM-ID-00258</a>	[Error] All @ism:disseminationControls values must be a defined in CVEnumISMDissem.xml.
<a href="#">ISM-ID-00259</a>	[Error] All @ism:FGIsourceOpen values must be defined in CVEnumISMCAFGIOpen.xml.
<a href="#">ISM-ID-00260</a>	[Error] All @ism:FGIsourceProtected values must be defined in CVEnumISMCAFGIProtected.xml.
<a href="#">ISM-ID-00261</a>	[Error] All @ism:nonICmarkings values that contributes to rollup must be defined in CVEnumISMNonIC.xml. All non-ACCM @ism:nonICmarkings values that do not contribute to rollup must be defined in CVEnumISMNonIC.xml.
<a href="#">ISM-ID-00262</a>	[Error] Any @ism:nonUSControls values must be defined in CVEnumISMNonUSControls.xml.
<a href="#">ISM-ID-00263</a>	[Error] Any @ism:ownerProducer values must be defined in CVEnumISMCAOwnerProducer.xml.
<a href="#">ISM-ID-00264</a>	[Error] Any @ism:pocType values must be defined in CVEnumISMPocType.xml.
<a href="#">ISM-ID-00265</a>	[Error] Any @ism:releasableTo must be a value in CVEnumISMRelTo.xml.
<a href="#">ISM-ID-00266</a>	[Error] Any @ism:SARIdentifier values that contributes to rollup must be defined in CVEnumISMSAR.xml.
<a href="#">ISM-ID-00267</a>	[Error] All @ism:SCIcontrols values that contributes to rollup must be defined in CVEnumISMSCIControls.xml
<a href="#">ISM-ID-00268</a>	[Error] All @ism:atomicEnergyMarkings attributes must be of type NmTokens.
<a href="#">ISM-ID-00269</a>	[Error] All @ism:classification attributes must be of type NmToken.
<a href="#">ISM-ID-00270</a>	[Error] All @ism:classificationReason attributes must be a string with 4096 characters or less.
<a href="#">ISM-ID-00271</a>	[Error] All @ism:classifiedBy attributes must be a string with less than 1024 characters.

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00272</a>	[Error] All @ism:compilationReason attributes must be a string with less than 1024 characters.
<a href="#">ISM-ID-00273</a>	[Error] All @ism:exemptFrom attributes must be of type NmTokens.
<a href="#">ISM-ID-00274</a>	[Error] All @ism:createDate attributes must be a Date without a timezone.
<a href="#">ISM-ID-00275</a>	[Error] All @ism:declassDate attributes must be of type Date.
<a href="#">ISM-ID-00276</a>	[Error] All @ism:declassEvent attributes must be a string with less than 1024 characters.
<a href="#">ISM-ID-00277</a>	[Error] All @ism:declassException attributes must be of type NmTokens.
<a href="#">ISM-ID-00278</a>	[Error] All @ism:derivativelyClassifiedBy attributes must be a string with less than 1024 characters.
<a href="#">ISM-ID-00279</a>	[Error] All @ism:derivedFrom attributes must be a string with less than 1024 characters.
<a href="#">ISM-ID-00280</a>	[Error] All @ism:displayOnlyTo attributes must be of type NmTokens.
<a href="#">ISM-ID-00281</a>	[Error] All @ism:disseminationControls attributes must be of type NmTokens.
<a href="#">ISM-ID-00282</a>	[Error] All @ism:excludeFromRollup attributes must be of type Boolean.
<a href="#">ISM-ID-00283</a>	[Error] All @ism:FGIsourceOpen attributes must be of type NmTokens.
<a href="#">ISM-ID-00284</a>	[Error] All @ism:FGIsourceProtected attributes must be of type NmTokens.
<a href="#">ISM-ID-00285</a>	[Error] All @ism:nonICmarkings attributes must be of type NmTokens.
<a href="#">ISM-ID-00286</a>	[Error] All @ism:nonUSControls attributes must be of type NmTokens.
<a href="#">ISM-ID-00287</a>	[Error] All @ism:noticeDate attributes must be of type Date.
<a href="#">ISM-ID-00288</a>	[Error] All @ism:noticeReason attributes must be a string with less than 2048 characters.
<a href="#">ISM-ID-00289</a>	[Error] All @ism:noticeType attributes must be of type NmTokens.
<a href="#">ISM-ID-00290</a>	[Error] All @ism:externalNotice attributes must be of type Boolean.
<a href="#">ISM-ID-00291</a>	[Error] All @ism:ownerProducer attributes must be of type NmTokens.
<a href="#">ISM-ID-00292</a>	[Error] All @ism:pocType attributes must be of type NmTokens.
<a href="#">ISM-ID-00293</a>	[Error] All @ism:releasableTo attributes must be of type NmTokens.
<a href="#">ISM-ID-00294</a>	[Error] All @ism:resourceElement attributes must be of type Boolean.
<a href="#">ISM-ID-00295</a>	[Error] All @ism:SARIdentifier attributes must be of type NmTokens.
<a href="#">ISM-ID-00296</a>	[Error] All @ism:SCIcontrols attributes must be of type NmTokens.
<a href="#">ISM-ID-00297</a>	[Error] All @ism:unregisteredNoticeType attributes must be a string with less than 2048 characters.

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00298</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document specifies attribute @ism:atomicEnergyMarkings with a value containing [TFNI] and no elements meeting ISM_CONTRIBUTES having the attribute @ism:atomicEnergyMarkings containing [RD] or [FRD], then the ISM_RESOURCE_ELEMENT must specify attribute @ism:atomicEnergyMarkings with a value containing [TFNI].
<a href="#">ISM-ID-00299</a>	[Error] If an element contains the attribute @ism:declassException with a value of [AEA], it must also contain the attribute @ism:atomicEnergyMarkings.
<a href="#">ISM-ID-00302</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [OC-USGOV], then name token [OC] must be specified.
<a href="#">ISM-ID-00303</a>	[Error] If ISM_USGOV_RESOURCE and the document contains attribute @ism:disseminationControls with name token [OC-USGOV] in the banner, then all [OC] portions must also contain [OC-USGOV].
<a href="#">ISM-ID-00313</a>	[Error] If @ism:nonICmarkings contains the token [ND] then the attribute @ism:disseminationControls must contain [NF].
<a href="#">ISM-ID-00314</a>	[Error] If @ism:nonICmarkings contains the token [XD] then the attribute @ism:disseminationControls must contain [NF].
<a href="#">ISM-ID-00315</a>	[Error] If classified element meets ISM_CONTRIBUTES and attribute @ism:ownerProducer contains the token [NATO], then attribute @ism:declassException must be specified with a value of [NATO] or [NATO-AEA] on the resourceElement.
<a href="#">ISM-ID-00316</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:declassException of ISM_RESOURCE_ELEMENT contains [NATO] then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:ownerProducer attribute containing [NATO] or the resource level attribute @ism:FGIsourcesOpen must contain [NATO].
<a href="#">ISM-ID-00317</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:declassExemption of ISM_RESOURCE_ELEMENT contains [NATO-AEA] then at least one element meeting ISM_CONTRIBUTES in the document must have a @ism:ownerProducer attribute containing [NATO] and one portion containing @ism:atomicEnergyMarkings.
<a href="#">ISM-ID-00318</a>	[Error] Rollup compilation does not meet CAPCO guidance.
<a href="#">ISM-ID-00319</a>	[Error] If ISM_USGOV_RESOURCE and @ism:ownerProducer contains 'USA' and attribute @ism:releasableTo is specified, then @ism:releasableTo must contain more than a single token.

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00320</a>	[Error] If the ISM_RESOURCE_ELEMENT has the @ism:displayOnlyTo attribute specified, then the countries specified in the @ism:displayOnlyTo attribute MUST be the set of the common countries specified across all contributing portions UNLESS a compilation reason is specified in which case a subset of the common country set may be used.
<a href="#">ISM-ID-00321</a>	[Error] If ISM_USGOV_RESOURCE, then tokens [RD], [FRD] and [TFNI] are mutually exclusive for attribute @ism:atomicEnergyMarkings.
<a href="#">ISM-ID-00324</a>	[Error] If a document is ISM_USGOV_RESOURCE, it must contain portion markings.
<a href="#">ISM-ID-00325</a>	[Error] If ISM_USGOV_RESOURCE, then tokens [OC] and [RELIDO] are mutually exclusive for attribute @ism:disseminationControls.
<a href="#">ISM-ID-00326</a>	[Error] ORCON information (i.e. @ism:disseminationControls of the resource node contains [OC]) requires ORCON profile NTK metadata.
<a href="#">ISM-ID-00327</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element in the document that has the attribute @ism:disseminationControls containing [FOUO] AND 2. Has the attribute @ism:classification [U] Then the element can only have the @ism:disseminationControls containing [REL], [RELIDO], [NF], [DISPLAYONLY], and [EYES].
<a href="#">ISM-ID-00328</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element in the document that has the attribute @ism:disseminationControls containing [FOUO] AND 2. Has the attribute @ism:classification [U] Then the element can't have any @ism:nonICMarkings.
<a href="#">ISM-ID-00330</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [HCS-P], then attribute @ism:classification must have a value of [TS], or [S].
<a href="#">ISM-ID-00332</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [HCS-O], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00335</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [HCS-O], then attribute @ism:disseminationControls must contain the name token [OC].
<a href="#">ISM-ID-00336</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains a token matching [HCS-P-XXXXXX], where X is represented by the regular expression character class [A-Z0-9]{1,6}, then attribute @ism:disseminationControls must contain the name token [OC].
<a href="#">ISM-ID-00341</a>	[Error] If ISM_USGOV_RESOURCE and @ism:SClcontrols contains a token matching [SI-G] or [SI-G-XXXX], then @ism:disseminationControls cannot contain [OC-USGOV].

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00343</a>	[Error] If ISM_USGOV_RESOURCE and there exists a token in @ism:SClcontrols for portions that contribute to rollup, then they must also be specified in the @ism:SClcontrols attribute on the ISM_RESOURCE_ELEMENT.
<a href="#">ISM-ID-00344</a>	[Error] If ISM_USGOV_RESOURCE and there exists a token in @ism:SClcontrols on the ISM_RESOURCE_ELEMENT and no compilation reason then the token must also be specified in the @ism:SClcontrols attribute on at least one portion.
<a href="#">ISM-ID-00345</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the value [EYES], @ism:releasableTo must only contain the token values of [USA], [AUS], [CAN], [GBR] or [NZL].
<a href="#">ISM-ID-00346</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:nonICmarkings contains the name token [DS], then attribute @ism:classification must have a value of [U].
<a href="#">ISM-ID-00347</a>	[Error] If ISM_USGOV_RESOURCE and if there exists a token in @ism:SARIdentifier for portions that contribute to rollup then they must also be specified in the @ism:SARIdentifier attribute on the ISM_RESOURCE_ELEMENT.
<a href="#">ISM-ID-00348</a>	[Error] If ISM_USGOV_RESOURCE and there exists a token in @ism:SARIdentifier on the ISM_RESOURCE_ELEMENT and no compilation reason then the token must also be specified in the @ism:SARIdentifier attribute on at least one portion.
<a href="#">ISM-ID-00349</a>	[Error] If ISM_USGOV_RESOURCE, PROPIN information (i.e. @ism:disseminationControls of the resource node contains [PR]) requires PROPIN NTK metadata.
<a href="#">ISM-ID-00350</a>	[Error] Exclusive Distribution information (i.e. @ism:nonICmarkings of the resource node contains [XD]) requires XD profile NTK metadata.
<a href="#">ISM-ID-00351</a>	[Error] No Distribution information (i.e. @ism:nonICmarkings of the resource node contains [ND]) requires ND profile NTK metadata.
<a href="#">ISM-ID-00352</a>	[Error] Banner or portion that contributes to roll-up must contain [PR] if PROPIN NTK metadata exists.
<a href="#">ISM-ID-00353</a>	[Error] Banner or portion that contributes to roll-up must contain [OC] if ORCON NTK metadata exists.
<a href="#">ISM-ID-00354</a>	[Error] The banner or a portion that contributes to roll-up must contain [XD] if EXDIS NTK metadata exists.
<a href="#">ISM-ID-00355</a>	[Error] The banner or a portion that contributes to roll-up must contain [ND] if NODIS NTK metadata exists.
<a href="#">ISM-ID-00356</a>	[Error] USA documents containing SSI data must have a non-external SSI notice.

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00357</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [SSI] AND 2. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [SSI] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00361</a>	[Error] All @ism:hasApproximateMarkings attributes must be of type Boolean.
<a href="#">ISM-ID-00362</a>	[Error] HCS-P-subs cannot be used with OC-USGOV.
<a href="#">ISM-ID-00363</a>	[Error] HCS-O cannot be used with OC-USGOV.
<a href="#">ISM-ID-00364</a>	[Error] If an ISM_USGOV_RESOURCE has a value in @ism:compilationReason and @ism:noAggregation is present, @ism:noAggregation must be false.
<a href="#">ISM-ID-00365</a>	[Error] All @ism:noAggregation attributes must be of type Boolean.
<a href="#">ISM-ID-00367</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:derivedFrom is specified, then attribute @ism:classifiedBy must not be specified.
<a href="#">ISM-ID-00368</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [TK-BLFH], then attribute @ism:classification must have a value of [TS].
<a href="#">ISM-ID-00369</a>	[Error] If ISM_USGOV_RESOURCE and @ism:attribute SCIcontrols contains the name token [TK-BLFH], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00370</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [TK-IDIT], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00371</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [TK-KAND], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00372</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:nonICmarkings contains the name token [LES-NF] or [SBU-NF], then attribute @ism:disseminationControls must not contain the name token [NF], [REL], [EYES], [RELIDO], or [DISPLAYONLY].
<a href="#">ISM-ID-00373</a>	[Error] If ISM_USGOV_RESOURCE and any element in the document: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:nonICmarkings containing [SSI] Then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [SSI].
<a href="#">ISM-ID-00374</a>	[Error] If ISM_USGOV_RESOURCE and @ism:nonICmarkings contains 'SSI' on the ISM_RESOURCE_ELEMENT with no compilation reason then the token 'SSI' must exist in an @ism:nonICmarkings attribute on at least one portion.

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00379</a>	[Error] All ISM @ism:declassDate attributes must be a Date without a timezone.
<a href="#">ISM-ID-00380</a>	[Error] All ISM @ism:noticeDate attributes must be a Date without a timezone.
<a href="#">ISM-ID-00384</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [RS] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [RSEN, IMCON_RSEN] and does not have attribute @ism:externalNotice with a value of [true]
<a href="#">ISM-ID-00385</a>	[Error] Attribute @ism:declassEvent requires use of attribute @ism:declassDate.
<a href="#">ISM-ID-00386</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute SCIcontrols containing TK compartments AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [GEOCAP] and does not have attribute externalNotice with a value of [true]
<a href="#">ISM-ID-00387</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:SCIcontrols containing TK compartments AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [GEOCAP] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00388</a>	[Error] If ISM_USGOV_RESOURCE and @ism:attribute SCIcontrols contains a token matching containing a "-" then it must also contain the token before the "-". This is to ensure all compartments specify the control system and all subcompartments specify the compartment.
<a href="#">ISM-ID-00389</a>	[Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [RAWFISA] then the ISM_RESOURCE_ELEMENT must have @ism:disseminationControls containing [RAWFISA].
<a href="#">ISM-ID-00391</a>	[Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [RAWFISA] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [RAWFISA] and does not have attribute @ism:externalNotice with a value of [true]

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00392</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:disseminationControls containing [RAWFISA] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [RAWFISA] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00393</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [RAWFISA], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00394</a>	[Error] If the ISM_RESOURCE_ELEMENT has the "RAWFISA" dissemination control and no compilation reason, then at least one portion must have the "RAWFISA" dissemination control.
<a href="#">ISM-ID-00396</a>	[Warning] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [KLM], then [KLM] SHOULD contain [NF]; ensure you have proper release authority from the KLM program.
<a href="#">ISM-ID-00397</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains a name token that complies with the pattern [KLM-] followed by any alphanumeric string, then attribute @ism:disseminationControls must contain the name token [OC], except for the [KLM-R] compartment which does not require [OC].
<a href="#">ISM-ID-00398</a>	[Error] If ISM_USGOV_RESOURCE and @ism:attribute SCIcontrols contains a name token that complies with the pattern [KLM-X-Y], where X and Y are any alphanumeric strings of any length, then attribute @ism:disseminationControls must contain the name token [OC].
<a href="#">ISM-ID-00441</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:disseminationControls containing [RS] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [RSEN] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00442</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:disseminationControls containing [RS] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [IMCON_RSEN] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00443</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:disseminationControls containing [IMC] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [IMCON_RSEN] and does not specify attribute @ism:externalNotice with a value of [true].

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00444</a>	[Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:disseminationControls containing [IMC] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [IMC] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00459</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS-X], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00460</a>	[Error] If 1. Any attribute @ism:noticeType contains [ITAR-EAR] AND 2. Attribute @ism:noticeType of ISM_RESOURCE_ELEMENT contains [DoD-Dist-A]
<a href="#">ISM-ID-00461</a>	[Error] If ISM_USDOD_RESOURCE and 1. not ISM_DOD_DISTRO_EXEMPT AND 2. Attribute @ism:noticeType of any portion that is not @ism:excludeFromRollup="true" contains [ITAR-EAR], then there must be @ism:noticeType=[ITAR-EAR] on the resource element.
<a href="#">ISM-ID-00462</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:classification is [U], then attribute @ism:nonICmarkings must not contain a name token that starts with ACCM.
<a href="#">ISM-ID-00473</a>	[Error] If ISM_USGOV_RESOURCE, PROPIN information (i.e. @ism:disseminationControls of the resource node contains [PR]) requires explicit Foreign Disclosure & Release (FD&R) markings ([REL], [RELIDO], [NF], [DISPLAYONLY] or [EYES]).
<a href="#">ISM-ID-00487</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:cuiSpecified containing [FISA] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [FISA] and does not have attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00488</a>	[Error] If ISM_USCUIONLY_RESOURCE, and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:cuiSpecified containing [FISA] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [FISA] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00491</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:cuiSpecified containing [SSI] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute @ism:noticeType containing [SSI] and does not have attribute @ism:externalNotice with a value of [true].

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00492</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:cuiSpecified containing [SSI] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [SSI] and does not specify attribute @ism:externalNotice with a value of [true].
<a href="#">ISM-ID-00494</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, then if the document contains a PROPIN CUI Category marking (either Basic or Specified), then the document MUST have PROPIN_NTK metadata.
<a href="#">ISM-ID-00495</a>	[Error] If @ism:compliesWith="USA-CUI-ONLY" then attributes @ism:classification and @ism:ownerProducer must not be specified.
<a href="#">ISM-ID-00496</a>	[Error] If @ism:compliesWith contains "USA-CUI-ONLY", then there cannot be any other tokens in @ism:compliesWith.
<a href="#">ISM-ID-00497</a>	[Error] If a document contains either @ism:cuiBasic or @ism:cuiSpecified, then the document must contain @ism:cuiControlledBy.
<a href="#">ISM-ID-00498</a>	[Error] If a document contains @ism:cuiControlledBy, then it must contain at least one of @ism:cuiBasic or @ism:cuiSpecified.
<a href="#">ISM-ID-00499</a>	[Error] If a document has @ism:complieswith="USA-CUI" or "USA-CUI-ONLY", then it must contain @ism:cuiControlledBy.
<a href="#">ISM-ID-00500</a>	[Error] If a document has @ism:cuiControlledBy, then it must have ism:complieswith="USA-CUI" or "USA-CUI-ONLY".
<a href="#">ISM-ID-00501</a>	[Error] If a document has either or both of @ism:cuiDecontrolDate or @ism:cuiDecontrolEvent, then it must have @ism:complieswith="USA-CUI" or "USA-CUI-ONLY".
<a href="#">ISM-ID-00502</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and there exists a token in @ism:cuiBasic for portions that contribute to rollup, then all such tokens must also be specified in the @ism:cuiBasic attribute on the ISM_RESOURCE_ELEMENT.
<a href="#">ISM-ID-00503</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and there exists a token in @ism:cuiSpecified for portions that contribute to rollup, then all such tokens must also be specified in the @ism:cuiSpecified attribute on the ISM_RESOURCE_ELEMENT.
<a href="#">ISM-ID-00504</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and there exists a token in @ism:cuiBasic on the ISM_RESOURCE_ELEMENT and no compilation reason, then the token must also be specified in the @ism:cuiBasic attribute on at least one portion.
<a href="#">ISM-ID-00505</a>	[Error] All @ism:cuiBasic values must be defined in CVEnum-ISMCUIBasic.xml.

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00506</a>	[Error] All @ism:cuiSpecified values must be defined in CVEnum-ISM CUISpecified.xml.
<a href="#">ISM-ID-00507</a>	[Error] If (ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE) and attribute @ism:disseminationControls contains one or more of the name tokens [AC] or [AWP], then attribute @ism:cuiBasic must contain the name token [PRIVILEGE].
<a href="#">ISM-ID-00512</a>	[Error] If ISM_USGOV_RESOURCE or ISM_USCUIONLY_RESOURCE, and attribute @ism:secondBannerLine contains the name token [HVCO], then attribute @ism:handleViaChannels must be specified.
<a href="#">ISM-ID-00513</a>	[Error] If ISM_USGOV_RESOURCE or ISM_USCUIONLY_RESOURCE, and attribute @ism:handleViaChannels is specified, then @ism:secondBannerLine MUST contain the name token [HVCO].
<a href="#">ISM-ID-00514</a>	[Warning] Attribute @ism:secondBannerLine should not contain any values which will be deprecated.
<a href="#">ISM-ID-00515</a>	[Error] Attribute @ism:secondBannerLine must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00516</a>	[Error] All @ism:secondBannerLine attributes must be of type NmTokens.
<a href="#">ISM-ID-00517</a>	[Error] All @ism:secondBannerLine values must be defined in CVEnum-ISMSecondBannerLine.xml.
<a href="#">ISM-ID-00518</a>	[Error] For ism:Notice or ism:NoticeExternal, if @ism:noticeProseID is present then ism:NoticeText is prohibited.
<a href="#">ISM-ID-00519</a>	[Error] For ism:Notice or ism:NoticeExternal, if @ism:noticeProseID is absent then ism:NoticeText is required.
<a href="#">ISM-ID-00521</a>	[Error] If ISM_USGOV_RESOURCE and any element: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:disseminationControls containing [REL] Then the ISM_RESOURCE_ELEMENT MUST have attribute @ism:disseminationControls containing either [REL], [DISPLAYONLY] or [NF].
<a href="#">ISM-ID-00522</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:highWaterNATO attribute exists on a banner or portion, then @ism:FGIsourceOpen contains [NATO] or @ism:ownerProducer contains [NATO] or @ism:FGIsourceProtected contains [FGI].
<a href="#">ISM-ID-00523</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:FGIsourceOpen attribute contains [NATO] on a banner or portion, then a requirement exists that @ism:highWaterNATO also exists, otherwise the NATO data classification cannot be determined.

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00524</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:highWaterNATO attribute exists on a banner or portion, then @ism:ownerProducer cannot be equal to 'NATO'.
<a href="#">ISM-ID-00525</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:highWaterNATO attribute exists on a banner or portion, then @ism:highWaterNATO cannot be higher than @ism:classification.
<a href="#">ISM-ID-00526</a>	[Error] If ISM_NSI_EO_APPLIES and the @ism:ownerProducer attribute contains multiple values on a banner or portion, one being NATO, then a requirement exists that @ism:highWaterNATO also exists, otherwise the NATO data classification cannot be determined.
<a href="#">ISM-ID-00528</a>	[Error] If ISM_USGOV_RESOURCE and if @ism:disseminationControls contains the token [EXEMPT_FROM_ICD501_DISCOVERY] for portions that contribute to rollup then [EXEMPT_FROM_ICD501_DISCOVERY] must also be specified in the @ism:disseminationControls attribute on the ISM_RESOURCE_ELEMENT.
<a href="#">ISM-ID-00529</a>	[Error] All tokens in the @ism:SARIdentifier attribute MUST conform to the regex ^SAR-[A-Z]{3,}:(C S TS):){0,1}[A-Za-z0-9._-]{1,}\$ .
<a href="#">ISM-ID-00530</a>	[Error] The tokens in @ism:SARIdentifier must start with a substring before : that exists in the SAR Source Authorities CVE.
<a href="#">ISM-ID-00531</a>	[Error] All resource elements with SAR markings that contain @ism:compliesWith="USGov USDOD USIC" MUST contain only one token in @ism:SARIdentifier.
<a href="#">ISM-ID-00532</a>	[Error] For all elements with @ism:SARIdentifier with tokens that include classification portion marks (e.g., DOD:TS:aaaa or DOD:C:bbbb), the value of the classification portion mark cannot be higher than @ism:classification on the same element.
<a href="#">ISM-ID-00533</a>	[Error] All resource elements with three or more @ism:SARIdentifier tokens will result in an error when @ism:compliesWith are both DoD and IC.
<a href="#">ISM-ID-00534</a>	[Error] All elements with @ism:SARIdentifier token(s) containing a dash (-) (excluding the SAR- prefix) will result in an error when @ism:compliesWith are both DoD and IC. DoD and IC rules differ on how to render SAP markings containing dashes; therefore, it is not allowed to have SAPs with dashes in a document that complies with both DoD and IC rules.
<a href="#">ISM-ID-00535</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [WAIVED], then attribute @ism:compliesWith must contain [USDOD].
<a href="#">ISM-ID-00463</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [BUR], then attribute @ism:disseminationControls must contain the name token [NF].

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00464</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [RSV], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00465</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [BUR], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00466</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [KLM], then attribute @ism:classification must have a value of [TS] or [S].
<a href="#">ISM-ID-00467</a>	[Warning] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains one of the name tokens [RD] or [FRD], then [RD] and [FRD] SHOULD contain [NF]. In order to release [RD] or [FRD] data to a foreign partner, ensure you have established a sharing agreement per the AEA.
<a href="#">ISM-ID-00468</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains a token starting with [KLM-R], then attribute @ism:classification must have a value of [TS].
<a href="#">ISM-ID-00469</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains a token starting with [KLM-R], then attribute @ism:disseminationControls must contain the name token [NF].
<a href="#">ISM-ID-00470</a>	[Error] If ISM_USGOV_RESOURCE and @ism:SClcontrols contains a token matching [KLM-R-XXX], then @ism:disseminationControls cannot contain [OC-USGOV].
<a href="#">ISM-ID-00471</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains a name token starting with [KLM-R-], then attribute @ism:disseminationControls must contain the name token [OC].
<a href="#">ISM-ID-00472</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [MVL], then attribute @ism:classification must have a value of [TS].
<a href="#">ISM-ID-00474</a>	[Warning] If ISM_USGOV_RESOURCE and attribute @ism:SClcontrols contains the name token [HCS], then attribute @ism:SClcontrols MUST include one of the tokens [HCS-O], [HCS-P] or [HCS-X].
<a href="#">ISM-ID-00475</a>	[Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, and there exists a token in @ism:cuiSpecified on the ISM_RESOURCE_ELEMENT and no compilation reason, then the token must also be specified in the @ism:cuiSpecified attribute on at least one portion.
<a href="#">ISM-ID-00476</a>	[Error] If @ism:compliesWith="USA-CUI-ONLY" then attributes @ism:SClcontrols, @ism:SARIdentifier, @ism:atomicEnergyMarkings, @ism:FGIsourcesOpen and @ism:FGIsourcesProtected must not be specified.

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00478</a>	[Error] If the document has @ism:compliesWith containing the token [USA-CUI], then @ism:compliesWith cannot contain [USIC], because CUI has not yet been implemented in the IC.
<a href="#">ISM-ID-00479</a>	[Error] If @ism:compliesWith contains "USA-CUI" then there MUST be some other token in ism:compliesWith.
<a href="#">ISM-ID-00480</a>	[Warning] Attribute @ism:cuiBasic should not contain any values which will be deprecated.
<a href="#">ISM-ID-00481</a>	[Warning] Attribute @ism:cuiSpecified should not contain any values which will be deprecated.
<a href="#">ISM-ID-00482</a>	[Error] Attribute @ism:cuiBasic must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00483</a>	[Error] Attribute @ism:cuiSpecified must not contain values which have passed their deprecation date.
<a href="#">ISM-ID-00484</a>	[Error] All @ism:cuiBasic attributes must be of type NmTokens.
<a href="#">ISM-ID-00485</a>	[Error] All @ism:cuiSpecified attributes must be of type NmTokens.
<a href="#">ISM-ID-00486</a>	[Error] If ISM_USCUIONLY_RESOURCE or ISM_USCUI_RESOURCE then attribute @ism:nonICmarkings must not be specified.
<a href="#">ISM-ID-00119</a>	[Error] If ISM_USIC_RESOURCE and 1. attribute @ism:classification is not [U] AND 2. not ISM_710_FDR_EXEMPT AND 3. attribute @ism:excludeFromRollup is not true AND 4. attribute @ism:disseminationControls must contain one or more of [DISPLAYONLY], [REL], [RELIDO], [EYES], or [NF].
<a href="#">ISM-ID-00225</a>	[Error] If subject to IC rules, then attribute @ism:nonICmarkings must NOT be specified with a value containing any name token starting with [ACCM] or [NNPI].
<a href="#">ISM-ID-00251</a>	[Error] If ISM_USIC_RESOURCE, then attribute @ism:noticeType must not be specified with a value of [COMSEC].
<a href="#">ISM-ID-00378</a>	[Error] All joint attributes must be of type Boolean.
<a href="#">ISM-ID-00381</a>	[Error] 1. @ism:compliesWith of resource element contains USIC or USDOD 2. @ism:compliesWith must also contain USGov
<a href="#">ISM-ID-00382</a>	[Error] For all elements with single-valued @ism:ownerProducer, @ism:joint must NOT be true.
<a href="#">ISM-ID-00383</a>	[Error] For elements with @ism:joint set to true, one of the values of @ism:ownerProducer must be USA.
<a href="#">ISM-ID-00445</a>	[Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'USAgency' that is version '202207' (Version:2022-JUL) or later. NOTE: This is not an error of the instance document but of the validation environment itself.

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00446</a>	[Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'MN' that is version '202111' (Version:2021-NOV) or later. NOTE: This is not an error of the instance document but of the validation environment itself.
<a href="#">ISM-ID-00447</a>	[Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'LIC' that is version '201508' (Version:2015-AUG) or later. NOTE: This is not an error of the instance document but of the validation environment itself.
<a href="#">ISM-ID-00448</a>	[Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'AUTHCAT' that is version '201804' (Version:2018-APR) or later. NOTE: This is not an error of the instance document but of the validation environment itself.
<a href="#">ISM-ID-00449</a>	[Error] The ARH elements cannot be used as root elements.
<a href="#">ISM-ID-00450</a>	[Warning] @arh:DESVersion is a DEPRECATED attribute.
<a href="#">ISM-ID-00451</a>	[Error] Every ARH attribute in the document must be specified with a non-whitespace value.
<a href="#">ISM-ID-00452</a>	[Warning] @ntk:DESVersion is a DEPRECATED attribute.
<a href="#">ISM-ID-00453</a>	[Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains a token matching [HCS-P-XXXXXX], where X is represented by the regular expression character class [A-Z0-9]{1,6}, then attribute @ism:classification must have a value of [TS].
<a href="#">ISM-ID-00510</a>	[Error] arh:Security element must contain @ism:resourceElement attribute.
<a href="#">ISM-ID-00511</a>	[Error] arh:Security/@ism:resourceElement attribute must be true.
<a href="#">ISM-ID-00520</a>	[Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'ROLE' that is version '202111' (Version:2021-NOV) or later. NOTE: This is not an error of the instance document but of the validation environment itself.
<a href="#">ISM-ID-00002</a>	[Error] For every attribute in the ISM namespace that is used in a document, a non-null value must be present.
<a href="#">ISM-ID-00012</a>	[Error] If the document is not USA-CUI-ONLY, AND: 1. any of the attributes defined in this DES other than @ism:DESVersion, @ism:ISMCATCESVersion, @ism:unregisteredNoticeType, or @ism:pocType are specified for an element, OR 2. the current node is one of elements arh:Security, arh:ExternalSecurity, ntk:Access or ntk:AccessProfile, then attributes @ism:classification and @ism:ownerProducer must be specified for the element.
<a href="#">ISM-ID-00102</a>	[Error] The attribute @ism:DESVersion in the namespace urn:us:gov:ic:ism must be specified.
<a href="#">ISM-ID-00103</a>	[Error] At least one element must have attribute @ism:resourceElement specified with a value of [true].

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00118</a>	[Error] The first element in document order having @ism:resourceElement specified with a value of [true] must have @ism:createDate specified.
<a href="#">ISM-ID-00125</a>	[Error] If any attributes in namespace urn:us:gov:ic:ism exist, the local name must exist in CVEnumISMAttributes.xml.
<a href="#">ISM-ID-00163</a>	[Error] If attribute @ism:nonUSControls exists either 1. the attribute @ism:ownerProducer must equal [NATO] or a [NATO:NAC] OR 2. the attribute @ism:FGIsourceOpen must contain [NATO] or a [NATO:NAC] OR 3. the attribute @ism:FGIsourceProtected is used (This should only be the case when it is a resource level or super portion marking)
<a href="#">ISM-ID-00194</a>	[Warning] Attribute @ism:noticeType should not contain any values which will be deprecated.
<a href="#">ISM-ID-00195</a>	[Error] Attribute @ism:noticeType must NOT contain values which have passed their deprecation date.
<a href="#">ISM-ID-00236</a>	[Error] Duplicate tokens are not permitted in ISM attributes.
<a href="#">ISM-ID-00248</a>	[Error] ISM_RESOURCE_ELEMENT cannot have @ism:externalNotice set to [true].
<a href="#">ISM-ID-00300</a>	[Warning] @ism:DESVersion attributes SHOULD be specified as revision 202111.202211 (Revision:2021-NOVr2022-NOV) with an optional extension.
<a href="#">ISM-ID-00323</a>	[Error] The attribute @ism:ISMCACTCESVersion in the namespace urn:us:gov:ic:ism must be specified.
<a href="#">ISM-ID-00337</a>	[Error] The first element in document order having @ism:resourceElement specified with a value of [true] must have @ism:compliesWith specified.
<a href="#">ISM-ID-00338</a>	[Error] All @ism:compliesWith values must be defined in CVEnum-ISMCompliesWith.xml.
<a href="#">ISM-ID-00339</a>	[Error] 1. @ism:ownerProducer of resource element contains USA 2. @ism:compliesWith does not contain USGov
<a href="#">ISM-ID-00340</a>	[Error] All @ism:compliesWith attributes must be of type NmTokens.
<a href="#">ISM-ID-00358</a>	[Error] A document using tetragraphs may not have a releasableTo that is less restrictive than that of any tetragraph or organization tokens used in the releasableTo fields.
<a href="#">ISM-ID-00359</a>	[Error] The classification of a tetragraph may not be greater than the classification of the document.
<a href="#">ISM-ID-00360</a>	[Error] An UNCLASSIFIED//FOUO tetragraph may not be used in a UNCLASSIFIED document that is not also FOUO.

Schematron Phase NON-ENV	
Rule Id	Rule
<a href="#">ISM-ID-00375</a>	[Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'ISMCAT' that is version '2022-NOV' (Version:2022-NOV) or later. NOTE: This is not an error of the instance document but of the validation environment itself.
<a href="#">ISM-ID-00376</a>	[Error] A portion using tetragraphs may not have a releasableTo that is less restrictive than the releasability of any tetragraph or organization tokens used in the same portion's releasableTo, displayOnlyTo, FGIsorceOpen, or FGIsorceProtected attributes. If a tetragraph XXXX in any of the attributes ownerProducer, releasableTo, displayOnlyTo, FGIsorceOpen, or FGIsorceProtected is itself marked as ism:releasableTo in the Tetragraph Taxonomy, then see if all the countries that the portion is releasableTo are also countries that the tetragraph XXXX is releasableTo. If not, error.
<a href="#">ISM-ID-00377</a>	[Error] All @ism:ownerProducer values in a JOINT document must be in the @ism:releasableTo attribute.

## Chapter 11 - Rules

All of the numbered Rules for ISM are listed in this section. These rules may depend on patterns defined in the Abstract Patterns section or on variables defined in the Schematron Schema section.

Rules identifiers are all of the format ISM-ID-XXXXX, with rule files named ISM\_ID\_XXXXX.sch. Any other heading indicates a supporting file that may influence a rule but is not actually a numbered rule.

## 11.1 - ../Rules/general/ISM\_ID\_00002.sch

### Rule Description

[ISM-ID-00002][Error] For every attribute in the ISM namespace that is used in a document, a non-null value must be present.

### Code Description

For each element which defines an attribute in the ISM namespace, this rule ensures that each attribute in the ISM namespace is specified with a non-whitespace value.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00002">
  <sch:rule id="ISM-ID-00002-R1" context="*[@ism:*]">
    <sch:assert test="every $attribute in @ism:* satisfies normalize-space(string($attribute))"
      flag="error"
      role="error">[ISM-ID-00002][Error] For every attribute in the ISM namespace that is used in a document, a non-null value must be present.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.2 - ../Rules/general/ISM\_ID\_00012.sch

### Rule Description

[ISM-ID-00012][Error] If the document is not USA-CUI-ONLY, AND: 1. any of the attributes defined in this DES other than @ism:DESVersion, @ism:ISMCATCESVersion, @ism:unregisteredNoticeType, or @ism:pocType are specified for an element, OR 2. the current node is one of elements arh:Security, arh:ExternalSecurity, ntk:Access or ntk:AccessProfile, then attributes @ism:classification and @ism:ownerProducer must be specified for the element.

### Code Description

If the document does NOT have @ism:compliesWith="USA-CUI-ONLY", then for each element which defines an attribute in the ISM namespace other than @ism:pocType, @ism:DESVersion, @ism:ISMCATCESVersion, or @ism:unregisteredNoticeType, or the element is arh:Security, or arh:ExternalSecurity or ntk:Access or ntk:AccessProfile, this rule ensures that attributes @ism:classification and @ism:ownerProducer are specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00012">
  <sch:rule id="ISM-ID-00012-R1"
    context="*[((@ism:* except (@ism:pocType | @ism:DESVersion | @ism:unregisteredNoticeType | @ism:ISMCATCESVersion)) or (self::arh:ExternalSecurity or
self::ntk:Access or self::ntk:ExternalAccess or self::ntk:AccessProfile)) and not($ISM_USCUIONLY_RESOURCE)]">
    <sch:assert test="@ism:ownerProducer and @ism:classification"
      flag="error"
      role="error">[ISM-ID-00012][Error] If the document does NOT have @ism:compliesWith="USA-CUI-ONLY", then if: 1. any of the attributes defined in this DES
other than @ism:DESVersion, @ism:ISMCATCESVersion, @ism:unregisteredNoticeType, or @ism:pocType are specified for an element, OR 2. the current node is one of elements arh:Security,
arh:ExternalSecurity, ntk:Access, or ntk:AccessProfile, then attributes @ism:classification and @ism:ownerProducer must be specified for the element.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.3 - ../Rules/USGov/ISM\_ID\_00014.sch

### Rule Description

[ISM-ID-00014][Error] If ISM\_NSI\_EO\_APPLIES then one or more of the following attributes: @ism:declassDate, @ism:declassEvent, or @ism:declassException must be specified on the ISM\_RESOURCE\_ELEMENT. Human Readable: Documents under E.O. 13526 must have declassification instructions included in the classification authority block information.

### Code Description

If ISM\_NSI\_EO\_APPLIES, this rule ensures that the ISM\_RESOURCE\_ELEMENT specifies one of the following attributes: @ism:declassDate, @ism:declassEvent, @ism:declassException.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00014">
  <sch:rule id="ISM-ID-00014-R1"
    context="*[$ISM_NSI_EO_APPLIES and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
    <sch:assert test="@ism:declassDate or @ism:declassEvent or @ism:declassException"
      flag="error"
      role="error">[ISM-ID-00014][Error] If ISM_NSI_EO_APPLIES then one or more of the following attributes: @ism:declassDate, @ism:declassEvent, or
@ism:declassException must be specified on the ISM_RESOURCE_ELEMENT. Human Readable: Documents under E.O. 13526 must have declassification instructions included in the classification authority
block information.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.4 - ../Rules/USGov/ISM\_ID\_00016.sch

### Rule Description

[ISM-ID-00016][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:classification has a value of [U], then attributes @ism:classificationReason, @ism:classifiedBy, @ism:derivativelyClassifiedBy, @ism:declassDate, @ism:declassEvent, @ism:declassException, @ism:derivedFrom, @ism:SARIdentifier, or @ism:SCIcontrols must not be specified.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:classification specified with a value of [U] this rule ensures that NONE of the following attributes are specified: @ism:classifiedBy, @ism:declassDate, @ism:declassEvent, @ism:declassException, @ism:derivativelyClassifiedBy, @ism:derivedFrom, @ism:SARIdentifier, or @ism:SCIcontrols.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00016">
  <sch:rule id="ISM-ID-00016-R1"
    context="*[$ISM_USGOV_RESOURCE and @ism:classification='U']">
    <sch:assert test="not(@ism:classificationReason or @ism:classifiedBy or @ism:declassDate or @ism:declassEvent or @ism:declassException or @ism:derivativelyClassifiedBy
or @ism:derivedFrom or @ism:SARIdentifier or @ism:SCIcontrols)"
      flag="error"
      role="error">[ISM-ID-00016][Error] If ISM_USGOV_RESOURCE and attribute @ism:classification has a value of [U], then attributes @ism:classificationReason,
@ism:classifiedBy, @ism:derivativelyClassifiedBy, @ism:declassDate, @ism:declassEvent, @ism:declassException, @ism:derivedFrom, @ism:SARIdentifier, or @ism:SCIcontrols must not be specified.</
sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.5 - ../Rules/USGov/ISM\_ID\_00017.sch

### Rule Description

[ISM-ID-00017][Error] If ISM\_NSI\_EO\_APPLIES and attribute @ism:classifiedBy is specified, then attribute @ism:classificationReason must be specified. Human Readable: Documents under E.O. 13526 containing Originally Classified data require a classification reason to be identified.

### Code Description

If ISM\_NSI\_EO\_APPLIES, for each element which specifies attribute @ism:classifiedBy, this rule ensures that attribute @ism:classificationReason is specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00017">
  <sch:rule id="ISM-ID-00017-R1"
    context="*[$ISM_NSI_EO_APPLIES and @ism:classifiedBy]">
    <sch:assert test="@ism:classificationReason" flag="error" role="error">[ISM-ID-00017][Error] If ISM_NSI_EO_APPLIES and attribute @ism:classifiedBy is specified, then
attribute @ism:classificationReason must be specified. Human Readable: Documents under E.O. 13526 containing Originally Classified data require a classification reason to be identified.</
sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.6 - ../Rules/USGov/ISM\_ID\_00028.sch

### Rule Description

[ISM-ID-00028][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:disseminationControls contains the name token [OC] or [EYES], then attribute @ism:classification must have a value of [TS], [S], or [C]. Human Readable: Portions marked for ORCON or EYES ONLY dissemination in a USA document must be CONFIDENTIAL, SECRET, or TOP SECRET.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:disseminationControls specified with a value containing the token [OC] or [EYES] this rule ensures that attribute @ism:classification is specified with a value of [C], [S], or [TS].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00028">
  <sch:rule id="ISM-ID-00028-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC', 'EYES'))]">
    <sch:assert test="@ism:classification=('TS', 'S', 'C')"
      flag="error"
      role="error">[ISM-ID-00028][Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [OC] or [EYES], then attribute
@ism:classification must have a value of [TS], [S], or [C]. Human Readable: Portions marked for ORCON or EYES ONLY dissemination in a USA document must be CONFIDENTIAL, SECRET, or TOP SECRET.</
sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.7 - ../Rules/USGov/ISM\_ID\_00030.sch

### Rule Description

[ISM-ID-00030][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:disseminationControls contains the name token [FOUO], then attribute @ism:classification must have a value of [U]. Human Readable: Portions marked for FOUO dissemination in a USA document must be classified UNCLASSIFIED.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:disseminationControls specified with a value containing the token [FOUO] this rule ensures that attribute @ism:classification is specified with a value of [U].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00030">
  <sch:rule id="ISM-ID-00030-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('FOUO'))]">
    <sch:assert test="@ism:classification='U'" flag="error" role="error">[ISM-ID-00030][Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the
name token [FOUO], then attribute @ism:classification must have a value of [U]. Human Readable: Portions marked for FOUO dissemination in a USA document must be classified UNCLASSIFIED.</
sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.8 - ../Rules/USGov/ISM\_ID\_00031.sch

### Rule Description

[ISM-ID-00031][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:disseminationControls contains the name token [REL] or [EYES], then attribute @ism:releasableTo must be specified. Human Readable: USA documents containing REL TO or EYES ONLY dissemination must specify to which countries the document is releasable.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:disseminationControls specified with a value containing the token [REL] or [EYES] this rule ensures that attribute @ism:releasableTo is specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00031">
  <sch:rule id="ISM-ID-00031-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('REL', 'EYES'))]">
    <sch:assert test="@ism:releasableTo" flag="error" role="error">[ISM-ID-00031][Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name
token [REL] or [EYES], then attribute @ism:releasableTo must be specified. Human Readable: USA documents containing REL TO or EYES ONLY dissemination must specify to which countries the
document is releasable.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.9 - ../Rules/USGov/ISM\_ID\_00032.sch

### Rule Description

[ISM-ID-00032][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:disseminationControls is not specified, or is specified and does not contain the name token [REL] or [EYES], then attribute @ism:releasableTo must not be specified. Human Readable: USA documents must only specify to which countries it is authorized for release if dissemination information contains REL TO or EYES ONLY data.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which does not specify attribute @ism:disseminationControls or specifies attribute @ism:disseminationControls with a value containing the token [REL] or [EYES] this rule ensures that attribute @ism:releasableTo is not specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00032">
  <sch:rule id="ISM-ID-00032-R1"
    context="*[$ISM_USGOV_RESOURCE and not(util:containsAnyOfTheTokens(@ism:disseminationControls, ('REL', 'EYES')))]">
    <sch:assert test="not(@ism:releasableTo)" flag="error" role="error">[ISM-ID-00032][Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls is not
specified, or is specified and does not contain the name token [REL] or [EYES], then attribute @ism:releasableTo must not be specified. Human Readable: USA documents must only specify to which
countries it is authorized for release if dissemination information contains REL TO or EYES ONLY data.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.10 - ../Rules/USGov/ISM\_ID\_00033.sch

### Rule Description

[ISM-ID-00033][Error] If ISM\_USGOV\_RESOURCE, then tokens [REL], [EYES] and [NF] are mutually exclusive for attribute @ism:disseminationControls.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:disseminationControls specified with a value containing the token [REL], [EYES] or [NF], this rule ensures that attribute @ism:disseminationControls is specified with a value containing only one of the tokens [REL], [EYES] or [NF].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00033" is-a="MutuallyExclusiveAttributeValues">
  <sch:param name="context"
    value="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('REL', 'EYES', 'NF'))]"/>
  <sch:param name="attrValue" value="@ism:disseminationControls"/>
  <sch:param name="mutuallyExclusiveTokenList" value="('REL', 'EYES', 'NF')"/>
  <sch:param name="errMsg"
    value="' [ISM-ID-00033][Error] If ISM_USGOV_RESOURCE, then tokens [REL], [EYES] and [NF] are mutually exclusive for attribute disseminationControls. '"/>
</sch:pattern>
```

## 11.11 - ../Rules/USGov/ISM\_ID\_00037.sch

### Rule Description

[ISM-ID-00037][Error] When ISM\_USGOV\_RESOURCE and @ism:nonICmarkings contains [SBU] or [SBU-NF] then @ism:classification must equal [U]. Human Readable: SBU and SBU-NF data must be marked UNCLASSIFIED on the banner in USA documents.

### Code Description

For a resource element (@ism:resourceElement="true"), if @ism:compliesWith contains 'USGov' and @ism:nonICmarkings contains [SBU] or [SBU-NF] then @ism:classification must equal [U].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00037">
  <sch:rule id="ISM-ID-00037-R1"
    context="*[$ISM_USGOV_RESOURCE and @ism:resourceElement=true() and util:containsAnyOfTheTokens(@ism:nonICmarkings, ('SBU', 'SBU-NF'))]">
    <sch:assert test="@ism:classification='U'" flag="error" role="error">[ISM-ID-00037][Error] When ISM_USGOV_RESOURCE and @ism:nonICmarkings contains [SBU] or [SBU-NF]
then @ism:classification must equal [U]. Human Readable: SBU and SBU-NF data must be marked UNCLASSIFIED on the banner in USA documents.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.12 - ../Rules/USGov/ISM\_ID\_00038.sch

### Rule Description

[ISM-ID-00038][Error] If ISM\_USGOV\_RESOURCE, then the tokens [XD], [ND], [SBU], and [SBU-NF] are mutually exclusive for attribute @ism:nonICmarkings. Human Readable: USA documents must not specify [XD], [ND], [SBU], and/or [SBU-NF] commingled on a single element.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:nonICmarkings specified with a value containing the token [XD], [ND], [SBU], or [SBU-NF] this rule ensures that attribute @ism:nonICmarkings is not specified with a value containing more than one of the tokens [XD], [ND], [SBU], or [SBU-NF].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00038" is-a="MutuallyExclusiveAttributeValues">
  <sch:param name="context"
    value="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:nonICmarkings, ('XD', 'ND', 'SBU', 'SBU-NF'))]"/>
  <sch:param name="attrValue" value="@ism:nonICmarkings"/>
  <sch:param name="mutuallyExclusiveTokenList" value="('XD', 'ND', 'SBU', 'SBU-NF')"/>
  <sch:param name="errMsg"
    value="' [ISM-ID-00038][Error] If ISM_USGOV_RESOURCE, then the tokens [XD], [ND], [SBU], and [SBU-NF] are mutually exclusive for attribute nonICmarkings. Human
Readable: USA documents must not specify [XD], [ND], [SBU], and/or [SBU-NF] commingled on a single element. '"/>
</sch:pattern>
```

## 11.13 - ../Rules/USGov/ISM\_ID\_00040.sch

### Rule Description

[ISM-ID-00040][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:ownerProducer contains [USA] then attribute @ism:classification must have a value in CVEnumISMClassificationUS.xml.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00040" is-a="ValidateValueExistenceInList">
  <sch:param name="context"
    value="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:ownerProducer, ('USA'))]"/>
  <sch:param name="searchTerm" value="@ism:classification"/>
  <sch:param name="list" value="$classificationUSList"/>
  <sch:param name="errMsg"
    value="' [ISM-ID-00040][Error] If ISM_USGOV_RESOURCE and attribute ownerProducer contains [USA] then attribute classification must have a value in
CVEnumISMClassificationUS.xml. '"/>
</sch:pattern>
```

## 11.14 - ../Rules/USGov/ISM\_ID\_00043.sch

### Rule Description

[ISM-ID-00043][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains the name token [SI], then attribute @ism:classification must have a value of [TS], [S], or [C]. Human Readable: A USA document containing Special Intelligence (SI) data must be classified CONFIDENTIAL, SECRET, or TOP SECRET.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing the token [SI] this rule ensures that attribute @ism:classification is specified with a value containing the token [TS], [S], or [C].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00043">
  <sch:rule id="ISM-ID-00043-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('SI'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S', 'C'))"
      flag="error"
      role="error">[ISM-ID-00043][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [SI], then attribute @ism:classification
must have a value of [TS], [S], or [C]. Human Readable: A USA document containing Special Intelligence (SI) data must be classified CONFIDENTIAL, SECRET, or TOP SECRET.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.15 - ../Rules/USGov/ISM\_ID\_00044.sch

### Rule Description

[ISM-ID-00044][Error] If the document is an ISM\_USGOV\_RESOURCE and the attribute @ism:SCIcontrols contain a name token with [SI-G], then the attribute @ism:classification must have a value of [TS]. Human Readable: A USA document containing Special Intelligence (SI) GAMMA compartment data must be classified TOP SECRET.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing a token with [SI-G] this rule ensures that attribute @ism:classification is specified with a value containing the token [TS].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00044">
  <sch:rule id="ISM-ID-00044-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:SCIcontrols, ('^SI-G$'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS'))"
      flag="error"
      role="error">[ISM-ID-00044][Error] If the document is an ISM_USGOV_RESOURCE and the attribute @ism:SCIcontrols contain a name token with [SI-G], then the
attribute @ism:classification must have a value of [TS]. Human Readable: A USA document containing Special Intelligence (SI) GAMMA compartment data must be classified TOP SECRET.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.16 - ../Rules/USGov/ISM\_ID\_00045.sch

### Rule Description

[ISM-ID-00045][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains a name token starting with [SI-G], then attribute @ism:disseminationControls must contain the name token [OC]. Human Readable: A USA document containing Special Intelligence (SI) GAMMA compartment data must be marked for ORIGINATOR CONTROLLED dissemination.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing a token starting with [SI-G] this rule ensures that attribute @ism:disseminationControls is specified with a value containing the token [OC].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00045">
  <sch:rule id="ISM-ID-00045-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:SCIcontrols, ('^SI-G$'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC'))"
      flag="error"
      role="error">[ISM-ID-00045][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains a name token starting with [SI-G], then attribute
@ism:disseminationControls must contain the name token [OC]. Human Readable: A USA document containing Special Intelligence (SI) GAMMA compartment data must be marked for ORIGINATOR CONTROLLED
dissemination.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.17 - ../Rules/USGov/ISM\_ID\_00047.sch

### Rule Description

[ISM-ID-00047][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains the name token [TK], then attribute @ism:classification must have a value of [TS] or [S]. Human Readable: A USA document containing TALENT KEYHOLE data must be classified SECRET or TOP SECRET.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing the token [TK] this rule ensures that attribute @ism:classification is specified with a value containing the token [TS] or [S].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00047">
  <sch:rule id="ISM-ID-00047-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('TK'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S'))"
      flag="error"
      role="error">[ISM-ID-00047][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [TK], then attribute @ism:classification
must have a value of [TS] or [S]. Human Readable: A USA document containing TALENT KEYHOLE data must be classified SECRET or TOP SECRET.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.18 - ../Rules/USGov/ISM\_ID\_00048.sch

### Rule Description

[ISM-ID-00048][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS], then attribute @ism:classification must have a value of [TS] or [S]. Human Readable: A USA document containing HCS data must be classified SECRET or TOP SECRET.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing the token [HCS] this rule ensures that attribute @ism:classification is specified with a value containing the token [TS] or [S].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00048">
  <sch:rule id="ISM-ID-00048-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('HCS'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S'))"
      flag="error"
      role="error">[ISM-ID-00048][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS], then attribute @ism:classification
must have a value of [TS] or [S]. Human Readable: A USA document containing HCS data must be classified SECRET or TOP SECRET.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.19 - ../Rules/USGov/ISM\_ID\_00049.sch

### Rule Description

[ISM-ID-00049][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS], then attribute @ism:disseminationControls must contain the name token [NF]. Human Readable: A USA document containing HCS data must be marked for NO FOREIGN dissemination.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing the token [HCS] this rule ensures that attribute @ism:disseminationControls is specified with a value containing the token [NF].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00049">
  <sch:rule id="ISM-ID-00049-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('HCS'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
      flag="error"
      role="error">[ISM-ID-00049][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS], then attribute
@ism:disseminationControls must contain the name token [NF]. Human Readable: A USA document containing HCS data must be marked for NO FOREIGN dissemination.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.20 - ../Rules/USGov/ISM\_ID\_00056.sch

### Rule Description

[ISM-ID-00056][Error] If the document is an ISM\_USGOV\_RESOURCE and attribute @ism:classification of ISM\_RESOURCE\_ELEMENT has a value of [U] then no element meeting ISM\_CONTRIBUTES in the document may have a @ism:classification attribute of [C], [S], [TS], or [R]. Human Readable: USA UNCLASSIFIED documents cannot have portion markings with the classification TOP SECRET, SECRET, CONFIDENTIAL, or RESTRICTED data.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE and attribute @ism:classification on \$ISM\_RESOURCE\_ELEMENT has a value of [U], this rule ensures that no element meeting ISM\_CONTRIBUTES has attribute @ism:classification with value [C], [S], [TS], [R].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00056">
  <sch:rule id="ISM-ID-00056-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and normalize-space(string(@ism:classification)) = 'U']">
    <sch:assert test="every $ele in $partTags satisfies not(util:containsAnyOfTheTokens($ele/@ism:classification, ('C', 'S', 'TS', 'R')))"
      flag="error"
      role="error">[ISM-ID-00056][Error] If the document is an ISM_USGOV_RESOURCE and attribute @ism:classification of ISM_RESOURCE_ELEMENT has a value of [U]
then no element meeting ISM_CONTRIBUTES in the document may have a @ism:classification attribute of [C], [S], [TS], or [R]. Human Readable: USA UNCLASSIFIED documents cannot have portion
markings with the classification TOP SECRET, SECRET, CONFIDENTIAL, or RESTRICTED data.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.21 - ../Rules/USGov/ISM\_ID\_00058.sch

### Rule Description

[ISM-ID-00058][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:classification of ISM\_RESOURCE\_ELEMENT has a value of [C] then no element meeting ISM\_CONTRIBUTES\_USA in the document may have a @ism:classification attribute of [S] or [TS]. Human Readable: USA CONFIDENTIAL documents cannot have TOP SECRET or SECRET data.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE and attribute @ism:classification on \$ISM\_RESOURCE\_ELEMENT has a value of [C], this rule ensures that no element meeting ISM\_CONTRIBUTES\_USA has attribute @ism:classification with value [S], [TS].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00058">
  <sch:rule id="ISM-ID-00058-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and normalize-space(string(@ism:classification))='C']">
    <sch:assert test="every $ele in $partTags satisfies not(util:containsAnyOfTheTokens($ele/@ism:classification, ('S', 'TS')))"
      flag="error"
      role="error">[ISM-ID-00058][Error] If ISM_USGOV_RESOURCE and attribute @ism:classification of ISM_RESOURCE_ELEMENT has a value of [C] then no element
meeting ISM_CONTRIBUTES_USA in the document may have a @ism:classification attribute of [S] or [TS]. Human Readable: USA CONFIDENTIAL documents cannot have TOP SECRET or SECRET data.</
sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.22 - ../Rules/USGov/ISM\_ID\_00059.sch

### Rule Description

[ISM-ID-00059][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:classification of ISM\_RESOURCE\_ELEMENT has a value of [S] then no element meeting ISM\_CONTRIBUTES\_USA in the document may have a @ism:classification attribute of [TS]. Human Readable: USA SECRET documents can't have TOP SECRET data.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE and attribute @ism:classification on \$ISM\_RESOURCE\_ELEMENT has a value of [S], this rule ensures that no element meeting ISM\_CONTRIBUTES\_USA has attribute @ism:classification with value [TS].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00059">
  <sch:rule id="ISM-ID-00059-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and normalize-space(string(@ism:classification))='S']">
    <sch:assert test="every $ele in $partTags satisfies not(util:containsAnyOfTheTokens($ele/@ism:classification, ('TS')))"
      flag="error"
      role="error">[ISM-ID-00059][Error] If ISM_USGOV_RESOURCE and attribute @ism:classification of ISM_RESOURCE_ELEMENT has a value of [S] then no element
meeting ISM_CONTRIBUTES_USA in the document may have a @ism:classification attribute of [TS]. Human Readable: USA SECRET documents can't have TOP SECRET data.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.23 - ../Rules/USGov/ISM\_ID\_00064.sch

### Rule Description

[ISM-ID-00064][Error] If ISM\_USGOV\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document have the attribute @ism:FGIsourceOpen containing any value then the ISM\_RESOURCE\_ELEMENT must have either @ism:FGIsourceOpen or @ism:FGIsourceProtected with a value. Human Readable: USA documents having FGI Open data must have FGI Open or FGI Protected at the resource level.

### Code Description

If IC Markings System Register and Manual marking rules do not apply to the document then this rule does not apply and this rule returns true. If the current element has attribute @ism:FGIsourceOpen specified and does not have attribute @ism:excludeFromRollup set to true, this rule ensures that the resourceElement has one of the following attributes specified: @ism:FGIsourceOpen or @ism:FGIsourceProtected.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00064">
  <sch:rule id="ISM-ID-00064-R1"
    context="*[generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
    <sch:assert test="if(not($ISM_USGOV_RESOURCE)) then true() else if(not(empty($partFGIsourceOpen))) then ($bannerFGIsourceOpen or $bannerFGIsourceProtected) else true()"
      flag="error"
      role="error">[ISM-ID-00064][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute @ism:FGIsourceOpen
containing any value then the ISM_RESOURCE_ELEMENT must have either @ism:FGIsourceOpen or @ism:FGIsourceProtected with a value. Human Readable: USA documents having FGI Open data must have FGI
Open or FGI Protected at the resource level.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.24 - ../Rules/USGov/ISM\_ID\_00065.sch

### Rule Description

[ISM-ID-00065][Error] If ISM\_USGOV\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document have the attribute @ism:FGIsourceProtected containing any value then the ISM\_RESOURCE\_ELEMENT must have @ism:FGIsourceProtected with a value. Human Readable: USA documents having FGI Protected data must have FGI Protected at the resource level.

### Code Description

If IC Markings System Register and Manual rules do not apply to the document then the rule does not apply and this rule returns true. If any element has attribute @ism:FGIsourceProtected specified with a non-empty value and does not have attribute @ism:excludeFromRollup set to true, then this rule ensures that the banner has attribute @ism:FGIsourceProtected specified with a non-empty value.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00065">
  <sch:rule id="ISM-ID-00065-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and not(empty($partFGIsourceProtected))]">
    <sch:assert test="@ism:FGIsourceProtected" flag="error" role="error">[ISM-ID-00065][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document
have the attribute @ism:FGIsourceProtected containing any value then the ISM_RESOURCE_ELEMENT must have @ism:FGIsourceProtected with a value. Human Readable: USA documents having FGI Protected
data must have FGI Protected at the resource level.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.25 - ../Rules/USGov/ISM\_ID\_00066.sch

### Rule Description

[ISM-ID-00066][Error] If ISM\_USGOV\_RESOURCE and: 1. Any element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [FOUO] AND 2. ISM\_RESOURCE\_ELEMENT has the attribute @ism:classification [U] AND 3. No element meeting ISM\_CONTRIBUTES in the document has @ism:nonICmarkings AND 4. Elements meeting ISM\_CONTRIBUTES only contain dissemination controls [REL], [RELIDO],[NF], [DISPLAYONLY], [EYES], and [FOUO]. Then the ISM\_RESOURCE\_ELEMENT must have @ism:disseminationControls containing [FOUO]. Human Readable: USA Unclassified documents having FOUO data, no non IC Markings, and only contains dissemination controls [REL], [RELIDO], [NF], [DISPLAYONLY], [EYES], and [FOUO] must have FOUO at the resource level.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, the current element is the ISM\_RESOURCE\_ELEMENT, some element meeting ISM\_CONTRIBUTES specifies attribute @ism:disseminationControls with a value containing [FOUO], the ISM\_RESOURCE\_ELEMENT specifies the attribute @ism:classification with a value of [U], no element meeting ISM\_CONTRIBUTES specifies attribute @ism:nonICmarkings, and elements meeting ISM\_CONTRIBUTES only contain @ism:disseminationControls with tokens [REL], [RELIDO], [NF], [DISPLAYONLY], [EYES], and [FOUO], then the resource element must contain @ism:disseminationControls with a value containing the token [FOUO].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00066">
  <sch:rule id="ISM-ID-00066-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and index-of($dcTagsFound,'FOUO') > 0 and
util:containsAnyOfTheTokens(@ism:classification, ('U')) and count($partNonICmarkings_tok) = 0 and util:containsOnlyTheTokens(string-join($partDisseminationControls, ' '), ('REL', 'RELIDO',
'NF', 'EYES', 'DISPLAYONLY', 'FOUO'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('FOUO'))"
      flag="error"
      role="error">[ISM-ID-00066][Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute
@ism:disseminationControls containing [FOUO] AND 2. ISM_RESOURCE_ELEMENT has the attribute @ism:classification [U] AND 3. No element meeting ISM_CONTRIBUTES in the document has
@ism:nonICmarkings AND 4. Elements meeting ISM_CONTRIBUTES only contain dissemination controls [REL], [RELIDO],[NF], [DISPLAYONLY], [EYES], and [FOUO]. Then the ISM_RESOURCE_ELEMENT must have
@ism:disseminationControls containing [FOUO]. Human Readable: USA Unclassified documents having FOUO data, no non IC Markings, and only contains dissemination controls [REL], [RELIDO], [NF],
[DISPLAYONLY], [EYES], and [FOUO] must have FOUO at the resource level.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.26 - ../Rules/USGov/ISM\_ID\_00067.sch

### Rule Description

[ISM-ID-00067][Error] If ISM\_USGOV\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [OC] then the ISM\_RESOURCE\_ELEMENT must have @ism:disseminationControls containing [OC]. Human Readable: USA documents having ORCON data must have ORCON at the resource level.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM\_RESOURCE\_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00067" is-a="AttributeContributesToRollup">
  <sch:param name="attrLocalName" value="disseminationControls"/>
  <sch:param name="value" value="OC"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00067][Error] USA documents having ORCON data must have ORCON at the resource level.'"/>
</sch:pattern>
```

## 11.27 - ../Rules/USGov/ISM\_ID\_00068.sch

### Rule Description

[ISM-ID-00068][Error] If ISM\_USGOV\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [IMC] then the ISM\_RESOURCE\_ELEMENT must have @ism:disseminationControls containing [IMC]. Human Readable: USA documents having IMCON data must have IMCON at the resource level.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM\_RESOURCE\_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00068" is-a="AttributeContributesToRollup">
  <sch:param name="attrLocalName" value="disseminationControls"/>
  <sch:param name="value" value="IMC"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00068][Error] USA documents having IMCON data must have IMCON at the resource level.'"/>
</sch:pattern>
```

## 11.28 - ../Rules/USGov/ISM\_ID\_00070.sch

### Rule Description

[ISM-ID-00070][Error] If ISM\_USGOV\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [NF] then the ISM\_RESOURCE\_ELEMENT must have @ism:disseminationControls containing [NF]. Human Readable: USA documents having NF data must have NF at the resource level.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM\_RESOURCE\_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00070" is-a="AttributeContributesToRollup">
  <sch:param name="attrLocalName" value="disseminationControls"/>
  <sch:param name="value" value="NF"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00070][Error] USA documents having NF data must have NF at the resource level.'"/>
</sch:pattern>
```

## 11.29 - ../Rules/USGov/ISM\_ID\_00071.sch

### Rule Description

[ISM-ID-00071][Error] If ISM\_USGOV\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [PR] then the ISM\_RESOURCE\_ELEMENT must have @ism:disseminationControls containing [PR]. Human Readable: USA documents having PROPIN data must have PROPIN at the resource level.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM\_RESOURCE\_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00071" is-a="AttributeContributesToRollup">
  <sch:param name="attrLocalName" value="disseminationControls"/>
  <sch:param name="value" value="PR"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00071][Error] USA documents having PROPIN data must have PROPIN at the resource level.'"/>
</sch:pattern>
```

## 11.30 - ../Rules/USGov/ISM\_ID\_00072.sch

### Rule Description

[ISM-ID-00072][Error] If ISM\_USGOV\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document have the attribute @ism:atomicEnergyMarkings containing [RD] then the ISM\_RESOURCE\_ELEMENT must have @ism:atomicEnergyMarkings containing [RD]. Human Readable: USA documents having Restricted Data (RD) must have RD at the resource level.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM\_RESOURCE\_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00072" is-a="AttributeContributesToRollup">
  <sch:param name="attrLocalName" value="atomicEnergyMarkings"/>
  <sch:param name="value" value="RD"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00072][Error] USA documents having Restricted Data (RD) must have RD at the resource level.'"/>
</sch:pattern>
```

## 11.31 - ../Rules/USGov/ISM\_ID\_00073.sch

### Rule Description

[ISM-ID-00073][Error] If ISM\_USGOV\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document have the attribute @ism:atomicEnergyMarkings containing [RD-CNWDI] then the ISM\_RESOURCE\_ELEMENT must have @ism:atomicEnergyMarkings containing [RD-CNWDI]. Human Readable: USA documents having Restricted CNWDI Data must have Restricted CNWDI Data at the resource level.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM\_RESOURCE\_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00073" is-a="AttributeContributesToRollup">
  <sch:param name="attrLocalName" value="atomicEnergyMarkings"/>
  <sch:param name="value" value="RD-CNWDI"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00073][Error] USA documents having Restricted CNWDI Data must have Restricted CNWDI Data at the resource level.'"/>
</sch:pattern>
```

## 11.32 - ../Rules/USGov/ISM\_ID\_00074.sch

### Rule Description

[ISM-ID-00074][Error] If ISM\_USGOV\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [RD-SG-##] then the ISM\_RESOURCE\_ELEMENT must have @ism:atomicEnergyMarkings containing [RD-SG-##]. ## represent digits 1 through 99 the ## must match. Human Readable: USA documents having Restricted SIGMA-## Data must have the same Restricted SIGMA-## Data at the resource level.

### Code Description

If IC Markings System Register and Manual rules do not apply to the document then the rule does not apply and this rule returns true. This rule ensures that no element that does not have attribute @ism:excludeFromRollup set to true has attribute @ism:atomicEnergyMarkings specified with a value containing [RD-SG-##], where ## is represented by a regular expression matching numbers 1 through 99, unless the resourceElement also has attribute @ism:atomicEnergyMarkings specified with a value containing [RD-SG-##].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00074">
  <sch:rule id="ISM-ID-00074-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
    <sch:let name="matchingTokens"
      value="for $token in $partAtomicEnergyMarkings_tok return if(matches($token,'^RD-SG-[1-9][0-9]?$')) then $token else null"/>
    <sch:assert test="every $token in $matchingTokens satisfies index-of($bannerAtomicEnergyMarkings_tok, $token) > 0"
      flag="error"
      role="error">[ISM-ID-00074][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings
containing [RD-SG-##] then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [RD-SG-##]. ## represent digits 1 through 99 the ## must match. Human Readable: USA documents
having Restricted SIGMA-## Data must have the same Restricted SIGMA-## Data at the resource level.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.33 - ../Rules/USGov/ISM\_ID\_00075.sch

### Rule Description

[ISM-ID-00075][Error] If ISM\_USGOV\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document having the attribute @ism:atomicEnergyMarkings containing [FRD] and no elements meeting ISM\_CONTRIBUTES having the attribute @ism:atomicEnergyMarkings containing [RD], then the ISM\_RESOURCE\_ELEMENT must have @ism:atomicEnergyMarkings containing [FRD]. Human Readable: USA documents having Formerly Restricted Data (FRD) and not having Restricted Data (RD) must have FRD at the resource level.

### Code Description

This rule uses an abstract pattern to consolidate logic. For details on the code description, see the abstract pattern.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00075" is-a="AttributeContributesToRollupWithException">
  <sch:param name="attrLocalName" value="atomicEnergyMarkings"/>
  <sch:param name="exceptAttrLocalName" value="atomicEnergyMarkings"/>
  <sch:param name="value" value="FRD"/>
  <sch:param name="exceptValueList" value="('RD')"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00075][Error] USA documents having Formerly Restricted Data (FRD) and not having Restricted Data (RD) must have FRD at the resource level.'"/>
</sch:pattern>
```

## 11.34 - ../Rules/USGov/ISM\_ID\_00077.sch

### Rule Description

[ISM-ID-00077][Error] If ISM\_USGOV\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [FRD-SG-##] and the ISM\_RESOURCE\_ELEMENT does not have @ism:atomicEnergyMarkings containing [RD], then the ISM\_RESOURCE\_ELEMENT must have @ism:atomicEnergyMarkings containing [FRD-SG-##]. ## represent digits 1 through 99 the ## must match. Human Readable: USA documents having Formerly Restricted SIGMA-## data and not having RD data must have the same Formerly Restricted SIGMA-## Data at the resource level.

### Code Description

If IC Markings System Register and Manual rules do not apply to the document then the rule does not apply and this rule returns true. This rule ensures that no element that does not have attribute @ism:excludeFromRollup set to true has attribute @ism:atomicEnergyMarkings specified with a value containing [FRD-SG-##], where ## is represented by a regular expression matching numbers 1 through 99, unless the resourceElement also has attribute @ism:atomicEnergyMarkings specified with a value containing [FRD-SG-##] or [RD] is specified on the ISM\_RESOURCE\_ELEMENT.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00077">
  <sch:rule id="ISM-ID-00077-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and not(util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/
@ism:atomicEnergyMarkings, ('RD')))]">
    <sch:let name="matchingTokens"
      value="for $token in $partAtomicEnergyMarkings_tok return if(matches($token,'^FRD-SG-[1-9][0-9]?$')) then $token else null"/>
    <sch:assert test="every $token in $matchingTokens satisfies index-of($bannerAtomicEnergyMarkings_tok, $token) > 0"
      flag="error"
      role="error">[ISM-ID-00077][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings
containing [FRD-SG-##] and the ISM_RESOURCE_ELEMENT does not have @ism:atomicEnergyMarkings containing [RD], then the ISM_RESOURCE_ELEMENT must have @ism:atomicEnergyMarkings containing [FRD-
SG-##]. ## represent digits 1 through 99 the ## must match. Human Readable: USA documents having Formerly Restricted SIGMA-## data and not having RD data must have the same Formerly Restricted
SIGMA-## Data at the resource level.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.35 - ../Rules/USGov/ISM\_ID\_00078.sch

### Rule Description

[ISM-ID-00078][Error] If ISM\_USGOV\_RESOURCE and the ISM\_RESOURCE\_ELEMENT node's classification has the value of [U] and any element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [DCNI] then the ISM\_RESOURCE\_ELEMENT must have @ism:atomicEnergyMarkings containing [DCNI]. Human Readable: Unclassified USA documents having DCNI Data must have DCNI at the resource level.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE, the ISM\_RESOURCE\_ELEMENT specifies attribute @ism:classification with a value of \$resourceElementClassification, and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM\_RESOURCE\_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00078" is-a="AttributeContributesToRollupWithClassification">
  <sch:param name="attrLocalName" value="atomicEnergyMarkings"/>
  <sch:param name="value" value="DCNI"/>
  <sch:param name="resourceElementClassification" value="U"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00078][Error] Unclassified USA documents having DCNI Data must have DCNI at the resource level.'"/>
</sch:pattern>
```

## 11.36 - ../Rules/USGov/ISM\_ID\_00079.sch

### Rule Description

[ISM-ID-00079][Error] If ISM\_USGOV\_RESOURCE and ISM\_RESOURCE\_ELEMENT element's classification has the value of [U] and any element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [UCNI] then the ISM\_RESOURCE\_ELEMENT must have @ism:atomicEnergyMarkings containing [UCNI]. Human Readable: Unclassified USA documents having UCNI Data must have UCNI at the resource level.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE, the ISM\_RESOURCE\_ELEMENT specifies attribute @ism:classification with a value of \$resourceElementClassification, and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM\_RESOURCE\_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00079" is-a="AttributeContributesToRollupWithClassification">
  <sch:param name="attrLocalName" value="atomicEnergyMarkings"/>
  <sch:param name="value" value="UCNI"/>
  <sch:param name="resourceElementClassification" value="U"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00079][Error] Unclassified USA documents having UCNI Data must have UCNI at the resource level.'"/>
</sch:pattern>
```

## 11.37 - ../Rules/USGov/ISM\_ID\_00080.sch

### Rule Description

[ISM-ID-00080][Error] If ISM\_USGOV\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [DSEN] then the ISM\_RESOURCE\_ELEMENT must have @ism:disseminationControls containing [DSEN]. Human Readable: USA documents having DSEN Data must have DSEN at the resource level.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM\_RESOURCE\_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00080" is-a="AttributeContributesToRollup">
  <sch:param name="attrLocalName" value="disseminationControls"/>
  <sch:param name="value" value="DSEN"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00080][Error] USA documents having DSEN Data must have DSEN at the resource level.'"/>
</sch:pattern>
```

## 11.38 - ../Rules/USGov/ISM\_ID\_00081.sch

### Rule Description

[ISM-ID-00081][Error] If ISM\_USGOV\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [FISA] then the ISM\_RESOURCE\_ELEMENT must have @ism:disseminationControls containing [FISA]. Human Readable: USA documents having FISA Data must have FISA at the resource level.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM\_RESOURCE\_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00081" is-a="AttributeContributesToRollup">
  <sch:param name="attrLocalName" value="disseminationControls"/>
  <sch:param name="value" value="FISA"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00081][Error] USA documents having FISA Data must have FISA at the resource level.'"/>
</sch:pattern>
```

## 11.39 - ../Rules/USGov/ISM\_ID\_00084.sch

### Rule Description

[ISM-ID-00084][Error] If ISM\_USGOV\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document have the attribute @ism:nonICmarkings containing [DS] then the ISM\_RESOURCE\_ELEMENT must have @ism:nonICmarkings containing [DS]. Human Readable: Unclassified USA documents having DS Data must have DS at the resource level.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then this rule ensures that the ISM\_RESOURCE\_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00084" is-a="AttributeContributesToRollupWithClassification">
  <sch:param name="attrLocalName" value="nonICmarkings"/>
  <sch:param name="resourceElementClassification" value="U"/>
  <sch:param name="value" value="DS"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00084][Error] Unclassified USA documents having DS Data must have DS at the resource level.'"/>
</sch:pattern>
```

## 11.40 - ../Rules/USGov/ISM\_ID\_00085.sch

### Rule Description

[ISM-ID-00085][Error] If ISM\_USGOV\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [XD] and does not have any element meeting ISM\_CONTRIBUTES in the document having the attribute @ism:nonICmarkings containing [ND] then the ISM\_RESOURCE\_ELEMENT must have @ism:nonICmarkings containing [XD]. Human Readable: USA documents having XD Data and not having ND must have XD at the resource level.

### Code Description

This rule uses an abstract pattern to consolidate logic. For details on the code description, see the abstract pattern.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00085" is-a="AttributeContributesToRollupWithException">
  <sch:param name="attrLocalName" value="nonICmarkings"/>
  <sch:param name="exceptAttrLocalName" value="nonICmarkings"/>
  <sch:param name="value" value="XD"/>
  <sch:param name="exceptValueList" value="('ND')"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00085][Error] USA documents having XD Data and not having ND must have XD at the resource level.'"/>
</sch:pattern>
```

## 11.41 - ../Rules/USGov/ISM\_ID\_00086.sch

### Rule Description

[ISM-ID-00086][Error] If ISM\_USGOV\_RESOURCE and any element in the document: 1. Meets ISM\_CONTRIBUTES AND 2. Has the attribute @ism:nonICmarkings containing [ND] Then the ISM\_RESOURCE\_ELEMENT must have @ism:nonICmarkings containing [ND]. Human Readable: USA documents having ND Data must have ND at the resource level.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM\_RESOURCE\_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00086" is-a="AttributeContributesToRollup">
  <sch:param name="attrLocalName" value="nonICmarkings"/>
  <sch:param name="value" value="ND"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00086][Error] USA documents having ND Data must have ND at the resource level.'"/>
</sch:pattern>
```

## 11.42 - ../Rules/USGov/ISM\_ID\_00087.sch

### Rule Description

[ISM-ID-00087][Error] Classified USA documents having SBU-NF Data must have NF at the resource level.

### Code Description

If IC Markings System Register and Manual rules do not apply to the document then the rule does not apply and the rule returns true. If any element has attribute @ism:nonICmarkings specified with a value containing [SBU-NF], does not have attribute @ism:excludeFromRollup set to true, and the resourceElement has attribute @ism:classification specified with a value other than [U], this rule ensures that the resourceElement has attribute @ism:disseminationControls specified with a value containing [NF].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00087">
  <sch:rule id="ISM-ID-00087-R1"
    context="*[generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
    <sch:assert test="if (not($ISM_USGOV_RESOURCE)) then true() else if (index-of($partNonICmarkings_tok, 'SBU-NF') &gt; 0 and not($bannerClassification = 'U')) then (index-
of($bannerDisseminationControls_tok, 'NF') &gt; 0) else true()"
      flag="error"
      role="error">[ISM-ID-00087][Error] Classified USA documents having SBU-NF Data must have NF at the resource level.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.43 - ../Rules/USGov/ISM\_ID\_00088.sch

### Rule Description

[ISM-ID-00088][Error] If ISM\_USGOV\_RESOURCE and @ism:releasableTo is specified on the resource element then all classified portions must specify @ism:releasableTo and all Unclass portions must be REL or contain no caveats. Human Readable: USA documents having any classified portion that is not Releasable or having unclassified portions with disseminationControls that are not [REL] cannot be REL at the resource level.

### Code Description

If IC Markings System Register and Manual rules apply to the document, this rule verifies that all portions either have the attribute @ism:classification specified with a value of [U] and uncaveated or REL or classified portions of the document have the attribute @ism:releasableTo. Attribute @ism:releasableTo is only valid on an element if attribute @ism:disseminationControls is specified with a value containing [REL] or [EYES], as [REL] supersedes [EYES] in the banner. If any elements do not meet either of the two requirements stated above, then the assertion fails since attribute @ism:releasableTo appears on the banner but is not present on all classified portions.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00088">
  <sch:rule id="ISM-ID-00088-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and @ism:releasableTo]">
    <sch:assert test="every $portion in $partTags satisfies ( ($portion/@ism:classification='U' and not($portion/@ism:disseminationControls) ) or $portion/
@ism:releasableTo[normalize-space()])"
      flag="error"
      role="error">[ISM-ID-00088][Error] If ISM_USGOV_RESOURCE and @ism:releasableTo is specified on the resource element then all classified portions must
specify @ism:releasableTo and all Unclass portions must be REL or contain no caveats. Human Readable: USA documents having any classified portion that is not Releasable or having unclassified
portions with disseminationControls that are not [REL] cannot be REL at the resource level.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.44 - ../Rules/USGov/ISM\_ID\_00090.sch

### Rule Description

[ISM-ID-00090][Error] If ISM\_USGOV\_RESOURCE and any element: 1. Meets ISM\_CONTRIBUTES AND 2. Has the attribute @ism:disseminationControls containing [REL] Then the ISM\_RESOURCE\_ELEMENT must not have attribute @ism:disseminationControls containing [EYES]. Human Readable: USA documents with any portion that is REL must not be EYES at the resource level.

### Code Description

If the document is an ISM\_CAPO\_RESOURCE, the current element is the ISM\_RESOURCE\_ELEMENT, and some element meeting ISM\_CONTRIBUTES specifies attribute @ism:disseminationControls with a value containing [REL], this rule ensures that ISM\_RESOURCE\_ELEMENT does not specify attribute @ism:disseminationControls or specifies the attribute with a value that does not contain the token [EYES].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00090">
  <sch:rule id="ISM-ID-00090-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and index-of($partDisseminationControls_tok, 'REL') > 0]">
    <sch:assert test="not(util:containsAnyOfTheTokens(@ism:disseminationControls, ('EYES')))"
      flag="error"
      role="error">[ISM-ID-00090][Error] If ISM_USGOV_RESOURCE and any element: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:disseminationControls
containing [REL] Then the ISM_RESOURCE_ELEMENT must not have attribute @ism:disseminationControls containing [EYES]. Human Readable: USA documents with any portion that is REL must not be EYES
at the resource level.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.45 - ../Rules/USGov/ISM\_ID\_00097.sch

### Rule Description

[ISM-ID-00097][Warning] If ISM\_USGOV\_RESOURCE and attribute @ism:FGIsourceProtected is specified with a value other than [FGI] then the value(s) must not be discoverable in IC shared spaces. Human Readable: FGI Protected should rarely if ever be seen outside of an agency's internal systems.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies the attribute @ism:FGIsourceProtected, this rule ensures that attribute @ism:FGIsourceProtected contains only the token [FGI].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00097">
  <sch:rule id="ISM-ID-00097-R1"
    context="*[$ISM_USGOV_RESOURCE and @ism:FGIsourceProtected]">
    <sch:assert test="normalize-space(string(./@ism:FGIsourceProtected))='FGI'"
      flag="warning"
      role="warning">[ISM-ID-00097][Warning] If ISM_USGOV_RESOURCE and attribute @ism:FGIsourceProtected is specified with a value other than [FGI] then the
value(s) must not be discoverable in IC shared spaces. Human Readable: FGI Protected should rarely if ever be seen outside of an agency's internal systems.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.46 - ../Rules/USGov/ISM\_ID\_00099.sch

### Rule Description

[ISM-ID-00099][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:ownerProducer contains the token [FGI], then the token [FGI] must be the only value in attribute @ism:ownerProducer.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:ownerProducer with a value containing the token [FGI] this rule ensures that attribute @ism:ownerProducer only contains a single token.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00099">
  <sch:rule id="ISM-ID-00099-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:ownerProducer, ('FGI'))]">
    <sch:assert test="count(tokenize(normalize-space(string(@ism:ownerProducer)), ' ') = 1"
      flag="error"
      role="error">[ISM-ID-00099][Error] If ISM_USGOV_RESOURCE and attribute @ism:ownerProducer contains the token [FGI], then the token [FGI] must be the only
value in attribute @ism:ownerProducer.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.47 - ../Rules/general/ISM\_ID\_00102.sch

### Rule Description

[ISM-ID-00102][Error] The attribute @ism:DESVersion in the namespace urn:us:gov:ic:ism must be specified. Human Readable: The data encoding specification version must be specified.

### Code Description

Make sure that the attribute @ism:DESVersion is specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00102">
  <sch:rule id="ISM-ID-00102-R1"
    context="/*[descendant-or-self::*[@ism:* except (@ism:ISMCAICESVersion)]]">
    <sch:assert test="some $element in descendant-or-self::node() satisfies $element/@ism:DESVersion"
      flag="error"
      role="error">[ISM-ID-00102][Error] The attribute @ism:DESVersion in the namespace urn:us:gov:ic:ism must be specified. Human Readable: The data encoding
specification version must be specified.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.48 - ../Rules/general/ISM\_ID\_00103.sch

### Rule Description

[ISM-ID-00103][Error] At least one element must have attribute @ism:resourceElement specified with a value of [true].

### Code Description

For the document, this rule ensures that at least one element specifies attribute @ism:resourceElement with a value of [true].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00103">
  <sch:rule id="ISM-ID-00103-R1"
    context="/*[descendant-or-self::*[@ism:* except (@ism:ISMCACTESVersion)]]">
    <sch:assert test="some $token in /*[@ism:*] satisfies $token/@ism:resourceElement=true()"
      flag="error"
      role="error">[ISM-ID-00103][Error] At least one element must have attribute @ism:resourceElement specified with a value of [true].</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.49 - ../Rules/USGov/ISM\_ID\_00104.sch

### Rule Description

[ISM-ID-00104][Error] If the document is an ISM\_USGOV\_RESOURCE and any element in the document is: 1. Unclassified and meets ISM\_CONTRIBUTES AND 2. Has the attribute @ism:nonICmarkings containing [SBU-NF] AND 3. The ISM\_RESOURCE\_ELEMENT has attribute @ism:nonICmarkings does not contain [XD] or [ND] AND 4. The ISM\_RESOURCE\_ELEMENT has attribute @ism:disseminationControls does not contain [NF] Then the ISM\_RESOURCE\_ELEMENT must have @ism:nonICmarkings containing [SBU-NF]. Human Readable: USA Unclassified documents having SBU-NF and not having XD, ND, or explicit Foreign Disclosure and Release markings must have SBU-NF at the resource level.

### Code Description

If the document is Unclassified and is an ISM\_USGOV\_RESOURCE, the current element is the ISM\_RESOURCE\_ELEMENT, some element meeting ISM\_CONTRIBUTES specifies attribute @ism:nonICmarkings with a value containing the token [SBU-NF], and the attribute @ism:nonICmarkings on the ISM\_RESOURCE\_ELEMENT does not contain the token [XD] or [ND], and the attribute @ism:disseminationControls on the resource element does not contain the token [NF]; this rule ensures sure that ISM\_RESOURCE\_ELEMENT specifies attribute @ism:nonICmarkings with a value containing the token [SBU-NF].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00104">
  <sch:rule id="ISM-ID-00104-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and $bannerClassification = 'U' and index-of($partNonICmarkings_tok, 'SBU-NF') > 0 and not(util:containsAnyOfTheTokens(string-join(@ism:nonICmarkings, ' '), ('XD', 'ND')) and not(util:containsAnyOfTheTokens(string-join(@ism:disseminationControls, ' '), ('NF')))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:nonICmarkings, ('SBU-NF'))"
      flag="error"
      role="error">[ISM-ID-00104][Error] If the document is an ISM_USGOV_RESOURCE and any element in the document is: 1. Unclassified and meets ISM_CONTRIBUTES
AND 2. Has the attribute @ism:nonICmarkings containing [SBU-NF] AND 3. The ISM_RESOURCE_ELEMENT has attribute @ism:nonICmarkings does not contain [XD] or [ND] AND 4. The ISM_RESOURCE_ELEMENT
has attribute @ism:disseminationControls does not contain [NF] Then the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [SBU-NF]. Human Readable: USA Unclassified documents having
SBU-NF and not having XD, ND, or explicit Foreign Disclosure and Release markings must have SBU-NF at the resource level.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.50 - ../Rules/USGov/ISM\_ID\_00105.sch

### Rule Description

[ISM-ID-00105][Error] If the document is an ISM\_USGOV\_RESOURCE and any element in the document is: 1. Unclassified and meets ISM\_CONTRIBUTES AND 2. Has the attribute @ism:nonICmarkings containing [SBU] AND 3. No element meeting ISM\_CONTRIBUTES in the document has @ism:nonICmarkings containing any of [SBU-NF], [XD], or [ND] Then the ISM\_RESOURCE\_ELEMENT must have @ism:nonICmarkings containing [SBU]. Human Readable: USA Unclassified documents having SBU and not having SBU-NF, XD, or ND must have SBU at the resource level.

### Code Description

If the document is Unclassified and is an ISM\_USGOV\_RESOURCE, the current element is the ISM\_RESOURCE\_ELEMENT, some element meeting ISM\_CONTRIBUTES specifies attribute @ism:nonICmarkings with a value containing the token [SBU], and no element meeting ISM\_CONTRIBUTES specifies attribute @ism:nonICmarkings with a value containing the token [SBU-NF], [XD], and [ND], then this rule ensures that ISM\_RESOURCE\_ELEMENT specifies attribute @ism:nonICmarkings with a value containing the token [SBU].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00105">
  <sch:rule id="ISM-ID-00105-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and $bannerClassification = 'U' and index-of($partNonICmarkings_tok,
'SBU') > 0 and not(util:containsAnyOfTheTokens(string-join($partNonICmarkings, ' '), ('SBU-NF', 'XD', 'ND')))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:nonICmarkings, ('SBU'))"
      flag="error"
      role="error">[ISM-ID-00105][Error] If the document is an ISM_USGOV_RESOURCE and any element in the document is: 1. Unclassified and meets ISM_CONTRIBUTES AND
2. Has the attribute @ism:nonICmarkings containing [SBU] AND 3. No element meeting ISM_CONTRIBUTES in the document has @ism:nonICmarkings containing any of [SBU-NF], [XD], or [ND] Then the
ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [SBU]. Human Readable: USA Unclassified documents having SBU and not having SBU-NF, XD, or ND must have SBU at the resource level.</
sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.51 - ../Rules/USGov/ISM\_ID\_00107.sch

### Rule Description

[ISM-ID-00107][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:disseminationControls contains the name token [IMC] then attribute @ism:classification must have a value of [TS] or [S]. Human Readable: IMCON data is SECRET (S), but may appear with S or TOP SECRET data.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:disseminationControls specified with a value containing the token [IMC] this rule ensures that attribute @ism:classification is not specified with a value of [TS] or [S].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00107">
  <sch:rule id="ISM-ID-00107-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('IMC'))]">
    <sch:assert test="@ism:classification=('TS', 'S')" flag="error" role="error">[ISM-ID-00107][Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls
contains the name token [IMC] then attribute @ism:classification must have a value of [TS] or [S]. Human Readable: IMCON data is SECRET (S), but may appear with S or TOP SECRET data.</
sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.52 - ../Rules/USGov/ISM\_ID\_00108.sch

### Rule Description

[ISM-ID-00108][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:classification of ISM\_RESOURCE\_ELEMENT has a value of [TS] and attribute @ism:compilationReason does not have a value then at least one element meeting ISM\_CONTRIBUTES in the document must have a @ism:classification attribute of [TS]. Human Readable: USA TS documents not using compilation must have TS data.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and attribute \$attrLocalName of ISM\_RESOURCE\_ELEMENT has a value of [\$value] and attribute @ism:compilationReason does not have a value, this rule ensures that at least one element meeting ISM\_CONTRIBUTES specifies attribute \$attrLocalName with a value of [\$value].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00108" is-a="NonCompilationDocumentRollup">
  <sch:param name="attrLocalName" value="classification"/>
  <sch:param name="value" value="TS"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00108][Error] USA TS documents not using compilation must have TS data.'"/>
</sch:pattern>
```

## 11.53 - ../Rules/USGov/ISM\_ID\_00109.sch

### Rule Description

[ISM-ID-00109][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:classification of ISM\_RESOURCE\_ELEMENT has a value of [S] and attribute @ism:compilationReason does not have a value then at least one element meeting ISM\_CONTRIBUTES in the document must have a @ism:classification attribute of [S]. Human Readable: USA S documents not using compilation must have S data.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and attribute \$attrLocalName of ISM\_RESOURCE\_ELEMENT has a value of [\$value] and attribute @ism:compilationReason does not have a value, then this rule ensures that at least one element meeting ISM\_CONTRIBUTES specifies attribute \$attrLocalName with a value of [\$value].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00109" is-a="NonCompilationDocumentRollup">
  <sch:param name="attrLocalName" value="classification"/>
  <sch:param name="value" value="S"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00109][Error] USA S documents not using compilation must have S data.'"/>
</sch:pattern>
```

## 11.54 - ../Rules/USGov/ISM\_ID\_00110.sch

### Rule Description

[ISM-ID-00110][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:classification of ISM\_RESOURCE\_ELEMENT has a value of [C] and attribute @ism:compilationReason does not have a value then at least one element meeting ISM\_CONTRIBUTES in the document must have a classification attribute of [C]. Human Readable: USA C documents not using compilation must have C data.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and attribute \$attrLocalName of ISM\_RESOURCE\_ELEMENT has a value of [\$value] and attribute @ism:compilationReason does not have a value, then this rule ensures that at least one element meeting ISM\_CONTRIBUTES specifies attribute \$attrLocalName with a value of [\$value].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00110" is-a="NonCompilationDocumentRollup">
  <sch:param name="attrLocalName" value="classification"/>
  <sch:param name="value" value="C"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00110][Error] USA C documents not using compilation must have C data.'"/>
</sch:pattern>
```

## 11.55 - ../Rules/general/ISM\_ID\_00118.sch

### Rule Description

[ISM-ID-00118][Error] The first element in document order having @ism:resourceElement specified with a value of [true] must have @ism:createDate specified.

### Code Description

This rule ensures that the resourceElement has attribute @ism:createDate specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00118">
  <sch:rule id="ISM-ID-00118-R1"
    context="*[generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)][1]">
    <sch:assert test="@ism:createDate" flag="error" role="error">[ISM-ID-00118][Error] The first element in document order having @ism:resourceElement specified with a
value of [true] must have @ism:createDate specified.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.56 - ../Rules/USIC/ISM\_ID\_00119.sch

### Rule Description

[ISM-ID-00119][Error] If ISM\_USIC\_RESOURCE and 1. attribute @ism:classification is not [U] AND 2. not ISM\_710\_FDR\_EXEMPT AND 3. attribute @ism:excludeFromRollup is not true AND 4. attribute @ism:disseminationControls must contain one or more of [DISPLAYONLY], [REL], [RELIDO], [EYES], or [NF]. Human Readable: All classified NSI that does not claim exemption from ICD 710 mandatory Foreign Disclosure and Release must have an appropriate foreign disclosure or release marking.

### Code Description

If IC Markings System Register and Manual rules do not apply to the document, or the document is exempt from mandatory foreign disclosure and release markings, or the resource is unclassified, or excludeFromRollup is true, then the rule does not apply. Otherwise, this rule ensures that the attribute disseminationControls contains at least one of the values [DISPLAYONLY], [RELIDO], [REL], [EYES], or [NF].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00119">
  <sch:rule id="ISM-ID-00119-R1"
    context="*[@ism:* except (@ism:pocType | @ism:DESVersion | @ism:ISMCACTCESVersion | @ism:unregisteredNoticeType) and $ISM_USIC_RESOURCE and
util:contributesToRollup(.) and not($ISM_710_FDR_EXEMPT) and not(@ism:classification='U')]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('DISPLAYONLY', 'RELIDO', 'REL', 'EYES', 'NF'))"
      flag="error"
      role="error">[ISM-ID-00119][Error] If ISM_USIC_RESOURCE and 1. attribute @ism:classification is not [U] AND 2. not ISM_710_FDR_EXEMPT AND 3. attribute
@ism:excludeFromRollup is not true AND 4. attribute @ism:disseminationControls must contain one or more of [DISPLAYONLY], [REL], [RELIDO], [EYES], or [NF]. Human Readable: All classified NSI
that does not claim exemption from ICD 710 mandatory Foreign Disclosure and Release must have an appropriate foreign disclosure or release marking.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.57 - ../Rules/USGov/ISM\_ID\_00124.sch

### Rule Description

[ISM-ID-00124][Warning] If ISM\_USGOV\_RESOURCE and 1. Attribute @ism:ownerProducer does not contain [USA]. AND 2. Attribute @ism:disseminationControls contains [RELIDO] Human Readable: RELIDO is not authorized for non-US portions.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:disseminationControls specified with a value containing the token [RELIDO] this rule ensures that attribute @ism:ownerProducer is specified with a value containing [USA].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00124">
  <sch:rule id="ISM-ID-00124-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('RELIDO'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:ownerProducer, ('USA'))"
      flag="warning"
      role="warning">[ISM-ID-00124][Warning] If ISM_USGOV_RESOURCE and 1. Attribute @ism:ownerProducer does not contain [USA]. AND 2. Attribute
@ism:disseminationControls contains [RELIDO] Human Readable: RELIDO is not authorized for non-US portions.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.58 - ../Rules/general/ISM\_ID\_00125.sch

### Rule Description

[ISM-ID-00125][Error] If any attributes in namespace urn:us:gov:ic:ism exist, the local name must exist in CVEnumISMAttributes.xml. Human Readable: Ensure that attributes in the ISM namespace are defined by ISM.XML.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00125">
  <sch:rule id="ISM-ID-00125-R1" context="*[@ism:*]">
    <sch:assert test="every $attr in @ism:* satisfies $attr[local-name() = $validAttributeList]"
      flag="error"
      role="error">[ISM-ID-00125][Error] If any attributes in namespace urn:us:gov:ic:ism exist, the local name must exist in CVEnumISMAttributes.xml. Human
    Readable: Ensure that attributes in the ISM namespace are defined by ISM.XML.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.59 - ../Rules/USGov/ISM\_ID\_00127.sch

### Rule Description

[ISM-ID-00127][Error] If ISM\_USGOV\_RESOURCE and: 1. Any element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [RD] AND 2. No element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:noticeType containing [RD] and does not have attribute @ism:externalNotice with a value of [true]. Human Readable: USA documents containing RD data must also have a non-external RD notice.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE, for each element which meets ISM\_CONTRIBUTES and specifies attribute @ism:atomicEnergyMarkings with a value containing the token [RD], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:noticeType with a value containing the token [RD] and does not specify attribute @ism:externalNotice with a value of [true].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00127" is-a="DataHasCorrespondingNotice">
  <sch:param name="ruleId" value="'ISM-ID-00127'"/>
  <sch:param name="attrName" value="'atomicEnergyMarkings'"/>
  <sch:param name="attrValue" value="@ism:atomicEnergyMarkings"/>
  <sch:param name="noticeType" value="'RD'"/>
  <sch:param name="dataType" value="'RD'"/>
</sch:pattern>
```

## 11.60 - ../Rules/USGov/ISM\_ID\_00128.sch

### Rule Description

[ISM-ID-00128][Error] USA documents containing FRD data must have a non-external FRD notice unless the document contains RD in the banner.

### Code Description

This rule depends on the DataHasCorrespondingNoticeWithException abstract pattern to enforce that FRD documents have an FRD notice unless the banner has RD. See DataHasCorrespondingNoticeWithException for details.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00128" is-a="DataHasCorrespondingNoticeWithException">
  <sch:param name="ruleId" value="'ISM-ID-00128'"/>
  <sch:param name="attrName" value="'atomicEnergyMarkings'"/>
  <sch:param name="attrValue"
    value="$ISM_RESOURCE_ELEMENT/@ism:atomicEnergyMarkings"/>
  <sch:param name="noticeType" value="'FRD'"/>
  <sch:param name="exceptAttrValue"
    value="$ISM_RESOURCE_ELEMENT/@ism:atomicEnergyMarkings"/>
  <sch:param name="exceptNoticeType" value="'RD'"/>
</sch:pattern>
```

## 11.61 - ../Rules/USGov/ISM\_ID\_00129.sch

### Rule Description

[ISM-ID-00129][Error] If ISM\_USGOV\_RESOURCE and: 1. Any element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [IMC] AND 2. No element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:noticeType containing [IMC, IMCON\_RSEN] and does not have attribute @ism:externalNotice with a value of [true] Human Readable: USA documents containing IMC data must also have a non-external IMC or IMCON\_RSEN notice.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE, for each element which meets ISM\_CONTRIBUTES and specifies attribute @ism:disseminationControls with a value containing the token [IMC], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:noticeType with a value containing the token [IMC, IMCON\_RSEN] and does not specify attribute @ism:externalNotice with a value of [true].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00129" is-a="DataHasCorrespondingNotice">
  <sch:param name="ruleId" value="'ISM-ID-00129'"/>
  <sch:param name="attrName" value="'disseminationControls'"/>
  <sch:param name="attrValue" value="@ism:disseminationControls"/>
  <sch:param name="noticeType" value="'IMC', 'IMCON_RSEN'"/>
  <sch:param name="dataType" value="'IMC'"/>
</sch:pattern>
```

## 11.62 - ../Rules/USGov/ISM\_ID\_00130.sch

### Rule Description

[ISM-ID-00130][Error] If ISM\_USGOV\_RESOURCE and: 1. Any element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [FISA] AND 2. No element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:noticeType containing [FISA] and does not have attribute @ism:externalNotice with a value of [true] Human Readable: USA documents containing FISA data must also have a non-external FISA notice.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE, for each element which meets ISM\_CONTRIBUTES and specifies attribute @ism:disseminationControls with a value containing the token [FISA], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:noticeType with a value containing the token [FISA] and does not specify attribute @ism:externalNotice with a value of [true].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00130" is-a="DataHasCorrespondingNotice">
  <sch:param name="ruleId" value="'ISM-ID-00130'"/>
  <sch:param name="attrName" value="'disseminationControls'"/>
  <sch:param name="attrValue" value="@ism:disseminationControls"/>
  <sch:param name="noticeType" value="'FISA'"/>
  <sch:param name="dataType" value="'FISA'"/>
</sch:pattern>
```

## 11.63 - ../Rules/USGov/ISM\_ID\_00132.sch

### Rule Description

[ISM-ID-00132][Error] If ISM\_USGOV\_RESOURCE and the ISM\_RESOURCE\_ELEMENT has the attribute @ism:disseminationControls containing [RELIDO] then every element meeting ISM\_CONTRIBUTES\_CLASSIFIED in the document must have the attribute @ism:disseminationControls containing [RELIDO]. Human Readable: USA documents having RELIDO at the resource level must have every classified portion having RELIDO and on any U portions that have explicit Release specified must have RELIDO.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, the current element is the ISM\_RESOURCE\_ELEMENT, and the ISM\_RESOURCE\_ELEMENT specifies the attribute @ism:disseminationControls with a value containing the token [RELIDO] and not an unclass NF-based token (SBU-NF or LES-NF), then this rule ensures that every element meeting ISM\_CONTRIBUTES\_CLASSIFIED specifies attribute @ism:disseminationControls with a value containing the token [RELIDO].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00132">
  <sch:rule id="ISM-ID-00132-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:disseminationControls, ('RELIDO'))]">
    <sch:assert test="every $ele in $partTags satisfies if ($ele/@ism:classification[normalize-space()='U'] and not(util:containsAnyOfTheTokens($ele/
@ism:disseminationControls, ('REL','NF','DISPLAYONLY')) and not(util:containsAnyOfTheTokens($ele/@ism:nonICmarkings, ('SBU-NF', 'LES-NF')))) then true() else util:containsAnyOfTheTokens($ele/
@ism:disseminationControls, ('RELIDO'))"
      flag="error"
      role="error">[ISM-ID-00132][Error] If ISM_USGOV_RESOURCE and the ISM_RESOURCE_ELEMENT has the attribute @ism:disseminationControls containing [RELIDO] then
every element meeting ISM_CONTRIBUTES_CLASSIFIED in the document must have the attribute @ism:disseminationControls containing [RELIDO]. Human Readable: USA documents having RELIDO at the
resource level must have every classified portion having RELIDO and on any U portions that have explicit Release specified must have RELIDO.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.64 - ../Rules/USGov/ISM\_ID\_00133.sch

### Rule Description

[ISM-ID-00133][Error] If ISM\_NSI\_EO\_APPLIES and attribute @ism:declassException is specified and contains the tokens [25X1-EO-12951], [50X1-HUM], [50X2-WMD], [NATO], [AEA] or [NATO-AEA] then attribute @ism:declassDate or @ism:declassEvent must NOT be specified. Human Readable: Documents under E.O. 13526 must not specify declassDate or declassEvent if a declassException of 25X1-EO-12951, 50X1-HUM, 50X2-WMD, NATO, AEA or NATO-AEA is specified.

### Code Description

If ISM\_NSI\_EO\_APPLIES, for each element which specifies @ism:declassException with a value containing token [25X1-EO-12951], [50X1-HUM], [50X2-WMD], [NATO], [AEA] or [NATO-AEA] this rule ensures that attributes @ism:declassDate and @ism:declassEvent are NOT specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00133">
  <sch:rule id="ISM-ID-00133-R1"
    context="*[$ISM_NSI_EO_APPLIES and util:containsAnyOfTheTokens(@ism:declassException, ('25X1-EO-12951', '50X1-HUM', '50X2-WMD', 'NATO', 'AEA', 'NATO-AEA'))]">
    <sch:assert test="not(@ism:declassDate or @ism:declassEvent)"
      flag="error"
      role="error">[ISM-ID-00133][Error] If ISM_NSI_EO_APPLIES and attribute @ism:declassException is specified and contains the tokens [25X1-EO-12951], [50X1-
HUM], [50X2-WMD], [NATO], [AEA] or [NATO-AEA] then attribute @ism:declassDate or @ism:declassEvent must NOT be specified. Human Readable: Documents under E.O. 13526 must not specify
declassDate or declassEvent if a declassException of 25X1-EO-12951, 50X1-HUM, 50X2-WMD, NATO, AEA or NATO-AEA is specified.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.65 - ../Rules/USGov/ISM\_ID\_00134.sch

### Rule Description

[ISM-ID-00134][Error] If ISM\_USGOV\_RESOURCE and: 1. Any element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [DS] AND 2. No element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:noticeType containing [DS] and does not have attribute @ism:externalNotice with a value of [true] Human Readable: USA documents containing DS data must also have a non-external DS notice.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE, for each element which meets ISM\_CONTRIBUTES and specifies attribute @ism:nonICmarkings with a value containing the token [DS], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:noticeType with a value containing the token [DS] and does not specify attribute @ism:externalNotice with a value of [true].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00134" is-a="DataHasCorrespondingNotice">
  <sch:param name="ruleId" value="'ISM-ID-00134'"/>
  <sch:param name="attrName" value="'nonICmarkings'"/>
  <sch:param name="attrValue" value="@ism:nonICmarkings"/>
  <sch:param name="noticeType" value="'DS'"/>
  <sch:param name="dataType" value="'DS'"/>
</sch:pattern>
```

## 11.66 - ../Rules/USGov/ISM\_ID\_00135.sch

### Rule Description

[ISM-ID-00135][Error] If ISM\_USGOV\_RESOURCE and: 1. No element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [RD] AND 2. Any element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:noticeType containing [RD] and does not specify attribute @ism:externalNotice with a value of [true]. Human Readable: USA documents containing an non-external RD notice must also have RD data.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and any element meets ISM\_CONTRIBUTES and specifies attribute @ism:noticeType with a value containing the token [RD] and does not specify attribute @ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:atomicEnergyMarkings with a value containing the token [RD].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00135" is-a="NoticeHasCorrespondingData">
  <sch:param name="ruleId" value="'ISM-ID-00135'"/>
  <sch:param name="attrName" value="'atomicEnergyMarkings'"/>
  <sch:param name="dataType" value="'RD'"/>
  <sch:param name="noticeType" value="'RD'"/>
  <sch:param name="dataTokenList" value="$partAtomicEnergyMarkings_tok"/>
</sch:pattern>
```

## 11.67 - ../Rules/USGov/ISM\_ID\_00136.sch

### Rule Description

[ISM-ID-00136][Error] If ISM\_USGOV\_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:atomicEnergyMarkings containing [FRD] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [FRD] and does not specify attribute @ism:externalNotice with a value of [true]. Human Readable: USA documents containing a non-external FRD notice must also have FRD data.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and any element meets ISM\_CONTRIBUTES and specifies attribute @ism:noticeType with a value containing the token [FRD] and does not specify attribute @ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:atomicEnergyMarkings with a value containing the token [FRD].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00136" is-a="NoticeHasCorrespondingData">
  <sch:param name="ruleId" value="'ISM-ID-00136'"/>
  <sch:param name="attrName" value="'atomicEnergyMarkings'"/>
  <sch:param name="dataType" value="'FRD'"/>
  <sch:param name="noticeType" value="'FRD'"/>
  <sch:param name="dataTokenList" value="$partAtomicEnergyMarkings_tok"/>
</sch:pattern>
```

## 11.68 - ../Rules/USGov/ISM\_ID\_00138.sch

### Rule Description

[ISM-ID-00138][Error] If ISM\_USGOV\_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute nonICmarkings containing [DS] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute noticeType containing [DS] and does not specify attribute @ism:externalNotice with a value of [true]. AND 3. \$ISM\_RESOURCE\_ELEMENT is unclassified. Human Readable: Unclassified USA documents containing a non-external DS notice must also have DS data.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and any element meets ISM\_CONTRIBUTES and specifies attribute @ism:noticeType with a value containing the token [DS] and does not specify attribute @ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:nonICmarkings with a value containing the token [DS]. Classified USA documents containing a non-external DS notice must also have DS data however that is not currently testable since classified documents do not have to have DS at the document level.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00138" is-a="NoticeHasCorrespondingDataUnclassDoc">
  <sch:param name="ruleId" value="'ISM-ID-00138'"/>
  <sch:param name="attrName" value="'nonICmarkings'"/>
  <sch:param name="dataType" value="'DS'"/>
  <sch:param name="dataTokenList" value="$partNonICmarkings_tok"/>
</sch:pattern>
```

## 11.69 - ../Rules/USGov/ISM\_ID\_00139.sch

### Rule Description

[ISM-ID-00139][Error] If ISM\_USGOV\_RESOURCE, and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @disseminationControls containing [FISA] OR the attribute @ism:cuiSpecified containing [FISA] AND 2. Any element without ism:excludeFromRollup=true() in the document has the attribute noticeType containing [FISA] and does not specify attribute ism:externalNotice with a value of [true]. Human Readable: USA documents containing a non-external FISA notice must also have either FISA data in dissemination controls or FISA data in cuiSpecified.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE, and any element meets ISM\_CONTRIBUTES and specifies attribute @ism:noticeType with a value containing the token [FISA] and does not specify attribute @ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies either the attribute @ism:disseminationControls with a value containing the token [FISA] OR the attribute @ism:cuiSpecified with a value containing the token [FISA].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00139" is-a="NoticeHasCorrespondingData">
  <sch:param name="ruleId" value="'ISM-ID-00139'"/>
  <sch:param name="attrName" value="'disseminationControls or cuiSpecified'"/>
  <sch:param name="dataType" value="'FISA'"/>
  <sch:param name="noticeType" value="'FISA'"/>
  <sch:param name="dataTokenList"
    value="($partCuiSpecified_tok,$partDisseminationControls_tok)"/>
</sch:pattern>
```

## 11.70 - ../Rules/USGov/ISM\_ID\_00141.sch

### Rule Description

[ISM-ID-00141][Error] If ISM\_NSI\_EO\_APPLIES and: 1. ISM\_RESOURCE\_ELEMENT attribute @ism:declassException does not have a value of [25X1-EO-12951], [50X1-HUM], [50X2-WMD], [AEA], [NATO], or [NATO-AEA] AND 2. ISM\_RESOURCE\_ELEMENT attribute @ism:declassDate is not specified AND 3. ISM\_RESOURCE\_ELEMENT attribute @ism:declassEvent is not specified Human Readable: Documents under E.O. 13526 require declassDate or declassEvent unless 25X1-EO-12951, 50X1-HUM, 50X2-WMD, AEA, NATO, or NATO-AEA is specified.

### Code Description

If ISM\_NSI\_EO\_APPLIES, the current element is the ISM\_RESOURCE\_ELEMENT, and attribute @ism:declassException is not specified with a value containing the token [25X1-EO-12951], [50X1-HUM], or [50X2-WMD], [AEA], [NATO], or [NATO-AEA] then this rule ensures that attribute @ism:declassDate is specified or attribute @ism:declassEvent is specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00141">
  <sch:rule id="ISM-ID-00141-R1"
    context="*[$ISM_NSI_EO_APPLIES and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and not(util:containsAnyOfTheTokens(@ism:declassException, ('25X1-
EO-12951', '50X1-HUM', '50X2-WMD', 'AEA', 'NATO', 'NATO-AEA')))]">
    <sch:assert test="@ism:declassDate or @ism:declassEvent"
      flag="error"
      role="error">[ISM-ID-00141][Error] If ISM_NSI_EO_APPLIES and: 1. ISM_RESOURCE_ELEMENT attribute @ism:declassException does not have a value of [25X1-
EO-12951], [50X1-HUM], [50X2-WMD], [AEA], [NATO], or [NATO-AEA] AND 2. ISM_RESOURCE_ELEMENT attribute @ism:declassDate is not specified AND 3. ISM_RESOURCE_ELEMENT attribute @ism:declassEvent
is not specified Human Readable: Documents under E.O. 13526 require declassDate or declassEvent unless 25X1-EO-12951, 50X1-HUM, 50X2-WMD, AEA, NATO, or NATO-AEA is specified.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.71 - ../Rules/USGov/ISM\_ID\_00142.sch

### Rule Description

[ISM-ID-00142][Error] If the Classified National Security Information Executive Order applies to the document, then a classification authority must be specified.

### Code Description

If ISM\_NSI\_EO\_APPLIES is true (defined in ISM\_XML.sch), then the resource element (has the attribute @ism:resourceElement="true") must have either @ism:classifiedBy or @ism:derivativelyClassifiedBy

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00142">
  <sch:rule id="ISM-ID-00142-R1"
    context="*[@ism:resourceElement='true' and @ism:classification != 'U' and util:containsAnyOfTheTokens(@ism:ownerProducer, ('USA'))]">
    <sch:assert test="@ism:classifiedBy or @ism:derivativelyClassifiedBy"
      flag="error"
      role="error">[ISM-ID-00142][Error] If ISM_NSI_EO_APPLIES is true (defined in ISM_XML.sch), then the resource element (has the attribute
@ism:resourceElement="true") must have either @ism:classifiedBy or @ism:derivativelyClassifiedBy Human Readable: If the Classified National Security Information Executive Order applies to the
document, then a classification authority must be specified.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.72 - ../Rules/USGov/ISM\_ID\_00143.sch

### Rule Description

[ISM-ID-00143][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:derivativelyClassifiedBy is specified, then attribute @ism:derivedFrom must be specified. Human Readable: Derivatively Classified data including DOE data requires a derived from value to be identified.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:derivativelyClassifiedBy this rule ensures that attribute @ism:derivedFrom is specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00143">
  <sch:rule id="ISM-ID-00143-R1"
    context="*[$ISM_USGOV_RESOURCE and @ism:derivativelyClassifiedBy]">
    <sch:assert test="@ism:derivedFrom" flag="error" role="error">[ISM-ID-00143][Error] If ISM_USGOV_RESOURCE and attribute @ism:derivativelyClassifiedBy is specified, then
attribute @ism:derivedFrom must be specified. Human Readable: Derivatively Classified data including DOE data requires a derived from value to be identified.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.73 - ../Rules/USGov/ISM\_ID\_00145.sch

### Rule Description

[ISM-ID-00145][Error] If ISM\_USGOV\_RESOURCE and any element in the document: 1. Meets ISM\_CONTRIBUTES AND 2. Has the attribute @ism:nonICmarkings containing [LES] AND 3. No element meeting ISM\_CONTRIBUTES in the document has @ism:nonICmarkings containing any of [LES-NF] Then the ISM\_RESOURCE\_ELEMENT must have @ism:nonICmarkings containing [LES]. Human Readable: USA documents having LES and not having LES-NF must have LES at the resource level.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, the current element is the ISM\_RESOURCE\_ELEMENT, some element meeting ISM\_CONTRIBUTES specifies attribute @ism:nonICmarkings with a value containing the token [LES], and no element meeting ISM\_CONTRIBUTES specifies attribute @ism:nonICmarkings with a value containing the token [LES-NF], then this rule ensures that ISM\_RESOURCE\_ELEMENT specifies attribute @ism:nonICmarkings with a value containing the token [LES].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00145">
  <sch:rule id="ISM-ID-00145-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and index-of($partNonICmarkings_tok, 'LES') > 0 and not(index-
of($partNonICmarkings_tok, 'LES-NF') > 0)]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:nonICmarkings, ('LES'))"
      flag="error"
      role="error">[ISM-ID-00145][Error] If ISM_USGOV_RESOURCE and any element in the document: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute
@ism:nonICmarkings containing [LES] AND 3. No element meeting ISM_CONTRIBUTES in the document has @ism:nonICmarkings containing any of [LES-NF] Then the ISM_RESOURCE_ELEMENT must have
@ism:nonICmarkings containing [LES]. Human Readable: USA documents having LES and not having LES-NF must have LES at the resource level.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.74 - ../Rules/USGov/ISM\_ID\_00146.sch

### Rule Description

[ISM-ID-00146][Error] If ISM\_USGOV\_RESOURCE and there exist at least 2 elements in the document: 1. Each element: Meets ISM\_CONTRIBUTES AND 2. One of the elements: Has the attribute @ism:nonICmarkings containing [LES-NF] AND 3. One of the elements: meets ISM\_CONTRIBUTES\_CLASSIFIED Then the ISM\_RESOURCE\_ELEMENT must have @ism:disseminationControls containing [NF]. Human Readable: Classified USA documents having LES-NF Data must have NF at the resource level.

### Code Description

If IC Markings System Register and Manual rules do not apply to the document then the rule does not apply and this rule returns true. If any element has attribute @ism:nonICmarkings specified with a value containing [LES-NF] and the resourceElement has attribute @ism:classification specified with a value other than [U], then this rule ensures that the resourceElement has attribute @ism:disseminationControls specified with a value containing [NF].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00146">
  <sch:rule id="ISM-ID-00146-R1"
    context="*[generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
    <sch:assert test="if(not($ISM_USGOV_RESOURCE)) then true() else if(index-of($partNonICmarkings_tok, 'LES-NF') &gt; 0 and not($bannerClassification='U')) then (index-of($bannerDisseminationControls_tok, 'NF') &gt; 0) else true()"
      flag="error"
      role="error">[ISM-ID-00146][Error] If ISM_USGOV_RESOURCE and there exist at least 2 elements in the document: 1. Each element: Meets ISM_CONTRIBUTES AND 2.
One of the elements: Has the attribute @ism:nonICmarkings containing [LES-NF] AND 3. One of the elements: meets ISM_CONTRIBUTES_CLASSIFIED Then the ISM_RESOURCE_ELEMENT must have
@ism:disseminationControls containing [NF]. Human Readable: Classified USA documents having LES-NF Data must have NF at the resource level.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.75 - ../Rules/USGov/ISM\_ID\_00147.sch

### Rule Description

[ISM-ID-00147][Error] If ISM\_USGOV\_RESOURCE and there exist at least 2 elements in the document: 1. Each element: Meets ISM\_CONTRIBUTES AND 2. One of the elements: Has the attribute @ism:nonICmarkings containing [LES-NF] AND 3. One of the elements: meets ISM\_CONTRIBUTES\_CLASSIFIED Then the ISM\_RESOURCE\_ELEMENT must have @ism:nonICmarkings containing [LES]. Human Readable: Classified USA documents having LES-NF Data must have LES at the resource level.

### Code Description

If IC Markings System Register and Manual rules do not apply to the document then the rule does not apply and this rule returns true. If any element has attribute @ism:nonICmarkings specified with a value containing [LES-NF] and the resourceElement has attribute @ism:classification specified with a value other than [U], then this rule ensures that the resourceElement has attribute @ism:nonICmarkings specified with a value containing [LES].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00147">
  <sch:rule id="ISM-ID-00147-R1"
    context="*[generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
    <sch:assert test="if(not($ISM_USGOV_RESOURCE)) then true() else if(index-of($partNonICmarkings_tok, 'LES-NF') > 0 and not($bannerClassification='U')) then (index-of($bannerNonICmarkings_tok, 'LES') > 0) else true()"
      flag="error"
      role="error">[ISM-ID-00147][Error] If ISM_USGOV_RESOURCE and there exist at least 2 elements in the document: 1. Each element: Meets ISM_CONTRIBUTES AND 2.
One of the elements: Has the attribute @ism:nonICmarkings containing [LES-NF] AND 3. One of the elements: meets ISM_CONTRIBUTES_CLASSIFIED Then the ISM_RESOURCE_ELEMENT must have
@ism:nonICmarkings containing [LES]. Human Readable: Classified USA documents having LES-NF Data must have LES at the resource level.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.76 - ../Rules/USGov/ISM\_ID\_00148.sch

### Rule Description

[ISM-ID-00148][Error] If ISM\_USGOV\_RESOURCE, then Name tokens [LES] and [LES-NF] are mutually exclusive for attribute @ism:nonICmarkings. Human Readable: USA documents must not specify both LES and LES-NF on a single element.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:nonICmarkings specified with a value containing the token [LES] or [LES-NF], this rule ensures that attribute @ism:nonICmarkings is not specified with a value containing both tokens [LES] and [LES-NF].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00148" is-a="MutuallyExclusiveAttributeValues">
  <sch:param name="context"
    value="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:nonICmarkings, ('LES', 'LES-NF'))]"/>
  <sch:param name="attrValue" value="@ism:nonICmarkings"/>
  <sch:param name="mutuallyExclusiveTokenList" value="('LES', 'LES-NF')"/>
  <sch:param name="errMsg"
    value="' [ISM-ID-00148][Error] If ISM_USGOV_RESOURCE, then Name tokens [LES] and [LES-NF] are mutually exclusive for attribute nonICmarkings. Human Readable:
USA documents must not specify both LES and LES-NF on a single element. '"/>
</sch:pattern>
```

## 11.77 - ../Rules/USGov/ISM\_ID\_00149.sch

### Rule Description

[ISM-ID-00149][Error] If the document is an ISM\_USGOV\_RESOURCE and: 1. Any element in the document meets ISM\_CONTRIBUTES in the document has the attribute @ism:nonICmarkings contain [LES-NF] AND 2. ISM\_RESOURCE\_ELEMENT has the attribute @ism:classification [U] AND 3. ISM\_RESOURCE\_ELEMENT does not have the attribute @ism:disseminationControls [NF] THEN the ISM\_RESOURCE\_ELEMENT must have @ism:nonICmarkings containing [LES-NF] Human Readable: Unclassified USA documents having LES-NF and not having NF must have LES-NF at the resource level.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, the current element is the ISM\_RESOURCE\_ELEMENT, some element meeting ISM\_CONTRIBUTES specifies attribute @ism:nonICmarkings with a value containing the token [LES-NF], and the ISM\_RESOURCE\_ELEMENT does not have attribute @ism:disseminationControls with a value containing the token [NF]; then this rule ensures that ISM\_RESOURCE\_ELEMENT specifies attribute @ism:nonICmarkings with a value containing the token [LES-NF].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00149">
  <sch:rule id="ISM-ID-00149-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and $bannerClassification = 'U' and index-of($partNonICmarkings_tok, 'LES-
NF') > 0 and not(util:containsAnyOfTheTokens(string-join(@ism:disseminationControls, ' '), ('NF')))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:nonICmarkings, ('LES-NF'))"
      flag="error"
      role="error">[ISM-ID-00149][Error] If the document is an ISM_USGOV_RESOURCE and: 1. Any element in the document meets ISM_CONTRIBUTES in the document has
the attribute @ism:nonICmarkings contain [LES-NF] AND 2. ISM_RESOURCE_ELEMENT has the attribute @ism:classification [U] AND 3. ISM_RESOURCE_ELEMENT does not have the attribute
@ism:disseminationControls [NF] THEN the ISM_RESOURCE_ELEMENT must have @ism:nonICmarkings containing [LES-NF] Human Readable: Unclassified USA documents having LES-NF and not having NF must
have LES-NF at the resource level.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.78 - ../Rules/USGov/ISM\_ID\_00150.sch

### Rule Description

[ISM-ID-00150][Error] If (ISM\_USGOV\_RESOURCE or ISM\_USCUIONLY\_RESOURCE) and: 1. Any element, other than ISM\_RESOURCE\_ELEMENT, meeting ISM\_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [LES] or the attribute @ism:cuiBasic containing [LEI] AND 2. No element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:noticeType containing [LES] Human Readable: USA documents containing LES non-IC markings or LEI cuiBasic markings must also have an LES notice.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, for each element which is not the ISM\_RESOURCE\_ELEMENT and meets ISM\_CONTRIBUTES and specifies attribute @ism:nonICmarkings with a value containing the token [LES] or @ism:cuiBasic with a value containing the token [LEI], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:noticeType with a value containing the token [LES].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00150">
  <sch:rule id="ISM-ID-00150-R1"
    context="*[( $ISM_USGOV_RESOURCE or $ISM_USCUIONLY_RESOURCE) and not(generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)) and
( util:containsAnyOfTheTokens(@ism:nonICmarkings, ('LES')) or util:containsAnyOfTheTokens(@ism:cuiBasic, ('LEI')))]">
    <sch:assert test="some $elem in $partTags satisfies ($elem[@ism:noticeType] and util:containsAnyOfTheTokens($elem/@ism:noticeType, ('LES')) and not ($elem/
@ism:externalNotice=true()))"
      flag="error"
      role="error">[ISM-ID-00150][Error] If (ISM_USGOV_RESOURCE or ISM_USCUIONLY_RESOURCE) and: 1. Any element, other than ISM_RESOURCE_ELEMENT, meeting
ISM_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [LES] or the attribute @ism:cuiBasic containing [LEI] AND 2. No element meeting ISM_CONTRIBUTES in the document
has the attribute @ism:noticeType containing [LES] Human Readable: USA documents containing LES non-IC markings or LEI cuiBasic markings must also have an LES notice.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.79 - ../Rules/USGov/ISM\_ID\_00151.sch

### Rule Description

[ISM-ID-00151][Warning] If ISM\_USGOV\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, and: 1. No element without @ism:excludeFromRollup=true() in the document has either the attribute @ism:nonICmarkings containing [LES] or the attribute @ism:cuiBasic containing [LEI] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [LES] and does not specify attribute @ism:externalNotice with a value of [true]. Human Readable: USA documents containing a non-external LES notice must also have LES data in either nonICmarkings or cuiBasic.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE or a ISM\_USCUIONLY\_RESOURCE, and any element meets ISM\_CONTRIBUTES and specifies attribute @ism:noticeType with a value containing the token [LES] and does not specify attribute @ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies either attribute @ism:nonICmarkings with a value containing the token [LES] or attribute @ism:cuiBasic with a value containing the token [LEI].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00151" is-a="NoticeHasCorrespondingDataTwoPossibleTokens">
  <sch:param name="ruleId" value="'ISM-ID-00151'"/>
  <sch:param name="attrName" value="'nonICmarkings or cuiBasic'"/>
  <sch:param name="dataType1" value="'LES'"/>
  <sch:param name="dataType2" value="'LEI'"/>
  <sch:param name="noticeType" value="'LES'"/>
  <sch:param name="dataTokenList" value="('$partNonICmarkings_tok,$partCuiBasic_tok)"/>
</sch:pattern>
```

## 11.80 - ../Rules/USGov/ISM\_ID\_00152.sch

### Rule Description

[ISM-ID-00152][Error] If ISM\_USGOV\_RESOURCE and: 1. Any element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [LES-NF] AND 2. No element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:noticeType containing [LES-NF] and does not have attribute @ism:externalNotice with a value of [true]. Human Readable: USA documents containing LES-NF data must also have an LES-NF notice.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE, for each element which meets ISM\_CONTRIBUTES and specifies attribute @ism:nonICmarkings with a value containing the token [LES-NF], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:noticeType with a value containing the token [LES-NF] and does not specify attribute @ism:externalNotice with a value of [true].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00152" is-a="DataHasCorrespondingNotice">
  <sch:param name="ruleId" value="'ISM-ID-00152'"/>
  <sch:param name="attrName" value="'nonICmarkings'"/>
  <sch:param name="attrValue" value="@ism:nonICmarkings"/>
  <sch:param name="noticeType" value="'LES-NF'"/>
  <sch:param name="dataType" value="'LES-NF'"/>
</sch:pattern>
```

## 11.81 - ../Rules/USGov/ISM\_ID\_00153.sch

### Rule Description

[ISM-ID-00153][Error] If ISM\_USGOV\_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:nonICmarkings containing [LES-NF] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [LES-NF]. and does not specify attribute @ism:externalNotice with a value of [true]. Human Readable: USA documents containing an LES-NF notice must also have LES-NF data.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and any element meets ISM\_CONTRIBUTES and specifies attribute @ism:noticeType with a value containing the token [LES-NF] and does not specify attribute @ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:nonICmarkings with a value containing the token [LES-NF].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00153" is-a="NoticeHasCorrespondingData">
  <sch:param name="ruleId" value="'ISM-ID-00153'"/>
  <sch:param name="attrName" value="'nonICmarkings'"/>
  <sch:param name="dataType" value="'LES-NF'"/>
  <sch:param name="noticeType" value="'LES-NF'"/>
  <sch:param name="dataTokenList" value="$partNonICmarkings_tok"/>
</sch:pattern>
```

## 11.82 - ../Rules/USGov/ISM\_ID\_00154.sch

### Rule Description

[ISM-ID-00154][Error] If ISM\_USGOV\_RESOURCE and 1. Attribute @ism:disseminationControls of ISM\_RESOURCE\_ELEMENT contains [FOUO] AND 2. Attribute @ism:compilationReason does not have a value then at least one element meeting ISM\_CONTRIBUTES in the document must have a @ism:disseminationControls attribute contain [FOUO]. Human Readable: USA FOUO documents not using compilation must have FOUO data.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and attribute \$attrLocalName of ISM\_RESOURCE\_ELEMENT has a value of [\$value] and attribute @ism:compilationReason does not have a value, then this rule ensures that at least one element meeting ISM\_CONTRIBUTES specifies attribute \$attrLocalName with a value of [\$value].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00154" is-a="NonCompilationDocumentRollup">
  <sch:param name="attrLocalName" value="disseminationControls"/>
  <sch:param name="value" value="FOUO"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00154][Error] USA FOUO documents not using compilation must have FOUO data.'"/>
</sch:pattern>
```

## 11.83 - ../Rules/USDOD/ISM\_ID\_00155.sch

### Rule Description

[ISM-ID-00155][Error] If ISM\_USDOD\_RESOURCE and 1. not ISM\_DOD\_DISTRO\_EXEMPT AND 2. Attribute @ism:noticeType of ISM\_RESOURCE\_ELEMENT does not contain one of [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F] Human Readable: All US DOD documents that do not claim exemption from DoD5230.24 distribution statements must have a distribution statement for the entire document.

### Code Description

If the document is an ISM\_USDOD\_RESOURCE and not ISM\_DOD\_DISTRO\_EXEMPT and the current element is the ISM\_RESOURCE\_ELEMENT, this rule ensures that attribute @ism:noticeType is specified with a value containing one of the tokens: [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], [DoD-Dist-F].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00155">
  <sch:rule id="ISM-ID-00155-R1"
    context="*[$ISM_USDOD_RESOURCE and not($ISM_DOD_DISTRO_EXEMPT) and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:noticeType, ('DoD-Dist-A', 'DoD-Dist-B', 'DoD-Dist-C', 'DoD-Dist-D', 'DoD-Dist-E', 'DoD-Dist-F'))"
      flag="error"
      role="error">[ISM-ID-00155][Error] If ISM_USDOD_RESOURCE and 1. not ISM_DOD_DISTRO_EXEMPT AND 2. Attribute @ism:noticeType of ISM_RESOURCE_ELEMENT does not
contain one of [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F] Human Readable: All US DOD documents that do not claim exemption from DoD5230.24
distribution statements must have a distribution statement for the entire document.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.84 - ../Rules/USDOD/ISM\_ID\_00157.sch

### Rule Description

[ISM-ID-00157][Error] If ISM\_USDOD\_RESOURCE and: 1. The attribute notice contains one of the [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], or [DoD-Dist-E] AND 2. The attribute @ism:noticeReason is not specified. Human Readable: DoD distribution statements B, C, D , or E all require a reason.

### Code Description

If the document is an ISM\_USDOD\_RESOURCE, for each element which specifies attribute ism:noticeType with a value containing the token [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], or [DoD-Dist-E], this rule ensures that attribute @ism:noticeReason is specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00157">
  <sch:rule id="ISM-ID-00157-R1"
    context="*[$ISM_USDOD_RESOURCE and util:containsAnyOfTheTokens(@ism:noticeType, ('DoD-Dist-B', 'DoD-Dist-C', 'DoD-Dist-D', 'DoD-Dist-E'))]">
    <sch:assert test="@ism:noticeReason" flag="error" role="error">[ISM-ID-00157][Error] If ISM_USDOD_RESOURCE and: 1. The attribute notice contains one of the [DoD-Dist-
B], [DoD-Dist-C], [DoD-Dist-D], or [DoD-Dist-E] AND 2. The attribute @ism:noticeReason is not specified. Human Readable: DoD distribution statements B, C, D , or E all require a reason.</
sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.85 - ../Rules/USDOD/ISM\_ID\_00158.sch

### Rule Description

[ISM-ID-00158][Error] If ISM\_USDOD\_RESOURCE and: 1. not ISM\_DOD\_DISTRO\_EXEMPT AND 2. attribute @ism:classification of ISM\_RESOURCE\_ELEMENT is not [U] AND 3. A resource attribute @ism:noticeType does not contain one of [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F]. Human Readable: All classified DOD documents that do not claim exemption from DoD5230.24 distribution statements must use one of DoD distribution statements B, C, D, E, or F.

### Code Description

If the document is an ISM\_USDOD\_RESOURCE and not ISM\_DOD\_DISTRO\_EXEMPT and the attribute @ism:classification of ISM\_RESOURCE\_ELEMENT is not [U], then this rule ensures that the resource element specifies attribute @ism:noticeType with a value containing the token [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00158">
  <sch:rule id="ISM-ID-00158-R1"
    context="*[$ISM_USDOD_RESOURCE and not($ISM_DOD_DISTRO_EXEMPT) and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and not(@ism:classification='U')]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:noticeType, ('DoD-Dist-B', 'DoD-Dist-C', 'DoD-Dist-D', 'DoD-Dist-E', 'DoD-Dist-F'))"
      flag="error"
      role="error">[ISM-ID-00158][Error] If ISM_USDOD_RESOURCE and: 1. not ISM_DOD_DISTRO_EXEMPT AND 2. attribute @ism:classification of ISM_RESOURCE_ELEMENT is
not [U] AND 3. A resource attribute @ism:noticeType does not contain one of [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F]. Human Readable: All classified DOD
documents that do not claim exemption from DoD5230.24 distribution statements must use one of DoD distribution statements B, C, D, E, or F.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.86 - ../Rules/USGov/ISM\_ID\_00159.sch

### Rule Description

[ISM-ID-00159][Error] If ISM\_USGOV\_RESOURCE and: 1. attribute @ism:classification of ISM\_RESOURCE\_ELEMENT is not [U] AND 2. The attribute @ism:noticeType does contain [DoD-Dist-A] or has attribute @ism:externalNotice with a value of [true]. Human Readable: Distribution statement A (Public Release) is forbidden on classified documents.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE and the attribute @ism:classification of ISM\_RESOURCE\_ELEMENT is not [U], for each element which specifies attribute @ism:noticeType this rule ensures that attribute @ism:noticeType is not specified with a value containing the token [DoD-Dist-A] unless it is an external notice with attribute @ism:externalNotice is [true].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00159">
  <sch:rule id="ISM-ID-00159-R1"
    context="*[$ISM_USGOV_RESOURCE and not($ISM_RESOURCE_ELEMENT/@ism:classification = 'U')]">
    <sch:assert test="not(util:containsAnyOfTheTokens(@ism:noticeType, ('DoD-Dist-A'))) or (@ism:externalNotice=true())"
      flag="error"
      role="error">[ISM-ID-00159][Error] If ISM_USGOV_RESOURCE and: 1. attribute @ism:classification of ISM_RESOURCE_ELEMENT is not [U] AND 2. The attribute
@ism:noticeType does contain [DoD-Dist-A] or has attribute @ism:externalNotice with a value of [true]. Human Readable: Distribution statement A (Public Release) is forbidden on classified
documents.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.87 - ../Rules/USDOD/ISM\_ID\_00161.sch

### Rule Description

[ISM-ID-00161][Error] If the document is an 1. ISM\_USDOD\_RESOURCE AND 2. the attribute @ism:noticeType of ISM\_RESOURCE\_ELEMENT contains [DoD-Dist-A] AND 3. no portions in the document have their attribute @ism:excludeFromRollup set to [true] THEN there must not be any attribute @ism:nonICmarkings present. Human Readable: Distribution statement A (Public Release) is incompatible with any nonICMarkings if excludeFromRollup is not TRUE.

### Code Description

If the document is an ISM\_USDOD\_RESOURCE and @ism:noticeType contains 'DoD-Dist-A' and no portions in the document have their @ism:excludeFromRollup set to true, then there must not be any @ism:nonICMarkings present.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00161">
  <sch:rule id="ISM-ID-00161-R1"
    context="*[$ISM_USDOD_RESOURCE and (util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:noticeType, ('DoD-Dist-A')) and not (@ism:excludeFromRollup=true()))]">
    <sch:assert test="not(@ism:nonICmarkings)" flag="error" role="error">[ISM-ID-00161][Error] If the document is an 1. ISM_USDOD_RESOURCE AND 2. the attribute
@ism:noticeType of ISM_RESOURCE_ELEMENT contains [DoD-Dist-A] AND 3. no portions in the document have their attribute @ism:excludeFromRollup set to [true] THEN there must not be any attribute
@ism:nonICmarkings present. Human Readable: Distribution statement A (Public Release) is incompatible with any nonICMarkings if excludeFromRollup is not TRUE.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.88 - ../Rules/USDOD/ISM\_ID\_00162.sch

### Rule Description

[ISM-ID-00162][Error] If ISM\_USDOD\_RESOURCE and 1. not ISM\_DOD\_DISTRO\_EXEMPT AND 2. attribute @ism:noticeType of ISM\_RESOURCE\_ELEMENT contains more than one of [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F] Human Readable: All US DOD documents that do not claim exemption from DoD5230.24 distribution statements must have only 1 distribution statement for the entire document.

### Code Description

If the document is an ISM\_USDOD\_RESOURCE and not ISM\_DOD\_DISTRO\_EXEMPT, and the current element is the ISM\_RESOURCE\_ELEMENT, this rule ensures that attribute @ism:noticeType is specified with a value containing only one of [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00162">
  <sch:rule id="ISM-ID-00162-R1"
    context="*[$ISM_USDOD_RESOURCE and not($ISM_DOD_DISTRO_EXEMPT) and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
    <sch:let name="matchingTokens"
      value="for $token in tokenize(normalize-space(string(@ism:noticeType)), ' ') return if(matches($token,'^DoD-Dist-[ABCDEF]$')) then $token else null"/>
    <sch:assert test="count($matchingTokens) <= 1" flag="error" role="error">[ISM-ID-00162][Error] If ISM_USDOD_RESOURCE and 1. not ISM_DOD_DISTRO_EXEMPT AND 2.
attribute @ism:noticeType of ISM_RESOURCE_ELEMENT contains more than one of [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F] Human Readable: All US DOD
documents that do not claim exemption from DoD5230.24 distribution statements must have only 1 distribution statement for the entire document.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.89 - ../Rules/general/ISM\_ID\_00163.sch

### Rule Description

[ISM-ID-00163][Error] If attribute @ism:nonUSControls exists either 1. the attribute @ism:ownerProducer must equal [NATO] or a [NATO:NAC] OR 2. the attribute @ism:FGIsourceOpen must contain [NATO] or a [NATO:NAC] OR 3. the attribute @ism:FGIsourceProtected is used (This should only be the case when it is a resource level or super portion marking) Human Readable: NATO and NATO/NACs are the only owner of classification markings for which nonUSControls are currently authorized.

### Code Description

For each element which specifies attribute @ism:nonUSControls, this rule ensures that either the attributes @ism:ownerProducer or @ism:FGIsourceOpen are specified with a value of [NATO] or [NATO:NAC] OR the @ism:FGIsourceProtected attribute is specified.

NOTE: The last case with @ism:FGIsourceProtected should only occur when the element is either a resource node or a super-portion such as the marking of a table where the table contains one or more portions meeting 1 or 2 from the rule description AND one or more portions with @ism:FGIsourceProtected is specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00163">
  <sch:rule id="ISM-ID-00163-R1" context="*[@ism:nonUSControls]">
    <sch:assert test="(matches(normalize-space(string(@ism:ownerProducer)), '^NATO:?') or matches(normalize-space(string(@ism:FGIsourceOpen)), 'NATO:?')) or
@ism:FGIsourceProtected"
              flag="error"
              role="error">[ISM-ID-00163][Error] If attribute @ism:nonUSControls exists either 1. the attribute @ism:ownerProducer must equal [NATO] or a [NATO:NAC] OR 2.
the attribute @ism:FGIsourceOpen must contain [NATO] or a [NATO:NAC] OR 3. the attribute @ism:FGIsourceProtected is used (This should only be the case when it is a resource level or super
portion marking) Human Readable: NATO and NATO/NACs are the only owner of classification markings for which nonUSControls are currently authorized.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.90 - ../Rules/USGov/ISM\_ID\_00164.sch

### Rule Description

[ISM-ID-00164][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:disseminationControls contains the name token [RS], then attribute @ism:classification must have a value of [TS] or [S]. Human Readable: USA documents with RISK SENSITIVE dissemination must be classified SECRET or TOP SECRET.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:disseminationControls specified with a value containing the token [RS] this rule ensures that attribute @ism:classification is not specified with a value of [TS] or [S].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00164">
  <sch:rule id="ISM-ID-00164-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('RS'))]">
    <sch:assert test="@ism:classification=('TS', 'S')" flag="error" role="error">[ISM-ID-00164][Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls
contains the name token [RS], then attribute @ism:classification must have a value of [TS] or [S]. Human Readable: USA documents with RISK SENSITIVE dissemination must be classified SECRET or
TOP SECRET.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.91 - ../Rules/USGov/ISM\_ID\_00165.sch

### Rule Description

[ISM-ID-00165][Error] If ISM\_USGOV\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [RS] then the ISM\_RESOURCE\_ELEMENT must have @ism:disseminationControls containing [RS]. Human Readable: USA documents having RISK SENSITIVE (RS) data must have RS at the resource level.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then this rule ensures that the ISM\_RESOURCE\_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00165" is-a="AttributeContributesToRollup">
  <sch:param name="attrLocalName" value="disseminationControls"/>
  <sch:param name="value" value="RS"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00165][Error] USA documents having RISK SENSITIVE (RS) data must have RS at the resource level.'"/>
</sch:pattern>
```

## 11.92 - ../Rules/USGov/ISM\_ID\_00166.sch

### Rule Description

[ISM-ID-00166][Warning] Attribute @ism:classification should not contain any value which will be deprecated.

### Code Description

For each element which specifies attribute @ism:classification, this rule ensures that the value of @ism:classification has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that classification value. If the current date is less than or equal to the date value in (@deprecated), then a deprecation warning will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00166" is-a="AttributeValueDeprecatedWarning">
  <sch:param name="ruleId" value="'ISM-ID-00166'"/>
  <sch:param name="context" value="*[@ism:classification]"/>
  <sch:param name="attrName" value="classification"/>
  <sch:param name="cveName" value="CVEnumISMClassificationAll"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.93 - ../Rules/USGov/ISM\_ID\_00168.sch

### Rule Description

[ISM-ID-00168][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:disseminationControls is not specified or is specified and does not contain the name token [DISPLAYONLY], then attribute @ism:displayOnlyTo must not be specified. Human Readable: If a portion in a USA document is not marked for DISPLAY ONLY dissemination, it must not list countries to which it may be disclosed.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE and attribute @ism:disseminationControls does not contain the token [DISPLAYONLY], this rule ensures that the attribute @ism:displayOnlyTo is not specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00168">
  <sch:rule id="ISM-ID-00168-R1"
    context="*[$ISM_USGOV_RESOURCE and not(util:containsAnyOfTheTokens(@ism:disseminationControls, ('DISPLAYONLY')))]">
    <sch:assert test="not(@ism:displayOnlyTo)" flag="error" role="error">[ISM-ID-00168][Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls is not
specified or is specified and does not contain the name token [DISPLAYONLY], then attribute @ism:displayOnlyTo must not be specified. Human Readable: If a portion in a USA document is not
marked for DISPLAY ONLY dissemination, it must not list countries to which it may be disclosed.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.94 - ../Rules/USGov/ISM\_ID\_00169.sch

### Rule Description

[ISM-ID-00169][Error] If ISM\_USGOV\_RESOURCE, then for attribute @ism:disseminationControls the name tokens [DISPLAYONLY], [RELIDO] and [NF] are mutually exclusive. Human Readable: In a USA document, DISPLAY ONLY, RELIDO and NO FOREIGN dissemination are mutually exclusive for a single element.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:disseminationControls specified with a value containing the token [DISPLAYONLY], [RELIDO] or [NF], this rule ensures that attribute @ism:disseminationControls is specified with a value containing only one of the tokens [DISPLAYONLY], [RELIDO] or [NF].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00169" is-a="MutuallyExclusiveAttributeValues">
  <sch:param name="context"
    value="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('DISPLAYONLY', 'RELIDO', 'NF'))]"/>
  <sch:param name="attrValue" value="@ism:disseminationControls"/>
  <sch:param name="mutuallyExclusiveTokenList"
    value="('DISPLAYONLY', 'RELIDO', 'NF')"/>
  <sch:param name="errMsg"
    value="' [ISM-ID-00169][Error] If ISM_USGOV_RESOURCE, then for attribute disseminationControls the name tokens [DISPLAYONLY], [RELIDO] and [NF] are mutually
exclusive. Human Readable: In a USA document, DISPLAY ONLY, RELIDO and NO FOREIGN dissemination are mutually exclusive for a single element. '"/>
  </sch:pattern>
```

## 11.95 - ../Rules/USGov/ISM\_ID\_00170.sch

### Rule Description

[ISM-ID-00170][Error] Attribute @ism:classification must not contain any values which have passed their deprecation date.

### Code Description

For each element which specifies attribute @ism:classification, this rule ensures that the value of @ism:classification has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that classification value. If the current date is greater than the date value in (@deprecated), then a deprecation error will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00170" is-a="AttributeValueDeprecatedError">
  <sch:param name="ruleId" value="'ISM-ID-00170'"/>
  <sch:param name="context" value="*[@ism:classification]"/>
  <sch:param name="attrName" value="classification"/>
  <sch:param name="cveName" value="CVEnumISMClassificationAll"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.96 - ../Rules/USGov/ISM\_ID\_00173.sch

### Rule Description

[ISM-ID-00173][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:atomicEnergyMarkings contains a name token starting with [RD-SG] or [FRD-SG], then attribute @ism:classification must have a value of [S] or [TS]. Human Readable: Portions in a USA document that contain RD or FRD SIGMA data must be marked SECRET or TOP SECRET.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:atomicEnergyMarkings specified with a value containing a token starting with [RD-SG] or [FRD-SG], this rule ensures that the attribute @ism:classification has a value of [S] or [TS].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00173">
  <sch:rule id="ISM-ID-00173-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:atomicEnergyMarkings, ('^RD-SG', '^FRD-SG'))]">
    <sch:assert test="@ism:classification = ('S','TS')" flag="error" role="error">[ISM-ID-00173][Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings
contains a name token starting with [RD-SG] or [FRD-SG], then attribute @ism:classification must have a value of [S] or [TS]. Human Readable: Portions in a USA document that contain RD or FRD
SIGMA data must be marked SECRET or TOP SECRET.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.97 - ../Rules/USGov/ISM\_ID\_00174.sch

### Rule Description

[ISM-ID-00174][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:atomicEnergyMarkings contains the name token [RD], [FRD], or [TFNI], then attribute @ism:classification must have a value of [TS], [S], or [C]. Human Readable: USA documents with RD, FRD, or TFNI data must be marked CONFIDENTIAL, SECRET, or TOP SECRET.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:atomicEnergyMarkings specified with a value containing the token [RD], [FRD], or [TFNI], this rule ensures that the attribute @ism:classification has a value of [TS], [S], or [C].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00174">
  <sch:rule id="ISM-ID-00174-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD', 'FRD', 'TFNI'))]">
    <sch:assert test="@ism:classification = ('TS','S','C')"
      flag="error"
      role="error">[ISM-ID-00174][Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains the name token [RD], [FRD], or [TFNI], then
attribute @ism:classification must have a value of [TS], [S], or [C]. Human Readable: USA documents with RD, FRD, or TFNI data must be marked CONFIDENTIAL, SECRET, or TOP SECRET.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.98 - ../Rules/USGov/ISM\_ID\_00175.sch

### Rule Description

[ISM-ID-00175][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:atomicEnergyMarkings contains the name token [RD-CNWDI], then attribute @ism:classification must have a value of [TS] or [S].

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:atomicEnergyMarkings specified with a value containing the token [RD-CNWDI], this rule ensures that the attribute @ism:classification has a value of [TS] or [S].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00175">
  <sch:rule id="ISM-ID-00175-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD-CNWDI'))]">
    <sch:assert test="@ism:classification = ('TS','S')" flag="error" role="error">[ISM-ID-00175][Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings
contains the name token [RD-CNWDI], then attribute @ism:classification must have a value of [TS] or [S].</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.99 - ../Rules/USGov/ISM\_ID\_00176.sch

### Rule Description

[ISM-ID-00176][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:atomicEnergyMarkings has a name token containing [RD] or [FRD], then attributes @ism:declassDate and @ism:declassEvent cannot be specified on the resourceElement. Human Readable: Automatic declassification of documents containing RD or FRD information is prohibited. Attributes declassDate and declassEvent cannot be used in the classification authority block when RD or FRD is present.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing the token [RD] or [FRD], this rule ensures that the resourceElement does not have attributes ism:declassDate or ism:declassEvent specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER ROLLUP STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00176">
  <sch:rule id="ISM-ID-00176-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD', 'FRD'))]">
    <sch:assert test="not($ISM_RESOURCE_ELEMENT/@ism:declassDate or $ISM_RESOURCE_ELEMENT/@ism:declassEvent)"
      flag="error"
      role="error">[ISM-ID-00176][Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings has a name token containing [RD] or [FRD], then attributes
@ism:declassDate and @ism:declassEvent cannot be specified on the resourceElement. Human Readable: Automatic declassification of documents containing RD or FRD information is prohibited.
Attributes declassDate and declassEvent cannot be used in the classification authority block when RD or FRD is present.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.100 - ../Rules/USGov/ISM\_ID\_00179.sch

### Rule Description

[ISM-ID-00179][Warning] Attribute @ism:disseminationControls should not contain any values which will be deprecated.

### Code Description

For each element which specifies attribute @ism:disseminationControls, this rule ensures that the value of @ism:disseminationControls has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that disseminationControls value. If the current date is less than or equal to the date value in (@deprecated), then a deprecation warning will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00179" is-a="AttributeValueDeprecatedWarning">
  <sch:param name="ruleId" value="'ISM-ID-00179'"/>
  <sch:param name="context" value="*[@ism:disseminationControls]"/>
  <sch:param name="attrName" value="disseminationControls"/>
  <sch:param name="cveName" value="CVEnumISMDissem"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.101 - ../Rules/USGov/ISM\_ID\_00180.sch

### Rule Description

[ISM-ID-00180][Error] Attribute @ism:disseminationControls must not contain values which have passed their deprecation date.

### Code Description

For each element which specifies attribute @ism:disseminationControls, this rule ensures that the value of @ism:disseminationControls has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that disseminationControls value. If the current date is greater than the date value in (@deprecated), then a deprecation error will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00180" is-a="AttributeValueDeprecatedError">
  <sch:param name="ruleId" value="'ISM-ID-00180'"/>
  <sch:param name="context" value="*[@ism:disseminationControls]"/>
  <sch:param name="attrName" value="disseminationControls"/>
  <sch:param name="cveName" value="CVEnumISMDissem"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.102 - ../Rules/USGov/ISM\_ID\_00181.sch

### Rule Description

[ISM-ID-00181][Error] If ISM\_USGOV\_RESOURCE and element's classification does not have a value of "U" then attribute @ism:atomicEnergyMarkings must not contain the name token [UCNI] or [DCNI]. Human Readable: UCNI and DCNI may only be used on UNCLASSIFIED portions.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:atomicEnergyMarkings specified and has attribute @ism:classification specified with a value other than [U], this rule ensures that attribute @ism:atomicEnergyMarkings does not contain the token [UCNI] or [DCNI].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00181">
  <sch:rule id="ISM-ID-00181-R1"
    context="*[$ISM_USGOV_RESOURCE and @ism:atomicEnergyMarkings and not(@ism:classification='U')]">
    <sch:assert test="not(util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('UCNI', 'DCNI')))"
      flag="error"
      role="error">[ISM-ID-00181][Error] If ISM_USGOV_RESOURCE and element's classification does not have a value of "U" then attribute @ism:atomicEnergyMarkings
must not contain the name token [UCNI] or [DCNI]. Human Readable: UCNI and DCNI may only be used on UNCLASSIFIED portions.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.103 - ../Rules/USGov/ISM\_ID\_00183.sch

### Rule Description

[ISM-ID-00183][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:atomicEnergyMarkings contains a name token starting with [RD-SG], then it must also contain the name token [RD].

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:atomicEnergyMarkings specified with a value containing a token starting with [RD-SG], this rule ensures that attribute @ism:atomicEnergyMarkings also contains the token [RD].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00183">
  <sch:rule id="ISM-ID-00183-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:atomicEnergyMarkings, ('^RD-SG'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD'))"
      flag="error"
      role="error">[ISM-ID-00183][Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains a name token starting with [RD-SG], then it must
also contain the name token [RD].</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.104 - ../Rules/USGov/ISM\_ID\_00184.sch

### Rule Description

[ISM-ID-00184][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:atomicEnergyMarkings contains a name token starting with [FRD-SG], then it must also contain the name token [FRD].

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:atomicEnergyMarkings specified with a value containing a token starting with [FRD-SG], this rule ensures that attribute @ism:atomicEnergyMarkings also contains the token [FRD].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00184">
  <sch:rule id="ISM-ID-00184-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:atomicEnergyMarkings, ('^FRD-SG'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('FRD'))"
      flag="error"
      role="error">[ISM-ID-00184][Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains a name token starting with [FRD-SG], then it must
also contain the name token [FRD].</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.105 - ../Rules/USGov/ISM\_ID\_00185.sch

### Rule Description

[ISM-ID-00185][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:atomicEnergyMarkings contains the name token [RD-CNWDI], then it must also contain the name token [RD].

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:atomicEnergyMarkings specified with a value containing the token [RD-CNWDI], this rule ensures that attribute @ism:atomicEnergyMarkings also contains the token [RD].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00185">
  <sch:rule id="ISM-ID-00185-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:atomicEnergyMarkings, ('RD-CNWDI'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD'))"
      flag="error"
      role="error">[ISM-ID-00185][Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains the name token [RD-CNWDI], then it must also
contain the name token [RD].</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.106 - ../Rules/USGov/ISM\_ID\_00188.sch

### Rule Description

[ISM-ID-00188][Warning] Attribute @ism:FGIsourceOpen should not contain any value which will be deprecated.

### Code Description

For each element which specifies attribute @ism:FGIsourceOpen, this rule ensures that the value of @ism:FGIsourceOpen has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that FGIsourceOpen value. If the current date is less than or equal to the date value in (@deprecated), then a deprecation warning will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00188" is-a="AttributeValueDeprecatedWarning">
  <sch:param name="ruleId" value="'ISM-ID-00188'"/>
  <sch:param name="context" value="*[@ism:FGIsourceOpen]"/>
  <sch:param name="attrName" value="FGIsourceOpen"/>
  <sch:param name="cveName" value="CVEnumISMCAATFGIOpen"/>
  <sch:param name="cveSpec" value="ISMCAAT"/>
</sch:pattern>
```

## 11.107 - ../Rules/USGov/ISM\_ID\_00189.sch

### Rule Description

[ISM-ID-00189][Error] Attribute @ism:FGIsourceOpen must not contain values that have passed their deprecation date.

### Code Description

For each element which specifies attribute @ism:FGIsourceOpen, this rule ensures that the value of @ism:FGIsourceOpen has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that FGIsourceOpen value. If the current date is greater than the date value in (@deprecated), then a deprecation error will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00189" is-a="AttributeValueDeprecatedError">
  <sch:param name="ruleId" value="'ISM-ID-00189'"/>
  <sch:param name="context" value="*[@ism:FGIsourceOpen]"/>
  <sch:param name="attrName" value="FGIsourceOpen"/>
  <sch:param name="cveName" value="CVEnumISMCAATFGIOpen"/>
  <sch:param name="cveSpec" value="ISMCAAT"/>
</sch:pattern>
```

## 11.108 - ../Rules/USGov/ISM\_ID\_00190.sch

### Rule Description

[ISM-ID-00190][Warning] Attribute @ism:FGISourceProtected should not contain any values which will be deprecated.

### Code Description

For each element which specifies attribute @ism:FGISourceProtected, this rule ensures that the value of @ism:FGISourceProtected has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that FGISourceProtected value. If the current date is less than or equal to the date value in (@deprecated), then a deprecation warning will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00190" is-a="AttributeValueDeprecatedWarning">
  <sch:param name="ruleId" value="'ISM-ID-00190'"/>
  <sch:param name="context" value="*[@ism:FGISourceProtected]"/>
  <sch:param name="attrName" value="FGISourceProtected"/>
  <sch:param name="cveName" value="CVEnumISMCAATFGIProtected"/>
  <sch:param name="cveSpec" value="ISMCAAT"/>
</sch:pattern>
```

## 11.109 - ../Rules/USGov/ISM\_ID\_00191.sch

### Rule Description

[ISM-ID-00191][Error] Attribute @ism:FGISourceProtected must not contain any values which have passed their deprecation date.

### Code Description

For each element which specifies attribute @ism:FGISourceProtected, this rule ensures that the value of @ism:FGISourceProtected has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that FGISourceProtected value. If the current date is greater than the date value in (@deprecated), then a deprecation error will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00191" is-a="AttributeValueDeprecatedError">
  <sch:param name="ruleId" value="'ISM-ID-00191'"/>
  <sch:param name="context" value="*[@ism:FGISourceProtected]"/>
  <sch:param name="attrName" value="FGISourceProtected"/>
  <sch:param name="cveName" value="CVEnumISMCAATFGIProtected"/>
  <sch:param name="cveSpec" value="ISMCAAT"/>
</sch:pattern>
```

## 11.110 - ../Rules/USGov/ISM\_ID\_00192.sch

### Rule Description

[ISM-ID-00192][Warning] Attribute @ism:nonICmarkings should not contain any values which will be deprecated.

### Code Description

For each element which specifies attribute @ism:nonICmarkings, this rule ensures that the value of @ism:nonICmarkings has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that nonICmarkings value. If the current date is less than or equal to the date value in (@deprecated), then a deprecation warning will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00192" is-a="AttributeValueDeprecatedWarning">
  <sch:param name="ruleId" value="'ISM-ID-00192'"/>
  <sch:param name="context" value="*[@ism:nonICmarkings]"/>
  <sch:param name="attrName" value="nonICmarkings"/>
  <sch:param name="cveName" value="CVEnumISMNonIC"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.111 - ../Rules/USGov/ISM\_ID\_00193.sch

### Rule Description

[ISM-ID-00193][Error] Attribute @ism:nonICmarkings must not contain values which have passed their deprecation date.

### Code Description

For each element which specifies attribute @ism:nonICmarkings, this rule ensures that the value of @ism:nonICmarkings has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that nonICmarkings value. If the current date is greater than the date value in (@deprecated), then a deprecation error will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00193" is-a="AttributeValueDeprecatedError">
  <sch:param name="ruleId" value="'ISM-ID-00193'"/>
  <sch:param name="context" value="*[@ism:nonICmarkings]"/>
  <sch:param name="attrName" value="nonICmarkings"/>
  <sch:param name="cveName" value="CVEnumISMNonIC"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.112 - ../Rules/general/ISM\_ID\_00194.sch

### Rule Description

[ISM-ID-00194][Warning] Attribute @ism:noticeType should not contain any values which will be deprecated.

### Code Description

For each element which specifies attribute @ism:noticeType, this rule ensures that the value of @ism:noticeType has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that @ism:noticeType value. If the current date is less than or equal to the date value in (@deprecated), then a deprecation warning will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00194" is-a="AttributeValueDeprecatedWarning">
  <sch:param name="ruleId" value="'ISM-ID-00194'"/>
  <sch:param name="context" value="*[@ism:noticeType]"/>
  <sch:param name="attrName" value="noticeType"/>
  <sch:param name="cveName" value="CVEnumISMNotice"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.113 - ../Rules/general/ISM\_ID\_00195.sch

### Rule Description

[ISM-ID-00195][Error] Attribute @ism:noticeType must NOT contain values which have passed their deprecation date.

### Code Description

For each element which specifies attribute @ism:noticeType, this rule ensures that the value of @ism:noticeType has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that noticeType value. If the current date is greater than the date value in (@deprecated), then a deprecation error will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00195" is-a="AttributeValueDeprecatedError">
  <sch:param name="ruleId" value="'ISM-ID-00195'"/>
  <sch:param name="context" value="*[@ism:noticeType]"/>
  <sch:param name="attrName" value="noticeType"/>
  <sch:param name="cveName" value="CVEnumISMNotice"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.114 - ../Rules/USGov/ISM\_ID\_00196.sch

### Rule Description

[ISM-ID-00196][Warning] Attribute @ism:ownerProducer should not contain any values which will be deprecated.

### Code Description

For each element which specifies attribute @ism:ownerProducer, this rule ensures that the value of @ism:ownerProducer has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that ownerProducer value. If the current date is less than or equal to the date value in (@deprecated), then a deprecation warning will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00196" is-a="AttributeValueDeprecatedWarning">
  <sch:param name="ruleId" value="'ISM-ID-00196'"/>
  <sch:param name="context" value="*[@ism:ownerProducer]"/>
  <sch:param name="attrName" value="ownerProducer"/>
  <sch:param name="cveName" value="CVEnumISMCAOwnerProducer"/>
  <sch:param name="cveSpec" value="ISMCA"/>
</sch:pattern>
```

## 11.115 - ../Rules/USGov/ISM\_ID\_00197.sch

### Rule Description

[ISM-ID-00197][Error] Attribute @ism:ownerProducer must not contain values which have passed their deprecation date.

### Code Description

For each element which specifies attribute @ism:ownerProducer, this rule ensures that the value of @ism:ownerProducer has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that ownerProducer value. If the current date is greater than the date value in (@deprecated), then a deprecation error will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00197" is-a="AttributeValueDeprecatedError">
  <sch:param name="ruleId" value="'ISM-ID-00197'"/>
  <sch:param name="context" value="*[@ism:ownerProducer]"/>
  <sch:param name="attrName" value="ownerProducer"/>
  <sch:param name="cveName" value="CVEnumISMCAOwnerProducer"/>
  <sch:param name="cveSpec" value="ISMCA"/>
</sch:pattern>
```

## 11.116 - ../Rules/USGov/ISM\_ID\_00198.sch

### Rule Description

[ISM-ID-00198][Warning] Attribute @ism:releasableTo should not contain any values which will be deprecated.

### Code Description

For each element which specifies attribute @ism:releasableTo, this rule ensures that the value of @ism:releasableTo has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that releasableTo value. If the current date is less than or equal to the date value in (@deprecated), then a deprecation warning will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00198" is-a="AttributeValueDeprecatedWarning">
  <sch:param name="ruleId" value="'ISM-ID-00198'"/>
  <sch:param name="context" value="*[@ism:releasableTo]"/>
  <sch:param name="attrName" value="releasableTo"/>
  <sch:param name="cveName" value="CGLenumISMCARelTo"/>
  <sch:param name="cveSpec" value="ISMCA"/>
</sch:pattern>
```

## 11.117 - ../Rules/USGov/ISM\_ID\_00199.sch

### Rule Description

[ISM-ID-00199][Error] Attribute @ism:releasableTo must not contain values which have passed their deprecation date.

### Code Description

For each element which specifies attribute @ism:releasableTo, this rule ensures that the value of @ism:releasableTo has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that releasableTo value. If the current date is greater than the date value in (@deprecated), then a deprecation error will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00199" is-a="AttributeValueDeprecatedError">
  <sch:param name="ruleId" value="'ISM-ID-00199'"/>
  <sch:param name="context" value="*[@ism:releasableTo]"/>
  <sch:param name="attrName" value="releasableTo"/>
  <sch:param name="cveName" value="CVEnumISMCARelTo"/>
  <sch:param name="cveSpec" value="ISMCA"/>
</sch:pattern>
```

## 11.118 - ../Rules/USGov/ISM\_ID\_00200.sch

### Rule Description

[ISM-ID-00200][Warning] Attribute @ism:displayOnlyTo should not contain any values which will be deprecated.

### Code Description

For each element which specifies attribute @ism:displayOnlyTo, this rule ensures that the value of @ism:displayOnlyTo has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that displayOnlyTo value. If the current date is less than or equal to the date value in (@deprecated), then a deprecation warning will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00200" is-a="AttributeValueDeprecatedWarning">
  <sch:param name="ruleId" value="'ISM-ID-00200'"/>
  <sch:param name="context" value="*[@ism:displayOnlyTo]"/>
  <sch:param name="attrName" value="displayOnlyTo"/>
  <sch:param name="cveName" value="CVEnumISMCARelTo"/>
  <sch:param name="cveSpec" value="ISMCA"/>
</sch:pattern>
```

## 11.119 - ../Rules/USGov/ISM\_ID\_00201.sch

### Rule Description

[ISM-ID-00201][Error] Attribute @ism:displayOnlyTo must not contain values which have passed their deprecation date.

### Code Description

For each element which specifies attribute @ism:displayOnlyTo, this rule ensures that the value of @ism:displayOnlyTo has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that displayOnlyTo value. If the current date is greater than the date value in (@deprecated), then a deprecation error will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00201" is-a="AttributeValueDeprecatedError">
  <sch:param name="ruleId" value="'ISM-ID-00201'"/>
  <sch:param name="context" value="*[@ism:displayOnlyTo]"/>
  <sch:param name="attrName" value="displayOnlyTo"/>
  <sch:param name="cveName" value="CVEnumISMCARelTo"/>
  <sch:param name="cveSpec" value="ISMCA"/>
</sch:pattern>
```

## 11.120 - ../Rules/USGov/ISM\_ID\_00202.sch

### Rule Description

[ISM-ID-00202][Warning] Attribute @ism:SARIdentifier should not contain any values which will be deprecated.

### Code Description

For each element which specifies attribute @ism:SARIdentifier, this rule ensures that the value of @ism:SARIdentifier has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that SARIdentifier value. If the current date is less than or equal to the date value in (@deprecated), then a deprecation warning will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00202" is-a="AttributeValueDeprecatedWarning">
  <sch:param name="ruleId" value="'ISM-ID-00202'"/>
  <sch:param name="context" value="*[@ism:SARIdentifier]"/>
  <sch:param name="attrName" value="SARIdentifier"/>
  <sch:param name="cveName" value="CVEnumISMSAR"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.121 - ../Rules/USGov/ISM\_ID\_00203.sch

### Rule Description

[ISM-ID-00203][Error] Attribute @ism:SARIdentifier must not contain values which have passed their deprecation date.

### Code Description

For each element which specifies attribute @ism:SARIdentifier, this rule ensures that the value of @ism:SARIdentifier has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that SARIdentifier value. If the current date is greater than the date value in (@deprecated), then a deprecation error will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00203" is-a="AttributeValueDeprecatedError">
  <sch:param name="ruleId" value="'ISM-ID-00203'"/>
  <sch:param name="context" value="*[@ism:SARIdentifier]"/>
  <sch:param name="attrName" value="SARIdentifier"/>
  <sch:param name="cveName" value="CVEnumISMSAR"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.122 - ../Rules/USGov/ISM\_ID\_00204.sch

### Rule Description

[ISM-ID-00204][Warning] Attribute @ism:SCIcontrols should not contain any values which will be deprecated.

### Code Description

For each element which specifies attribute @ism:SCIcontrols, this rule ensures that the value of @ism:SCIcontrols has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that SCIcontrols value. If the current date is less than or equal to the date value in (@deprecated), then a deprecation warning will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00204" is-a="AttributeValueDeprecatedWarning">
  <sch:param name="ruleId" value="'ISM-ID-00204'"/>
  <sch:param name="context" value="*[@ism:SCIcontrols]"/>
  <sch:param name="attrName" value="SCIcontrols"/>
  <sch:param name="cveName" value="CVEnumISMSCIcontrols"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.123 - ../Rules/USGov/ISM\_ID\_00205.sch

### Rule Description

[ISM-ID-00205][Error] Attribute @ism:SCIcontrols must not contain values which have passed their deprecation date.

### Code Description

For each element which specifies attribute @ism:SCIcontrols, this rule ensures that the value of @ism:SCIcontrols has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that SCIcontrols value. If the current date is greater than the date value in (@deprecated), then a deprecation error will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00205" is-a="AttributeValueDeprecatedError">
  <sch:param name="ruleId" value="'ISM-ID-00205'"/>
  <sch:param name="context" value="*[@ism:SCIcontrols]"/>
  <sch:param name="attrName" value="SCIcontrols"/>
  <sch:param name="cveName" value="CVEnumISMSCIcontrols"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.124 - ../Rules/USGov/ISM\_ID\_00206.sch

### Rule Description

[ISM-ID-00206][Warning] Attribute @ism:declassException should not contain any values which will be deprecated.

### Code Description

For each element which specifies attribute @ism:declassException, this rule ensures that the value of @ism:declassException has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that declassException value. If the current date is less than or equal to the date value in (@deprecated), then a deprecation warning will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00206" is-a="AttributeValueDeprecatedWarning">
  <sch:param name="ruleId" value="'ISM-ID-00206'"/>
  <sch:param name="context" value="*[@ism:declassException]"/>
  <sch:param name="attrName" value="declassException"/>
  <sch:param name="cveName" value="CVEnumISM25X"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.125 - ../Rules/USGov/ISM\_ID\_00207.sch

### Rule Description

[ISM-ID-00207][Error] Attribute @ism:declassException must not contain values which have passed their deprecation date.

### Code Description

For each element which specifies attribute @ism:declassException, this rule ensures that the value of @ism:declassException has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that declassException value. If the current date is greater than the date value in (@deprecated), then a deprecation error will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00207" is-a="AttributeValueDeprecatedError">
  <sch:param name="ruleId" value="'ISM-ID-00207'"/>
  <sch:param name="context" value="*[@ism:declassException]"/>
  <sch:param name="attrName" value="declassException"/>
  <sch:param name="cveName" value="CVEnumISM25X"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.126 - ../Rules/USGov/ISM\_ID\_00208.sch

### Rule Description

[ISM-ID-00208][Warning] Attribute @ism:atomicEnergyMarkings should not contain any values which will be deprecated.

### Code Description

For each element which specifies attribute @ism:atomicEnergyMarkings, this rule ensures that the value of @ism:atomicEnergyMarkings has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that atomicEnergyMarkings value. If the current date is less than or equal to the date value in (@deprecated), then a deprecation warning will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00208" is-a="AttributeValueDeprecatedWarning">
  <sch:param name="ruleId" value="'ISM-ID-00208'"/>
  <sch:param name="context" value="*[@ism:atomicEnergyMarkings]"/>
  <sch:param name="attrName" value="atomicEnergyMarkings"/>
  <sch:param name="cveName" value="CVEnumISMAtomicEnergyMarkings"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.127 - ../Rules/USGov/ISM\_ID\_00209.sch

### Rule Description

[ISM-ID-00209][Error] Attribute @ism:atomicEnergyMarkings must not contain values which have passed their deprecation date.

### Code Description

For each element which specifies attribute @ism:atomicEnergyMarkings, this rule ensures that the value of @ism:atomicEnergyMarkings has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that atomicEnergyMarkings value. If the current date is greater than the date value in (@deprecated), then a deprecation error will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00209" is-a="AttributeValueDeprecatedError">
  <sch:param name="ruleId" value="'ISM-ID-00209'"/>
  <sch:param name="context" value="*[@ism:atomicEnergyMarkings]"/>
  <sch:param name="attrName" value="atomicEnergyMarkings"/>
  <sch:param name="cveName" value="CVEnumISMAtomicEnergyMarkings"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.128 - ../Rules/USGov/ISM\_ID\_00210.sch

### Rule Description

[ISM-ID-00210][Warning] Attribute @ism:nonUSControls should not contain any values which will be deprecated.

### Code Description

For each element which specifies attribute @ism:nonUSControls, this rule ensures that the value of @ism:nonUSControls has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that nonUSControls value. If the current date is less than or equal to the date value in (@deprecated), then a deprecation warning will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00210" is-a="AttributeValueDeprecatedWarning">
  <sch:param name="ruleId" value="'ISM-ID-00210'"/>
  <sch:param name="context" value="*[@ism:nonUSControls]"/>
  <sch:param name="attrName" value="nonUSControls"/>
  <sch:param name="cveName" value="CVEnumISMNonUSControls"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.129 - ../Rules/USGov/ISM\_ID\_00211.sch

### Rule Description

[ISM-ID-00211][Error] Attribute @ism:nonUSControls must not contain values which have passed their deprecation date.

### Code Description

For each element which specifies attribute @ism:nonUSControls, this rule ensures that the value of @ism:nonUSControls has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that nonUSControls value. If the current date is greater than the date value in (@deprecated), then a deprecation error will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00211" is-a="AttributeValueDeprecatedError">
  <sch:param name="ruleId" value="'ISM-ID-00211'"/>
  <sch:param name="context" value="*[@ism:nonUSControls]"/>
  <sch:param name="attrName" value="nonUSControls"/>
  <sch:param name="cveName" value="CVEnumISMNonUSControls"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.130 - ../Rules/USGov/ISM\_ID\_00213.sch

### Rule Description

[ISM-ID-00213][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:disseminationControls contains the name token [DISPLAYONLY], then attribute @ism:displayOnlyTo must be specified. Human Readable: A USA document with DISPLAY ONLY dissemination must indicate the countries to which it may be disclosed.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:disseminationControls specified with a value containing the token [DISPLAYONLY] this rule ensures that attribute @ism:displayOnlyTo is specified.

### Schematron Code

```
<?schematron-phases phaseids="BANNER PORTION STRUCTURECHECK"?>
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00213">
  <sch:rule id="ISM-ID-00213-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('DISPLAYONLY'))]">
    <sch:assert test="@ism:displayOnlyTo" flag="error" role="error">[ISM-ID-00213][Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name
token [DISPLAYONLY], then attribute @ism:displayOnlyTo must be specified. Human Readable: A USA document with DISPLAY ONLY dissemination must indicate the countries to which it may be
disclosed.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.131 - ../Rules/USGov/ISM\_ID\_00214.sch

### Rule Description

[ISM-ID-00214][Error] If ISM\_USGOV\_RESOURCE then attribute @ism:releasableTo must start with [USA].

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:releasableTo this rule ensures that attribute @ism:releasableTo is specified with a value that starts with the token [USA].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00214">
  <sch:rule id="ISM-ID-00214-R1"
    context="*[$ISM_USGOV_RESOURCE and @ism:releasableTo]">
    <sch:assert test="index-of(tokenize(normalize-space(string(@ism:releasableTo)), ' '), 'USA')=1"
      flag="error"
      role="error">[ISM-ID-00214][Error] If ISM_USGOV_RESOURCE then attribute @ism:releasableTo must start with [USA].</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.132 - ../Rules/USGov/ISM\_ID\_00217.sch

### Rule Description

[ISM-ID-00217][Error] If ISM\_USGOV\_RESOURCE attribute @ism:FGIsourceProtected contains [FGI], it must be the only value.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies the attribute @ism:FGIsourceProtected, this rule ensures that attribute @ism:FGIsourceProtected contains only the token [FGI].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00217">
  <sch:rule id="ISM-ID-00217-R1"
    context="*[$ISM_USGOV_RESOURCE and @ism:FGIsourceProtected]">
    <sch:assert test="normalize-space(string(@ism:FGIsourceProtected))='FGI'"
      flag="error"
      role="error">[ISM-ID-00217][Error] If ISM_USGOV_RESOURCE attribute @ism:FGIsourceProtected contains [FGI], it must be the only value.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.133 - ../Rules/USGov/ISM\_ID\_00219.sch

### Rule Description

[ISM-ID-00219][Error] If element meets ISM\_CONTRIBUTES and attribute @ism:ownerProducer contains the token [FGI], then attribute @ism:FGIsourceProtected must have a value containing the token [FGI]. Human Readable: Any non-resource element that contributes to the document's banner roll-up and has FOREIGN GOVERNMENT INFORMATION (FGI) must also specify attribute FGIsourceProtected with token FGI.

### Code Description

For each element which is not the \$ISM\_RESOURCE\_ELEMENT and meets ISM\_CONTRIBUTES and specifies attribute @ism:ownerProducer with a value containing the token [FGI], this rule ensures that attribute @ism:FGIsourceProtected is specified with a value containing the token [FGI].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00219">
  <sch:rule id="ISM-ID-00219-R1"
    context="*[not(generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)) and util:contributesToRollup(.) and util:containsAnyOfTheTokens(@ism:ownerProducer,
('FGI'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:FGIsourceProtected, ('FGI'))"
      flag="error"
      role="error">[ISM-ID-00219][Error] If element meets ISM_CONTRIBUTES and attribute @ism:ownerProducer contains the token [FGI], then attribute
@ism:FGIsourceProtected must have a value containing the token [FGI]. Human Readable: Any non-resource element that contributes to the document's banner roll-up and has FOREIGN GOVERNMENT
INFORMATION (FGI) must also specify attribute FGIsourceProtected with token FGI.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.134 - ../Rules/USGov/ISM\_ID\_00221.sch

### Rule Description

[ISM-ID-00221][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:derivativelyClassifiedBy is specified, then attributes @ism:classificationReason or @ism:classifiedBy must not be specified. Human Readable: USA documents that are derivatively classified must not specify a classification reason or classified by.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:derivativelyClassifiedBy this rule ensures that attribute @ism:classificationReason or @ism:classifiedBy is NOT specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00221">
  <sch:rule id="ISM-ID-00221-R1"
    context="*[$ISM_USGOV_RESOURCE and @ism:derivativelyClassifiedBy]">
    <sch:assert test="not(@ism:classificationReason or @ism:classifiedBy)"
      flag="error"
      role="error">[ISM-ID-00221][Error] If ISM_USGOV_RESOURCE and attribute @ism:derivativelyClassifiedBy is specified, then attributes @ism:classificationReason
or @ism:classifiedBy must not be specified. Human Readable: USA documents that are derivatively classified must not specify a classification reason or classified by.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.135 - ../Rules/USGov/ISM\_ID\_00223.sch

### Rule Description

[ISM-ID-00223][Error] If any elements in namespace urn:us:gov:ic:ism exist, the local name must exist in CVEnumISMElements.xml. Human Readable: Ensure that elements in the ISM namespace are defined by ISM.XML.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00223" is-a="ValidateValueExistenceInList">
  <sch:param name="context" value="ism:*/>
  <sch:param name="searchTerm" value="local-name()"/>
  <sch:param name="list" value="$validElementList"/>
  <sch:param name="errMsg"
    value="' [ISM-ID-00223][Error] If any elements in namespace urn:us:gov:ic:ism exist, the local name must exist in CVEnumISMElements.xml. Human Readable: Ensure
that elements in the ISM namespace are defined by ISM.XML. '"/>
</sch:pattern>
```

## 11.136 - ../Rules/USIC/ISM\_ID\_00225.sch

### Rule Description

[ISM-ID-00225][Error] If subject to IC rules, then attribute @ism:nonICmarkings must NOT be specified with a value containing any name token starting with [ACCM] or [NNPI]. Human Readable: ACCM and NNPI tokens are not valid for documents that are subject to IC rules.

### Code Description

If ISM\_USIC\_RESOURCE, for each element which has attribute @ism:nonICmarkings specified, this rule ensures that attribute @ism:nonICmarkings is not specified with a value containing a token which starts with [ACCM] or [NNPI].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00225">
  <sch:rule id="ISM-ID-00225-R1"
    context="*[$ISM_USIC_RESOURCE and @ism:nonICmarkings and util:contributesToRollup(.)]">
    <sch:assert test="not(util:containsAnyTokenMatching(@ism:nonICmarkings, ('ACCM', 'NNPI')))"
      flag="error"
      role="error">[ISM-ID-00225][Error] If subject to IC rules, then attribute @ism:nonICmarkings must NOT be specified with a value containing any name token
starting with [ACCM] or [NNPI]. Human Readable: ACCM and NNPI tokens are not valid for documents that are subject to IC rules.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.137 - ../Rules/USGov/ISM\_ID\_00226.sch

### Rule Description

[ISM-ID-00226][Error] Attributes @ism:noticeType and @ism:unregisteredNoticeType may not both be used on the same element. Human Readable: Ensure that the ISM attributes noticeType and unregisteredNoticeType are not used on the same element.

### Code Description

For each element which has attribute ism:noticeType specified, this rule ensures that ism:unregisteredNoticeType is not specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00226">
  <sch:rule id="ISM-ID-00226-R1" context="*[@ism:noticeType]">
    <sch:assert flag="error" test="not(@ism:unregisteredNoticeType)" role="error">[ISM-ID-00226][Error] Attributes @ism:noticeType and @ism:unregisteredNoticeType may not
both be used on the same element. Human Readable: Ensure that the ISM attributes noticeType and unregisteredNoticeType are not used on the same element.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.138 - ../Rules/USDOD/ISM\_ID\_00227.sch

### Rule Description

[ISM-ID-00227][Error] Attribute @ism:noticeType may only appear on the resource node when it contains the values [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], [DoD-Dist-F], or [ITAR-EAR]. Human Readable: Documents may only specify a document-level notice if it pertains to DoD Distribution.

### Code Description

For every resource element with the @ism:noticeType attribute specified, this rule ensures that attribute's value is one of [DoD-Dist-A], [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], [DoD-Dist-F], or [ITAR-EAR] by using a regular expression.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00227">
  <sch:rule id="ISM-ID-00227-R1"
    context="*[generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and @ism:noticeType]">
    <sch:assert test="every $noticeToken in tokenize(normalize-space(string(@ism:noticeType)), ' ') satisfies matches($noticeToken, '^(DoD-Dist-[ABCDEF])|ITAR-EAR')"
      flag="error"
      role="error">[ISM-ID-00227][Error] Attribute @ism:noticeType may only appear on the resource node when it contains the values [DoD-Dist-A], [DoD-Dist-B],
[DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], [DoD-Dist-F], or [ITAR-EAR]. Human Readable: Documents may only specify a document-level notice if it pertains to DoD Distribution.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.139 - ../Rules/USGov/ISM\_ID\_00228.sch

### Rule Description

[ISM-ID-00228][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM\_RESOURCE\_ELEMENT contains [FRD] then at least one element meeting ISM\_CONTRIBUTES in the document must have a @ism:atomicEnergyMarking attribute containing [FRD]. Human Readable: USA documents marked FRD at the resource level must have FRD data.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, the current element is the ISM\_RESOURCE\_ELEMENT, and attribute @ism:atomicEnergyMarkings is specified with a value containing the value [FRD], then this rule ensures that some element meeting ISM\_CONTRIBUTES specifies attribute @ism:atomicEnergyMarkings with a value containing [FRD].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00228">
  <sch:rule id="ISM-ID-00228-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('FRD'))]">
    <sch:assert test="index-of($partAtomicEnergyMarkings_tok, 'FRD')>0"
      flag="error"
      role="error">[ISM-ID-00228][Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [FRD] then at least one
element meeting ISM_CONTRIBUTES in the document must have a @ism:atomicEnergyMarking attribute containing [FRD]. Human Readable: USA documents marked FRD at the resource level must have FRD
data.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.140 - ../Rules/USGov/ISM\_ID\_00229.sch

### Rule Description

[ISM-ID-00229][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM\_RESOURCE\_ELEMENT contains [RD] then at least one element meeting ISM\_CONTRIBUTES in the document must have a @ism:atomicEnergyMarking attribute containing [RD]. Human Readable: USA documents marked RD at the resource level must have RD data.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, the current element is the ISM\_RESOURCE\_ELEMENT, and attribute @ism:atomicEnergyMarkings is specified with a value containing the value [RD], then this rule ensures that some element meeting ISM\_CONTRIBUTES specifies attribute @ism:atomicEnergyMarkings with a value containing [RD].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00229">
  <sch:rule id="ISM-ID-00229-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD'))]">
    <sch:assert test="index-of($partAtomicEnergyMarkings_tok,'RD') > 0"
      flag="error"
      role="error">[ISM-ID-00229][Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [RD] then at least one
element meeting ISM_CONTRIBUTES in the document must have a @ism:atomicEnergyMarking attribute containing [RD]. Human Readable: USA documents marked RD at the resource level must have RD
data.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.141 - ../Rules/USGov/ISM\_ID\_00230.sch

### Rule Description

[ISM-ID-00230][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM\_RESOURCE\_ELEMENT contains [FRD-SG-##] then at least one element meeting ISM\_CONTRIBUTES in the document must have a @ism:atomicEnergyMarking attribute containing the same [FRD-SG-##]. Human Readable: USA documents marked FRD-SG-## at the resource level must have FRD-SG-## data, where ## is the same.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, the current element is the ISM\_RESOURCE\_ELEMENT, and attribute @ism:atomicEnergyMarkings is specified with a value containing a token matching [FRD-SG-##], then this rule ensures that some element meeting ISM\_CONTRIBUTES specifies attribute @ism:atomicEnergyMarkings with a value containing a token matching the same [FRD-SG-##].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00230">
  <sch:rule id="ISM-ID-00230-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
    <sch:let name="matchingTokens"
      value="for $token in tokenize(normalize-space(string(@ism:atomicEnergyMarkings)), ' ') return if(matches($token,'^FRD-SG-[1-9][0-9]?$')) then $token else
null"/>
    <sch:assert test="every $token in $matchingTokens satisfies index-of($partAtomicEnergyMarkings_tok, $token) > 0"
      flag="error"
      role="error">[ISM-ID-00230][Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [FRD-SG-##] then at least
one element meeting ISM_CONTRIBUTES in the document must have a @ism:atomicEnergyMarking attribute containing the same [FRD-SG-##]. Human Readable: USA documents marked FRD-SG-## at the
resource level must have FRD-SG-## data, where ## is the same.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.142 - ../Rules/USGov/ISM\_ID\_00231.sch

### Rule Description

[ISM-ID-00231][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM\_RESOURCE\_ELEMENT contains [RD-SG-##] then at least one element meeting ISM\_CONTRIBUTES in the document must have a @ism:atomicEnergyMarking attribute containing the same [RD-SG-##]. Human Readable: USA documents marked RD-SG-## at the resource level must have RD-SG-## or FRD-SG-## data, where ## is the same.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, the current element is the ISM\_RESOURCE\_ELEMENT, and attribute @ism:atomicEnergyMarkings is specified with a value containing a token matching [RD-SG-##], then this rule ensures that some element meeting ISM\_CONTRIBUTES specifies attribute @ism:atomicEnergyMarkings with a value containing a token matching the same [RD-SG-##] or [FRD-SG-##].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00231">
  <sch:rule id="ISM-ID-00231-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
    <sch:let name="matchingTokens"
      value="for $token in tokenize(normalize-space(string(@ism:atomicEnergyMarkings)), ' ') return if(matches($token,'^RD-SG-[1-9][0-9]?$')) then $token else null"/>
    <sch:assert test="every $token in $matchingTokens satisfies (index-of($partAtomicEnergyMarkings_tok, $token) > 0 or index-of($partAtomicEnergyMarkings_tok,
concat('F', $token)) > 0)"
      flag="error"
      role="error">[ISM-ID-00231][Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [RD-SG-##] then at least
one element meeting ISM_CONTRIBUTES in the document must have a @ism:atomicEnergyMarking attribute containing the same [RD-SG-##]. Human Readable: USA documents marked RD-SG-## at the resource
level must have RD-SG-## or FRD-SG-## data, where ## is the same.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.143 - ../Rules/general/ISM\_ID\_00236.sch

### Rule Description

[ISM-ID-00236][Error] Duplicate tokens are not permitted in ISM attributes.

### Code Description

To determine the valid values, this rule first retrieves the CVE values for the attribute, which in this case is classification. Then, each attribute token is converted into a numerical value based on its characters. Next, each attribute token is given an order number, which compares its position to that of its value in the CVE file. If the token is not found, its order number will be -1. If the document is an IC resource and the ownerProducer of this element is 'USA', then the rule will fail if tokens are found with order numbers of -1. The rule will also fail if duplicate values are found for the element, or when its count is greater than 1.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00236">
  <sch:rule id="ISM-ID-00236-R1" context="*[@ism:*]"><!-- Determine if the list has duplicate values. If and only if it does, figure out which ones are duplicates -->

    <sch:let name="dupAttrs"
      value="for $attr in ./(@ism:atomicEnergyMarkings, @ism:classification, @ism:compliesWith, @ism:declassException, @ism:displayOnlyTo,
@ism:disseminationControls, @ism:exemptFrom, @ism:FGISourceOpen, @ism:FGISourceProtected, @ism:nonICmarkings, @ism:nonUSControls, @ism:noticeType, @ism:ownerProducer, @ism:pocType,
@ism:releasableTo, @ism:SARIdentifier, @ism:SCIcontrols) return if(count(distinct-values(tokenize(string($attr),' '))) != count(tokenize(string($attr),' ')) and not(local-
name($attr)='derivedFrom' or local-name($attr)='classificationReason')) then $attr else null"/>
      <sch:let name="hasDups" value="count($dupAttrs)>0"/>
      <sch:let name="dupValues"
        value="if ($hasDups) then distinct-values( for $attrib in $dupAttrs return for $each in tokenize(string($attrib),' ') return if(count(index-
of(tokenize(string($attrib),' '), $each))>1) then concat(string($each),' in attribute ', $attrib/name(),'; ') else null) else null"/>
      <sch:assert test="not($hasDups)" flag="error" role="error">[ISM-ID-00236][Error] Duplicate tokens are not permitted in ISM attributes. Duplicate values found: [
    <sch:value-of select="$dupValues"/>
  </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.144 - ../Rules/USDOD/ISM\_ID\_00237.sch

### Rule Description

[ISM-ID-00237][Error] If ISM\_USDOD\_RESOURCE, any element which specifies attribute @ism:noticeType containing one of the tokens [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F] must also specify attribute @ism:noticeDate. Human Readable: DoD distribution statements B, C, D, E, and F all require a date.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:noticeType specified with a value containing the token [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F], this rule ensures that attribute @ism:noticeDate is specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00237">
  <sch:rule id="ISM-ID-00237-R1"
    context="*[$ISM_USDOD_RESOURCE and util:containsAnyOfTheTokens(@ism:noticeType, ('DoD-Dist-B', 'DoD-Dist-C', 'DoD-Dist-D', 'DoD-Dist-E', 'DoD-Dist-F'))]">
    <sch:assert test="@ism:noticeDate" flag="error" role="error">[ISM-ID-00237][Error] If ISM_USDOD_RESOURCE, any element which specifies attribute @ism:noticeType
containing one of the tokens [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F] must also specify attribute @ism:noticeDate. Human Readable: DoD distribution statements B,
C, D, E, and F all require a date.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.145 - ../Rules/USDOD/ISM\_ID\_00238.sch

### Rule Description

[ISM-ID-00238][Error] If ISM\_USDOD\_RESOURCE, if any element specifies attribute @ism:noticeType containing one of the tokens [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F] then an element in the document must specify attribute @ism:pocType with the same value as attribute @ism:noticeType. Human Readable: DoD distribution statements B, C, D, E, and F all require a corresponding point of contact.

### Code Description

If the document is an ISM\_USDOD\_RESOURCE, for each element which has attribute @ism:noticeType specified with a value containing the token [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F], this rule ensures that some element in the document specifies attribute @ism:pocType with the same value as @ism:noticeType.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00238">
  <sch:rule id="ISM-ID-00238-R1"
    context="*[$ISM_USDOD_RESOURCE and util:containsAnyOfTheTokens(@ism:noticeType, ('DoD-Dist-B', 'DoD-Dist-C', 'DoD-Dist-D', 'DoD-Dist-E', 'DoD-Dist-F'))]">
    <sch:let name="foundNoticeTokens"
      value="for $noticeToken in tokenize(normalize-space(string(@ism:noticeType)), ' ') return if(matches($noticeToken, '^DoD-Dist-[BCDEF]')) then $noticeToken else
null"/>
    <sch:assert test="every $noticeToken in $foundNoticeTokens satisfies index-of($partPocType_tok, $noticeToken)>0"
      flag="error"
      role="error">[ISM-ID-00238][Error] If ISM_USDOD_RESOURCE, if any element specifies attribute @ism:noticeType containing one of the tokens [DoD-Dist-B], [DoD-
Dist-C], [DoD-Dist-D], [DoD-Dist-E], or [DoD-Dist-F] then an element in the document must specify attribute @ism:pocType with the same value as attribute @ism:noticeType. Human Readable: DoD
distribution statements B, C, D, E, and F all require a corresponding point of contact.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.146 - ../Rules/USDOD/ISM\_ID\_00239.sch

### Rule Description

[ISM-ID-00239][Error] If ISM\_USDOD\_RESOURCE and attribute @ism:noticeType of ISM\_RESOURCE\_ELEMENT contains the token [DoD-Dist-A], then any element which contributes to rollup should not have an attribute @ism:disseminationControls present. Human Readable: Distribution statement A (Public Release) is incompatible with @ism:disseminationControls present for contributing portions.

### Code Description

If the document is an ISM\_USDOD\_RESOURCE and the attribute @ism:noticeType of ISM\_RESOURCE\_ELEMENT contains the token [DoD-Dist-A], for each element which specifies attribute @ism:disseminationControls this rule ensures that attribute @ism:disseminationControls is not present.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00239">
  <sch:rule id="ISM-ID-00239-R1"
    context="*[$ISM_USDOD_RESOURCE and util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:noticeType, ('DoD-Dist-A')) and not(@ism:excludeFromRollup=true())]">
    <sch:assert test="not(@ism:disseminationControls)" flag="error" role="error">[ISM-ID-00239][Error] If ISM_USDOD_RESOURCE and attribute @ism:noticeType of
ISM_RESOURCE_ELEMENT contains the token [DoD-Dist-A], then any element which contributes to rollup should not have an attribute @ism:disseminationControls present. Human Readable: Distribution
statement A (Public Release) is incompatible with @ism:disseminationControls present for contributing portions.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.147 - ../Rules/USDOD/ISM\_ID\_00240.sch

### Rule Description

[ISM-ID-00240][Error] If ISM\_USDOD\_RESOURCE and attribute @ism:noticeType of ISM\_RESOURCE\_ELEMENT contains the token [DoD-Dist-A], then any element which contributes to rollup should not have an attribute @ism:atomicEnergyMarkings present. Human Readable: Distribution statement A (Public Release) is incompatible with @ism:atomicEnergyMarkings.

### Code Description

If the document is an ISM\_USDOD\_RESOURCE and the attribute @ism:noticeType of ISM\_RESOURCE\_ELEMENT contains the token [DoD-Dist-A], for each element which specifies attribute @ism:atomicEnergyMarkings this rule ensures that attribute @ism:atomicEnergyMarkings is not present.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00240">
  <sch:rule id="ISM-ID-00240-R1"
    context="*[$ISM_USDOD_RESOURCE and util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:noticeType, ('DoD-Dist-A')) and not(@ism:excludeFromRollup=true())]">
    <sch:assert test="not(@ism:atomicEnergyMarkings)" flag="error" role="error">[ISM-ID-00240][Error] If ISM_USDOD_RESOURCE and attribute @ism:noticeType of
ISM_RESOURCE_ELEMENT contains the token [DoD-Dist-A], then any element which contributes to rollup should not have an attribute @ism:atomicEnergyMarkings present. Human Readable: Distribution
statement A (Public Release) is incompatible with presence of @ism:atomicEnergyMarkings.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.148 - ../Rules/USGov/ISM\_ID\_00242.sch

### Rule Description

[ISM-ID-00242][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains the name token [RSV], then it must also have attribute @ism:classification with a value of [S] or [TS]. Human Readable: A USA document that contains RESERVE data must be classified SECRET or TOP SECRET.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing the token [RSV], this rule ensures that attribute ism:classification is specified with a value containing the token [TS] or [S].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00242">
  <sch:rule id="ISM-ID-00242-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('RSV'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S'))"
      flag="error"
      role="error">[ISM-ID-00242][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [RSV], then it must also have attribute
@ism:classification with a value of [S] or [TS]. Human Readable: A USA document that contains RESERVE data must be classified SECRET or TOP SECRET.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.149 - ../Rules/USGov/ISM\_ID\_00243.sch

### Rule Description

[ISM-ID-00243][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains the name token [RSV], then it must also contain a compartment [RSV-XXX]. Human Readable: RESERVE is not permitted as a stand-alone value and a compartment must be expressed.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing the token [RSV], this rule ensures that attribute @ism:SCIcontrols is specified with a value containing a token matching the regular expression "RSV-[A-Z0-9]{3}". If IC Markings System Register and Manual rules do not apply to the document then the rule does not apply and this rule returns true. If the current element has attribute @ism:SCIcontrols specified with a value containing [RSV], then this rule ensures that attribute @ism:SCIcontrols also contains the value [RSV-XXX].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00243">
  <sch:rule id="ISM-ID-00243-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('RSV'))]">
    <sch:assert test="util:containsAnyTokenMatching(@ism:SCIcontrols, ('RSV-[A-Z0-9]{3}'))"
      flag="error"
      role="error">[ISM-ID-00243][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [RSV], then it must also contain a
compartment [RSV-XXX]. Human Readable: RESERVE is not permitted as a stand-alone value and a compartment must be expressed.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.150 - ../Rules/USGov/ISM\_ID\_00244.sch

### Rule Description

[ISM-ID-00244][Error] If ISM\_USGOV\_RESOURCE and: 1. Any element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:atomicEnergyMarkings containing [RD-CNWDI] AND 2. No element meeting ISM\_CONTRIBUTES in the document has @ism:noticeType containing [CNWDI]. that does not have attribute @ism:externalNotice with a value of [true]. Human Readable: USA documents containing CNWDI data must also have an CNWDI notice.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element meeting ISM\_CONTRIBUTES which specifies attribute @ism:atomicEnergyMarkings with a value containing the token [RD-CNWDI], then this rule ensures that some element in the document specifies attribute @ism:noticeType with a value containing the token [CNWDI] and not an attribute @ism:externalNotice with a value of [true].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00244">
  <sch:rule id="ISM-ID-00244-R1"
    context="*[$ISM_USGOV_RESOURCE and util:contributesToRollup(.) and util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD-CNWDI'))]">
    <sch:assert test="some $elem in $partTags satisfies ($elem[@ism:noticeType] and util:containsAnyOfTheTokens($elem/@ism:noticeType, ('CNWDI')) and not ($elem/
@ism:externalNotice=true()))"
      flag="error"
      role="error">[ISM-ID-00244][Error] If ISM_USGOV_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute
@ism:atomicEnergyMarkings containing [RD-CNWDI] AND 2. No element meeting ISM_CONTRIBUTES in the document has @ism:noticeType containing [CNWDI]. that does not have attribute
@ism:externalNotice with a value of [true]. Human Readable: USA documents containing CNWDI data must also have an CNWDI notice.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.151 - ../Rules/USGov/ISM\_ID\_00245.sch

### Rule Description

[ISM-ID-00245][Error] If ISM\_USGOV\_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:atomicEnergyMarkings containing [RD-CNWDI] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [CNWDI] and not the attribute @ism:externalNotice with a value of [true]. Human Readable: USA documents containing an CNWDI notice must also have RD-CNWDI data.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which meets ISM\_CONTRIBUTES and specifies attribute @ism:noticeType with a value containing the token [CNWDI] and not the attribute @ism:externalNotice with a value of [true], then this rule ensures that some element in the document specifies attribute @ism:atomicEnergyMarkings with a value containing the token [RD-CNWDI].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00245">
  <sch:rule id="ISM-ID-00245-R1"
    context="*[$ISM_USGOV_RESOURCE and util:contributesToRollup(.) and (util:containsAnyOfTheTokens(@ism:noticeType, ('CNWDI')) and not
(@ism:externalNotice=true()))]">
    <sch:assert test="index-of($partAtomicEnergyMarkings_tok, 'RD-CNWDI')>0"
      flag="error"
      role="error">[ISM-ID-00245][Error] If ISM_USGOV_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute
@ism:atomicEnergyMarkings containing [RD-CNWDI] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [CNWDI] and not the
attribute @ism:externalNotice with a value of [true]. Human Readable: USA documents containing an CNWDI notice must also have RD-CNWDI data.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.152 - ../Rules/USGov/ISM\_ID\_00246.sch

### Rule Description

[ISM-ID-00246][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM\_RESOURCE\_ELEMENT contains [RD], [FRD], or [TFNI] then the ISM\_RESOURCE\_ELEMENT must have a @ism:declassException of [AEA] or [NATO-AEA]. Human Readable: USA documents containing [RD], [FRD], or [TFNI] data must have declassException containing [AEA] or [NATO-AEA] at the resource level.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, the current element is the ISM\_RESOURCE\_ELEMENT, and attribute @ism:atomicEnergyMarkings is specified with a value containing a token matching [RD], [FRD], or [TFNI], then this rule ensures that the ISM\_RESOURCE\_ELEMENT has a @ism:declassException of [AEA] or [NATO-AEA].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00246">
  <sch:rule id="ISM-ID-00246-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD','FRD',
'TFNI'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:declassException, ('AEA', 'NATO-AEA'))"
      flag="error"
      role="error">[ISM-ID-00246][Error] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [RD], [FRD], or [TFNI]
then the ISM_RESOURCE_ELEMENT must have a @ism:declassException of [AEA] or [NATO-AEA]. Human Readable: USA documents containing [RD], [FRD], or [TFNI] data must have declassException
containing [AEA] or [NATO-AEA] at the resource level.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.153 - ../Rules/general/ISM\_ID\_00248.sch

### Rule Description

[ISM-ID-00248][Error] ISM\_RESOURCE\_ELEMENT cannot have @ism:externalNotice set to [true]. Human Readable: ISM resource elements cannot be external notices.

### Code Description

If ISM\_RESOURCE\_ELEMENT, this rule ensures that the ISM\_RESOURCE\_ELEMENT does not contain @ism:externalNotice set to [true].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00248">
  <sch:rule id="ISM-ID-00248-R1"
    context="*[generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)][@ism:externalNotice]">
    <sch:assert test="not(string(@ism:externalNotice)=string(true()))"
      flag="error"
      role="error">[ISM-ID-00248][Error] ISM_RESOURCE_ELEMENT cannot have @ism:externalNotice set to [true]. Human Readable: ISM resource elements cannot be
external notices.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.154 - ../Rules/USGov/ISM\_ID\_00250.sch

### Rule Description

[ISM-ID-00250][Error] If ISM\_USGOV\_RESOURCE, element ism:Notice must specify attribute @ism:noticeType or @ism:unregisteredNoticeType. Human Readable: Notices must specify their type.

### Code Description

This rule ensures for element ism:Notice must specify their type.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00250">
  <sch:rule id="ISM-ID-00250-R1" context="ism:Notice[$ISM_USGOV_RESOURCE]">
    <sch:assert test="@ism:noticeType or @ism:unregisteredNoticeType"
               flag="error"
               role="error">[ISM-ID-00250][Error] If ISM_USGOV_RESOURCE, element ism:Notice must specify attribute @ism:noticeType or @ism:unregisteredNoticeType. Human
Readable: Notices must specify their type.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.155 - ../Rules/USIC/ISM\_ID\_00251.sch

### Rule Description

[ISM-ID-00251][Error] If ISM\_USIC\_RESOURCE, then attribute @ism:noticeType must not be specified with a value of [COMSEC]. Human Readable: COMSEC notices are not valid for US IC documents.

### Code Description

If ISM\_USIC\_RESOURCE, for each element which has attribute @ism:noticeType specified, this rule ensures that attribute @ism:noticeType is not specified with a value containing token [COMSEC].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00251">
  <sch:rule id="ISM-ID-00251-R1"
    context="*[$ISM_USIC_RESOURCE and @ism:noticeType]">
    <sch:assert test="not(util:containsAnyTokenMatching(@ism:noticeType, 'COMSEC'))"
      flag="error"
      role="error">[ISM-ID-00251][Error] If ISM_USIC_RESOURCE, then attribute @ism:noticeType must not be specified with a value of [COMSEC]. Human Readable:
COMSEC notices are not valid for US IC documents.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.156 - ../Rules/USGov/ISM\_ID\_00252.sch

### Rule Description

[ISM-ID-00252][Error] If ISM\_RESOURCE\_ELEMENT specifies the attribute @ism:disseminationControls with a value containing the token [RELIDO], then attribute @ism:nonICmarkings must not be specified with a value containing the token [NNPI]. Human Readable: NNPI tokens are not valid for documents that have RELIDO at the resource level.

### Code Description

For resource elements which have attribute @ism:disseminationControls specified with a value containing the token [RELIDO], this rule ensures that attribute @ism:nonICmarkings is not specified with a value containing the token [NNPI].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00252">
  <sch:rule id="ISM-ID-00252-R1"
    context="*[index-of(tokenize(normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:disseminationControls)), ' '), 'RELIDO') > 0 and @ism:nonICmarkings]">
    <sch:assert test="not(util:containsAnyTokenMatching(@ism:nonICmarkings, 'NNPI'))"
      flag="error"
      role="error">[ISM-ID-00252][Error] If ISM_RESOURCE_ELEMENT specifies the attribute @ism:disseminationControls with a value containing the token [RELIDO],
then attribute @ism:nonICmarkings must not be specified with a value containing the token [NNPI]. Human Readable: NNPI tokens are not valid for documents that have RELIDO at the resource
level.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.157 - ../Rules/USGov/ISM\_ID\_00253.sch

### Rule Description

[ISM-ID-00253][Error] All @ism:atomicEnergyMarkings values must be defined in CVEnumISMAtomicEnergyMarkings.xml.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00253" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context" value="*[@ism:atomicEnergyMarkings]"/>
  <sch:param name="searchTermList" value="@ism:atomicEnergyMarkings"/>
  <sch:param name="list" value="$atomicEnergyMarkingsList"/>
  <sch:param name="errMsg"
    value="'[ISM-ID-00253][Error] All @ism:atomicEnergyMarkings values must be defined in CVEnumISMAtomicEnergyMarkings.xml.'"/>
</sch:pattern>
```

## 11.158 - ../Rules/USGov/ISM\_ID\_00254.sch

### Rule Description

[ISM-ID-00254][Error] All @ism:classification values must be a defined in CVEnumISMClassificationAll.xml.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00254" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context" value="*[@ism:classification]"/>
  <sch:param name="searchTermList" value="@ism:classification"/>
  <sch:param name="list" value="$classificationAllList"/>
  <sch:param name="errMsg"
    value="' [ISM-ID-00254][Error] All @ism:classification values must be a defined in CVEnumISMClassificationAll.xml. '"/>
</sch:pattern>
```

## 11.159 - ../Rules/USGov/ISM\_ID\_00255.sch

### Rule Description

[ISM-ID-00255][Error] All @ism:exemptFrom values must be defined in CVEnumISMExemptFrom.xml.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00255" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context" value="*[@ism:exemptFrom]"/>
  <sch:param name="searchTermList" value="@ism:exemptFrom"/>
  <sch:param name="list" value="$exemptFromList"/>
  <sch:param name="errMsg"
    value="'[ISM-ID-00255][Error] All @ism:exemptFrom values must be defined in CVEnumISMExemptFrom.xml.'"/>
</sch:pattern>
```

## 11.160 - ../Rules/USGov/ISM\_ID\_00256.sch

### Rule Description

[ISM-ID-00256][Error] All @ism:declassException values must be defined in CVEnumISM25X.xml.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00256" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context" value="*[@ism:declassException]"/>
  <sch:param name="searchTermList" value="@ism:declassException"/>
  <sch:param name="list" value="$declassExceptionList"/>
  <sch:param name="errMsg"
    value="' [ISM-ID-00256][Error] All @ism:declassException values must be defined in CVEnumISM25X.xml. '"/>
</sch:pattern>
```

## 11.161 - ../Rules/USGov/ISM\_ID\_00257.sch

### Rule Description

[ISM-ID-00257][Error] All @ism:displayOnlyTo values must be defined in CVEnumISMRelTo.xml.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00257" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context" value="*[@ism:displayOnlyTo]"/>
  <sch:param name="searchTermList" value="@ism:displayOnlyTo"/>
  <sch:param name="list" value="$displayOnlyToList"/>
  <sch:param name="errMsg"
    value="' [ISM-ID-00257][Error] All @ism:displayOnlyTo values must be defined in CVEnumISMRelTo.xml. '"/>
</sch:pattern>
```

## 11.162 - ../Rules/USGov/ISM\_ID\_00258.sch

### Rule Description

[ISM-ID-00258][Error] All @ism:disseminationControls values must be a defined in CVEnumISMDissem.xml.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00258" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context" value="*[@ism:disseminationControls]"/>
  <sch:param name="searchTermList" value="@ism:disseminationControls"/>
  <sch:param name="list" value="$disseminationControlsList"/>
  <sch:param name="errMsg"
    value="' [ISM-ID-00258][Error] All @ism:disseminationControls values must be a defined in CVEnumISMDissem.xml. '"/>
</sch:pattern>
```

## 11.163 - ../Rules/USGov/ISM\_ID\_00259.sch

### Rule Description

[ISM-ID-00259][Error] All @ism:FGISourceOpen values must be defined in CVEnumISMCAATFGIOpen.xml.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00259" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context" value="*[@ism:FGISourceOpen]"/>
  <sch:param name="searchTermList" value="@ism:FGISourceOpen"/>
  <sch:param name="list" value="$FGISourceOpenList"/>
  <sch:param name="errMsg"
    value="' [ISM-ID-00259][Error] All @ism:FGISourceOpen values must be defined in CVEnumISMCAATFGIOpen.xml. '"/>
</sch:pattern>
```

## 11.164 - ../Rules/USGov/ISM\_ID\_00260.sch

### Rule Description

[ISM-ID-00260][Error] All @ism:FGISourceProtected values must be defined in CVEnumISMCAFGIProtected.xml.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00260" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context" value="*[@ism:FGISourceProtected]"/>
  <sch:param name="searchTermList" value="@ism:FGISourceProtected"/>
  <sch:param name="list" value="$FGISourceProtectedList"/>
  <sch:param name="errMsg"
    value="' [ISM-ID-00260][Error] All @ism:FGISourceProtected values must be defined in CVEnumISMCAFGIProtected.xml. '"/>
</sch:pattern>
```

## 11.165 - ../Rules/USGov/ISM\_ID\_00261.sch

### Rule Description

[ISM-ID-00261][Error] All @ism:nonICmarkings values that contributes to rollup must be defined in CVEnumISMNonIC.xml. All non-ACCM @ism:nonICmarkings values that do not contribute to rollup must be defined in CVEnumISMNonIC.xml.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file. The \$contributesToRollup is a boolean that indicates whether the attribute values in the context contribute to rollup.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00261"
             is-a="ValidateTokenValuesExistenceInListWhenContributesToRollupACCM">
  <sch:param name="context" value="*[@ism:nonICmarkings]"/>
  <sch:param name="searchTermList" value="@ism:nonICmarkings"/>
  <sch:param name="list" value="$nonICmarkingsList"/>
  <sch:param name="contributesToRollup" value="util:contributesToRollup(.)"/>
  <sch:param name="nonACCMListTok"
             value="tokenize(normalize-space(string(util:getStringFromSequenceWithoutRegexValues($nonICmarkingsList, $ACCMRegex))), ' ')/>
  <sch:param name="nonACCMSearchTermList"
             value="util:getStringFromSequenceWithoutRegexValues(tokenize(normalize-space(string(@ism:nonICmarkings)), ' '), $ACCMRegex)/>
  <sch:param name="includedInRollUpErrorMessage"
             value="'[ISM-ID-00261][Error] All @ism:nonICmarkings values that contribute to rollup must be defined in CVEnumISMNonIC.xml.'"/>
  <sch:param name="excludedFromRollUpNonACCMErrorMessage"
             value="'[ISM-ID-00261][Error] All non-ACCM @ism:nonICmarkings values that do not contribute to rollup must be defined in CVEnumISMNonIC.xml.'"/>
</sch:pattern>
```

## 11.166 - ../Rules/USGov/ISM\_ID\_00262.sch

### Rule Description

[ISM-ID-00262][Error] Any @ism:nonUSControls values must be defined in CVEnumISMNonUSControls.xml.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00262" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context" value="*[@ism:nonUSControls]"/>
  <sch:param name="searchTermList" value="@ism:nonUSControls"/>
  <sch:param name="list" value="$nonUSControlsList"/>
  <sch:param name="errMsg"
    value="' [ISM-ID-00262][Error] Any @ism:nonUSControls values must be defined in CVEnumISMNonUSControls.xml. '"/>
</sch:pattern>
```

## 11.167 - ../Rules/USGov/ISM\_ID\_00263.sch

### Rule Description

[ISM-ID-00263][Error] Any @ism:ownerProducer values must be defined in CVEnumISMCAOwnerProducer.xml.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00263" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context" value="*[@ism:ownerProducer]"/>
  <sch:param name="searchTermList" value="@ism:ownerProducer"/>
  <sch:param name="list" value="$ownerProducerList"/>
  <sch:param name="errMsg"
    value="' [ISM-ID-00263][Error] Any @ism:ownerProducer values must be defined in CVEnumISMCAOwnerProducer.xml. '"/>
</sch:pattern>
```

## 11.168 - ../Rules/USGov/ISM\_ID\_00264.sch

### Rule Description

[ISM-ID-00264][Error] Any @ism:pocType values must be defined in CVEnumISMPocType.xml.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00264" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context" value="*[@ism:pocType]"/>
  <sch:param name="searchTermList" value="@ism:pocType"/>
  <sch:param name="list" value="$pocTypeList"/>
  <sch:param name="errMsg"
    value="' [ISM-ID-00264][Error] Any @ism:pocType values must be defined in CVEnumISMPocType.xml. '"/>
</sch:pattern>
```

## 11.169 - ../Rules/USGov/ISM\_ID\_00265.sch

### Rule Description

[ISM-ID-00265][Error] Any @ism:releasableTo must be a value in CVEnumISMRelTo.xml.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00265" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context" value="*[@ism:releasableTo]"/>
  <sch:param name="searchTermList" value="@ism:releasableTo"/>
  <sch:param name="list" value="$releasableToList"/>
  <sch:param name="errMsg"
    value="' [ISM-ID-00265][Error] Any @ism:releasableTo must be a value in CVEnumISMRelTo.xml. '"/>
</sch:pattern>
```

## 11.170 - ../Rules/USGov/ISM\_ID\_00266.sch

### Rule Description

[ISM-ID-00266][Error] Any @ism:SARIdentifier values that contributes to rollup must be defined in CVEnumISMSAR.xml.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file. The \$contributesToRollup is a boolean that indicates whether the attribute values in the context contribute to rollup.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00266"
             is-a="ValidateTokenValuesExistenceInListWhenContributesToRollup">
  <sch:param name="context" value="*[@ism:SARIdentifier]"/>
  <sch:param name="searchTermList" value="@ism:SARIdentifier"/>
  <sch:param name="list" value="$SARIdentifierList"/>
  <sch:param name="contributesToRollup" value="util:contributesToRollup(.)"/>
  <sch:param name="errMsg"
             value="'[ISM-ID-00266][Error] All @ism:SARIdentifier values must be defined in CVEnumISMSAR.xml.'"/>
</sch:pattern>
```

## 11.171 - ../Rules/USGov/ISM\_ID\_00267.sch

### Rule Description

[ISM-ID-00267][Error] All @ism:SCIcontrols values that contributes to rollup must be defined in CVEnumISMSCIControls.xml

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file. The \$contributesToRollup is a boolean that indicates whether the attribute values in the context contribute to rollup.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00267"
             is-a="ValidateTokenValuesExistenceInListWhenContributesToRollup">
  <sch:param name="context" value="*[@ism:SCIcontrols]"/>
  <sch:param name="searchTermList" value="@ism:SCIcontrols"/>
  <sch:param name="list" value="$SCIcontrolsList"/>
  <sch:param name="contributesToRollup" value="util:contributesToRollup(.)"/>
  <sch:param name="errMsg"
             value="'[ISM-ID-00267][Error] All @ism:SCIcontrols values must be defined in CVEnumISMSCIControls.xml.'"/>
</sch:pattern>
```

## 11.172 - ../Rules/USGov/ISM\_ID\_00268.sch

### Rule Description

[ISM-ID-00268][Error] All @ism:atomicEnergyMarkings attributes must be of type NmTokens.

### Code Description

For all elements which contain an atomicEnergyMarkings attribute, this rule ensures that the @ism:atomicEnergyMarkings value matches the pattern defined for type NmTokens.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00268">
  <sch:rule id="ISM-ID-00268-R1" context="*[@ism:atomicEnergyMarkings]">
    <sch:assert test="util:meetsType(@ism:atomicEnergyMarkings, $NmTokensPattern)"
      flag="error"
      role="error">[ISM-ID-00268][Error] All @ism:atomicEnergyMarkings attributes must be of type NmTokens.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.173 - ../Rules/USGov/ISM\_ID\_00269.sch

### Rule Description

[ISM-ID-00269][Error] All @ism:classification attributes must be of type NmToken.

### Code Description

For all elements which contain an @ism:classification attribute, this rule ensures that the classification value matches the pattern defined for type NmTokens.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00269">
  <sch:rule id="ISM-ID-00269-R1" context="*[@ism:classification]">
    <sch:assert test="util:meetsType(@ism:classification, $NmTokenPattern)"
      flag="error"
      role="error">[ISM-ID-00269][Error] All @ism:classification attributes must be of type NmToken.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.174 - ../Rules/USGov/ISM\_ID\_00270.sch

### Rule Description

[ISM-ID-00270][Error] All @ism:classificationReason attributes must be a string with 4096 characters or less.

### Code Description

For all elements which contain an @ism:classificationReason attribute, this rule ensures that the classificationReason value is a string with 4096 characters or less.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00270">
  <sch:rule id="ISM-ID-00270-R1" context="*[@ism:classificationReason]">
    <sch:assert test="string-length(@ism:classificationReason) &lt;= 4096"
      flag="error"
      role="error">[ISM-ID-00270][Error] All @ism:classificationReason attributes must be a string with 4096 characters or less.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.175 - ../Rules/USGov/ISM\_ID\_00271.sch

### Rule Description

[ISM-ID-00271][Error] All @ism:classifiedBy attributes must be a string with less than 1024 characters.

### Code Description

For all elements which contain an @ism:classifiedBy attribute, this rule ensures that the classifiedBy value is a string with less than 1024 characters.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00271">
  <sch:rule id="ISM-ID-00271-R1" context="*[@ism:classifiedBy]">
    <sch:assert test="string-length(@ism:classifiedBy) &lt;= 1024"
      flag="error"
      role="error">[ISM-ID-00271][Error] All @ism:classifiedBy attributes must be a string with less than 1024 characters.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.176 - ../Rules/USGov/ISM\_ID\_00272.sch

### Rule Description

[ISM-ID-00272][Error] All @ism:compilationReason attributes must be a string with less than 1024 characters.

### Code Description

For all elements which contain an @ism:compilationReason attribute, this rule ensures that the compilationReason value is a string with less than 1024 characters.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00272">
  <sch:rule id="ISM-ID-00272-R1" context="*[@ism:compilationReason]">
    <sch:assert test="string-length(@ism:compilationReason) &lt;= 1024"
      flag="error"
      role="error">[ISM-ID-00272][Error] All @ism:compilationReason attributes must be a string with less than 1024 characters.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.177 - ../Rules/USGov/ISM\_ID\_00273.sch

### Rule Description

[ISM-ID-00273][Error] All @ism:exemptFrom attributes must be of type NmTokens.

### Code Description

For all elements which contain an @ism:exemptFrom attribute, this rule ensures that the exemptFrom value matches the pattern defined for type NmTokens.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00273">
  <sch:rule id="ISM-ID-00273-R1" context="*[@ism:exemptFrom]">
    <sch:assert test="util:meetsType(@ism:exemptFrom, $NmTokensPattern)"
      flag="error"
      role="error">[ISM-ID-00273][Error] All @ism:exemptFrom attributes must be of type NmTokens.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.178 - ../Rules/USGov/ISM\_ID\_00274.sch

### Rule Description

[ISM-ID-00274][Error] All @ism:createDate attributes must be a Date without a timezone.

### Code Description

For all elements which contain a @ism:createDate attribute, this rule ensures that the createDate value matches the pattern defined for type Date without timezone information. The value must conform to the Regex '[0-9]{4}-[0-9]{2}-[0-9]{2}\$'

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00274">
  <sch:rule id="ISM-ID-00274-R1" context="*[@ism:createDate]">
    <sch:assert test="util:meetsType(string(@ism:createDate), $DatePattern)"
      flag="error"
      role="error">[ISM-ID-00274][Error] All @ism:createDate attribute values must be of type Date.</sch:assert>
    <sch:assert test="matches(@ism:createDate, '[0-9]{4}-[0-9]{2}-[0-9]{2}$')"
      flag="error"
      role="error">[ISM-ID-00274][Error] All @ism:createDate attribute values must not have any timezone information specified.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.179 - ../Rules/USGov/ISM\_ID\_00275.sch

### Rule Description

[ISM-ID-00275][Error] All @ism:declassDate attributes must be of type Date.

### Code Description

For all elements which contain an @ism:declassDate attribute, this rule ensures that the declassDate value matches the pattern defined for type Date.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00275">
  <sch:rule id="ISM-ID-00275-R1" context="*[@ism:declassDate]">
    <sch:assert test="util:meetsType(string(@ism:declassDate), $DatePattern)"
      flag="error"
      role="error">[ISM-ID-00275][Error] All @ism:declassDate attributes must be of type Date.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.180 - ../Rules/USGov/ISM\_ID\_00276.sch

### Rule Description

[ISM-ID-00276][Error] All @ism:declassEvent attributes must be a string with less than 1024 characters.

### Code Description

For all elements which contain an @ism:declassEvent attribute, this rule ensures that the declassEvent value is a string with less than 1024 characters.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00276">
  <sch:rule id="ISM-ID-00276-R1" context="*[@ism:declassEvent]">
    <sch:assert test="string-length(@ism:declassEvent) &lt;= 1024"
      flag="error"
      role="error">[ISM-ID-00276][Error] All @ism:declassEvent attributes must be a string with less than 1024 characters.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.181 - ../Rules/USGov/ISM\_ID\_00277.sch

### Rule Description

[ISM-ID-00277][Error] All @ism:declassException attributes must be of type NmTokens.

### Code Description

For all elements which contain an @ism:declassException attribute, this rule ensures that the declassException value matches the pattern defined for type NmTokens.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00277">
  <sch:rule id="ISM-ID-00277-R1" context="*[@ism:declassException]">
    <sch:assert test="util:meetsType(@ism:declassException, $NmTokensPattern)"
      flag="error"
      role="error">[ISM-ID-00277][Error] All @ism:declassException attributes must be of type NmTokens.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.182 - ../Rules/USGov/ISM\_ID\_00278.sch

### Rule Description

[ISM-ID-00278][Error] All @ism:derivativelyClassifiedBy attributes must be a string with less than 1024 characters.

### Code Description

For all elements which contain an @ism:derivativelyClassifiedBy attribute, this rule ensures that the derivativelyClassifiedBy value is a string with less than 1024 characters.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00278">
  <sch:rule id="ISM-ID-00278-R1" context="*[@ism:derivativelyClassifiedBy]">
    <sch:assert test="string-length(@ism:derivativelyClassifiedBy) &lt;= 1024"
      flag="error"
      role="error">[ISM-ID-00278][Error] All @ism:derivativelyClassifiedBy attributes must be a string with less than 1024 characters.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.183 - ../Rules/USGov/ISM\_ID\_00279.sch

### Rule Description

[ISM-ID-00279][Error] All @ism:derivedFrom attributes must be a string with less than 1024 characters.

### Code Description

For all elements which contain an @ism:derivedFrom attribute, this rule ensures that the derivedFrom value is a string with less than 1024 characters.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00279">
  <sch:rule id="ISM-ID-00279-R1" context="*[@ism:derivedFrom]">
    <sch:assert test="string-length(@ism:derivedFrom) &lt;= 1024"
      flag="error"
      role="error">[ISM-ID-00279][Error] All @ism:derivedFrom attributes must be a string with less than 1024 characters.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.184 - ../Rules/USGov/ISM\_ID\_00280.sch

### Rule Description

[ISM-ID-00280][Error] All @ism:displayOnlyTo attributes must be of type NmTokens.

### Code Description

For all elements which contain an @ism:displayOnlyTo attribute, this rule ensures that the displayOnlyTo value matches the pattern defined for type NmTokens.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<sch:pattern id="ISM-ID-00280">
  <sch:rule id="ISM-ID-00280-R1" context="*[@ism:displayOnlyTo]">
    <sch:assert test="util:meetsType(@ism:displayOnlyTo, $NmTokensPattern)"
      flag="error"
      role="error">[ISM-ID-00280][Error] All @ism:displayOnlyTo attributes values must be of type NmTokens.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.185 - ../Rules/USGov/ISM\_ID\_00281.sch

### Rule Description

[ISM-ID-00281][Error] All @ism:disseminationControls attributes must be of type NmTokens.

### Code Description

For all elements which contain a @ism:disseminationControls attribute, the disseminationControls value must match the pattern defined for type NmTokens.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<sch:pattern id="ISM-ID-00281">
  <sch:rule id="ISM-ID-00281-R1" context="*[@ism:disseminationControls]">
    <sch:assert test="util:meetsType(@ism:disseminationControls, $NmTokensPattern)"
      flag="error"
      role="error">[ISM-ID-00281][Error] All @ism:disseminationControls attributes must be of type NmTokens.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.186 - ../Rules/USGov/ISM\_ID\_00282.sch

### Rule Description

[ISM-ID-00282][Error] All @ism:excludeFromRollup attributes must be of type Boolean.

### Code Description

For all elements which contain an @ism:excludeFromRollup attribute, this rule ensures that the excludeFromRollup value matches the pattern defined for type Boolean.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION TYPECHECK?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00282">
  <sch:rule id="ISM-ID-00282-R1" context="*[@ism:excludeFromRollup]">
    <sch:assert test="util:meetsType(@ism:excludeFromRollup, $BooleanPattern)"
      flag="error"
      role="error">[ISM-ID-00282][Error] All @ism:excludeFromRollup attributes must be of type Boolean.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.187 - ../Rules/USGov/ISM\_ID\_00283.sch

### Rule Description

[ISM-ID-00283][Error] All @ism:FGIsourceOpen attributes must be of type NmTokens.

### Code Description

For all elements which contain an @ism:FGIsourceOpen attribute, this rule ensures that the FGIsourceOpen value matches the pattern defined for type NmTokens.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00283">
  <sch:rule id="ISM-ID-00283-R1" context="*[@ism:FGIsourceOpen]">
    <sch:assert test="util:meetsType(@ism:FGIsourceOpen, $NmTokensPattern)"
      flag="error"
      role="error">[ISM-ID-00283][Error] All @ism:FGIsourceOpen attributes must be of type NmTokens.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.188 - ../Rules/USGov/ISM\_ID\_00284.sch

### Rule Description

[ISM-ID-00284][Error] All @ism:FGIsourceProtected attributes must be of type NmTokens.

### Code Description

For all elements which contain an @ism:FGIsourceProtected attribute, this rule ensures that the FGIsourceProtected value matches the pattern defined for type NmTokens.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00284">
  <sch:rule id="ISM-ID-00284-R1" context="*[@ism:FGIsourceProtected]">
    <sch:assert test="util:meetsType(@ism:FGIsourceProtected, $NmTokensPattern)"
      flag="error"
      role="error">[ISM-ID-00284][Error] All @ism:FGIsourceProtected attributes must be of type NmTokens.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.189 - ../Rules/USGov/ISM\_ID\_00285.sch

### Rule Description

[ISM-ID-00285][Error] All @ism:nonICmarkings attributes must be of type NmTokens.

### Code Description

For all elements which contain an @ism:nonICmarkings attribute, this rule ensures that the nonICmarkings value matches the pattern defined for type NmTokens.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00285">
  <sch:rule id="ISM-ID-00285-R1" context="*[@ism:nonICmarkings]">
    <sch:assert test="util:meetsType(@ism:nonICmarkings, $NmTokensPattern)"
      flag="error"
      role="error">[ISM-ID-00285][Error] All @ism:nonICmarkings attributes must be of type NmTokens.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.190 - ../Rules/USGov/ISM\_ID\_00286.sch

### Rule Description

[ISM-ID-00286][Error] All @ism:nonUSControls attributes must be of type NmTokens.

### Code Description

For all elements which contain an @ism:nonUSControls attribute, this rule ensures that the nonUSControls value matches the pattern defined for type NmTokens.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00286">
  <sch:rule id="ISM-ID-00286-R1" context="*[@ism:nonUSControls]">
    <sch:assert test="util:meetsType(@ism:nonUSControls, $NmTokensPattern)"
      flag="error"
      role="error">[ISM-ID-00286][Error] All @ism:nonUSControls attributes must be of type NmTokens.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.191 - ../Rules/USGov/ISM\_ID\_00287.sch

### Rule Description

[ISM-ID-00287][Error] All @ism:noticeDate attributes must be of type Date.

### Code Description

For all elements which contain an @ism:noticeDate attribute, this rule ensures that the noticeDate value matches the pattern defined for type Date.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00287">
  <sch:rule id="ISM-ID-00287-R1" context="*[@ism:noticeDate]">
    <sch:assert test="util:meetsType(string(@ism:noticeDate), $DatePattern)"
      flag="error"
      role="error">[ISM-ID-00287][Error] All @ism:noticeDate attributes must be of type Date.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.192 - ../Rules/USGov/ISM\_ID\_00288.sch

### Rule Description

[ISM-ID-00288][Error] All @ism:noticeReason attributes must be a string with less than 2048 characters.

### Code Description

For all elements which contain an @ism:noticeReason attribute, this rule ensures that the noticeReason value is a string with less than 2048 characters.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00288">
  <sch:rule id="ISM-ID-00288-R1" context="*[@ism:noticeReason]">
    <sch:assert test="string-length(@ism:noticeReason) &lt;= 2048"
      flag="error"
      role="error">[ISM-ID-00288][Error] All @ism:noticeReason attributes must be a string with less than 2048 characters.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.193 - ../Rules/USGov/ISM\_ID\_00289.sch

### Rule Description

[ISM-ID-00289][Error] All @ism:noticeType attributes must be of type NmTokens.

### Code Description

For all elements which contain an @ism:noticeType attribute, this rule ensures that the noticeType value matches the pattern defined for type NmTokens.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00289">
  <sch:rule id="ISM-ID-00289-R1" context="*[@ism:noticeType]">
    <sch:assert test="util:meetsType(@ism:noticeType, $NmTokensPattern)"
      flag="error"
      role="error">[ISM-ID-00289][Error] All @ism:noticeType attributes values must be of type NmTokens.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.194 - ../Rules/USGov/ISM\_ID\_00290.sch

### Rule Description

[ISM-ID-00290][Error] All @ism:externalNotice attributes must be of type Boolean.

### Code Description

For all elements which contain an @ism:externalNotice attribute, this rule ensures that the externalNotice value matches the pattern defined for type Boolean.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00290">
  <sch:rule id="ISM-ID-00290-R1" context="*[@ism:externalNotice]">
    <sch:assert test="util:meetsType(@ism:externalNotice, $BooleanPattern)"
      flag="error"
      role="error">[ISM-ID-00290][Error] All @ism:externalNotice attributes must be of type Boolean.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.195 - ../Rules/USGov/ISM\_ID\_00291.sch

### Rule Description

[ISM-ID-00291][Error] All @ism:ownerProducer attributes must be of type NmTokens.

### Code Description

For all elements which contain an @ism:ownerProducer attribute, this rule ensures that the ownerProducer value matches the pattern defined for type NmTokens.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00291">
  <sch:rule id="ISM-ID-00291-R1" context="*[@ism:ownerProducer]">
    <sch:assert test="util:meetsType(@ism:ownerProducer, $NmTokensPattern)"
      flag="error"
      role="error">[ISM-ID-00291][Error] All @ism:ownerProducer attributes must be of type NmTokens.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.196 - ../Rules/USGov/ISM\_ID\_00292.sch

### Rule Description

[ISM-ID-00292][Error] All @ism:pocType attributes must be of type NmTokens.

### Code Description

For all elements which contain an @ism:pocType attribute, this rule ensures that the pocType value matches the pattern defined for type NmTokens.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00292">
  <sch:rule id="ISM-ID-00292-R1" context="*[@ism:pocType]">
    <sch:assert test="util:meetsType(@ism:pocType, $NmTokensPattern)"
      flag="error"
      role="error">[ISM-ID-00292][Error] All @ism:pocType attributes must be of type NmTokens.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.197 - ../Rules/USGov/ISM\_ID\_00293.sch

### Rule Description

[ISM-ID-00293][Error] All @ism:releasableTo attributes must be of type NmTokens.

### Code Description

For all elements which contain an @ism:releasableTo attribute, this rule ensures that the releasableTo value matches the pattern defined for type NmTokens.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00293">
  <sch:rule id="ISM-ID-00293-R1" context="*[@ism:releasableTo]">
    <sch:assert test="util:meetsType(@ism:releasableTo, $NmTokensPattern)"
      flag="error"
      role="error">[ISM-ID-00293][Error] All @ism:releasableTo attributes must be of type NmTokens.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.198 - ../Rules/USGov/ISM\_ID\_00294.sch

### Rule Description

[ISM-ID-00294][Error] All @ism:resourceElement attributes must be of type Boolean.

### Code Description

For all elements which contain an @ism:resourceElement attribute, this rule ensures that the resourceElement value matches the pattern defined for type Boolean. Note: this rule is not able to be failed. If the resourceElement does not confirm to type Boolean, schematron fails when defining global variables before any rules are fired.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00294">
  <sch:rule id="ISM-ID-00294-R1" context="*[@ism:resourceElement]">
    <sch:assert test="util:meetsType(@ism:resourceElement, $BooleanPattern)"
      flag="error"
      role="error">[ISM-ID-00294][Error] All @ism:resourceElement attributes must be of type Boolean.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.199 - ../Rules/USGov/ISM\_ID\_00295.sch

### Rule Description

[ISM-ID-00295][Error] All @ism:SARIdentifier attributes must be of type NmTokens.

### Code Description

For all elements which contain an @ism:SARIdentifier attribute, this rule ensures that the SARIdentifier value matches the pattern defined for type NmTokens.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00295">
  <sch:rule id="ISM-ID-00295-R1" context="*[@ism:SARIdentifier]">
    <sch:assert test="util:meetsType(@ism:SARIdentifier, $NmTokensPattern)"
      flag="error"
      role="error">[ISM-ID-00295][Error] All @ism:SARIdentifier attributes must be of type NmTokens.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.200 - ../Rules/USGov/ISM\_ID\_00296.sch

### Rule Description

[ISM-ID-00296][Error] All @ism:SCIcontrols attributes must be of type NmTokens.

### Code Description

For all elements which contain an @ism:SCIcontrols attribute, this rule ensures that the SCIcontrols value matches the pattern defined for type NmTokens.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00296">
  <sch:rule id="ISM-ID-00296-R1" context="*[@ism:SCIcontrols]">
    <sch:assert test="util:meetsType(@ism:SCIcontrols, $NmTokensPattern)"
      flag="error"
      role="error">[ISM-ID-00296][Error] All @ism:SCIcontrols attributes must be of type NmTokens.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.201 - ../Rules/USGov/ISM\_ID\_00297.sch

### Rule Description

[ISM-ID-00297][Error] All @ism:unregisteredNoticeType attributes must be a string with less than 2048 characters.

### Code Description

For all elements which contain an @ism:unregisteredNoticeType attribute, this rule ensures that the unregisteredNoticeType value is a string with less than 2048 characters.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00297">
  <sch:rule id="ISM-ID-00297-R1" context="*[@ism:unregisteredNoticeType]">
    <sch:assert test="string-length(@ism:unregisteredNoticeType) &lt;= 2048"
      flag="error"
      role="error">[ISM-ID-00297][Error] All @ism:unregisteredNoticeType attributes must be a string with less than 2048 characters.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.202 - ../Rules/USGov/ISM\_ID\_00298.sch

### Rule Description

[ISM-ID-00298][Error] If ISM\_USGOV\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document specifies attribute @ism:atomicEnergyMarkings with a value containing [TFNI] and no elements meeting ISM\_CONTRIBUTES having the attribute @ism:atomicEnergyMarkings containing [RD] or [FRD], then the ISM\_RESOURCE\_ELEMENT must specify attribute @ism:atomicEnergyMarkings with a value containing [TFNI]. Human Readable: USA documents having Transclassified Foreign Nuclear Information (TFNI) and not having Restricted Data (RD) or Formerly Restricted Data (FRD) must have TFNI at the resource level.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then this rule ensures that the ISM\_RESOURCE\_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00298" is-a="AttributeContributesToRollupWithException">
  <sch:param name="attrLocalName" value="atomicEnergyMarkings"/>
  <sch:param name="exceptAttrLocalName" value="atomicEnergyMarkings"/>
  <sch:param name="value" value="TFNI"/>
  <sch:param name="exceptValueList" value="('RD', 'FRD')"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00298][Error] USA documents having Transclassified Foreign Nuclear Information (TFNI) and not having Restricted Data (RD) or Formerly Restricted
Data (FRD) must have TFNI at the resource level.'"/>
</sch:pattern>
```

## 11.203 - ../Rules/USGov/ISM\_ID\_00299.sch

### Rule Description

[ISM-ID-00299][Error] If an element contains the attribute @ism:declassException with a value of [AEA], it must also contain the attribute @ism:atomicEnergyMarkings.

### Code Description

If an element contains an @ism:declassException attribute with a value containing [AEA], this rule checks to make sure that element also has an @ism:atomicEnergyMarkings attribute.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00299">
  <sch:rule id="ISM-ID-00299-R1"
    context="*[util:containsAnyTokenMatching(@ism:declassException, ('AEA'))]">
    <sch:assert test="@ism:atomicEnergyMarkings" flag="error" role="error">[ISM-ID-00299][Error] If an element contains the attribute @ism:declassException with a value of
[AEA], it must also contain the attribute @ism:atomicEnergyMarkings.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.204 - ../Rules/general/ISM\_ID\_00300.sch

### Rule Description

[ISM-ID-00300][Warning] @ism:DESVersion attributes SHOULD be specified as revision 202111.202211 (Revision:2021-NOVr2022-NOV) with an optional extension.

### Code Description

This rule supports extending the version identifier with an optional trailing hyphen and up to 23 additional characters. The version must match the regular expression “^202111.202211(-.{1,23})?\$”.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00300">
  <sch:rule id="ISM-ID-00300-R1" context="*[@ism:DESVersion]">
    <sch:assert test="matches(@ism:DESVersion, '^202111.202211(-.{1,23})?$')"
      flag="warning"
      role="warning">[ISM-ID-00300][Warning] @ism:DESVersion attributes SHOULD be specified as revision 202111.202211 (Revision:2021-NOVr2022-NOV) with an
optional extension. The value provided was:
    <sch:value-of select="./@ism:DESVersion"/>
  </sch:assert>
</sch:rule>
</sch:pattern>
```

## 11.205 - ../Rules/USGov/ISM\_ID\_00302.sch

### Rule Description

[ISM-ID-00302][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:disseminationControls contains the name token [OC-USGOV], then name token [OC] must be specified. Human Readable: A USA document with OC-USGOV dissemination must also contain an OC dissemination.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:disseminationControls specified with a value containing the token [OC-USGOV], this rule ensures that token [OC] is also specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00302">
  <sch:rule id="ISM-ID-00302-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC-USGOV'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC'))"
      flag="error"
      role="error">[ISM-ID-00302][Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [OC-USGOV], then name token [OC]
must be specified. Human Readable: A USA document with OC-USGOV dissemination must also contain an OC dissemination.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.206 - ../Rules/USGov/ISM\_ID\_00303.sch

### Rule Description

[ISM-ID-00303][Error] If ISM\_USGOV\_RESOURCE and the document contains attribute @ism:disseminationControls with name token [OC-USGOV] in the banner, then all [OC] portions must also contain [OC-USGOV]. Human Readable: A USA document with OC-USGOV dissemination in the banner must also contain OC-USGOV in any OC portions.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE and the resource element contains attribute @ism:disseminationControls with name token [OC-USGOV], then this rule ensures that every portion contain name token [OC] also contains name token [OC-USGOV].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00303">
  <sch:rule id="ISM-ID-00303-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC-USGOV'))]">
    <sch:let name="portionsWithOC"
      value="for $portion in $partTags return if($portion[util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC'))]) then $portion else null"/>
    <sch:assert test="every $portionWithOC in $portionsWithOC satisfies $portionWithOC[util:containsAnyOfTheTokens(@ism:disseminationControls, 'OC-USGOV')]"
      flag="error"
      role="error">[ISM-ID-00303][Error] If ISM_USGOV_RESOURCE and the document contains attribute @ism:disseminationControls with name token [OC-USGOV] in the
banner, then all [OC] portions must also contain [OC-USGOV]. Human Readable: A USA document with OC-USGOV dissemination in the banner must also contain OC-USGOV in any OC portions.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.207 - ../Rules/USGov/ISM\_ID\_00313.sch

### Rule Description

[ISM-ID-00313][Error] If @ism:nonICmarkings contains the token [ND] then the attribute @ism:disseminationControls must contain [NF]. Human Readable: NODIS data must be marked NOFORN.

### Code Description

If the @ism:nonICmarkings contains the ND token, then check that the @ism:disseminationControls attribute must have NF specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<sch:pattern id="ISM-ID-00313">
  <sch:rule id="ISM-ID-00313-R1"
    context="*[util:containsAnyOfTheTokens(@ism:nonICmarkings, ('ND'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
      flag="error"
      role="error">[ISM-ID-00313][Error] If @ism:nonICmarkings contains the token [ND] then the attribute @ism:disseminationControls must contain [NF]. Human
Readable: NODIS data must be marked NOFORN.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.208 - ../Rules/USGov/ISM\_ID\_00314.sch

### Rule Description

[ISM-ID-00314][Error] If @ism:nonICmarkings contains the token [XD] then the attribute @ism:disseminationControls must contain [NF]. Human Readable: EXDIS data must be marked NOFORN.

### Code Description

If the @ism:nonICmarkings contains the ND token, then check that the @ism:disseminationControls attribute must have NF specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<sch:pattern id="ISM-ID-00314">
  <sch:rule id="ISM-ID-00314-R1"
    context="*[util:containsAnyOfTheTokens(@ism:nonICmarkings, ('XD'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
      flag="error"
      role="error">[ISM-ID-00314][Error] If @ism:nonICmarkings contains the token [XD] then the attribute @ism:disseminationControls must contain [NF]. Human
Readable: EXDIS data must be marked NOFORN.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.209 - ../Rules/USGov/ISM\_ID\_00315.sch

### Rule Description

[ISM-ID-00315][Error] If classified element meets ISM\_CONTRIBUTES and attribute @ism:ownerProducer contains the token [NATO], then attribute @ism:declassException must be specified with a value of [NATO] or [NATO-AEA] on the resourceElement. Human Readable: Any document with non-resource classified elements that contributes to the document's banner roll-up and has NATO Information must also specify a NATO declass exemption on the banner.

### Code Description

In a classified document that meets ISM\_USGOV\_RESOURCE, for each element which is not the \$ISM\_RESOURCE\_ELEMENT and meets ISM\_CONTRIBUTES and specifies attribute @ism:ownerProducer with a value containing the token [NATO], this rule ensures that attribute @ism:declassException on the resource element is specified with a value containing the token [NATO] or [NATO-AEA].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00315">
  <sch:rule id="ISM-ID-00315-R1"
    context="*[not(generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)) and util:contributesToRollup(.) and $ISM_USGOV_RESOURCE and not(@ism:classification = 'U')
and util:containsAnyTokenMatching(@ism:ownerProducer, ('NATO:?'))]">
    <sch:assert test="util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:declassException, ('NATO', 'NATO-AEA'))"
      flag="error"
      role="error">[ISM-ID-00315][Error] If classified element meets ISM_CONTRIBUTES and attribute @ism:ownerProducer contains the token [NATO], then attribute
@ism:declassException must be specified with a value of [NATO] or [NATO-AEA] on the resourceElement. Human Readable: Any document with non-resource classified elements that contributes to the
document's banner roll-up and has NATO Information must also specify a NATO declass exemption on the banner.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.210 - ../Rules/USGov/ISM\_ID\_00316.sch

### Rule Description

[ISM-ID-00316][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:declassException of ISM\_RESOURCE\_ELEMENT contains [NATO] then at least one element meeting ISM\_CONTRIBUTES in the document must have a @ism:ownerProducer attribute containing [NATO] or the resource level attribute @ism:FGIsourceOpen must contain [NATO]. Human Readable: USA documents marked with a NATO declass exemption must have NATO portions or FGI NATO at the resource level.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, the current element is the ISM\_RESOURCE\_ELEMENT, and attribute @ism:declassException is specified with a value containing the value [NATO], then this rule ensures that some element meeting ISM\_CONTRIBUTES specifies attribute @ism:ownerProducer with a value containing [NATO] or that the resource level @ism:FGIsourceOpen contains [NATO].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN BANNER VALUECHECK"?>
<sch:pattern id="ISM-ID-00316">
  <sch:rule id="ISM-ID-00316-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:declassException, ('NATO'))]">
    <sch:assert test="util:containsAnyTokenMatching(string-join($partOwnerProducer_tok, ' '), ('^NATO:?')) or util:containsAnyTokenMatching(string-
join($bannerFGIsourceOpen_tok, ' '), ('^NATO:?'))"
      flag="error"
      role="error">[ISM-ID-00316][Error] If ISM_USGOV_RESOURCE and attribute @ism:declassException of ISM_RESOURCE_ELEMENT contains [NATO] then at least one
element meeting ISM_CONTRIBUTES in the document must have a @ism:ownerProducer attribute containing [NATO] or the resource level attribute @ism:FGIsourceOpen must contain [NATO]. Human
Readable: USA documents marked with a NATO declass exemption must have NATO portions or FGI NATO at the resource level.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.211 - ../Rules/USGov/ISM\_ID\_00317.sch

### Rule Description

[ISM-ID-00317][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:declassExemption of ISM\_RESOURCE\_ELEMENT contains [NATO-AEA] then at least one element meeting ISM\_CONTRIBUTES in the document must have a @ism:ownerProducer attribute containing [NATO] and one portion containing @ism:atomicEnergyMarkings. Human Readable: USA documents marked with a NATO-AEA declass exemption must have at least one NATO portion and one portion that contains Atomic Energy Markings.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, the current element is the ISM\_RESOURCE\_ELEMENT, and attribute @ism:declassExemption is specified with a value containing the value [NATO-AEA], then this rule ensures that some element meeting ISM\_CONTRIBUTES specifies attribute @ism:ownerProducer with a value containing [NATO] and @ism:atomicEnergyMarkings.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<sch:pattern id="ISM-ID-00317">
  <sch:rule id="ISM-ID-00317-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:declassException, ('NATO-AEA'))]">
    <sch:assert test="util:containsAnyTokenMatching(string-join($partOwnerProducer_tok, ' '), ('NATO:?')) and count($partAtomicEnergyMarkings_tok)>0"
      flag="error"
      role="error">[ISM-ID-00317][Error] If ISM_USGOV_RESOURCE and attribute @ism:declassExemption of ISM_RESOURCE_ELEMENT contains [NATO-AEA] then at least one
element meeting ISM_CONTRIBUTES in the document must have a @ism:ownerProducer attribute containing [NATO] and one portion containing @ism:atomicEnergyMarkings. Human Readable: USA documents
marked with a NATO-AEA declass exemption must have at least one NATO portion and one portion that contains Atomic Energy Markings.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.212 - ../Rules/USGov/ISM\_ID\_00318.sch

### Rule Description

[ISM-ID-00318][Error] Rollup compilation does not meet CAPCO guidance.

### Code Description

Where an element is the resource element and contains the @ism:releasableTo attribute, check that the values specified meet minimum roll-up conditions. Check all contributing portions against the banner for the existence of common countries ensuring that the countries in the banner are the intersection of all contributing portions. Any tetragraphs whose decomposable flag is true will be decomposed into their representative countries. Once the minimum possibility of intersecting countries is determined, the rule checks that all portions of the banner are included in the subset. The rule then checks for the case where there are no common countries to be rolled up to the resource element. Finally, the rule checks to ensure that if the banner countries are a subset of the common countries, that a compilationReason is specified. If a compilationReason is not specified, then the banner releasableTo countries must be the set of common countries from all contributing portions.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00318" is-a="CheckCommonCountries">
  <sch:param name="ruleId" value="'ISM-ID-00318'"/>
  <sch:param name="attrLocalName" value="'releasableTo'"/>
  <sch:param name="actualBannerTokens" value="$relToActualBannerTokens"/>
  <sch:param name="calculatedBannerTokens" value="$relToCalculatedBannerTokens"/>
</sch:pattern>
```

## 11.213 - ../Rules/USGov/ISM\_ID\_00319.sch

### Rule Description

[ISM-ID-00319][Error] If ISM\_USGOV\_RESOURCE and @ism:ownerProducer contains 'USA' and attribute @ism:releasableTo is specified, then @ism:releasableTo must contain more than a single token.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE and a portion's @ism:ownerProducer attribute contains 'USA' and specifies attribute @ism:releasableTo, this rule ensures that the token count for releasableTo is greater than 1.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00319">
  <sch:rule id="ISM-ID-00319-R1"
    context="*[util:containsAnyTokenMatching(@ism:ownerProducer, 'USA') and @ism:releasableTo and $ISM_USGOV_RESOURCE]">
    <sch:assert test="count(tokenize(normalize-space(string(@ism:releasableTo)), ' ')) > 1"
      flag="error"
      role="error">[ISM-ID-00319][Error] If ISM_USGOV_RESOURCE and @ism:ownerProducer contains 'USA' and attribute @ism:releasableTo is specified, then
@ism:releasableTo must contain more than a single token.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.214 - ../Rules/USGov/ISM\_ID\_00320.sch

### Rule Description

[ISM-ID-00320][Error] If the ISM\_RESOURCE\_ELEMENT has the @ism:displayOnlyTo attribute specified, then the countries specified in the @ism:displayOnlyTo attribute MUST be the set of the common countries specified across all contributing portions UNLESS a compilation reason is specified in which case a subset of the common country set may be used.

### Code Description

Where an element is the resource element and contains the @ism:displayOnlyTo attribute, check that the values specified meet the minimum roll-up conditions. Check all contributing portions against the banner for the existence of common countries ensuring that the countries in the banner are the intersection of all contributing portions. Any tetragraphs whose decomposable flag is true will be decomposed into their representative countries. Once the minimum possibility of intersecting countries is determined, the rule checks that all portions of the banner are included in the subset. The rule then checks for the case where there are no common countries to be rolled up to the resource element. Finally, the rule checks to ensure that if the banner countries are a subset of the common countries, that a @ism:compilationReason is specified. If a @ism:compilationReason is not specified, then the banner @ism:displayOnlyTo countries must be the set of common countries from all contributing portions.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00320" is-a="CheckCommonCountries">
  <sch:param name="ruleId" value="'ISM-ID-00320'"/>
  <sch:param name="attrLocalName" value="'displayOnlyTo'"/>
  <sch:param name="actualBannerTokens" value="$displayToActualBannerTokens"/>
  <sch:param name="calculatedBannerTokens" value="$displayToCalculatedBannerTokens"/>
</sch:pattern>
```

## 11.215 - ../Rules/USGov/ISM\_ID\_00321.sch

### Rule Description

[ISM-ID-00321][Error] If ISM\_USGOV\_RESOURCE, then tokens [RD], [FRD] and [TFNI] are mutually exclusive for attribute @ism:atomicEnergyMarkings. Human Readable: RD, FRD, and TFNI are mutually exclusive and cannot be commingled in a portion mark or in the banner line.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:atomicEnergyMarkings specified with a value containing the token [RD], [FRD] or [TFNI], this rule ensures that attribute @ism:disseminationControls is specified with a value containing only one of the tokens [RD], [FRD] or [TFNI].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00321" is-a="MutuallyExclusiveAttributeValues">
  <sch:param name="context"
    value="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD', 'FRD', 'TFNI'))]"/>
  <sch:param name="attrValue" value="@ism:atomicEnergyMarkings"/>
  <sch:param name="mutuallyExclusiveTokenList" value="('RD', 'FRD', 'TFNI')"/>
  <sch:param name="errMsg"
    value="' [ISM-ID-00321][Error] If ISM_USGOV_RESOURCE, then tokens [RD], [FRD] and [TFNI] are mutually exclusive for attribute atomicEnergyMarkings. Human
Readable: RD, FRD and TFNI are mutually exclusive and cannot be commingled in a portion mark or in the banner line. '"/>
</sch:pattern>
```

## 11.216 - ../Rules/general/ISM\_ID\_00323.sch

### Rule Description

[ISM-ID-00323][Error] The attribute @ism:ISMCACTESVersion in the namespace urn:us:gov:ic:ism must be specified. Human Readable: The CVE encoding specification version for ISMCAT must be specified.

### Code Description

This rule ensures that the attribute @ism:ISMCACTESVersion is specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00323">
  <sch:rule id="ISM-ID-00323-R1" context="/">
    <sch:assert test="some $element in descendant-or-self::node() satisfies $element/@ism:ISMCACTESVersion"
      flag="error"
      role="error">[ISM-ID-00323][Error] The attribute @ism:ISMCACTESVersion in the namespace urn:us:gov:ic:ism must be specified. Human Readable: The CVE
encoding specification version for ISMCAT must be specified.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.217 - ../Rules/USGov/ISM\_ID\_00324.sch

### Rule Description

[ISM-ID-00324][Error] If a document is ISM\_USGOV\_RESOURCE, it must contain portion markings. Human Readable: All valid ISM\_USGOV\_RESOURCE documents must also contain portion markings.

### Code Description

Make sure that all ISM\_USGOV\_RESOURCE documents contain at least one portion mark if they are not uncaveated UNCLASSIFIED. Allow compilation reason to suffice as an exemption from this rule.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00324">
  <sch:rule id="ISM-ID-00324-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and not(@ism:classification='U' and util:isUncaveatedAndNoFDR(.)) and
not(@ism:compilationReason)]">
    <sch:assert test="count($partTags) > 0" flag="error" role="error">[ISM-ID-00324][Error] If a document is ISM_USGOV_RESOURCE, it must contain portion markings. Human
Readable: All valid ISM_USGOV_RESOURCE documents must also contain portion markings.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.218 - ../Rules/USGov/ISM\_ID\_00325.sch

### Rule Description

[ISM-ID-00325][Error] If ISM\_USGOV\_RESOURCE, then tokens [OC] and [RELIDO] are mutually exclusive for attribute @ism:disseminationControls.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:disseminationControls specified with a value containing the token [OC] or [RELIDO], this rule ensures that attribute @ism:disseminationControls is specified with a value containing only one of the tokens [OC] or [RELIDO].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00325" is-a="MutuallyExclusiveAttributeValues">
  <sch:param name="context"
    value="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC', 'RELIDO'))]"/>
  <sch:param name="attrValue" value="@ism:disseminationControls"/>
  <sch:param name="mutuallyExclusiveTokenList" value="('OC', 'RELIDO')"/>
  <sch:param name="errMsg"
    value="' [ISM-ID-00325][Error] If ISM_USGOV_RESOURCE, then tokens [OC] and [RELIDO] are mutually exclusive for attribute disseminationControls. '"/>
</sch:pattern>
```

## 11.219 - ../Rules/USGov/ISM\_ID\_00326.sch

### Rule Description

[ISM-ID-00326][Error] ORCON information (i.e. @ism:disseminationControls of the resource node contains [OC]) requires ORCON profile NTK metadata.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE and the resource node's @ism:disseminationControls attribute contains [OC], the document must have OC profile NTK metadata. That is, there must be an NTK assertion with an ntk:AccessPolicy value of 'urn:us:gov:ic:aces:ntk:oc'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00326">
  <sch:rule id="ISM-ID-00326-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC'))]">
    <sch:assert test="/*/ntk:AccessPolicy[.='urn:us:gov:ic:aces:ntk:oc']"
      flag="error"
      role="error">[ISM-ID-00326][Error] ORCON information (i.e. @ism:disseminationControls of the resource node contains [OC]) requires ORCON profile NTK
metadata.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.220 - ../Rules/USGov/ISM\_ID\_00327.sch

### Rule Description

[ISM-ID-00327][Error] If ISM\_USGOV\_RESOURCE and: 1. Any element in the document that has the attribute @ism:disseminationControls containing [FOUO] AND 2. Has the attribute @ism:classification [U] Then the element can only have the @ism:disseminationControls containing [REL], [RELIDO], [NF], [DISPLAYONLY], and [EYES]. Human Readable: Dissemination control markings, excluding Foreign Disclosure and Release markings (REL, RELIDO, NF, DISPLAYONLY, or EYES), in elements of USA Unclassified documents supersede and take precedence over FOUO.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for any element that contains @ism:disseminationControls with a value containing [FOUO] and has @ism:classification with a value of [U], then this rule ensures that @ism:disseminationControls only contains the tokens [REL], [RELIDO], [NF], [EYES], [DISPLAYONLY], or [FOUO].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00327">
  <sch:rule id="ISM-ID-00327-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('FOUO')) and util:containsAnyOfTheTokens(@ism:classification, ('U'))]">
    <sch:assert test="util:containsOnlyTheTokens(@ism:disseminationControls, ('REL', 'RELIDO', 'NF', 'EYES', 'DISPLAYONLY', 'FOUO'))"
      flag="error"
      role="error">[ISM-ID-00327][Error] If ISM_USGOV_RESOURCE and: 1. Any element in the document that has the attribute @ism:disseminationControls containing
[FOUO] AND 2. Has the attribute @ism:classification [U] Then the element can only have the @ism:disseminationControls containing [REL], [RELIDO], [NF], [DISPLAYONLY], and [EYES]. Human
Readable: Dissemination control markings, excluding Foreign Disclosure and Release markings (REL, RELIDO, NF, DISPLAYONLY, or EYES), in elements of USA Unclassified documents supersede and
take precedence over FOUO.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.221 - ../Rules/USGov/ISM\_ID\_00328.sch

### Rule Description

[ISM-ID-00328][Error] If ISM\_USGOV\_RESOURCE and: 1. Any element in the document that has the attribute @ism:disseminationControls containing [FOUO] AND 2. Has the attribute @ism:classification [U] Then the element can't have any @ism:nonICMarkings. Human Readable: Non-IC dissemination control markings in elements of USA Unclassified documents supersede and take precedence over FOUO.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for any element that contains @ism:disseminationControls with a value containing [FOUO] and has @ism:classification with a value of [U], then this rule ensures that there is no @ism:nonICMarkings.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00328">
  <sch:rule id="ISM-ID-00328-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('FOUO')) and util:containsAnyOfTheTokens(@ism:classification, ('U'))]">
    <sch:assert test="not(@ism:nonICmarkings)" flag="error" role="error">[ISM-ID-00328][Error] If ISM_USGOV_RESOURCE and: 1. Any element in the document that has the attribute @ism:disseminationControls containing [FOUO] AND 2. Has the attribute @ism:classification [U] Then the element can't have any @ism:nonICMarkings. Human Readable: Non-IC dissemination control markings in elements of USA Unclassified documents supersede and take precedence over FOUO.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.222 - ../Rules/USGov/ISM\_ID\_00330.sch

### Rule Description

[ISM-ID-00330][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS-P], then attribute @ism:classification must have a value of [TS], or [S]. Human Readable: A USA document with HCS-PRODUCT compartment data must be classified SECRET or TOP SECRET.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing the token [HCS-P] ensure that attribute @ism:classification is specified with a value containing the token [TS], or [S].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00330">
  <sch:rule id="ISM-ID-00330-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('HCS-P'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S'))"
      flag="error"
      role="error">[ISM-ID-00330][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS-P], then attribute @ism:classification
must have a value of [TS], or [S]. Human Readable: A USA document with HCS-PRODUCT compartment data must be classified SECRET or TOP SECRET.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.223 - ../Rules/USGov/ISM\_ID\_00332.sch

### Rule Description

[ISM-ID-00332][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS-O], then attribute @ism:classification must have a value of [TS] or [S]. Human Readable: A USA document with HCS-OPERATIONS compartment data must be classified SECRET or TOP SECRET.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing the token [HCS-O], ensure that attribute @ism:classification is specified with a value of [TS] or [S].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00332">
  <sch:rule id="ISM-ID-00332-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('HCS-O'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S'))"
      flag="error"
      role="error">[ISM-ID-00332][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS-O], then attribute @ism:classification
must have a value of [TS] or [S]. Human Readable: A USA document with HCS-OPERATIONS compartment data must be classified SECRET or TOP SECRET.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.224 - ../Rules/USGov/ISM\_ID\_00335.sch

### Rule Description

[ISM-ID-00335][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS-O], then attribute @ism:disseminationControls must contain the name token [OC]. Human Readable: A USA document with HCS-OPERATIONS compartment data must be marked for ORIGINATOR CONTROLLED dissemination.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing the token [HCS-O], this rule ensures that attribute @ism:disseminationControls is specified with a value containing the token [OC].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00335">
  <sch:rule id="ISM-ID-00335-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('HCS-O'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC'))"
      flag="error"
      role="error">[ISM-ID-00335][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS-O], then attribute
@ism:disseminationControls must contain the name token [OC]. Human Readable: A USA document with HCS-OPERATIONS compartment data must be marked for ORIGINATOR CONTROLLED dissemination.</
sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.225 - ./Rules/USGov/ISM\_ID\_00336.sch

### Rule Description

[ISM-ID-00336][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains a token matching [HCS-P-XXXXXX], where X is represented by the regular expression character class [A-Z0-9]{1,6}, then attribute @ism:disseminationControls must contain the name token [OC]. Human Readable: A USA document with HCS-PRODUCT subcompartment data must be marked for ORIGINATOR CONTROLLED dissemination.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing a token matching [HCS-P-XXXXXX], where X is represented by the regular expression character class [A-Z0-9]{1,6}, this rule ensures that attribute @ism:disseminationControls is specified with a value containing the token [OC].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00336">
  <sch:rule id="ISM-ID-00336-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:SCIcontrols, ('^HCS-P-[A-Z0-9]{1,6}$'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC'))"
      flag="error"
      role="error">[ISM-ID-00336][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains a token matching [HCS-P-XXXXXX], where X is represented by
the regular expression character class [A-Z0-9]{1,6}, then attribute @ism:disseminationControls must contain the name token [OC]. Human Readable: A USA document with HCS-PRODUCT subcompartment
data must be marked for ORIGINATOR CONTROLLED dissemination.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.226 - ../Rules/general/ISM\_ID\_00337.sch

### Rule Description

[ISM-ID-00337][Error] The first element in document order having @ism:resourceElement specified with a value of [true] must have @ism:compliesWith specified.

### Code Description

This rule ensures that the resourceElement has attribute @ism:compliesWith specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00337">
  <sch:rule id="ISM-ID-00337-R1"
    context="*[generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)][1]">
    <sch:assert test="@ism:compliesWith" flag="error" role="error">[ISM-ID-00337][Error] The first element in document order having @ism:resourceElement specified with a
value of [true] must have @ism:compliesWith specified.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.227 - ../Rules/general/ISM\_ID\_00338.sch

### Rule Description

[ISM-ID-00338][Error] All @ism:compliesWith values must be defined in CVEnumISMCompliesWith.xml.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00338" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context" value="*[@ism:compliesWith]"/>
  <sch:param name="searchTermList" value="@ism:compliesWith"/>
  <sch:param name="list" value="$compliesWithList"/>
  <sch:param name="errMsg"
    value="' [ISM-ID-00338][Error] All @ism:compliesWith values must be defined in CVEnumISMCompliesWith.xml. '"/>
</sch:pattern>
```

## 11.228 - ../Rules/general/ISM\_ID\_00339.sch

### Rule Description

[ISM-ID-00339][Error] 1. @ism:ownerProducer of resource element contains USA 2. @ism:compliesWith does not contain USGov Human Readable: All documents that contain USA in @ism:ownerProducer of the first resource node (in document order) must claim USGov in @ism:compliesWith

### Code Description

If a document contains USA in @ism:ownerProducer (for the resource element), then @ism:compliesWith must contain USGov.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00339">
  <sch:rule id="ISM-ID-00339-R1"
    context="*[ generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:ownerProducer, ('USA'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:compliesWith, ('USGov'))"
      flag="error"
      role="error">[ISM-ID-00339][Error] 1. ism:ownerProducer of resource element contains USA 2. ism:compliesWith does not contain USGov Human Readable: All
documents that contain USA in @ism:ownerProducer of the first resource node (in document order) must claim USGov in @ism:compliesWith</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.229 - ../Rules/general/ISM\_ID\_00340.sch

### Rule Description

[ISM-ID-00340][Error] All @ism:compliesWith attributes must be of type NmTokens.

### Code Description

For all elements which contain a @ism:compliesWith attribute, this rule ensures that the @ism:compliesWith value matches the pattern defined for type NmTokens.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00340">
  <sch:rule id="ISM-ID-00340-R1" context="*[@ism:compliesWith]">
    <sch:assert test="util:meetsType(@ism:compliesWith, $NmTokensPattern)"
      flag="error"
      role="error">[ISM-ID-00340][Error] All @ism:compliesWith attributes must be of type NmTokens.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.230 - ../Rules/USGov/ISM\_ID\_00341.sch

### Rule Description

[ISM-ID-00341][Error] If ISM\_USGOV\_RESOURCE and @ism:SCIcontrols contains a token matching [SI-G] or [SI-G-XXXX], then @ism:disseminationControls cannot contain [OC-USGOV]. Human Readable: OC-USGOV cannot be used if SI-G or an SI-G subs are present.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE and @ism:SCIcontrols contains [SI-G] or [SI-G-XXXX], then @ism:disseminationControls cannot contain [OC-USGOV].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00341">
  <sch:rule id="ISM-ID-00341-R1"
    context="*[$ISM_USGOV_RESOURCE and (util:containsAnyTokenMatching(@ism:SCIcontrols, ('^SI-G-[A-Z]{4}$')) or util:containsAnyOfTheTokens(@ism:SCIcontrols, ('SI-
G')))]">
    <sch:assert test="not(util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC-USGOV')))"
      flag="error"
      role="error">[ISM-ID-00341][Error] If ISM_USGOV_RESOURCE and @ism:SCIcontrols contains a token matching [SI-G] or [SI-G-XXXX], then
@ism:disseminationControls cannot contain [OC-USGOV]. Human Readable: OC-USGOV cannot be used if SI-G or an SI-G subs are present.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.231 - ../Rules/USGov/ISM\_ID\_00343.sch

### Rule Description

[ISM-ID-00343][Error] If ISM\_USGOV\_RESOURCE and there exists a token in @ism:SCIcontrols for portions that contribute to rollup, then they must also be specified in the @ism:SCIcontrols attribute on the ISM\_RESOURCE\_ELEMENT.  
Human Readable: All SCI controls specified in the document that contribute to rollup must be rolled up to the resource level.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE match on the ISM\_RESOURCE\_ELEMENT if there are any @ism:SCIcontrols values specified on portions that are not @ism:excludeFromRollup="true" and then ensure that all the tokens found exist on the element are matched to. If there are any tokens not present in our element that exist elsewhere in the document's contributing portions, store them in the missingSCI variable. Then this rule ensures that the missingSCI variable is empty or return an error message that specifies which tokens are missing.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00343">
  <sch:rule id="ISM-ID-00343-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and count($partSCIcontrols_tok)>0]"><!-- Check that all distinct tokens
in SCIcontrols throughout the document that are not
  excludeFromRollup="true" are present in the SCIcontrols attribute of the
  ISM_RESOURCE_ELEMENT. If not return the missing token to the variable -->

    <sch:let name="missingSCI"
      value="for $token in distinct-values($partSCIcontrols) return if (index-of(tokenize(@ism:SCIcontrols,' '), $token) > 0 ) then null else $token"/>
      <!-- check that the variable for missing SCIcontrol tokens is empty or error -->

    <sch:assert test="count($missingSCI)=0" flag="error" role="error">[ISM-ID-00343][Error] All SCI controls specified in the document that contribute to rollup must be rolled up to the
resource level. The following tokens were found to be missing from the resource element:
      <sch:value-of select="string-join($missingSCI, ', ')">.
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.232 - ../Rules/USGov/ISM\_ID\_00344.sch

### Rule Description

[ISM-ID-00344][Error] If ISM\_USGOV\_RESOURCE and there exists a token in @ism:SCIcontrols on the ISM\_RESOURCE\_ELEMENT and no compilation reason then the token must also be specified in the @ism:SCIcontrols attribute on at least one portion. Human Readable: All SCI controls specified at the resource level must be found in a contributing portion of the document unless there is a compilation reason of the exception.

### Code Description

If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols of ISM\_RESOURCE\_ELEMENT exists and attribute ism:compilationReason does not have a value, then this rule ensures that at least one element meeting ISM\_CONTRIBUTES specifies attribute @ism:SCIcontrols with each value specified on the ISM\_RESOURCE\_ELEMENT.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00344">
  <sch:rule id="ISM-ID-00344-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and @ism:SCIcontrols and string-length(normalize-
space(@ism:compilationReason)) = 0]">
    <sch:let name="missingSCI"
      value="for $token in tokenize(@ism:SCIcontrols, ' ') return if (index-of(distinct-values($partSCIcontrols), $token) > 0) then null else $token"/>
    <sch:assert test="count($missingSCI)=0" flag="error" role="error">[ISM-ID-00344][Error] All SCI controls specified at the resource level must be found in a contributing
portion of the document unless there is a compilation reason of the exception. The following tokens were found to be missing from the portions:
    <sch:value-of select="string-join($missingSCI, ', ')">.
  </sch:assert>
</sch:rule>
</sch:pattern>
```

## 11.233 - ../Rules/USGov/ISM\_ID\_00345.sch

### Rule Description

[ISM-ID-00345][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:disseminationControls contains the value [EYES], @ism:releasableTo must only contain the token values of [USA], [AUS], [CAN], [GBR] or [NZL].

### Code Description

If ISM\_USGOV\_RESOURCE, for each element which specifies the attribute @ism:disseminationControls with the value of [EYES], this rule ensures that attribute @ism:releasableTo is specified with the token values of [USA], [AUS], [CAN], [GBR] or [NZL].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00345">
  <sch:rule id="ISM-ID-00345-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('EYES'))]">
    <sch:assert test="util:containsOnlyTheTokens(@ism:releasableTo, ('USA', 'AUS', 'CAN', 'GBR', 'NZL'))"
      flag="error"
      role="error">[ISM-ID-00345][Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the value [EYES], @ism:releasableTo must only
contain the token values of [USA], [AUS], [CAN], [GBR] or [NZL].</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.234 - ../Rules/USGov/ISM\_ID\_00346.sch

### Rule Description

[ISM-ID-00346][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:nonICmarkings contains the name token [DS], then attribute @ism:classification must have a value of [U]. Human Readable: The DS (LIMDIS) nonICmarkings value in a USA document must only be used with a classification of UNCLASSIFIED.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:nonICmarkings specified with a value containing the token [DS] this rule ensures that attribute @ism:classification is specified with a value of [U].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00346">
  <sch:rule id="ISM-ID-00346-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:nonICmarkings, ('DS'))]">
    <sch:assert test="@ism:classification='U'" flag="error" role="error">[ISM-ID-00346][Error] If ISM_USGOV_RESOURCE and attribute @ism:nonICmarkings contains the name
token [DS], then attribute @ism:classification must have a value of [U]. Human Readable: The DS (LIMDIS) nonICmarkings value in a USA document must only be used with a classification of
UNCLASSIFIED.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.235 - ../Rules/USGov/ISM\_ID\_00347.sch

### Rule Description

[ISM-ID-00347][Error] If ISM\_USGOV\_RESOURCE and if there exists a token in @ism:SARIdentifier for portions that contribute to rollup then they must also be specified in the @ism:SARIdentifier attribute on the ISM\_RESOURCE\_ELEMENT. Human Readable: All SAR Identifiers specified in the document that contribute to rollup must be rolled up to the resource level.

### Code Description

If ISM\_USGOV\_RESOURCE, match on the ISM\_RESOURCE\_ELEMENT if there are any @ism:SARIdentifier values specified on portions that are not @ism:excludeFromRollup="true" and then ensure that all the tokens found exist on the element are matched to. If there are any tokens not present in our element that exist elsewhere in the document's contributing portions, store them in the missingSAR variable. Then check that the missingSAR variable is empty or return an error message that specifies which tokens are missing.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00347">
  <sch:rule id="ISM-ID-00347-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and count($partSARIdentifier_tok)>0]"><!-- Check that all distinct
tokens in SARIdentifier throughout the document that are not
excludeFromRollup="true" are present in the SARIdentifier attribute of the
ISM_RESOURCE_ELEMENT. If not return the missing token to the variable -->

  <sch:let name="missingSAR"
    value="for $token in distinct-values($partSARIdentifier) return if (index-of(tokenize(@ism:SARIdentifier,' '), $token) > 0 ) then null else $token"/>
    <!-- check that the variable for missing SARIdentifier tokens is empty or error -->

  <sch:assert test="count($missingSAR)=0" flag="error" role="error">[ISM-ID-00347][Error] All SAR Identifiers specified in the document that contribute to rollup must be rolled up to the
resource level. The following tokens were found to be missing from the resource element:
  <sch:value-of select="string-join($missingSAR, ', ')">.
</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.236 - ../Rules/USGov/ISM\_ID\_00348.sch

### Rule Description

[ISM-ID-00348][Error] If ISM\_USGOV\_RESOURCE and there exists a token in @ism:SARIdentifier on the ISM\_RESOURCE\_ELEMENT and no compilation reason then the token must also be specified in the @ism:SARIdentifier attribute on at least one portion. Human Readable: All SAR Identifiers specified at the resource level must be found in a contributing portion of the document unless there is a compilation reason of the exception.

### Code Description

If ISM\_USGOV\_RESOURCE and attribute @ism:SARIdentifier of ISM\_RESOURCE\_ELEMENT exists and attribute @ism:compilationReason does not have a value, then this rule ensures that at least one element meeting ISM\_CONTRIBUTES specifies attribute @ism:SARIdentifier with each value specified on the ISM\_RESOURCE\_ELEMENT.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00348">
  <sch:rule id="ISM-ID-00348-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and @ism:SARIdentifier and string-length(normalize-
space(@ism:compilationReason)) = 0]">
    <sch:let name="missingSAR"
      value="for $token in tokenize(@ism:SARIdentifier, ' ') return if (index-of(distinct-values($partSARIdentifier), $token) &gt; 0) then null else $token"/>
    <sch:assert test="count($missingSAR)=0" flag="error" role="error">[ISM-ID-00348][Error] All SAR Identifiers specified at the resource level must be found in a
contributing portion of the document unless there is a compilation reason of the exception. The following tokens were found to be missing from the portions:
    <sch:value-of select="string-join($missingSAR, ', ')">.
  </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.237 - ../Rules/USGov/ISM\_ID\_00349.sch

### Rule Description

[ISM-ID-00349][Error] If ISM\_USGOV\_RESOURCE, PROPIN information (i.e. @ism:disseminationControls of the resource node contains [PR]) requires PROPIN NTK metadata.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE and the resource node's @ism:disseminationControls attribute contains [PR], the document must have PROPIN profile NTK metadata. That is, there must be an NTK assertion with an ntk:AccessPolicy value that starts with 'urn:us:gov:ic:aces:ntk:propin:'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00349">
  <sch:rule id="ISM-ID-00349-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:disseminationControls, ('PR'))]">
    <sch:assert test="/*/ntk:AccessPolicy[starts-with(.,'urn:us:gov:ic:aces:ntk:propin:'])"
      flag="error"
      role="error">[ISM-ID-00349][Error] If ISM_USGOV_RESOURCE, PROPIN information (i.e. @ism:disseminationControls of the resource node contains [PR]) requires
PROPIN NTK metadata.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.238 - ../Rules/USGov/ISM\_ID\_00350.sch

### Rule Description

[ISM-ID-00350][Error] Exclusive Distribution information (i.e. @ism:nonICmarkings of the resource node contains [XD]) requires XD profile NTK metadata.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE and the resource nodes's @ism:nonICmarkings attribute contains [XD], the document must have XD profile NTK metadata. That is, there must be an NTK assertion with an ntk:AccessPolicy value of 'urn:us:gov:ic:aces:ntk:xd'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00350">
  <sch:rule id="ISM-ID-00350-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:nonICmarkings, ('XD'))]">
    <sch:assert test="/*/ntk:AccessPolicy[.='urn:us:gov:ic:aces:ntk:xd']"
      flag="error"
      role="error">[ISM-ID-00350][Error] Exclusive Distribution information (i.e. @ism:nonICmarkings of the resource node contains [XD]) requires XD profile NTK
metadata.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.239 - ../Rules/USGov/ISM\_ID\_00351.sch

### Rule Description

[ISM-ID-00351][Error] No Distribution information (i.e. @ism:nonICmarkings of the resource node contains [ND]) requires ND profile NTK metadata.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE and the resource node's @ism:nonICmarkings attribute contains [ND], the document must have ND profile NTK metadata. That is, there must be an NTK assertion with an ntk:AccessPolicy value of 'urn:us:gov:ic:aces:ntk:nd'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00351">
  <sch:rule id="ISM-ID-00351-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:nonICmarkings, ('ND'))]">
    <sch:assert test="/*/ntk:AccessPolicy[.='urn:us:gov:ic:aces:ntk:nd']"
      flag="error"
      role="error">[ISM-ID-00351][Error] No Distribution information (i.e. @ism:nonICmarkings of the resource node contains [ND]) requires ND profile NTK
metadata.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.240 - ../Rules/USGov/ISM\_ID\_00352.sch

### Rule Description

[ISM-ID-00352][Error] Banner or portion that contributes to roll-up must contain [PR] if PROPIN NTK metadata exists.

### Code Description

Invokes abstract rule NtkHasCorrespondingDataTwoTokens.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00352" is-a="NtkHasCorrespondingDataTwoTokens">
  <sch:param name="ruleId" value="'ISM-ID-00352'"/>
  <sch:param name="policyName" value="'PROPIN'"/>
  <sch:param name="uriPrefix" value="'urn:us:gov:ic:aces:ntk:propin:'"/>
  <sch:param name="attr" value="'disseminationControls or cuiBasic or cuiSpecified'"/>
  <sch:param name="dataType1" value="'PR'"/>
  <sch:param name="dataType2" value="'PROPIN'"/>
  <sch:param name="dataTokenList"
    value="($partDisseminationControls_tok,$partCuiBasic_tok,$partCuiSpecified_tok)"/>
  <sch:param name="bannerTokenList"
    value="($bannerDisseminationControls_tok,$bannerCuiBasic_tok,$bannerCuiSpecified_tok)"/>
</sch:pattern>
```

## 11.241 - ../Rules/USGov/ISM\_ID\_00353.sch

### Rule Description

[ISM-ID-00353][Error] Banner or portion that contributes to roll-up must contain [OC] if ORCON NTK metadata exists.

### Code Description

Invokes abstract rule NtkHasCorrespondingData.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00353" is-a="NtkHasCorrespondingData">
  <sch:param name="ruleId" value="'ISM-ID-00353'"/>
  <sch:param name="policyName" value="'ORCON'"/>
  <sch:param name="uriPrefix" value="'urn:us:gov:ic:aces:ntk:oc'"/>
  <sch:param name="attr" value="'disseminationControls'"/>
  <sch:param name="dataType" value="'OC'"/>
  <sch:param name="dataTokenList" value="$partDisseminationControls_tok"/>
  <sch:param name="bannerTokenList" value="$bannerDisseminationControls_tok"/>
</sch:pattern>
```

## 11.242 - ../Rules/USGov/ISM\_ID\_00354.sch

### Rule Description

[ISM-ID-00354][Error] The banner or a portion that contributes to roll-up must contain [XD] if EXDIS NTK metadata exists.

### Code Description

Invokes abstract rule NtkHasCorrespondingData.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00354" is-a="NtkHasCorrespondingData">
  <sch:param name="ruleId" value="'ISM-ID-00354'"/>
  <sch:param name="policyName" value="'EXDIS'"/>
  <sch:param name="uriPrefix" value="'urn:us:gov:ic:aces:ntk:xd'"/>
  <sch:param name="attr" value="'nonICmarkings'"/>
  <sch:param name="dataType" value="'XD'"/>
  <sch:param name="dataTokenList" value="$partNonICmarkings_tok"/>
  <sch:param name="bannerTokenList" value="$bannerNonICmarkings_tok"/>
</sch:pattern>
```

## 11.243 - ../Rules/USGov/ISM\_ID\_00355.sch

### Rule Description

[ISM-ID-00355][Error] The banner or a portion that contributes to roll-up must contain [ND] if NODIS NTK metadata exists.

### Code Description

Invokes abstract rule NtkHasCorrespondingData.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00355" is-a="NtkHasCorrespondingData">
  <sch:param name="ruleId" value="'ISM-ID-00355'"/>
  <sch:param name="policyName" value="'NODIS'"/>
  <sch:param name="uriPrefix" value="'urn:us:gov:ic:aces:ntk:nd'"/>
  <sch:param name="attr" value="'nonICmarkings'"/>
  <sch:param name="dataType" value="'ND'"/>
  <sch:param name="dataTokenList" value="$partNonICmarkings_tok"/>
  <sch:param name="bannerTokenList" value="$bannerNonICmarkings_tok"/>
</sch:pattern>
```

## 11.244 - ../Rules/USGov/ISM\_ID\_00356.sch

### Rule Description

[ISM-ID-00356][Error] USA documents containing SSI data must have a non-external SSI notice.

### Code Description

This rule uses an abstract pattern to enforce that an appropriate notice exists for SSI information. If (1) the document is an ISM\_USGOV\_RESOURCE and (2) the document contains an element that contributes to rollup (ISM\_CONTRIBUTES is true) that also has an ism:nonICmarkings attribute that contains the token [SSI], there must exist an element that contributes to rollup (ISM\_CONTRIBUTES is true) that has an ism:noticeType attribute containing the token [SSI] and that does not have an ism:externalNotice attribute with a value of [true].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00356" is-a="DataHasCorrespondingNotice">
  <sch:param name="ruleId" value="'ISM-ID-00356'"/>
  <sch:param name="attrName" value="'ism:nonICmarkings'"/>
  <sch:param name="attrValue" value="@ism:nonICmarkings"/>
  <sch:param name="noticeType" value="'SSI'"/>
  <sch:param name="dataType" value="'SSI'"/>
</sch:pattern>
```

## 11.245 - ../Rules/USGov/ISM\_ID\_00357.sch

### Rule Description

[ISM-ID-00357][Error] If ISM\_USGOV\_RESOURCE and: 1. No element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:nonICmarkings containing [SSI] AND 2. Any element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:noticeType containing [SSI] and does not specify attribute @ism:externalNotice with a value of [true]. Human Readable: USA documents containing an non-external SSI notice must also have SSI data.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and any element meets ISM\_CONTRIBUTES and specifies attribute @ism:noticeType with a value containing the token [SSI] and does not specify attribute @ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:nonICmarkings with a value containing the token [SSI].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00357" is-a="NoticeHasCorrespondingData">
  <sch:param name="ruleId" value="'ISM-ID-00357'"/>
  <sch:param name="attrName" value="'nonICmarkings'"/>
  <sch:param name="dataType" value="'SSI'"/>
  <sch:param name="noticeType" value="'SSI'"/>
  <sch:param name="dataTokenList" value="$partNonICmarkings_tok"/>
</sch:pattern>
```

## 11.246 - ../Rules/general/ISM\_ID\_00358.sch

### Rule Description

[ISM-ID-00358][Error] A document using tetragraphs may not have a releasableTo that is less restrictive than that of any tetragraph or organization tokens used in the releasableTo fields.

### Code Description

Determine the set of releasable countries by determining, for each token, if it is a country code or tetragraph. If it is a tetragraph, get the membership from ISMCAT Taxonomy, otherwise add the token to the list. Then determine if any of the tetragraph tokens have releasability restrictions themselves. If so, add that token to a list. Finally, determine if the releasability of the tetragraph tokens are more restrictive than the releasability of the document. If there are, trigger the error message.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00358">
  <sch:rule id="ISM-ID-00358-R1" context="*[@ism:resourceElement=true()][1]">
    <sch:let name="op" value="if(@ism:joint=true()) then @ism:ownerProducer else ''"/>
    <sch:let name="releasableToCountries"
      value="distinct-values(for $value in tokenize(normalize-space(concat(@ism:releasableTo,' ', $op)), ' ') return if(index-of($catt//catt:TetraToken,$value)>0)
then util:tokenize(util:getTetragraphMembership($value)) else $value)"/>
    <sch:let name="tetrasWithReleasableTo"
      value="distinct-values(for $value in $tetras return if($catt//catt:TetraToken[.=$value]/@ism:releasableTo) then $value else null)"/>
    <sch:let name="moreRestrictiveTetras"
      value="for $tetra in $tetrasWithReleasableTo return if (every $value in $releasableToCountries satisfies index-of(distinct-
values(util:tokenize(util:getTetragraphReleasability($tetra)), $value)>0) then null else $tetra)"/>
    <sch:assert test="empty($moreRestrictiveTetras)" flag="error" role="error">[ISM-ID-00358][Error] A document using tetragraphs may not have a releasableTo that is less
restrictive than that of any tetragraph or organization tokens used in the releasableTo fields. The following tetragraphs have a more restrictive releasability than the document:
    <sch:value-of select="string-join($moreRestrictiveTetras, ', ' )"/>
    </sch:assert>
    <sch:assert test="exists($catt//catt:Tetragraphs)" flag="error" role="error">ISMCAT Taxonomy does not exist!</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.247 - ../Rules/general/ISM\_ID\_00359.sch

### Rule Description

[ISM-ID-00359][Error] The classification of a tetragraph may not be greater than the classification of the document.

### Code Description

For documents that use tetragraphs, this rule verifies that the classification of the tetragraph isn't greater than the classification of the document.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00359">
  <sch:rule id="ISM-ID-00359-R1" context="*[@ism:resourceElement=true()][1]">
    <sch:let name="documentClassification" value="@ism:classification"/>
    <sch:let name="moreRestrictiveTetras"
      value="for $tetra in $tetras return if ($catt//catt:Tetragraph[catt:TetraToken=$tetra]/@ism:classification != $documentClassification) then (if
($documentClassification = 'TS') then null else if ($catt//catt:Tetragraph[catt:TetraToken=$tetra]/@ism:classification = 'TS') then $tetra else if ($documentClassification = 'U') then $tetra
else if ($documentClassification = 'C' and $catt//catt:Tetragraph[catt:TetraToken=$tetra]/@ism:classification = 'S') then $tetra else if ($documentClassification = 'R' and ($catt//
catt:Tetragraph[catt:TetraToken=$tetra]/@ism:classification = 'C' or $catt//catt:Tetragraph[catt:TetraToken=$tetra]/@ism:classification = 'S')) then $tetra else null ) else null"/>
    <sch:assert test="empty($moreRestrictiveTetras)" flag="error" role="error">[ISM-ID-00359][Error] A document using tetragraphs may not have a classification that is
greater than the classification of the document. The following tetragraphs have a more restrictive classification than the document:
    <sch:value-of select="string-join($moreRestrictiveTetras, ', ')" />.
  </sch:assert>
  <sch:assert test="exists($catt//catt:Tetragraphs)" flag="error" role="error">ISM CAT Taxonomy does not exist!</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.248 - ../Rules/general/ISM\_ID\_00360.sch

### Rule Description

[ISM-ID-00360][Error] An UNCLASSIFIED//FOUO tetragraph may not be used in a UNCLASSIFIED document that is not also FOUO.

### Code Description

For documents that use tetragraphs, this rule verifies that if a tetragraph is UNCLASSIFIED//FOUO, and the document is UNCLASSIFIED, then the document must also be FOUO.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00360">
  <sch:rule id="ISM-ID-00360-R1" context="*[@ism:resourceElement=true()][1]">
    <sch:let name="documentClassification" value="@ism:classification"/>
    <sch:let name="documentIsFOUO"
      value="some $dissem in tokenize(@ism:disseminationControls, ' ') satisfies $dissem eq 'FOUO'"/>
    <sch:let name="tetrasWithFOUO"
      value="distinct-values(for $value in $tetras return if($catt//catt:Tetragraph[catt:TetraToken=$value]/@ism:ownerProducer and (some $dissem in tokenize($catt//
catt:Tetragraph[catt:TetraToken=$value]/@ism:disseminationControls, ' ') satisfies $dissem eq 'FOUO')) then $value else null)"/>
    <sch:assert test="not($documentClassification = 'U' and not($documentIsFOUO) and not(empty($tetrasWithFOUO)))"
      flag="error"
      role="error">[ISM-ID-00360][Error] An UNCLASSIFIED document may not use FOUO tetragraphs unless the document is also FOUO. The following tetragraphs are
UNCLASSIFIED//FOUO:
    <sch:value-of select="string-join($tetrasWithFOUO, ', ')">. Document classification:
    <sch:value-of select="$documentClassification">Document is FOUO:
    <sch:value-of select="$documentIsFOUO"/>
    </sch:assert>
    <sch:assert test="exists($catt//catt:Tetragraphs)" flag="error" role="error">ISM CAT Taxonomy does not exist!</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.249 - ../Rules/USGov/ISM\_ID\_00361.sch

### Rule Description

[ISM-ID-00361][Error] All @ism:hasApproximateMarkings attributes must be of type Boolean.

### Code Description

For all elements which contain an @ism:hasApproximateMarkings attribute, this rule ensures that the hasApproximateMarkings value matches the pattern defined for type Boolean.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00361">
  <sch:rule id="ISM-ID-00361-R1" context="*[@ism:hasApproximateMarkings]">
    <sch:assert test="util:meetsType(@ism:hasApproximateMarkings, $BooleanPattern)"
      flag="error"
      role="error">[ISM-ID-00361][Error] All @ism:hasApproximateMarkings attributes values must be of type Boolean.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.250 - ../Rules/USGov/ISM\_ID\_00362.sch

### Rule Description

[ISM-ID-00362][Error] HCS-P-subcs cannot be used with OC-USGOV.

### Code Description

When OC-USGOV @ism:disseminationControls is used, tokens matching the regular expression HCS-P-[A-Z0-9]{1,6} cannot be in @ism:SCIcontrols.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00362">
  <sch:rule id="ISM-ID-00362-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC-USGOV')) and @ism:SCIcontrols]">
    <sch:assert test="not(util:getStringFromSequenceWithOnlyRegexValues(@ism:SCIcontrols, 'HCS-P-[A-Z0-9]{1,6}'))"
      flag="error"
      role="error">[ISM-ID-00362][Error] HCS-P-subcs cannot be used with OC-USGOV.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.251 - ../Rules/USGov/ISM\_ID\_00363.sch

### Rule Description

[ISM-ID-00363][Error] HCS-O cannot be used with OC-USGOV.

### Code Description

When OC-USGOV @ism:disseminationControls is used, HCS-O cannot be in @ism:SCIcontrols.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00363">
  <sch:rule id="ISM-ID-00363-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC-USGOV')) and @ism:SCIcontrols]">
    <sch:assert test="not(util:containsAnyOfTheTokens(@ism:SCIcontrols, ('HCS-O')))"
      flag="error"
      role="error">[ISM-ID-00363][Error] HCS-O cannot be used with OC-USGOV.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.252 - ../Rules/USGov/ISM\_ID\_00364.sch

### Rule Description

[ISM-ID-00364][Error] If an ISM\_USGOV\_RESOURCE has a value in @ism:compilationReason and @ism:noAggregation is present, @ism:noAggregation must be false.

### Code Description

If an ISM\_USGOV\_RESOURCE has a value in @ism:compilationReason and @ism:noAggregation is present, @ism:noAggregation must be false.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00364">
  <sch:rule id="ISM-ID-00364-R1"
    context="*[$ISM_USGOV_RESOURCE and string-length(normalize-space(@ism:compilationReason)) > 0 and string-length(normalize-space(@ism:noAggregation)) > 0]">
    <sch:assert test="@ism:noAggregation = false()" flag="error" role="error">[ISM-ID-00364][Error] If an ISM_USGOV_RESOURCE has a value in @ism:compilationReason and
@ism:noAggregation is present, @ism:noAggregation must be false.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.253 - ../Rules/USGov/ISM\_ID\_00365.sch

### Rule Description

[ISM-ID-00365][Error] All @ism:noAggregation attributes must be of type Boolean.

### Code Description

For all elements which contain an @ism:noAggregation attribute, this rule ensures that the noAggregation value matches the pattern defined for type Boolean.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00365">
  <sch:rule id="ISM-ID-00365-R1" context="*[@ism:noAggregation]">
    <sch:assert test="util:meetsType(@ism:noAggregation, $BooleanPattern)"
      flag="error"
      role="error">[ISM-ID-00365][Error] All @ism:noAggregation attributes must be of type Boolean.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.254 - ../Rules/USGov/ISM\_ID\_00367.sch

### Rule Description

[ISM-ID-00367][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:derivedFrom is specified, then attribute @ism:classifiedBy must not be specified. Human Readable: USA documents that specify a derivative classifier must not also include information related to Original Classification Authorities (classificationReason and classifiedBy).

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:derivativelyClassifiedBy this rule ensures that attribute @ism:classificationReason or @ism:classifiedBy is NOT specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00367">
  <sch:rule id="ISM-ID-00367-R1"
    context="*[$ISM_USGOV_RESOURCE and @ism:derivedFrom]">
    <sch:assert test="not(@ism:classifiedBy)" flag="error" role="error">[ISM-ID-00367][Error] If ISM_USGOV_RESOURCE and attribute @ism:derivedFrom is specified, then
attribute @ism:classifiedBy must not be specified. Human Readable: USA documents that specify a derivative classifier must not also include information related to Original Classification
Authorities (classificationReason and classifiedBy).</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.255 - ../Rules/USGov/ISM\_ID\_00368.sch

### Rule Description

[ISM-ID-00368][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains the name token [TK-BLFH], then attribute @ism:classification must have a value of [TS]. Human Readable: A USA document containing TALENT KEYHOLE (TK) -BLUEFISH compartment data must be classified TOP SECRET.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing the token [TK-BLFH] this rule ensures that attribute @ism:classification is specified with a value containing the token [TS].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00368">
  <sch:rule id="ISM-ID-00368-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('TK-BLFH'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS'))"
      flag="error"
      role="error">[ISM-ID-00368][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [TK-BLFH], then attribute
@ism:classification must have a value of [TS]. Human Readable: A USA document containing TALENT KEYHOLE (TK) -BLUEFISH compartment data must be classified TOP SECRET.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.256 - ../Rules/USGov/ISM\_ID\_00369.sch

### Rule Description

[ISM-ID-00369][Error] If ISM\_USGOV\_RESOURCE and @ism:attribute SCIcontrols contains the name token [TK-BLFH], then attribute @ism:disseminationControls must contain the name token [NF]. Human Readable: A USA document containing TALENT KEYHOLE (TK) -BLUEFISH compartment data must also be marked for NO FOREIGN dissemination.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing the token [TK-BLFH] this rule ensures that attribute @ism:disseminationControls is specified with a value containing the token [NF].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00369">
  <sch:rule id="ISM-ID-00369-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('TK-BLFH'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
      flag="error"
      role="error">[ISM-ID-00369][Error] If ISM_USGOV_RESOURCE and @ism:attribute SCIcontrols contains the name token [TK-BLFH], then attribute
@ism:disseminationControls must contain the name token [NF]. Human Readable: A USA document containing TALENT KEYHOLE (TK) -BLUEFISH compartment data must also be marked for NO FOREIGN
dissemination.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.257 - ../Rules/USGov/ISM\_ID\_00370.sch

### Rule Description

[ISM-ID-00370][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains the name token [TK-IDIT], then attribute @ism:disseminationControls must contain the name token [NF]. Human Readable: A USA document containing TALENT KEYHOLE (TK) -IDITAROD compartment data must also be marked for NO FOREIGN dissemination.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing the token [TK-IDIT] this rule ensures that attribute @ism:disseminationControls is specified with a value containing the token [NF].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00370">
  <sch:rule id="ISM-ID-00370-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('TK-IDIT'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
      flag="error"
      role="error">[ISM-ID-00370][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [TK-IDIT], then attribute
@ism:disseminationControls must contain the name token [NF]. Human Readable: A USA document containing TALENT KEYHOLE (TK) -IDITAROD compartment data must also be marked for NO FOREIGN
dissemination.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.258 - ../Rules/USGov/ISM\_ID\_00371.sch

### Rule Description

[ISM-ID-00371][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains the name token [TK-KAND], then attribute @ism:disseminationControls must contain the name token [NF]. Human Readable: A USA document containing TALENT KEYHOLE (TK) -KANDIK compartment data must also be marked for NO FOREIGN dissemination.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing the token [TK-KAND] this rule ensures that attribute @ism:disseminationControls is specified with a value containing the token [NF].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00371">
  <sch:rule id="ISM-ID-00371-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('TK-KAND'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
      flag="error"
      role="error">[ISM-ID-00371][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [TK-KAND], then attribute
@ism:disseminationControls must contain the name token [NF]. Human Readable: A USA document containing TALENT KEYHOLE (TK) -KANDIK compartment data must also be marked for NO FOREIGN
dissemination.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.259 - ../Rules/USGov/ISM\_ID\_00372.sch

### Rule Description

[ISM-ID-00372][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:nonICmarkings contains the name token [LES-NF] or [SBU-NF], then attribute @ism:disseminationControls must not contain the name token [NF], [REL], [EYES], [RELIDO], or [DISPLAYONLY]. Human Readable: LES-NF and SBU-NF are incompatible with other Foreign Disclosure and Release markings.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:nonICmarkings with a value containing the token [LES-NF] or [SBU-NF] this rule ensures that attribute @ism:disseminationControls is not specified with a value containing the token [NF], [REL], [EYES], [RELIDO], or [DISPLAYONLY].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00372">
  <sch:rule id="ISM-ID-00372-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:nonICmarkings, ('LES-NF','SBU-NF'))]">
    <sch:assert test="not(util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF','REL','EYES','RELIDO','DISPLAYONLY')))"
      flag="error"
      role="error">[ISM-ID-00372][Error] If ISM_USGOV_RESOURCE and attribute @ism:nonICmarkings contains the name token [LES-NF] or [SBU-NF], then attribute
@ism:disseminationControls must not contain the name token [NF], [REL], [EYES], [RELIDO], or [DISPLAYONLY]. Human Readable: LES-NF and SBU-NF are incompatible with other Foreign Disclosure and
Release markings.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.260 - ../Rules/USGov/ISM\_ID\_00373.sch

### Rule Description

[ISM-ID-00373][Error] If ISM\_USGOV\_RESOURCE and any element in the document: 1. Meets ISM\_CONTRIBUTES AND 2. Has the attribute @ism:nonICmarkings containing [SSI] Then the ISM\_RESOURCE\_ELEMENT must have @ism:nonICmarkings containing [SSI]. Human Readable: USA documents having SSI Data must have SSI at the resource level.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM\_RESOURCE\_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00373" is-a="AttributeContributesToRollup">
  <sch:param name="attrLocalName" value="nonICmarkings"/>
  <sch:param name="value" value="SSI"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00373][Error] USA documents having SSI Data must have SSI at the resource level.'"/>
</sch:pattern>
```

## 11.261 - ../Rules/USGov/ISM\_ID\_00374.sch

### Rule Description

[ISM-ID-00374][Error] If ISM\_USGOV\_RESOURCE and @ism:nonICmarkings contains 'SSI' on the ISM\_RESOURCE\_ELEMENT with no compilation reason then the token 'SSI' must exist in an @ism:nonICmarkings attribute on at least one portion. Human Readable: If @ism:nonICmarkings contains 'SSI' at the resource level, it must be found in a contributing portion of the document unless there is a compilation reason of the exception.

### Code Description

If ISM\_USGOV\_RESOURCE and attribute @ism:nonICmarkings contains 'SSI' on the ISM\_RESOURCE\_ELEMENT and attribute @ism:compilationReason does not have a value, then this rule ensures that at least one element meeting ISM\_CONTRIBUTES has attribute @ism:nonICmarkings containing 'SSI'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00374">
  <sch:rule id="ISM-ID-00374-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:nonICmarkings, ('SSI')) and string-length(normalize-space(@ism:compilationReason)) = 0]">
    <sch:assert test="some $ele in $partTags satisfies util:containsAnyOfTheTokens($ele/@ism:nonICmarkings, ('SSI'))"
      flag="error"
      role="error">[ISM-ID-00374][Error] If ISM_USGOV_RESOURCE and @ism:nonICmarkings contains 'SSI' on the ISM_RESOURCE_ELEMENT with no compilation reason then
the token 'SSI' must exist in an @ism:nonICmarkings attribute on at least one portion. Human Readable: If @ism:nonICmarkings contains 'SSI' at the resource level, it must be found in a
contributing portion of the document unless there is a compilation reason of the exception.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.262 - ../Rules/general/ISM\_ID\_00375.sch

### Rule Description

[ISM-ID-00375][Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'ISM-CAT' that is version '2022-NOV' (Version:2022-NOV) or later. NOTE: This is not an error of the instance document but of the validation environment itself.

### Code Description

This rule uses an abstract pattern to consolidate logic. It verifies that the validation infrastructure is using the version specified in parameters.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="INFRASTRUCTURE"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00375" is-a="ValidateValidationEnvCVE">
  <sch:param name="MinVersion" value="'202211'"/>
  <sch:param name="SpecToCheck" value="'ISM-CAT'"/>
  <sch:param name="pathToDocument"
    value="'../..../CVE/ISM-CAT/CVEnumISM-CAT-Tetragraph.xml'"/>
  <sch:param name="RuleID" value="'ISM-ID-00375'"/>
</sch:pattern>
```

## 11.263 - ../Rules/general/ISM\_ID\_00376.sch

### Rule Description

[ISM-ID-00376][Error] A portion using tetragraphs may not have a releasableTo that is less restrictive than the releasability of any tetragraph or organization tokens used in the same portion's releasableTo, displayOnlyTo, FGIsorceOpen, or FGIsorceProtected attributes. If a tetragraph XXXX in any of the attributes ownerProducer, releasableTo, displayOnlyTo, FGIsorceOpen, or FGIsorceProtected is itself marked as ism:releasableTo in the Tetragraph Taxonomy, then see if all the countries that the portion is releasableTo are also countries that the tetragraph XXXX is releasableTo. If not, error.

### Code Description

Determine the set of releasableTo countries by determining, for each token in releasableTo, if it is a country code or tetragraph. If it is a tetragraph get the membership from ISMCAT Taxonomy and add the membership to the variable releasableToCountries; otherwise, add the token to the variable releasableToCountries. Then get the list of tetragraphs that appear in any of the attributes @ism:ownerProducer, @ism:releasableTo, @ism:displayOnlyTo, @ism:FGIsorceOpen, or @ism:FGIsorceProtected and put that list into the variable myTetras. Then determine if any of the tetragraph tokens in myTetras have releasability restrictions themselves. If so, add those tetragraphs to the variable tetrasWithReleasableTo. Finally, determine if the releasability of any of the tetragraph tokens in tetrasWithReleasableTo is more restrictive than the releasability of the portion, and if so, trigger the error message.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00376">
  <sch:rule id="ISM-ID-00376-R1" context="*[@ism:ownerProducer]">
    <sch:let name="releasableToCountries"
      value="distinct-values(for $value in tokenize(normalize-space(@ism:releasableTo),' ') return if(index-of($catt//catt:TetraToken,$value)>0) then
util:tokenize(util:getTetragraphMembership($value)) else $value)"/>
    <sch:let name="myTetras"
      value="for $value in distinct-values(for $each in distinct-values((@ism:ownerProducer | @ism:releasableTo | @ism:displayOnlyTo | @ism:FGIsorceOpen |
@ism:FGIsorceProtected)) return util:tokenize($each)) return if ($catt//catt:Tetragraph[catt:TetraToken=$value]) then $value else null"/>
    <sch:let name="tetrasWithReleasableTo"
      value="distinct-values(for $value in $myTetras return if($catt//catt:Tetragraph[catt:TetraToken=$value]/catt:TetraToken/@ism:releasableTo) then $value else
null)"/>
    <sch:let name="moreRestrictiveTetras"
      value="for $tetra in $tetrasWithReleasableTo return if (every $value in $releasableToCountries satisfies index-of(distinct-
values(util:tokenize(util:getTetragraphReleasability($tetra)), $value)>0) then null else $tetra"/>
    <sch:assert test="empty($moreRestrictiveTetras)" flag="error" role="error">[ISM-ID-00376][Error] A portion using tetragraphs may not have a releasableTo that is less
restrictive than the releasability of any tetragraph or organization tokens used in the same portion's releasableTo, displayOnlyTo, FGIsorceOpen, or FGIsorceProtected attributes. If a
tetragraph XXXX in any of the attributes ownerProducer, releasableTo, displayOnlyTo, FGIsorceOpen, or FGIsorceProtected is itself marked as ism:releasableTo in the Tetragraph Taxonomy, then
see if all the countries that the portion is releasableTo are also countries that the tetragraph XXXX is releasableTo. If not, error. The following tetragraphs have a more restrictive
releasability than the portion:
    <sch:value-of select="string-join($moreRestrictiveTetras, ', ')" />
    </sch:assert>
    <sch:assert test="exists($catt//catt:Tetragraphs)" flag="error" role="error">ISMCAT Taxonomy does not exist!</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.264 - ../Rules/general/ISM\_ID\_00377.sch

### Rule Description

[ISM-ID-00377][Error] All @ism:ownerProducer values in a JOINT document must be in the @ism:releasableTo attribute.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00377" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context" value="*[@ism:ownerProducer and @ism:joint=true()]" />
  <sch:param name="searchTermList"
    value="normalize-space(string-join(util:decomposeTetragraphs(string(./@ism:ownerProducer)), ' '))" />
  <sch:param name="list"
    value="tokenize(normalize-space(string-join(util:decomposeTetragraphs(string(@ism:releasableTo)), ' ')), ' ')" />
  <sch:param name="errMsg"
    value="' [ISM-ID-00377][Error] All @ism:ownerProducer values in a JOINT document must be in the ism:releasableTo attribute'" />
</sch:pattern>
```

## 11.265 - ../Rules/general/ISM\_ID\_00378.sch

### Rule Description

[ISM-ID-00378][Error] All joint attributes must be of type Boolean.

### Code Description

For all elements which contain a @ism:joint attribute, this rule ensures that the joint value matches the pattern defined for type Boolean.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00378">
  <sch:rule id="ISM-ID-00378-R1" context="*[@ism:joint]">
    <sch:assert test="util:meetsType(@ism:joint, $BooleanPattern)"
      flag="error"
      role="error">[ISM-ID-00378][Error] All joint attributes values must be of type Boolean.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.266 - ../Rules/USGov/ISM\_ID\_00379.sch

### Rule Description

[ISM-ID-00379][Error] All ISM @ism:declassDate attributes must be a Date without a timezone.

### Code Description

For all elements which contain a @ism:declassDate attribute, this rule ensures that the declassDate value matches the pattern defined for type Date without timezone information. The value must conform to the Regex '[0-9]{4}-[0-9]{2}-[0-9]{2}\$'

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00379">
  <sch:rule id="ISM-ID-00379-R1" context="*[@ism:declassDate]">
    <sch:assert test="util:meetsType(@ism:declassDate, $DatePattern)"
      flag="error"
      role="error">[ISM-ID-00379][Error] All @ism:declassDate attribute values must be of type Date.</sch:assert>
    <sch:assert test="matches(string(@ism:declassDate), '[0-9]{4}-[0-9]{2}-[0-9]{2}$')"
      flag="error"
      role="error">[ISM-ID-00379][Error] All @ism:declassDate attribute values must not have any timezone information specified.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.267 - ../Rules/USGov/ISM\_ID\_00380.sch

### Rule Description

[ISM-ID-00380][Error] All ISM @ism:noticeDate attributes must be a Date without a timezone.

### Code Description

For all elements which contain a @ism:noticeDate attribute, this rule ensures that the noticeDate value matches the pattern defined for type Date without timezone information. The value must conform to the Regex '[0-9]{4}-[0-9]{2}-[0-9]{2}\$'

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00380">
  <sch:rule id="ISM-ID-00380-R1" context="*[@ism:noticeDate]">
    <sch:assert test="util:meetsType(string(@ism:noticeDate), $DatePattern)"
      flag="error"
      role="error">[ISM-ID-00380][Error] All @ism:noticeDate attribute values must be of type Date.</sch:assert>
    <sch:assert test="matches(@ism:noticeDate, '[0-9]{4}-[0-9]{2}-[0-9]{2}$')"
      flag="error"
      role="error">[ISM-ID-00380][Error] All @ism:noticeDate attribute values must not have any timezone information specified.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.268 - ../Rules/general/ISM\_ID\_00381.sch

### Rule Description

[ISM-ID-00381][Error] 1. @ism:compliesWith of resource element contains USIC or USDOD 2. @ism:compliesWith must also contain USGov

### Code Description

If the resource element contains @ism:compliesWith of either USIC or USDOD, then @ism:compliesWith must also contain USGov.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00381">
  <sch:rule id="ISM-ID-00381-R1"
    context="*[ generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:compliesWith, ('USIC','USDOD'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:compliesWith, ('USGov'))"
      flag="error"
      role="error">[ISM-ID-00381][Error] 1. @ism:compliesWith of resource element contains USIC or USDOD 2. @ism:compliesWith must also contain USGov Human
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

Readable: All documents that contain USIC or USDOD in @ism:compliesWith of the first resource node (in document order) must also contain USGov in @ism:compliesWith

## 11.269 - ../Rules/general/ISM\_ID\_00382.sch

### Rule Description

[ISM-ID-00382][Error] For all elements with single-valued @ism:ownerProducer, @ism:joint must NOT be true.

### Code Description

For all elements whose count of @ism:ownerProducer token values is equal to 1, @ism:joint must NOT be set to true.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00382">
  <sch:rule context="*[count(tokenize(normalize-space(string(@ism:ownerProducer)), ' ') = 1]">
    <sch:assert test="not(@ism:joint=true())" flag="error" role="error">[ISM-ID-00382][Error] For all elements with single-valued @ism:ownerProducer, @ism:joint must NOT be
true.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.270 - ../Rules/general/ISM\_ID\_00383.sch

### Rule Description

[ISM-ID-00383][Error] For elements with @ism:joint set to true, one of the values of @ism:ownerProducer must be USA.

### Code Description

For elements with @ism:joint set to true, one of the values of @ism:ownerProducer must be USA.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00383">
  <sch:rule context="*[@ism:joint=true()]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:ownerProducer, ('USA'))"
      flag="error"
      role="error">[ISM-ID-00383][Error] For elements with @ism:joint set to true, one of the values of @ism:ownerProducer must be USA.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.271 - ../Rules/USGov/ISM\_ID\_00384.sch

### Rule Description

[ISM-ID-00384][Error] If ISM\_USGOV\_RESOURCE and: 1. Any element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [RS] AND 2. No element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:noticeType containing [RSEN, IMCON\_RSEN] and does not have attribute @ism:externalNotice with a value of [true] Human Readable: USA documents containing RS data must also have a non-external RSEN or IMCON\_RSEN notice.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE, for each element which meets ISM\_CONTRIBUTES and specifies attribute @ism:disseminationControls with a value containing the token [RS], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:noticeType with a value containing the token [RSEN, IMCON\_RSEN] and does not specify attribute @ism:externalNotice with a value of [true].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00384" is-a="DataHasCorrespondingNotice">
  <sch:param name="ruleId" value="'ISM-ID-00384'"/>
  <sch:param name="attrName" value="'disseminationControls'"/>
  <sch:param name="attrValue" value="@ism:disseminationControls"/>
  <sch:param name="noticeType" value="'RSEN', 'IMCON_RSEN'"/>
  <sch:param name="dataType" value="'RS'"/>
</sch:pattern>
```

## 11.272 - ../Rules/USGov/ISM\_ID\_00385.sch

### Rule Description

[ISM-ID-00385][Error] Attribute @ism:declassEvent requires use of attribute @ism:declassDate.

### Code Description

CFR policies require that @ism:declassDate accompany @ism:declassEvent. Set context to any element containing @ism:declassEvent attribute. Test if that element also has @ism:declassDate.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00385">
  <sch:rule id="ISM-ID-00385-R1" context="*[@ism:declassEvent]">
    <sch:assert test=".[@ism:declassDate]" flag="error" role="error">[ISM-ID-00385][Error]Attribute @ism:declassEvent requires use of attribute @ism:declassDate.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.273 - ../Rules/USGov/ISM\_ID\_00386.sch

### Rule Description

[ISM-ID-00386][Error] If ISM\_USGOV\_RESOURCE and: 1. Any element meeting ISM\_CONTRIBUTES in the document has the attribute SCIcontrols containing TK compartments AND 2. No element meeting ISM\_CONTRIBUTES in the document has the attribute noticeType containing [GEOCAP] and does not have attribute externalNotice with a value of [true] Human Readable: USA documents containing TK compartment data must also have a non-external GEOCAP notice.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE, for each element which meets ISM\_CONTRIBUTES and specifies attribute ism:SCIcontrols with a value containing the token regex [TK-\*], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute ism:noticeType with a value containing the token [GEOCAP] and does not specify attribute ism:externalNotice with a value of [true].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00386" is-a="DataHasCorrespondingNoticeWithRegex">
  <sch:param name="ruleId" value="'ISM-ID-00386'"/>
  <sch:param name="attrName" value="'SCIcontrols'"/>
  <sch:param name="attrValue" value="@ism:SCIcontrols"/>
  <sch:param name="noticeType" value="'GEOCAP'"/>
  <sch:param name="dataTypeRegex" value="'TK-.*'"/>
</sch:pattern>
```

## 11.274 - ../Rules/USGov/ISM\_ID\_00387.sch

### Rule Description

[ISM-ID-00387][Error] If ISM\_USGOV\_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:SCIcontrols containing TK compartments AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [GEOCAP] and does not specify attribute @ism:externalNotice with a value of [true]. Human Readable: USA documents containing a non-external GEOCAP notice must also have TK compartment data.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and any element meets ISM\_CONTRIBUTES and specifies attribute @ism:noticeType with a value containing the token [GEOCAP] and does not specify attribute @ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:SCIcontrols with a value containing the token regex [TK-.\*].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00387" is-a="NoticeHasCorrespondingDataWithRegex">
  <sch:param name="ruleId" value="'ISM-ID-00387'"/>
  <sch:param name="attrName" value="'SCIcontrols'"/>
  <sch:param name="attrValue" value="@ism:SCIcontrols"/>
  <sch:param name="dataTypeRegex" value="'TK-.*'"/>
  <sch:param name="noticeType" value="'GEOCAP'"/>
  <sch:param name="dataTokenList" value="$partSCIcontrols_tok"/>
</sch:pattern>
```

## 11.275 - ../Rules/USGov/ISM\_ID\_00388.sch

### Rule Description

[ISM-ID-00388][Error] If ISM\_USGOV\_RESOURCE and @ism:attribute SCIcontrols contains a token matching containing a "-" then it must also contain the token before the "-". This is to ensure all compartments specify the control system and all subcompartments specify the compartment. Human Readable: A USA document with a SCI compartment must specify the control system, also a SCI subcompartment must specify the compartment.

### Code Description

If ISM\_USGOV\_RESOURCE and attribute SCIcontrols contains a token matching containing a "-" then it must also contain the token before the "-". This is to ensure all compartments specify the control system and all subcompartments specify the compartment.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00388">
  <sch:rule id="ISM-ID-00388-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:SCIcontrols, ('^.*-[A-Z]'))]">
    <sch:let name="allSCI" value="util:tokenize(@ism:SCIcontrols)"/>
    <sch:assert test="every $token in $allSCI satisfies (not(matches($token,'^.*-[A-Z]')) or (util:containsAnyOfTheTokens(@ism:SCIcontrols, string(util:before-last-delimiter($token,'-')))) )"
      flag="error"
      role="error">[ISM-ID-00388][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains a token containing a "-" then it must also contain the
token before the "-". This is to ensure all compartments specify the control system and all subcompartments specify the compartment. The following token(s) do not meet this criteria (
    <sch:value-of select="for $token in $allSCI return if (not(matches($token,'^.*-[A-Z]')) or (util:containsAnyOfTheTokens(@ism:SCIcontrols, string(util:before-last-delimiter($token,'-')))) ) then null else $token"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.276 - ../Rules/USGov/ISM\_ID\_00389.sch

### Rule Description

[ISM-ID-00389][Error] If ISM\_USGOV\_RESOURCE and any element meeting ISM\_CONTRIBUTES in the document have the attribute @ism:disseminationControls containing [RAWFISA] then the ISM\_RESOURCE\_ELEMENT must have @ism:disseminationControls containing [RAWFISA]. Human Readable: USA documents having RAWFISA Data must have RAWFISA at the resource level.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, this rule ensures that the ISM\_RESOURCE\_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00389" is-a="AttributeContributesToRollup">
  <sch:param name="attrLocalName" value="disseminationControls"/>
  <sch:param name="value" value="RAWFISA"/>
  <sch:param name="errorMessage"
    value="'[ISM-ID-00389][Error] USA documents having RAWFISA Data must have RAWFISA at the resource level.'"/>
</sch:pattern>
```

## 11.277 - ../Rules/USGov/ISM\_ID\_00391.sch

### Rule Description

[ISM-ID-00391][Error] If ISM\_USGOV\_RESOURCE and: 1. Any element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:disseminationControls containing [RAWFISA] AND 2. No element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:noticeType containing [RAWFISA] and does not have attribute @ism:externalNotice with a value of [true] Human Readable: USA documents containing RAWFISA data must also have a non-external RAWFISA notice.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE, for each element which meets ISM\_CONTRIBUTES and specifies attribute @ism:disseminationControls with a value containing the token [RAWFISA], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:noticeType with a value containing the token [RAWFISA] and does not specify attribute @ism:externalNotice with a value of [true].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00391" is-a="DataHasCorrespondingNotice">
  <sch:param name="ruleId" value="'ISM-ID-00391'"/>
  <sch:param name="attrName" value="'disseminationControls'"/>
  <sch:param name="attrValue" value="@ism:disseminationControls"/>
  <sch:param name="noticeType" value="'RAWFISA'"/>
  <sch:param name="dataType" value="'RAWFISA'"/>
</sch:pattern>
```

## 11.278 - ../Rules/USGov/ISM\_ID\_00392.sch

### Rule Description

[ISM-ID-00392][Error] If ISM\_USGOV\_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:disseminationControls containing [RAWFISA] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [RAWFISA] and does not specify attribute @ism:externalNotice with a value of [true]. Human Readable: USA documents containing a non-external RAWFISA notice must also have RAWFISA data.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and any element meets ISM\_CONTRIBUTES and specifies attribute @ism:noticeType with a value containing the token [RAWFISA] and does not specify attribute @ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:disseminationControls with a value containing the token [RAWFISA].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00392" is-a="NoticeHasCorrespondingData">
  <sch:param name="ruleId" value="'ISM-ID-00392'"/>
  <sch:param name="attrName" value="'disseminationControls'"/>
  <sch:param name="dataType" value="'RAWFISA'"/>
  <sch:param name="noticeType" value="'RAWFISA'"/>
  <sch:param name="dataTokenList" value="$partDisseminationControls_tok"/>
</sch:pattern>
```

## 11.279 - ../Rules/USGov/ISM\_ID\_00393.sch

### Rule Description

[ISM-ID-00393][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:disseminationControls contains the name token [RAWFISA], then attribute @ism:classification must have a value of [TS] or [S]. Human Readable: A USA document containing RAWFISA data must be classified SECRET or TOP SECRET.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:disseminationControls with a value containing the token [RAWFISA] this rule ensures that attribute @ism:classification is specified with a value containing the token [TS] or [S].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00393">
  <sch:rule id="ISM-ID-00393-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('RAWFISA'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S'))"
      flag="error"
      role="error">[ISM-ID-00393][Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name token [RAWFISA], then attribute
@ism:classification must have a value of [TS] or [S]. Human Readable: A USA document containing RAWFISA data must be classified SECRET or TOP SECRET.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.280 - ../Rules/USGov/ISM\_ID\_00394.sch

### Rule Description

[ISM-ID-00394][Error] If the ISM\_RESOURCE\_ELEMENT has the "RAWFISA" dissemination control and no compilation reason, then at least one portion must have the "RAWFISA" dissemination control. Human Readable: USA documents marked RAWFISA at the resource level must have RAWFISA data.

### Code Description

For the ISM\_RESOURCE\_ELEMENT with attribute @ism:disseminationControls containing the name token "RAWFISA" and no @ism:compilationReason, then some portion of the document must have @ism:disseminationControls containing the "RAWFISA" token.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00394">
  <sch:rule id="ISM-ID-00394-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:disseminationControls, ('RAWFISA'))
and not(@ism:compilationReason)]">
    <sch:assert test="index-of($partDisseminationControls_tok, 'RAWFISA') > 0"
      flag="error"
      role="error">[ISM-ID-00394][Error] If the ISM_RESOURCE_ELEMENT has the "RAWFISA" dissemination control and no compilation reason, then at least one portion
must have the "RAWFISA" dissemination control. Human Readable: USA documents marked RAWFISA at the resource level must have RAWFISA data.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.281 - ../Rules/USGov/ISM\_ID\_00396.sch

### Rule Description

[ISM-ID-00396][Warning] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains the name token [KLM], then [KLM] SHOULD contain [NF]; ensure you have proper release authority from the KLM program. Human Readable: A USA document containing KLM data is usually NOFORN; ensure you have proper release authority from the KLM program.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing the token [KLM] this rule checks that attribute @ism:disseminationControls is specified with a value containing the token [NF] and gives a WARNING if there is no [NF].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00396">
  <sch:rule id="ISM-ID-00396-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('KLM'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
      flag="warning"
      role="warning">[ISM-ID-00396][Warning] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [KLM], then [KLM] SHOULD contain [NF];
ensure you have proper release authority from the KLM program. Human Readable: A USA document containing KLM data is usually NOFORN; ensure you have proper release authority from the KLM
program.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.282 - ../Rules/USGov/ISM\_ID\_00397.sch

### Rule Description

[ISM-ID-00397][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains a name token that complies with the pattern [KLM-] followed by any alphanumeric string, then attribute @ism:disseminationControls must contain the name token [OC], except for the [KLM-R] compartment which does not require [OC]. Human Readable: A USA document containing a KLM compartment data must be marked for ORIGINATOR CONTROLLED (ORCON) dissemination, except for the KLM-R compartment which does not require ORCON dissemination.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing a token starting with [KLM-], this rule ensures that attribute @ism:disseminationControls is specified with a value containing the token [OC]. The one exception to the requirement for [OC] is the [KLM-R] compartment.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00397">
  <sch:rule id="ISM-ID-00397-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:SCIcontrols, ('^KLM-[A-Z0-9]*$')) and not(util:containsAnyTokenMatching(@ism:SCIcontrols,
    ('^KLM-R$')))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC'))"
      flag="error"
      role="error">[ISM-ID-00397][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains a name token that complies with the pattern [KLM-] followed
    by any alphanumeric string, then attribute @ism:disseminationControls must contain the name token [OC], except for the [KLM-R] compartment which does not require [OC]. Human Readable: A USA
    document containing a KLM compartment data must be marked for ORIGINATOR CONTROLLED (ORCON) dissemination, except for the KLM-R compartment which does not require ORCON dissemination.</
  <sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.283 - ../Rules/USGov/ISM\_ID\_00398.sch

### Rule Description

[ISM-ID-00398][Error] If ISM\_USGOV\_RESOURCE and @ism:attribute SCIcontrols contains a name token that complies with the pattern [KLM-X-Y], where X and Y are any alphanumeric strings of any length, then attribute @ism:disseminationControls must contain the name token [OC]. Human Readable: A USA document with any KLM subcompartments must be marked for ORIGINATOR CONTROLLED (ORCON) dissemination.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing a token following the pattern [KLM-X-Y], where X and Y are any alphanumeric strings of any length, this rule ensures that attribute @ism:disseminationControls is specified with a value containing the token [OC].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00398">
  <sch:rule id="ISM-ID-00398-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:SCIcontrols, ('^KLM-[A-Z0-9]*-[A-Z0-9]*$'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC'))"
      flag="error"
      role="error">[ISM-ID-00398][Error] If ISM_USGOV_RESOURCE and @ism:attribute SCIcontrols contains a name token that complies with the pattern [KLM-X-Y],
where X and Y are any alphanumeric strings of any length, then attribute @ism:disseminationControls must contain the name token [OC]. Human Readable: A USA document with any KLM
subcompartments must be marked for ORIGINATOR CONTROLLED (ORCON) dissemination.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.284 - ../Rules/NTK/general/ISM\_ID\_00399.sch

### Rule Description

[ISM-ID-00399][Error] If a profile DES URN begins with 'urn:us:gov:ic:ntk:', the value must exist in the list of allowed values.

### Code Description

If ProfileDes starts with 'urn:us:gov:ic:ntk', invoke abstract rule ValueExistsInList to check if the value exists in the NTKProfileDes CVE.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00051 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00399" is-a="ValueExistsInList">
  <sch:param name="context"
    value="ntk:ProfileDes[starts-with(., 'urn:us:gov:ic:ntk:')]"/>
  <sch:param name="list" value="$profileDESList"/>
  <sch:param name="errMsg"
    value="'[ISM-ID-00399][Error] Profile DES URNs that start with IC CIO reserved portion must exist in NTKProfileDes CVE.'"/>
</sch:pattern>
```

## 11.285 - ../Rules/NTK/general/ISM\_ID\_00400.sch

### Rule Description

[ISM-ID-00400][Error] The attribute @ntk:externalReference must be set to [true] when ntk:ExternalAccess element is used. Human Readable: If ntk:ExternalAccess element is used, then the attribute @ntk:externalReference must have a value of true.

### Code Description

Make sure the @ntk:externalReference attribute is specified with a value of [true] when the ntk:ExternalAccess element is used.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00007 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00400">
  <sch:rule id="ISM-ID-00400-R1" context="ntk:ExternalAccess">
    <sch:assert test="@ntk:externalReference=true()" flag="error" role="error">[ISM-ID-00400][Error] The attribute @ntk:externalReference must be set to [true] when
ntk:ExternalAccess element is used. Human Readable: If ntk:ExternalAccess element is used, then the attribute @ntk:externalReference must have a value of true.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.286 - ../Rules/NTK/exdis/ISM\_ID\_00401.sch

### Rule Description

[ISM-ID-00401][Error] EXDIS profiles requires ntk:ProfileDes with type agencydissem (urn:us:gov:ic:ntk:profile:agencydissem).

### Code Description

If ntk:AccessPolicy for the ntk:AccessProfile is EXDIS, then the ntk:ProfileDes must be agencydissem.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00050 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00401">
  <sch:rule context="ntk:AccessProfile[ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:xd']"
    id="ISM-ID-00401-R1">
    <sch:assert test="ntk:ProfileDes = 'urn:us:gov:ic:ntk:profile:agencydissem'"
      flag="error"
      role="error">[ISM-ID-00401][Error] EXDIS profiles requires ntk:ProfileDes with type agencydissem (urn:us:gov:ic:ntk:profile:agencydissem).</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.287 - ../Rules/NTK/orcon/ISM\_ID\_00402.sch

### Rule Description

[ISM-ID-00402][Error] ORCON profiles requires ntk:ProfileDes with type agencydissem (urn:us:gov:ic:ntk:profile:agencydissem).

### Code Description

If ntk:AccessPolicy for the ntk:AccessProfile is ORCON, then the ntk:ProfileDes must be agencydissem.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00049 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00402">
  <sch:rule id="ISM-ID-00402-R1"
    context="ntk:AccessProfile[ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:oc']">
    <sch:assert test="ntk:ProfileDes = 'urn:us:gov:ic:ntk:profile:agencydissem'"
      flag="error"
      role="error">[ISM-ID-00402][Error] ORCON profiles requires ntk:ProfileDes with type agencydissem (urn:us:gov:ic:ntk:profile:agencydissem).</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.288 - ../Rules/NTK/MN/ISM\_ID\_00403.sch

### Rule Description

[ISM-ID-00403][Error] Mission Need NTK assertions must use the "datasphere" profile DES.

### Code Description

ntk:AccessProfile elements that have an ntk:AccessPolicy child with the MN value (urn:us:gov:ic:aces:ntk:mn) must have an ntk:ProfileDes with the datasphere value (urn:us:gov:ic:ntk:profile:datasphere).

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00010 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00403">
  <sch:rule id="ISM-ID-00403-R1"
    context="ntk:AccessProfile[ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:mn']/ntk:ProfileDes">
    <sch:assert test=". = 'urn:us:gov:ic:ntk:profile:datasphere'"
      flag="error"
      role="error">[ISM-ID-00403][Error] Mission Need NTK assertions must use the "datasphere" profile DES.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.289 - ../Rules/NTK/MN/ISM\_ID\_00404.sch

### Rule Description

[ISM-ID-00404][Error] The Access Profile Value for MN NTK assertions must use the appropriate subject or region vocabulary.

### Code Description

Given an MN NTK assertion (ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:mn'), the ntk:AccessProfileValue elements @ntk:vocabulary attribute must be either 'datasphere:mn:issue' or 'datasphere:mn:region'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00011 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00404">
  <sch:rule id="ISM-ID-00404-R1"
    context="ntk:AccessProfile[ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:mn']/ntk:AccessProfileValue">
    <sch:assert test="@ntk:vocabulary = 'datasphere:mn:issue' or @ntk:vocabulary = 'datasphere:mn:region'"
      flag="error"
      role="error">[ISM-ID-00404][Error] The Access Profile Value for MN NTK assertions must use the appropriate subject or region vocabulary.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.290 - ../Rules/NTK/MN/ISM\_ID\_00405.sch

### Rule Description

[ISM-ID-00405][Error] The Access Profile Value must not have an @ntk:qualifier attribute specified for MN NTK assertions.

### Code Description

Given an MN NTK assertion (ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:mn'), the ntk:AccessProfileValue/@ntk:qualifier attribute is not allowed.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="STRUCTURECHECK"?>
<!-- Original rule id: NTK-ID-00012 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00405">
  <sch:rule id="ISM-ID-00405-R1"
    context="ntk:AccessProfile[ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:mn']/ntk:AccessProfileValue">
    <sch:assert test="not(@ntk:qualifier)" flag="error" role="error">[ISM-ID-00405][Error] The Access Profile Value must not have an @ntk:qualifier attribute specified for
MN NTK assertions.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.291 - ../Rules/NTK/MN/ISM\_ID\_00406.sch

### Rule Description

[ISM-ID-00406][Error] If Vocabulary Type is specified in an MN NTK assertion, it must specify a version for either the issue (datasphere:mn:issue) or region (datasphere:mn:region) vocabularies.

### Code Description

If an ntk:VocabularyType element exists in an MN NTK assertion (ntk:VocabularyType[../ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:mn']), then (1) @ntk:name must be 'datasphere:mn:issue' or 'datasphere:mn:region' and (2) the @ntk:sourceVersion attribute is required.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="STRUCTURECHECK VALUECHECK"?>
<!-- Original rule id: NTK-ID-00013 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00406">
  <sch:rule id="ISM-ID-00406-R1"
    context="ntk:AccessProfile[ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:mn']/ntk:VocabularyType">
    <sch:assert test="@ntk:sourceVersion" flag="error" role="error">[ISM-ID-00406][Error] The @ntk:sourceVersion attribute is required.</sch:assert>
    <sch:assert test="@ntk:name = 'datasphere:mn:issue' or @ntk:name = 'datasphere:mn:region'"
      flag="error"
      role="error">[ISM-ID-00406][Error] The name attribute must be 'datasphere:mn:issue' or 'datasphere:mn:region'.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.292 - ../Rules/NTK/propin/ISM\_ID\_00407.sch

### Rule Description

[ISM-ID-00407][Error] For group-based PROPIN NTK assertions that contain ntk:ProfileDes elements, ntk:ProfileDes must specify the URN for Profile DES type: 'grp-ind'.

### Code Description

The value of ntk:ProfileDes element in a PROPIN NTK assertion (the ntk:AccessPolicy value starts with 'urn:us:gov:ic:ntk:propin:') must be 'urn:us:gov:ic:ntk:profile:grp-ind'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00014 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00407">
  <sch:rule id="ISM-ID-00407-R1"
    context="ntk:AccessProfile[matches(ntk:AccessPolicy, '^urn:us:gov:ic:aces:ntk:propin:[1-2]$')]/ntk:ProfileDes">
    <sch:assert test=". = 'urn:us:gov:ic:ntk:profile:grp-ind'"
      flag="error"
      role="error">[ISM-ID-00407][Error] For group-based PROPIN NTK assertions that contain ntk:ProfileDes elements, ntk:ProfileDes must specify the URN for
Profile DES type: 'grp-ind'.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.293 - ../Rules/NTK/propin/ISM\_ID\_00408.sch

### Rule Description

[ISM-ID-00408][Error] Propin NTK assertions that use the urn:us:gov:ic:aces:ntk:propin:2 access policy MUST specify a Profile DES.

### Code Description

If an ntk:AccessProfile has an ntk:AccessPolicy element that has a value of 'urn:us:gov:ic:aces:ntk:propin:2', then an ntk:ProfileDes MUST be specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="STRUCTURECHECK"?>
<!-- Original rule id: NTK-ID-00015 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00408">
  <sch:rule id="ISM-ID-00408-R1"
    context="ntk:AccessProfile[ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:propin:2']">
    <sch:assert test="ntk:ProfileDes" flag="error" role="error">[ISM-ID-00408][Error] NTK assertions that use the 'urn:us:gov:ic:aces:ntk:propin:2' access policy MUST
specify an ntk:ProfileDes element.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.294 - ../Rules/NTK/grp-ind/ISM\_ID\_00409.sch

### Rule Description

[ISM-ID-00409][Error] Grp-ind Profile NTK assertions must use appropriate 'group' and 'individual' vocabularies for vocabulary type definitions.

### Code Description

For NTK assertions that use the 'urn:us:gov:ic:ntk:profile:grp-ind' profile DES, ntk:VocabularyType/@name must start with 'group:' or 'individual:'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00016 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00409">
  <sch:rule id="ISM-ID-00409-R1"
    context="ntk:AccessProfile[ntk:ProfileDes = 'urn:us:gov:ic:ntk:profile:grp-ind']/ntk:VocabularyType">
    <sch:assert test="starts-with(@ntk:name, 'group:') or starts-with(@ntk:name, 'individual:')"
      flag="error"
      role="error">[ISM-ID-00409][Error] The @ntk:name attribute must start with either 'group:' or 'individual:'.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.295 - ../Rules/NTK/grp-ind/ISM\_ID\_00410.sch

### Rule Description

[ISM-ID-00410][Error] Grp-ind Profile NTK assertions must use appropriate 'group' and 'individual' vocabularies for access profile values.

### Code Description

For NTK assertions that use the 'urn:us:gov:ic:ntk:profile:grp-ind' profile DES, ntk:AccessProfileValue/@ntk:vocabulary must start with 'group:' or 'individual:'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00017 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00410">
  <sch:rule id="ISM-ID-00410-R1"
    context="ntk:AccessProfile[ntk:ProfileDes = 'urn:us:gov:ic:ntk:profile:grp-ind']/ntk:AccessProfileValue">
    <sch:assert test="starts-with(@ntk:vocabulary, 'group:') or starts-with(@ntk:vocabulary, 'individual:')"
      flag="error"
      role="error">[ISM-ID-00410][Error] The @ntk:vocabulary attribute must start with 'group:' or 'individual:'.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.296 - ../Rules/NTK/general/ISM\_ID\_00411.sch

### Rule Description

[ISM-ID-00411][Error] Vocabulary declarations must have a root from one of the built-in types of 'datasphere', 'organization', 'individual', 'group', or 'role'. Declaration of custom root types are not permitted.

### Code Description

For all ntk:VocabularyType names, ensure that they are all linked to a built-in root vocabulary type.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00018 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00411">
  <sch:rule id="ISM-ID-00411-R1" context="ntk:VocabularyType[@ntk:name]">
    <sch:let name="root" value="substring-before(@ntk:name,':')"/>
    <sch:assert test="string-length($root)>0" flag="error" role="error">[ISM-ID-00411][Error] Vocabulary declarations must have a root from one of the built-in types of
'datasphere', 'organization', 'individual', 'group', or 'role'. Declaration of custom root types are not permitted.</sch:assert>
    <sch:assert test="some $value in ('datasphere', 'organization', 'individual', 'group', 'role') satisfies $root=$value"
      flag="error"
      role="error">[ISM-ID-00411][Error] Vocabulary declarations must have a root from one of the built-in types of 'datasphere', 'organization', 'individual',
'group', or 'role'. The root vocabulary type found [
  <sch:value-of select="$root"/>] is not valid.
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.297 - ../Rules/NTK/general/ISM\_ID\_00412.sch

### Rule Description

[ISM-ID-00412][Error] ntk:VocabularyType must have a source unless being derived from an existing built-in type.

### Code Description

For each ntk:VocabularyType that does not have a source, make sure that it is one of the built-in types or otherwise already declared with a source.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00019 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00412">
  <sch:rule id="ISM-ID-00412-R1" context="ntk:VocabularyType[not(@ntk:source)]">
    <sch:assert test="(some $type in $builtinVocab satisfies $type=@ntk:name)"
              flag="error"
              role="error">[ISM-ID-00412][Error] ntk:VocabularyType must have a source unless being derived from an existing built-in type.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.298 - ../Rules/NTK/general/ISM\_ID\_00413.sch

### Rule Description

[ISM-ID-00413][Error] All vocabularies used must be of a built-in vocabulary type or be defined in this ntk:AccessProfile in an ntk:VocabularyType.

### Code Description

For every ntk:AccessProfileValue element, verify that the value of the vocabulary attribute is either one of the built-in vocabulary types or defined in this AccessProfile.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00020 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00413">
  <sch:rule id="ISM-ID-00413-R1" context="ntk:AccessProfileValue">
    <sch:let name="definedTypes"
      value="preceding-sibling::ntk:VocabularyType/@ntk:name"/>
    <sch:assert test="(some $value in $builtinVocab satisfies $value=@ntk:vocabulary) or (some $value in $definedTypes satisfies $value=@ntk:vocabulary)"
      flag="error"
      role="error">[ISM-ID-00413][Error] Undefined vocabulary type:
    <sch:value-of select="@ntk:vocabulary"/>. All vocabularies used must be of a built-in vocabulary type or be defined in this ntk:AccessProfile in an ntk:VocabularyType.
  </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.299 - ../Rules/NTK/datasphere/ISM\_ID\_00414.sch

### Rule Description

[ISM-ID-00414][Error] Datasphere Profile NTK assertions must use 'datasphere' as the prefix for vocabulary names.

### Code Description

For NTK assertions that use the 'urn:us:gov:ic:ntk:profile:datasphere' profile DES, ntk:VocabularyType/@ntk:name must start with 'datasphere:'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00021 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00414">
  <sch:rule id="ISM-ID-00414-R1"
    context="ntk:AccessProfile[ntk:ProfileDes = 'urn:us:gov:ic:ntk:profile:datasphere']/ntk:VocabularyType">
    <sch:assert test="starts-with(@ntk:name, 'datasphere:')"
      flag="error"
      role="error">[ISM-ID-00414][Error] For ntk:VocabularyType elements in Datasphere NTK assertions, the @ntk:name attribute must start with 'datasphere:'.</
sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.300 - ../Rules/NTK/datasphere/ISM\_ID\_00415.sch

### Rule Description

[ISM-ID-00415][Error] Datasphere Profile NTK assertions must use 'datasphere' vocabularies for access profile values.

### Code Description

For NTK assertions that use the 'urn:us:gov:ic:ntk:profile:datasphere' profile DES, ntk:AccessProfileValue/@ntk:vocabulary must start with 'datasphere:'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00022 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00415">
  <sch:rule id="ISM-ID-00415-R1"
    context="ntk:AccessProfile[ntk:ProfileDes = 'urn:us:gov:ic:ntk:profile:datasphere']/ntk:AccessProfileValue">
    <sch:assert test="starts-with(@ntk:vocabulary, 'datasphere:')"
      flag="error"
      role="error">[ISM-ID-00415][Error] For ntk:AccessProfileValue elements in Datasphere NTK assertions, the @ntk:vocabulary attribute must start with
'datasphere:'.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.301 - ../Rules/NTK/general/ISM\_ID\_00416.sch

### Rule Description

[ISM-ID-00416][Error] If ntk:AccessProfileValue or ntk:VocabularyType are specified then there must be a Profile DES that defines the use of the ntk:AccessProfile structure.

### Code Description

When there is content in an ntk:AccessProfile, either ntk:AccessProfileValue or ntk:VocabularyType, then there must also be a ntk:ProfileDes in the AccessProfile.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="STRUCTURECHECK"?>
<!-- Original rule id: NTK-ID-00023 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00416">
  <sch:rule id="ISM-ID-00416-R1"
    context="ntk:AccessProfile[ntk:AccessProfileValue or ntk:VocabularyType]">
    <sch:assert test="ntk:ProfileDes" flag="error" role="error">[ISM-ID-00416][Error] If ntk:AccessProfileValue or ntk:VocabularyType are specified then there must be a
Profile DES that defines the use of the ntk:AccessProfile structure.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.302 - ../Rules/NTK/general/ISM\_ID\_00417.sch

### Rule Description

[ISM-ID-00417][Error] If there is a Profile DES specified, then there must be at least one ntk:AccessProfileValue.

### Code Description

When ntk:ProfileDes exists, make sure there is also a following sibling ntk:AccessProfileValue.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="STRUCTURECHECK"?>
<!-- Original rule id: NTK-ID-00024 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00417">
  <sch:rule id="ISM-ID-00417-R1" context="ntk:ProfileDes">
    <sch:assert test="following-sibling::ntk:AccessProfileValue"
      flag="error"
      role="error">[ISM-ID-00417][Error] If there is a Profile DES specified, then there must be at least one ntk:AccessProfileValue.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.303 - ../Rules/NTK/general/ISM\_ID\_00418.sch

### Rule Description

[ISM-ID-00418][Error] Sources cannot be overridden. If a built-in vocabulary type is specified and the source attribute is present, it must equal the built-in source.

### Code Description

When a built-in vocabulary is specified in an ntk:VocabularyType element and the source attribute is present, verify that the source specified matches the built-in source value.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00025 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00418">
  <sch:rule id="ISM-ID-00418-R1"
    context="ntk:VocabularyType[index-of($builtinVocab, @ntk:name) > 0 and @ntk:source]">
    <sch:let name="index" value="index-of($builtinVocab, @ntk:name)"/>
    <sch:assert test="@ntk:source=$builtinVocabSource[$index]"
      flag="error"
      role="error">[ISM-ID-00418][Error] Sources cannot be overridden. If a built-in vocabulary type is specified and the source attribute is present, it must
equal the built-in source. The source [
  <sch:value-of select="@ntk:source"/>] is invalid with respect to the vocabulary type [
  <sch:value-of select="@ntk:name"/>]. A source of [
  <sch:value-of select="$builtinVocabSource[$index]"/>] is expected.
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.304 - ../Rules/NTK/ICO/ISM\_ID\_00419.sch

### Rule Description

[ISM-ID-00419][Error] ntk:AccessProfile containing the ntk:AccessPolicy [urn:us:gov:ic:aces:ntk:ico] may not have ntk:ProfileDes, ntk:VocabularyType, or ntk:AccessProfileValue elements specified. Human Readable: When the ICO ACES is referenced, no data content may be specified in the ntk:AccessProfile.

### Code Description

For every ntk:AccessProfile that has an ntk:AccessPolicy of [urn:us:gov:ic:aces:ntk:ico], the profile should not specify any of the following data elements, ntk:ProfileDes, ntk:VocabularyType, or ntk:AccessProfileValue.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="STRUCTURECHECK"?>
<!-- Original rule id: NTK-ID-00026 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00419">
  <sch:rule context="ntk:AccessProfile[ntk:AccessPolicy='urn:us:gov:ic:aces:ntk:ico']"
    id="ISM-ID-00419-R1">
    <sch:assert test="not(ntk:ProfileDes | ntk:VocabularyType | ntk:AccessProfileValue)"
      flag="error"
      role="error">[ISM-ID-00419][Error] ntk:AccessProfile containing the ntk:AccessPolicy [urn:us:gov:ic:aces:ntk:ico] may not have ntk:ProfileDes,
ntk:VocabularyType, or ntk:AccessProfileValue elements specified. Human Readable: When the ICO ACES is referenced, no data content may be specified in the ntk:AccessProfile.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.305 - ../Rules/NTK/general/ISM\_ID\_00420.sch

### Rule Description

[ISM-ID-00420][Error] organization:usa-agency vocabulary values must exist in the USAgency CVE.

### Code Description

For ntk:AccessProfileValue with organization 'usa-agency' invoke ValueExistsInList to check if the value exists in the USAgency CVE.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00027 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00420" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context"
    value="ntk:AccessProfile/ntk:AccessProfileValue[@ntk:vocabulary='organization:usa-agency']"/>
  <sch:param name="searchTermList" value="."/>
  <sch:param name="list" value="$usagencyList"/>
  <sch:param name="errMsg"
    value="'[ISM-ID-00420][Error] organization:usa-agency vocabulary values must exist in the USAgency CVE.'"/>
</sch:pattern>
```

## 11.306 - ../Rules/NTK/agencyDissem/ISM\_ID\_00421.sch

### Rule Description

[ISM-ID-00421][Error] An Agency Dissemination NTK must have one and only one entry qualified as the originator.

### Code Description

For every ntk:AccessProfile with an ntk:ProfileDes of [urn:us:gov:ic:ntk:profile:agencydissem], this rule ensures that it has one and only one ntk:AccessProfileValue element with an @ntk:qualifier of [originator].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="STRUCTURECHECK"?>
<!-- Original rule id: NTK-ID-00028 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00421">
  <sch:rule context="ntk:AccessProfile[ntk:ProfileDes='urn:us:gov:ic:ntk:profile:agencydissem']"
    id="ISM-ID-00421-R1">
    <sch:assert test="count(ntk:AccessProfileValue[@ntk:qualifier='originator']) = 1"
      flag="error"
      role="error">[ISM-ID-00421][Error] An Agency Dissemination NTK must have one and only one entry qualified as the originator.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.307 - ../Rules/NTK/general/ISM\_ID\_00422.sch

### Rule Description

[ISM-ID-00422][Error] An @ntk:sourceVersion must be specified for the built-in organization:usa-agency vocabulary type.

### Code Description

Use the VocabHasCorrespondingVersion abstract pattern to require an ntk:VocabularyType with @ntk:sourceVersion specified and @ntk:name = 'organization:usa-agency'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="STRUCTURECHECK"?>
<!-- Original rule id: NTK-ID-00029 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00422" is-a="VocabHasCorrespondingVersion">
  <sch:param name="context"
    value="ntk:AccessProfile[ntk:AccessProfileValue/@ntk:vocabulary='organization:usa-agency']"/>
  <sch:param name="vocab" value="'organization:usa-agency'"/>
  <sch:param name="errMsg"
    value="'[ISM-ID-00422][Error] An @ntk:sourceVersion must be specified for the built-in organization:usa-agency vocabulary type.'"/>
</sch:pattern>
```

## 11.308 - ../Rules/NTK/MN/ISM\_ID\_00423.sch

### Rule Description

[ISM-ID-00423][Error] datasphere:mn:issue vocabulary values must exist in the Mission Need Issue CVE.

### Code Description

For AccessProfileValue with vocabulary 'datasphere:mn:issue', invoke abstract rule ValueExistsInList to check if the value exists in the Mission Need Issue CVE.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00030 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00423" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context"
    value="ntk:AccessProfileValue[@ntk:vocabulary='datasphere:mn:issue']"/>
  <sch:param name="searchTermList" value="."/>
  <sch:param name="list" value="$issueList"/>
  <sch:param name="errMsg"
    value="'[ISM-ID-00423][Error] datasphere:mn:issue vocabulary values must exist in the Mission Need Issue CVE.'"/>
</sch:pattern>
```

## 11.309 - ../Rules/NTK/MN/ISM\_ID\_00424.sch

### Rule Description

[ISM-ID-00424][Error] datasphere:mn:region vocabulary values must exist in the Mission Need Region CVE.

### Code Description

For AccessProfileValue with vocabulary 'datasphere:mn:region', invoke abstract rule ValueExistsInList to check if the value exists in the Mission Need Region CVE.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00031 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00424" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context"
    value="ntk:AccessProfileValue[@ntk:vocabulary='datasphere:mn:region']"/>
  <sch:param name="searchTermList" value="."/>
  <sch:param name="list" value="$regionList"/>
  <sch:param name="errMsg"
    value="'[ISM-ID-00424][Error] datasphere:mn:region vocabulary values must exist in the Mission Need Region CVE.'"/>
</sch:pattern>
```

## 11.310 - ../Rules/NTK/general/ISM\_ID\_00425.sch

### Rule Description

[ISM-ID-00425][Error] An @ntk:sourceVersion must be specified for the built-in datasphere:mn:issue vocabulary type.

### Code Description

Use the VocabHasCorrespondingVersion abstract pattern to require an ntk:VocabularyType with @ntk:sourceVersion specified and @ntk:name = 'datasphere:mn:issue'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="STRUCTURECHECK"?>
<!-- Original rule id: NTK-ID-00032 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00425" is-a="VocabHasCorrespondingVersion">
  <sch:param name="context"
    value="ntk:AccessProfile[ntk:AccessProfileValue/@ntk:vocabulary='datasphere:mn:issue']"/>
  <sch:param name="vocab" value="'datasphere:mn:issue'"/>
  <sch:param name="errMsg"
    value="'[ISM-ID-00425][Error] An @ntk:sourceVersion must be specified for the built-in datasphere:mn:issue vocabulary type.'"/>
</sch:pattern>
```

## 11.311 - ../Rules/NTK/general/ISM\_ID\_00426.sch

### Rule Description

[ISM-ID-00426][Error] An @ntk:sourceVersion must be specified for the built-in datasphere:mn:region vocabulary type.

### Code Description

Use the VocabHasCorrespondingVersion abstract pattern to require an ntk:VocabularyType with @ntk:sourceVersion specified and @ntk:name = 'datasphere:mn:region'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="STRUCTURECHECK"?>
<!-- Original rule id: NTK-ID-00033 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00426" is-a="VocabHasCorrespondingVersion">
  <sch:param name="context"
    value="ntk:AccessProfile[ntk:AccessProfileValue/@ntk:vocabulary='datasphere:mn:region']"/>
  <sch:param name="vocab" value="'datasphere:mn:region'"/>
  <sch:param name="errMsg"
    value="'[ISM-ID-00426][Error]An @ntk:sourceVersion must be specified for the built-in datasphere:mn:region vocabulary type.'"/>
</sch:pattern>
```

## 11.312 - ../Rules/NTK/permissive/ISM\_ID\_00427.sch

### Rule Description

[ISM-ID-00427][Error] Use of the permissive access policy requires the Group and Individual Profile DES.

### Code Description

If ntk:AccessProfile has an ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:permissive', ntk:ProfileDes must be 'urn:us:gov:ic:ntk:profile:grp-ind'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00034 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00427">
  <sch:rule id="ISM-ID-00427-R1"
    context="ntk:AccessProfile[ntk:AccessPolicy='urn:us:gov:ic:aces:ntk:permissive']/ntk:ProfileDes">
    <sch:assert test=". = 'urn:us:gov:ic:ntk:profile:grp-ind'"
      flag="error"
      role="error">[ISM-ID-00427][Error] Use of the permissive access policy requires the Group and Individual Profile DES.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.313 - ../Rules/NTK/agencyDissem/ISM\_ID\_00428.sch

### Rule Description

[ISM-ID-00428][Error] The @ntk:qualifier attribute value of either 'originator' or 'dissemto' is required on every ntk:AccessProfileValue element for NTK Access Profiles based on the Agency Dissemination profile DES.

### Code Description

Given an ntk:AccessProfile with an ntk:ProfileDes value of 'urn:us:gov:ic:ntk:profile:agencydissem', one of ntk:AccessProfileValue/@qualifier='originator' or ntk:AccessProfileValue/@qualifier='dissemto' must exist.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00035 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00428">
  <sch:rule context="ntk:AccessProfile[ntk:ProfileDes='urn:us:gov:ic:ntk:profile:agencydissem']/ntk:AccessProfileValue"
    id="ISM-ID-00428-R1">
    <sch:assert test="@ntk:qualifier = 'originator' or @ntk:qualifier = 'dissemto'"
      flag="error"
      role="error">[ISM-ID-00428][Error] The @ntk:qualifier attribute value of either 'originator' or 'dissemto' is required on every ntk:AccessProfileValue
element for NTK Access Profiles based on the Agency Dissemination profile DES.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.314 - ../Rules/NTK/propin/ISM\_ID\_00429.sch

### Rule Description

[ISM-ID-00429][Error] PROPIN access policies must have characters after the predefined portion 'urn:us:gov:ic:aces:ntk:propin:'.

### Code Description

Given an ntk:AccessPolicy that starts with 'urn:us:gov:ic:aces:ntk:propin:', the string length must be greater than 30 (that is, there must be characters after the predefined portion).

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00036 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00429">
  <sch:rule id="ISM-ID-00429-R1"
    context="ntk:AccessPolicy[starts-with(., 'urn:us:gov:ic:aces:ntk:propin:')] ">
    <sch:assert test="string-length(.) > 30" flag="error" role="error">[ISM-ID-00429][Error] PROPIN access policies must have characters after the predefined portion
'urn:us:gov:ic:aces:ntk:propin:'.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.315 - ../Rules/NTK/restrictive/ISM\_ID\_00430.sch

### Rule Description

[ISM-ID-00430][Error] Use of the restrictive access policy requires the Group and Individual Profile DES.

### Code Description

If ntk:AccessProfile has an ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:restrictive', then ntk:ProfileDes must be 'urn:us:gov:ic:ntk:profile:grp-ind'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00037 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00430">
  <sch:rule id="ISM-ID-00430-R1"
    context="ntk:AccessProfile[ntk:AccessPolicy='urn:us:gov:ic:aces:ntk:restrictive']/ntk:ProfileDes">
    <sch:assert test=". = 'urn:us:gov:ic:ntk:profile:grp-ind'"
      flag="error"
      role="error">[ISM-ID-00430][Error] Use of the restrictive access policy requires the Group and Individual Profile DES.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.316 - ../Rules/NTK/restrictive/ISM\_ID\_00431.sch

### Rule Description

[ISM-ID-00431][Error] Use of the restrictive access policy requires a Group vocabulary type.

### Code Description

If ntk:AccessProfile has an ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:restrictive', then ntk:AccessProfileValue/@ntk:vocabulary must start with 'group:'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00038 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00431">
  <sch:rule id="ISM-ID-00431-R1"
    context="ntk:AccessProfile[ntk:AccessPolicy='urn:us:gov:ic:aces:ntk:restrictive']/ntk:AccessProfileValue">
    <sch:assert test="starts-with(@ntk:vocabulary, 'group:')"
      flag="error"
      role="error">[ISM-ID-00431][Error] Use of the restrictive access policy requires a Group vocabulary type.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.317 - ../Rules/NTK/orcon/ISM\_ID\_00432.sch

### Rule Description

[ISM-ID-00432][Error] ORCON requires the USA-Agency vocabulary (organization:usa-agency).

### Code Description

If ntk:AccessPolicy for the ntk:AccessProfile is ORCON, then the vocabulary for the ntk:AccessProfileValue must be USA-Agency.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00039 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00432">
  <sch:rule id="ISM-ID-00432-R1"
    context="ntk:AccessProfile[ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:oc']/ntk:AccessProfileValue">
    <sch:assert test="@ntk:vocabulary = 'organization:usa-agency'"
      flag="error"
      role="error">[ISM-ID-00432][Error] ORCON requires the USA-Agency vocabulary (organization:usa-agency).</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.318 - ../Rules/NTK/exdis/ISM\_ID\_00433.sch

### Rule Description

[ISM-ID-00433][Error] EXDIS requires the USA-Agency vocabulary (organization:usa-agency).

### Code Description

If ntk:AccessPolicy for the ntk:AccessProfile is EXDIS, then the vocabulary for the ntk:AccessProfileValue must be USA-Agency.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00040 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00433">
  <sch:rule context="ntk:AccessProfile[ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:xd']/ntk:AccessProfileValue"
    id="ISM-ID-00433-R1">
    <sch:assert test="@ntk:vocabulary = 'organization:usa-agency'"
      flag="error"
      role="error">[ISM-ID-00433][Error] EXDIS requires the USA-Agency vocabulary (organization:usa-agency).</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.319 - ../Rules/NTK/general/ISM\_ID\_00434.sch

### Rule Description

[ISM-ID-00434][Error] Source versions (@ntk:sourceVersion) must be consistent for all NTK Profiles within a document that contribute to the actual overall access restrictions of the document.

### Code Description

For any given ntk:VocabularyType that is tied to a CES, determine how many distinct versions of that CES are specified. Report an error if there is more than one version found.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00041 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00434">
  <sch:rule abstract="true" id="abs_rule_00041">
    <sch:let name="versions"
      value="distinct-values(for $version in //ntk:Access//ntk:VocabularyType[@ntk:name=$vocab]/@ntk:sourceVersion return $version)"/>
    <sch:assert test="not(count($versions)>1)" flag="error" role="error">[ISM-ID-00434][Error] Source versions (@ntk:sourceVersion) must be consistent for all NTK
Profiles within a document that contribute to the actual overall access restrictions of the document. Found
    <sch:value-of select="$vocab"/>versions:
    <sch:value-of select="$versions"/>
  </sch:assert>
</sch:rule>
<sch:rule id="ISM-ID-00434-R2"
  context="ntk:Access//ntk:VocabularyType[@ntk:name='datasphere:mn:region']">
  <sch:let name="vocab" value="'datasphere:mn:region'"/>
  <sch:extends rule="abs_rule_00041"/>
</sch:rule>
<sch:rule id="ISM-ID-00434-R3"
  context="ntk:Access//ntk:VocabularyType[@ntk:name='datasphere:mn:issue']">
  <sch:let name="vocab" value="'datasphere:mn:issue'"/>
  <sch:extends rule="abs_rule_00041"/>
</sch:rule>
<sch:rule id="ISM-ID-00434-R4"
  context="ntk:Access//ntk:VocabularyType[@ntk:name='organization:usa-agency']">
  <sch:let name="vocab" value="'organization:usa-agency'"/>
  <sch:extends rule="abs_rule_00041"/>
</sch:rule>
<sch:rule id="ISM-ID-00434-R5"
  context="ntk:Access//ntk:VocabularyType[@ntk:name='datasphere:license']">
  <sch:let name="vocab" value="'datasphere:license'"/>
  <sch:extends rule="abs_rule_00041"/>
</sch:rule>
</sch:pattern>
```



## 11.320 - ../Rules/NTK/general/ISM\_ID\_00435.sch

### Rule Description

[ISM-ID-00435][Error] If an access policy URN begins with 'urn:us:gov:ic:aces:ntk', the value must exist in the list of allowed values.

### Code Description

For ntk:AccessPolicy that start with 'urn:us:gov:ic:aces:ntk:', invoke abstract rule ValueExistsInList to check if the value exists in the NTKAccessPolicy CVE.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00042 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00435" is-a="ValueExistsInList">
  <sch:param name="context"
    value="ntk:AccessPolicy[starts-with(., 'urn:us:gov:ic:aces:ntk:')]"/>
  <sch:param name="list" value="$accessPolicyList"/>
  <sch:param name="errMsg"
    value="'[ISM-ID-00435][Error] Access Policy URNs that start with IC CIO reserved portion must exist in NTKAccessPolicy CVE.'"/>
</sch:pattern>
```

## 11.321 - ../Rules/NTK/general/ISM\_ID\_00436.sch

### Rule Description

[ISM-ID-00436][Warning] The source version (@ntk:sourceVersion) must match the version of the CVE being used to validate values of the NTK instance.

### Code Description

For any given ntk:VocabularyType that is tied to a CES, check the claimed sourceVersion against the version of the CVE file being used for validation and ensure they are equal.

## Schematron Code

```

<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00043 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00436">
  <sch:rule abstract="true" id="abs_rule_00043">
    <sch:assert test="$cve/@specVersion = @ntk:sourceVersion"
              flag="warning"
              role="error">[ISM-ID-00436][Warning] The source version (@ntk:sourceVersion) must match the version of the CVE being used to validate values of the NTK
instance. The NTK claims that the vocabulary
    <sch:value-of select="@ntk:name"/>is compliant with
    <sch:value-of select="@ntk:sourceVersion"/>, but the CVE used points at spec version
    <sch:value-of select="$cve/@specVersion"/>.
  </sch:assert>
  </sch:rule>
  <sch:rule id="ISM-ID-00436-R2"
            context="ntk:Access//ntk:VocabularyType[@ntk:name='datasphere:mn:region']">
    <sch:let name="cve" value="document('../..//CVE/MN/CVEnumMNRegion.xml')//cve:CVE"/>
    <sch:extends rule="abs_rule_00043"/>
  </sch:rule>
  <sch:rule id="ISM-ID-00436-R3"
            context="ntk:Access//ntk:VocabularyType[@ntk:name='datasphere:mn:issue']">
    <sch:let name="cve" value="document('../..//CVE/MN/CVEnumMNIssue.xml')//cve:CVE"/>
    <sch:extends rule="abs_rule_00043"/>
  </sch:rule>
  <sch:rule id="ISM-ID-00436-R4"
            context="ntk:Access//ntk:VocabularyType[@ntk:name='datasphere:license']">
    <sch:let name="cve"
            value="document('../..//CVE/LIC/CVEnumLicLicense.xml')//cve:CVE"/>
    <sch:extends rule="abs_rule_00043"/>
  </sch:rule>
  <sch:rule id="ISM-ID-00436-R5"
            context="ntk:Access//ntk:VocabularyType[@ntk:name='organization:usa-agency']">
    <sch:let name="cve"
            value="document('../..//CVE/USAgency/CVEnumUSAgencyAcronym.xml')//cve:CVE"/>
    <sch:extends rule="abs_rule_00043"/>
  </sch:rule>
</sch:pattern>

```

## 11.322 - ../Rules/NTK/general/ISM\_ID\_00437.sch

### Rule Description

[ISM-ID-00437][Error] An @ntk:sourceVersion must be specified for the built-in datasphere:license vocabulary type.

### Code Description

Use the VocabHasCorrespondingVersion abstract pattern to require an ntk:VocabularyType with @ntk:sourceVersion specified and @ntk:name = 'datasphere:license'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="STRUCTURECHECK"?>
<!-- Original rule id: NTK-ID-00044 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00437" is-a="VocabHasCorrespondingVersion">
  <sch:param name="context"
    value="ntk:AccessProfile[ntk:AccessProfileValue/@ntk:vocabulary='datasphere:license']"/>
  <sch:param name="vocab" value="'datasphere:license'"/>
  <sch:param name="errMsg"
    value="'[ISM-ID-00437][Error]An @ntk:sourceVersion must be specified for the built-in datasphere:license vocabulary type.'"/>
</sch:pattern>
```

## 11.323 - ../Rules/NTK/general/ISM\_ID\_00438.sch

### Rule Description

[ISM-ID-00438][Error] If an ntk:AccessProfileValue with @ntk:vocabulary of [datasphere:license] is specified, then the value must exist in the LIC.CES License CVE (CVEnumLicLicense.xml).

### Code Description

For ntk:AccessProfileValue with vocabulary 'datasphere:license', invoke abstract rule ValueExistsInList to check if the value exists in the License CVE.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00045 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00438" is-a="ValueExistsInList">
  <sch:param name="context"
    value="ntk:AccessProfileValue[@ntk:vocabulary='datasphere:license']"/>
  <sch:param name="list" value="$licenseList"/>
  <sch:param name="errMsg"
    value="'[ISM-ID-00438][Error] If an ntk:AccessProfileValue with @ntk:vocabulary of [datasphere:license] is specified, then the value must exist in the LIC.CES
License CVE (CVEnumLicLicense.xml)'" />
</sch:pattern>
```

## 11.324 - ../Rules/NTK/MN/ISM\_ID\_00439.sch

### Rule Description

[ISM-ID-00439][Error] When both issues (datasphere:mn:issue) and regions (datasphere:mn:region) are specified for in a Mission Need NTK instance, the version of the list specified for both must be the same.

### Code Description

For Mission Need profile NTK instances that have Vocabulary Types of both issue and region, verify that the @ntk:sourceVersion attribute values specified for both datasphere:mn:issue and datasphere:mn:region are the same.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00046 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00439">
  <sch:rule id="ISM-ID-00439-R1"
    context="ntk:AccessProfile[ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:mn'] [ntk:VocabularyType[@ntk:name='datasphere:mn:issue'] and
ntk:VocabularyType[@ntk:name='datasphere:mn:region']]">
    <sch:assert test="ntk:VocabularyType[@ntk:name='datasphere:mn:issue']/@ntk:sourceVersion = ntk:VocabularyType[@ntk:name='datasphere:mn:region']/@ntk:sourceVersion"
      flag="error"
      role="error">[ISM-ID-00439][Error] When both issues (datasphere:mn:issue) and regions (datasphere:mn:region) are specified for in a Mission Need NTK
instance, the version of the list specified for both must be the same.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.325 - ../Rules/NTK/general/ISM\_ID\_00440.sch

### Rule Description

[ISM-ID-00440][Error] ntk:AccessPolicy, ntk:ProfileDes, and ntk:AccessProfileValue are required to have text content.

### Code Description

ntk:AccessPolicy, ntk:ProfileDes, and ntk:AccessProfileValue are required to have text content.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00048 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00440">
  <sch:rule id="ISM-ID-00440-R1"
    context="ntk:AccessPolicy | ntk:ProfileDes | ntk:AccessProfileValue">
    <sch:assert test="not(empty(text()))" flag="error" role="error">[ISM-ID-00440][Error] ntk:AccessPolicy, ntk:ProfileDes, and ntk:AccessProfileValue are required to have
text content.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.326 - ../Rules/USGov/ISM\_ID\_00441.sch

### Rule Description

[ISM-ID-00441][Error] If ISM\_USGOV\_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:disseminationControls containing [RS] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [RSEN] and does not specify attribute @ism:externalNotice with a value of [true]. Human Readable: USA documents containing a non-external RSEN notice must also have RS data.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and any element meets ISM\_CONTRIBUTES and specifies attribute @ism:noticeType with a value containing the token [RSEN] and does not specify attribute @ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:disseminationControls with a value containing the token [RS].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00441" is-a="NoticeHasCorrespondingData">
  <sch:param name="ruleId" value="'ISM-ID-00441'"/>
  <sch:param name="attrName" value="'disseminationControls'"/>
  <sch:param name="dataType" value="'RS'"/>
  <sch:param name="noticeType" value="'RSEN'"/>
  <sch:param name="dataTokenList" value="$partDisseminationControls_tok"/>
</sch:pattern>
```

## 11.327 - ../Rules/USGov/ISM\_ID\_00442.sch

### Rule Description

[ISM-ID-00442][Error] If ISM\_USGOV\_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:disseminationControls containing [RS] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [IMCON\_RSEN] and does not specify attribute @ism:externalNotice with a value of [true]. Human Readable: USA documents containing a non-external IMCON\_RSEN notice must also have RS data.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and any element meets ISM\_CONTRIBUTES and specifies attribute @ism:noticeType with a value containing the token [IMCON\_RSEN] and does not specify attribute @ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:disseminationControls with a value containing the token [RS].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00442" is-a="NoticeHasCorrespondingData">
  <sch:param name="ruleId" value="'ISM-ID-00442'"/>
  <sch:param name="attrName" value="'disseminationControls'"/>
  <sch:param name="dataType" value="'RS'"/>
  <sch:param name="noticeType" value="'IMCON_RSEN'"/>
  <sch:param name="dataTokenList" value="$partDisseminationControls_tok"/>
</sch:pattern>
```

## 11.328 - ../Rules/USGov/ISM\_ID\_00443.sch

### Rule Description

[ISM-ID-00443][Error] If ISM\_USGOV\_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:disseminationControls containing [IMC] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [IMCON\_RSEN] and does not specify attribute @ism:externalNotice with a value of [true]. Human Readable: USA documents containing a non-external IMCON\_RSEN notice must also have IMC data.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and any element meets ISM\_CONTRIBUTES and specifies attribute @ism:noticeType with a value containing the token [IMCON\_RSEN] and does not specify attribute @ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:disseminationControls with a value containing the token [IMC].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00443" is-a="NoticeHasCorrespondingData">
  <sch:param name="ruleId" value="'ISM-ID-00443'"/>
  <sch:param name="attrName" value="'disseminationControls'"/>
  <sch:param name="dataType" value="'IMC'"/>
  <sch:param name="noticeType" value="'IMCON_RSEN'"/>
  <sch:param name="dataTokenList" value="$partDisseminationControls_tok"/>
</sch:pattern>
```

## 11.329 - ../Rules/USGov/ISM\_ID\_00444.sch

### Rule Description

[ISM-ID-00444][Error] If ISM\_USGOV\_RESOURCE and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:disseminationControls containing [IMC] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [IMC] and does not specify attribute @ism:externalNotice with a value of [true]. Human Readable: USA documents containing a non-external IMC notice must also have IMC data.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USGOV\_RESOURCE and any element meets ISM\_CONTRIBUTES and specifies attribute @ism:noticeType with a value containing the token [IMC] and does not specify attribute @ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:disseminationControls with a value containing the token [IMC].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00444" is-a="NoticeHasCorrespondingData">
  <sch:param name="ruleId" value="'ISM-ID-00444'"/>
  <sch:param name="attrName" value="'disseminationControls'"/>
  <sch:param name="dataType" value="'IMC'"/>
  <sch:param name="noticeType" value="'IMC'"/>
  <sch:param name="dataTokenList" value="$partDisseminationControls_tok"/>
</sch:pattern>
```

## 11.330 - ../Rules/general/ISM\_ID\_00445.sch

### Rule Description

[ISM-ID-00445][Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'USAgency' that is version '202207' (Version:2022-JUL) or later. NOTE: This is not an error of the instance document but of the validation environment itself.

### Code Description

This rule uses an abstract pattern to consolidate logic. It verifies that the validation infrastructure is using the version specified in parameters.

### Schematron Code

```
<?schematron-phases phaseids="INFRASTRUCTURE"?>
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00445" is-a="ValidateValidationEnvCVE">
  <sch:param name="MinVersion" value="'202207'"/>
  <sch:param name="SpecToCheck" value="'USAgency'"/>
  <sch:param name="pathToDocument"
    value="'../..../CVE/USAgency/CVEnumUSAgencyAcronym.xml'"/>
  <sch:param name="RuleID" value="'ISM-ID-00445'"/>
</sch:pattern>
```

## 11.331 - ../Rules/general/ISM\_ID\_00446.sch

### Rule Description

[ISM-ID-00446][Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'MN' that is version '202111' (Version:2021-NOV) or later. NOTE: This is not an error of the instance document but of the validation environment itself.

### Code Description

This rule uses an abstract pattern to consolidate logic. It verifies that the validation infrastructure is using the version specified in parameters.

### Schematron Code

```
<?schematron-phases phaseids="INFRASTRUCTURE"?>
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00446" is-a="ValidateValidationEnvCVE">
  <sch:param name="MinVersion" value="'202111'"/>
  <sch:param name="SpecToCheck" value="'MN'"/>
  <sch:param name="pathToDocument" value="'../..../CVE/MN/CVEnumMNIssue.xml'"/>
  <sch:param name="RuleID" value="'ISM-ID-00446'"/>
</sch:pattern>
```

## 11.332 - ../Rules/general/ISM\_ID\_00447.sch

### Rule Description

[ISM-ID-00447][Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'LIC' that is version '201508' (Version:2015-AUG) or later. NOTE: This is not an error of the instance document but of the validation environment itself.

### Code Description

This rule uses an abstract pattern to consolidate logic. It verifies that the validation infrastructure is using the version specified in parameters.

### Schematron Code

```
<?schematron-phases phaseids="INFRASTRUCTURE"?>
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00447" is-a="ValidateValidationEnvCVE">
  <sch:param name="MinVersion" value="'201508'"/>
  <sch:param name="SpecToCheck" value="'LIC'"/>
  <sch:param name="pathToDocument" value="'../..../CVE/LIC/CVEnumLicLicense.xml'"/>
  <sch:param name="RuleID" value="'ISM-ID-00447'"/>
</sch:pattern>
```

## 11.333 - ../Rules/general/ISM\_ID\_00448.sch

### Rule Description

[ISM-ID-00448][Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'AUTHCAT' that is version '201804' (Version:2018-APR) or later. NOTE: This is not an error of the instance document but of the validation environment itself.

### Code Description

This rule uses an abstract pattern to consolidate logic. It verifies that the validation infrastructure is using the version specified in parameters.

### Schematron Code

```
<?schematron-phases phaseids="INFRASTRUCTURE"?>
<?ICEA pattern?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00448" is-a="ValidateValidationEnvCVE">
  <sch:param name="MinVersion" value="'201804'"/>
  <sch:param name="SpecToCheck" value="'AUTHCAT'"/>
  <sch:param name="pathToDocument" value="'../..../CVE/AUTHCAT/CVEnumAuthCatType.xml'"/>
  <sch:param name="RuleID" value="'ISM-ID-00448'"/>
</sch:pattern>
```

## 11.334 - ../Rules/general/ISM\_ID\_00449.sch

### Rule Description

[ISM-ID-00449][Error] The ARH elements cannot be used as root elements. Human Readable: ARH is not designed to stand-alone and therefore should never be used as a root element.

### Code Description

Ensure that arh:Security or arh:ExternalSecurity are not used as the root element.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00449">
  <sch:rule id="ISM-ID-00449-R1" context="/arh:*">
    <sch:assert test="false()" flag="error" role="error">[ISM-ID-00449][Error] The ARH elements cannot be used as root elements. Human Readable: ARH is not designed to
stand-alone and therefore should never be used as a root element.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.335 - ../Rules/general/ISM\_ID\_00450.sch

### Rule Description

[ISM-ID-00450][Warning] @arh:DESVersion is a DEPRECATED attribute. Human Readable: ARH DESVersion is a DEPRECATED attribute.

### Code Description

If @arh:DESVersion exists, provide a warning that it is a DEPRECATED attribute.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00450">
  <sch:rule id="ISM-ID-00450-R1" context="*[@arh:DESVersion]">
    <sch:assert test="not(@arh:DESVersion)" flag="warning" role="warning">[ISM-ID-00450][Warning] @arh:DESVersion is a DEPRECATED attribute. Found arh:DESVersion=
  <sch:value-of select="./@arh:DESVersion"/>Human Readable: ARH DESVersion is a DEPRECATED attribute.
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.336 - ../Rules/general/ISM\_ID\_00451.sch

### Rule Description

[ISM-ID-00451][Error] Every ARH attribute in the document must be specified with a non-whitespace value. Human Readable: All attributes in the ARH namespace must specify a value.

### Code Description

For each element which specifies an attribute in the ARH namespace, ensure that all attributes in the ARH namespace contain a non-whitespace value.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00451">
  <sch:rule id="ISM-ID-00451-R1" context="*[@arh:*]">
    <sch:assert test="every $attribute in @arh:* satisfies string-length(normalize-space(string($attribute))) > 0"
      flag="error"
      role="error">[ISM-ID-00451][Error] Every ARH attribute in the document must be specified with a non-whitespace value. Human Readable: All attributes in the
ARH namespace must specify a value.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.337 - ../Rules/general/ISM\_ID\_00452.sch

### Rule Description

[ISM-ID-00452][Warning] @ntk:DESVersion is a DEPRECATED attribute. Human Readable: NTK DESVersion is a DEPRECATED attribute.

### Code Description

If @ntk:DESVersion exists, provide a warning that it is a DEPRECATED attribute.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00452">
  <sch:rule id="ISM-ID-00452-R1" context="*[@ntk:DESVersion]">
    <sch:assert test="not(@ntk:DESVersion)" flag="warning" role="warning">[ISM-ID-00452][Warning] @ntk:DESVersion is a DEPRECATED attribute. Human Readable: NTK DESVersion
is a DEPRECATED attribute.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.338 - ../Rules/general/ISM\_ID\_00453.sch

### Rule Description

[ISM-ID-00453][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains a token matching [HCS-P-XXXXXX], where X is represented by the regular expression character class [A-Z0-9]{1,6}, then attribute @ism:classification must have a value of [TS]. Human Readable: A USA document with HCS-PRODUCT subcompartment data must be classified TOP SECRET.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing a token matching [HCS-P-XXXXXX], where X is represented by the regular expression character class [A-Z0-9]{1,6}, this rule ensures that attribute @ism:classification is specified with a value containing the token [TS].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00453">
  <sch:rule id="ISM-ID-00453-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:SCIcontrols, ('^HCS-P-[A-Z0-9]{1,6}$'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS'))"
      flag="error"
      role="error">[ISM-ID-00453][Error] If ISM_USGOV_RESOURCE and attribute SCIcontrols contains the name token [HCS-P-XXXXXX], where X is represented by the
regular expression character class [A-Z0-9]{1,6}, then attribute classification must have a value of [TS]. Human Readable: A USA document with HCS-PRODUCT subcompartment data must be
classified TOP SECRET.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.339 - ../Rules/NTK/general/ISM\_ID\_00454.sch

### Rule Description

[ISM-ID-00454][Error] An @ntk:sourceVersion must be specified for the built-in datasphere:rac vocabulary type.

### Code Description

Use the VocabHasCorrespondingVersion abstract pattern to require an ntk:VocabularyType with @ntk:sourceVersion specified and @ntk:name = 'datasphere:rac'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="STRUCTURECHECK"?>
<!-- Original rule id: NTK-ID-00055 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00454" is-a="VocabHasCorrespondingVersion">
  <sch:param name="context"
    value="ntk:AccessProfile[ntk:AccessProfileValue/@ntk:vocabulary='datasphere:rac']"/>
  <sch:param name="vocab" value="'datasphere:rac'"/>
  <sch:param name="errMsg"
    value="'[ISM-ID-00454][Error]An @ntk:sourceVersion must be specified for the built-in datasphere:rac vocabulary type.'"/>
</sch:pattern>
```

## 11.340 - ../Rules/NTK/general/ISM\_ID\_00455.sch

### Rule Description

[ISM-ID-00455][Error] ntk:RequiresAnyOf and ntk:RequiresAllOf must contain ntk:AccessProfileList. Human Readable: ntk:RequiresAnyOf and ntk:RequiresAllOf must have the child element ntk:AccessProfileList.

### Code Description

This rule ensures that ntk:AccessProfileList exist as a child element of ntk:RequiresAnyOf and ntk:RequiresAllOf.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="STRUCTURECHECK"?>
<!-- Original rule id: NTK-ID-00002 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00455">
  <sch:rule id="ISM-ID-00455-R1" context="ntk:RequiresAnyOf|ntk:RequiresAllOf">
    <sch:assert test="ntk:AccessProfileList" flag="error" role="error">[ISM-ID-00455][Error] ntk:RequiresAnyOf and ntk:RequiresAllOf must contain ntk:AccessProfileList.
Human Readable: ntk:RequiresAnyOf and ntk:RequiresAllOf must have the child element ntk:AccessProfileList.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.341 - ../Rules/NTK/RAC/ISM\_ID\_00456.sch

### Rule Description

[ISM-ID-00456][Error] datasphere:rac vocabulary values must exist in the Restricted Authority Category CVE.

### Code Description

For AccessProfileValue with vocabulary 'datasphere:rac', invoke abstract rule ValueExistsInList to check if the value exists in the Restricted Authority Category CVE.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00053 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00456" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context"
    value="ntk:AccessProfileValue[@ntk:vocabulary='datasphere:rac']"/>
  <sch:param name="searchTermList" value="."/>
  <sch:param name="list" value="$authcatList"/>
  <sch:param name="errMsg"
    value="'[ISM-ID-00456][Error] datasphere:rac vocabulary values must exist in the Restricted Authority Category CVE.'"/>
</sch:pattern>
```

## 11.342 - ../Rules/NTK/general/ISM\_ID\_00457.sch

### Rule Description

[ISM-ID-00457][Error] Every attribute in the NTK namespace must be specified with a non-whitespace value.

### Code Description

For each element which specifies an attribute in the NTK namespace, this rule ensures that all attributes in the NTK namespace contain a non-whitespace value.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00004 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00457">
  <sch:rule id="ISM-ID-00457-R1" context="*[@tk:*]">
    <sch:assert test="every $attribute in @tk:* satisfies normalize-space(string($attribute))"
      flag="error"
      role="error">[ISM-ID-00457][Error] Every attribute in the document must be specified with a non-whitespace value.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.343 - ../Rules/NTK/RAC/ISM\_ID\_00458.sch

### Rule Description

[ISM-ID-00458][Error] Restricted Authority Category NTK assertions must use the "datasphere" profile DES.

### Code Description

ntk:AccessProfile elements that have an ntk:AccessPolicy child with the RAC value (urn:us:gov:ic:aces:ntk:rac) must have a ntk:ProfileDes with the datasphere value (urn:us:gov:ic:ntk:profile:datasphere).

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00052 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00458">
  <sch:rule id="ISM-ID-00458-R1"
    context="ntk:AccessProfile[ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:rac']/ntk:ProfileDes">
    <sch:assert test=". = 'urn:us:gov:ic:ntk:profile:datasphere'"
      flag="error"
      role="error">[ISM-ID-00458][Error] Restricted Authority Category NTK assertions must use the "datasphere" profile DES.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.344 - ../Rules/USGov/ISM\_ID\_00459.sch

### Rule Description

[ISM-ID-00459][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS-X], then attribute @ism:classification must have a value of [TS] or [S]. Human Readable: A USA document with HCS-EXTERNAL compartment data must be classified SECRET or TOP SECRET.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing the token [HCS-X], ensure that attribute @ism:classification is specified with a value of [TS] or [S].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00459">
  <sch:rule id="ISM-ID-00459-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('HCS-X'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S'))"
      flag="error"
      role="error">[ISM-ID-00459][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS-X], then attribute @ism:classification
must have a value of [TS] or [S]. Human Readable: A USA document with HCS-EXTERNAL compartment data must be classified SECRET or TOP SECRET.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.345 - ../Rules/USGov/ISM\_ID\_00460.sch

### Rule Description

[ISM-ID-00460][Error] If 1. Any attribute @ism:noticeType contains [ITAR-EAR] AND 2. Attribute @ism:noticeType of ISM\_RESOURCE\_ELEMENT contains [DoD-Dist-A] Human Readable: All documents that include a DoD 5230.24 ITAR-EAR notice MUST NOT have a DoD-Dist-A distribution statement for the entire document.

### Code Description

If the document contains an [ITAR-EAR] notice and the current element is the ISM\_RESOURCE\_ELEMENT, this rule ensures that there is NO attribute @ism:noticeType with a value of [DoD-Dist-A].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00460">
  <sch:rule id="ISM-ID-00460-R1"
    context="*[generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:noticeType, ('ITAR-EAR')) ]">
    <sch:assert test="not(util:containsAnyOfTheTokens(@ism:noticeType, ('DoD-Dist-A')))"
      flag="error"
      role="error">[ISM-ID-00460][Error] If 1. Any attribute @ism:noticeType contains [ITAR-EAR] AND 2. Attribute @ism:noticeType of ISM_RESOURCE_ELEMENT contains
[DoD-Dist-A] Human Readable: All documents that include a DoD 5230.24 ITAR-EAR notice MUST NOT have a DoD-Dist-A distribution statement for the entire document.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.346 - ../Rules/USGov/ISM\_ID\_00461.sch

### Rule Description

[ISM-ID-00461][Error] If ISM\_USDOD\_RESOURCE and 1. not ISM\_DOD\_DISTRO\_EXEMPT AND 2. Attribute @ism:noticeType of any portion that is not @ism:excludeFromRollup="true" contains [ITAR-EAR], then there must be @ism:noticeType=[ITAR-EAR] on the resource element. Human Readable: All US DOD documents that do not claim exemption from DoD5230.24 and that have an [ITAR-EAR] notice on any portion must have an [ITAR-EAR] notice on the resource element.

### Code Description

If the document is an ISM\_USDOD\_RESOURCE and not ISM\_DOD\_DISTRO\_EXEMPT and has any portion with @ism:noticeType=[ITAR-EAR], and the current element is the ISM\_RESOURCE\_ELEMENT, this rule ensures that attribute @ism:noticeType is specified on the resource element with a value of [ITAR-EAR].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00461">
  <sch:rule id="ISM-ID-00461-R1"
    context="*[$ISM_USDOD_RESOURCE and not($ISM_DOD_DISTRO_EXEMPT) and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and (count($partNoticeType_tok[.='ITAR-
EAR'])>0)]">
    <sch:assert test="index-of(tokenize(@ism:noticeType,' '), 'ITAR-EAR') > 0"
      flag="error"
      role="error">[ISM-ID-00461][Error] If ISM_USDOD_RESOURCE and 1. not ISM_DOD_DISTRO_EXEMPT AND 2. Attribute @ism:noticeType of any portion that is not
@ism:excludeFromRollup="true" contains [ITAR-EAR], then there must be @ism:noticeType=[ITAR-EAR] on the resource element. Human Readable: All US DOD documents that do not claim exemption from
DoD5230.24 and that have an [ITAR-EAR] notice on any portion must have an [ITAR-EAR] notice on the resource element.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.347 - ../Rules/USGov/ISM\_ID\_00462.sch

### Rule Description

[ISM-ID-00462][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:classification is [U], then attribute @ism:nonICmarkings must not contain a name token that starts with ACCM. Human Readable: A USA document containing ACCM data must be classified CONFIDENTIAL, SECRET, or TOP SECRET.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:classification='U', then this rule ensures that @ism:nonICmarkings does not contain a token that starts with ACCM.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00462">
  <sch:rule id="ISM-ID-00462-R1"
    context="*[$ISM_USGOV_RESOURCE and util:contributesToRollup(.) and @ism:classification='U']">
    <sch:assert test="not(util:containsAnyTokenMatching(@ism:nonICmarkings, ('ACCM')))"
      flag="error"
      role="error">[ISM-ID-00462][Error] If ISM_USGOV_RESOURCE and attribute @ism:classification is [U], then attribute @ism:nonICmarkings must not contain a name
token that starts with ACCM. Human Readable: A USA document containing ACCM data must be classified CONFIDENTIAL, SECRET, or TOP SECRET.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.348 - ../Rules/USGov/ISM\_ID\_00463.sch

### Rule Description

[ISM-ID-00463][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains the name token [BUR], then attribute @ism:disseminationControls must contain the name token [NF]. Human Readable: A USA document containing BUR data must be marked for NO FOREIGN dissemination.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing the token [BUR] this rule ensures that attribute @ism:disseminationControls is specified with a value containing the token [NF].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00463">
  <sch:rule id="ISM-ID-00463-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('BUR'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
      flag="error"
      role="error">[ISM-ID-00463][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [BUR], then attribute
@ism:disseminationControls must contain the name token [NF]. Human Readable: A USA document containing BUR data must be marked for NO FOREIGN dissemination.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.349 - ../Rules/USGov/ISM\_ID\_00464.sch

### Rule Description

[ISM-ID-00464][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains the name token [RSV], then attribute @ism:disseminationControls must contain the name token [NF]. Human Readable: A USA document containing RSV data must be marked for NO FOREIGN dissemination.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing the token [RSV] this rule ensures that attribute @ism:disseminationControls is specified with a value containing the token [NF].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00464">
  <sch:rule id="ISM-ID-00464-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('RSV'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
      flag="error"
      role="error">[ISM-ID-00464][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [RSV], then attribute
@ism:disseminationControls must contain the name token [NF]. Human Readable: A USA document containing RSV data must be marked for NO FOREIGN dissemination.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.350 - ../Rules/USGov/ISM\_ID\_00465.sch

### Rule Description

[ISM-ID-00465][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains the name token [BUR], then attribute @ism:classification must have a value of [TS] or [S]. Human Readable: A USA document containing BUR data must be classified SECRET or TOP SECRET.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing the token [BUR] this rule ensures that attribute @ism:classification is specified with a value containing the token [TS] or [S].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00465">
  <sch:rule id="ISM-ID-00465-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('BUR'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S'))"
      flag="error"
      role="error">[ISM-ID-00465][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [BUR], then attribute @ism:classification
must have a value of [TS] or [S]. Human Readable: A USA document containing BUR data must be classified SECRET or TOP SECRET.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.351 - ../Rules/USGov/ISM\_ID\_00466.sch

### Rule Description

[ISM-ID-00466][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains the name token [KLM], then attribute @ism:classification must have a value of [TS] or [S]. Human Readable: A USA document containing KLM data must be classified SECRET or TOP SECRET.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing the token [KLM] this rule ensures that attribute @ism:classification is specified with a value containing the token [TS] or [S].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00466">
  <sch:rule id="ISM-ID-00466-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('KLM'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S'))"
      flag="error"
      role="error">[ISM-ID-00466][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [KLM], then attribute @ism:classification
must have a value of [TS] or [S]. Human Readable: A USA document containing KLM data must be classified SECRET or TOP SECRET.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.352 - ../Rules/USGov/ISM\_ID\_00467.sch

### Rule Description

[ISM-ID-00467][Warning] If ISM\_USGOV\_RESOURCE and attribute @ism:atomicEnergyMarkings contains one of the name tokens [RD] or [FRD], then [RD] and [FRD] SHOULD contain [NF]. In order to release [RD] or [FRD] data to a foreign partner, ensure you have established a sharing agreement per the AEA. Human Readable: A USA document containing RD and/or FRD data is usually NOFORN; ensure you have proper release authority per the AEA.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:atomicEnergyMarkings with a value containing one of the tokens [RD] or [FRD], this rule checks that attribute @ism:disseminationControls is specified with a value containing the token [NF] and gives a WARNING if there is no [NF].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00467">
  <sch:rule id="ISM-ID-00467-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD','FRD'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
      flag="warning"
      role="warning">[ISM-ID-00467][Warning] If ISM_USGOV_RESOURCE and attribute @ism:atomicEnergyMarkings contains one of the name tokens [RD] or [FRD], then
[RD] and [FRD] SHOULD contain [NF]. In order to release [RD] or [FRD] data to a foreign partner, ensure you have established a sharing agreement per the AEA. Human Readable: A USA document
containing RD and/or FRD data is usually NOFORN; ensure you have proper release authority per the AEA.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.353 - ../Rules/USGov/ISM\_ID\_00468.sch

### Rule Description

[ISM-ID-00468][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains a token starting with [KLM-R], then attribute @ism:classification must have a value of [TS]. Human Readable: A USA document containing KLM-R subcompartment data must be classified TOP SECRET.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols that contains a token starting with [KLM-R], this rule ensures that attribute @ism:classification is specified with a value containing the token [TS].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00468">
  <sch:rule id="ISM-ID-00468-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:SCIcontrols, ('^KLM-R-[A-Z]{3}$'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS'))"
      flag="error"
      role="error">[ISM-ID-00468][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains a token starting with [KLM-R], then attribute
@ism:classification must have a value of [TS]. Human Readable: A USA document containing KLM-R subcompartment data must be classified TOP SECRET.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.354 - ../Rules/USGov/ISM\_ID\_00469.sch

### Rule Description

[ISM-ID-00469][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains a token starting with [KLM-R], then attribute @ism:disseminationControls must contain the name token [NF]. Human Readable: A USA document containing KLM-R subcompartment data must be marked for NO FOREIGN dissemination.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a token starting with [KLM-R], this rule ensures that attribute @ism:disseminationControls is specified with a value containing the token [NF].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00469">
  <sch:rule id="ISM-ID-00469-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:SCIcontrols, ('^KLM-R-[A-Z]{3}$'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
      flag="error"
      role="error">[ISM-ID-00469][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains a token starting with [KLM-R], then attribute
@ism:disseminationControls must contain the name token [NF]. Human Readable: A USA document containing KLM-R subcompartment data must be marked for NO FOREIGN dissemination.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.355 - ../Rules/USGov/ISM\_ID\_00470.sch

### Rule Description

[ISM-ID-00470][Error] If ISM\_USGOV\_RESOURCE and @ism:SCIcontrols contains a token matching [KLM-R-XXX], then @ism:disseminationControls cannot contain [OC-USGOV]. Human Readable: OC-USGOV cannot be used if KLM-R subcompartments are present.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE and @ism:SCIcontrols contains [KLM-R-XXX], then @ism:disseminationControls cannot contain [OC-USGOV].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00470">
  <sch:rule id="ISM-ID-00470-R1"
    context="*[$ISM_USGOV_RESOURCE and (util:containsAnyTokenMatching(@ism:SCIcontrols, ('^KLM-R-[A-Z]{3}$')))]">
    <sch:assert test="not(util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC-USGOV')))"
      flag="error"
      role="error">[ISM-ID-00470][Error] If ISM_USGOV_RESOURCE and @ism:SCIcontrols contains a token matching [KLM-R-XXX], then @ism:disseminationControls cannot
contain [OC-USGOV]. Human Readable: OC-USGOV cannot be used if KLM-R subcompartments are present.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.356 - ../Rules/USGov/ISM\_ID\_00471.sch

### Rule Description

[ISM-ID-00471][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains a name token starting with [KLM-R-], then attribute @ism:disseminationControls must contain the name token [OC]. Human Readable: A USA document containing KLM-R subcompartment data must be marked for ORIGINATOR CONTROLLED dissemination.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing a token starting with [KLM-R-] this rule ensures that attribute @ism:disseminationControls is specified with a value containing the token [OC].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00471">
  <sch:rule id="ISM-ID-00471-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyTokenMatching(@ism:SCIcontrols, ('^KLM-R-[A-Z]{3}$'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC'))"
      flag="error"
      role="error">[ISM-ID-00471][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains a name token starting with [KLM-R-], then attribute
@ism:disseminationControls must contain the name token [OC]. Human Readable: A USA document containing KLM-R subcompartment data must be marked for ORIGINATOR CONTROLLED dissemination.</
sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.357 - ../Rules/USGov/ISM\_ID\_00472.sch

### Rule Description

[ISM-ID-00472][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains the name token [MVL], then attribute @ism:classification must have a value of [TS]. Human Readable: A USA document containing MVL data must be classified TOP SECRET.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which specifies attribute @ism:SCIcontrols with a value containing the token [MVL], this rule ensures that attribute @ism:classification is specified with a value containing the token [TS].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00472">
  <sch:rule id="ISM-ID-00472-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:SCIcontrols, ('MVL'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:classification, ('TS'))"
      flag="error"
      role="error">[ISM-ID-00472][Error] If ISM_USGOV_RESOURCE and attribute @ism:SCIcontrols contains the name token [MVL], then attribute @ism:classification
must have a value of [TS]. Human Readable: A USA document containing MVL data must be classified TOP SECRET.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.358 - ../Rules/USGov/ISM\_ID\_00473.sch

### Rule Description

[ISM-ID-00473][Error] If ISM\_USGOV\_RESOURCE, PROPIN information (i.e. @ism:disseminationControls of the resource node contains [PR]) requires explicit Foreign Disclosure & Release (FD&R) markings ([REL], [RELIDO], [NF], [DISPLAYONLY] or [EYES]).

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, then any element that contains @ism:disseminationControls attribute contains [PR], the document must have one of: [REL], [RELIDO], [NF], [DISPLAYONLY] or [EYES].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<sch:pattern id="ISM-ID-00473">
  <sch:rule id="ISM-ID-00473-R1"
    context="*[$ISM_USGOV_RESOURCE and (util:containsAnyOfTheTokens(@ism:disseminationControls, ('PR')))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('REL','RELIDO','NF','DISPLAYONLY','EYES'))"
      flag="error"
      role="error">[ISM-ID-00473][Error] If ISM_USGOV_RESOURCE, PROPIN information (i.e. @ism:disseminationControls of the resource node contains [PR]) requires
explicit Foreign Disclosure & Release (FD&R) markings ([REL], [RELIDO], [NF], [DISPLAYONLY] or [EYES]).</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.359 - ../Rules/USGov/ISM\_ID\_00474.sch

### Rule Description

[ISM-ID-00474][Warning] If ISM\_USGOV\_RESOURCE and attribute @ism:SCIcontrols contains the name token [HCS], then attribute @ism:SCIcontrols MUST include one of the tokens [HCS-O], [HCS-P] or [HCS-X].

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, then for any element that has attribute @ism:SCIcontrols containing the name token [HCS], the element MUST have @ism:SCIcontrols containing have one of: [HCS-O], [HCS-P] or [HCS-X].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00474">
  <sch:rule id="ISM-ID-00474-R1"
    context="*[$ISM_USGOV_RESOURCE and (util:containsAnyOfTheTokens(@ism:SCIcontrols, ('HCS')))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('HCS-O','HCS-P','HCS-X'))"
      flag="warning"
      role="warning">[ISM-ID-00474][Warning] HCS information requires one of the HCS compartments: [HCS-O], [HCS-P] or [HCS-X]. There are special exemption cases
outlined in the IC Markings Register and Manual. Data marked HCS without a compartment and unable to be positively determined to be O, P, or X MUST NOT be shared with entities who do not have
all three HCS compartments. Seek your Information System Security Manager's (ISSM's) guidance.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.360 - ../Rules/USGov/ISM\_ID\_00475.sch

### Rule Description

[ISM-ID-00475][Error] If ISM\_USCUI\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, and there exists a token in @ism:cuiSpecified on the ISM\_RESOURCE\_ELEMENT and no compilation reason, then the token must also be specified in the @ism:cuiSpecified attribute on at least one portion. Human Readable: All CUI Specified category markings specified at the resource level must be found in a contributing portion of the document unless there is a compilation reason of the exception.

### Code Description

If ISM\_USCUI\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, and attribute @ism:cuiSpecified of ISM\_RESOURCE\_ELEMENT exists and attribute @ism:compilationReason does not have a value, then this rule ensures that at least one element meeting ISM\_CONTRIBUTES specifies attribute @ism:cuiSpecified with each value specified on the ISM\_RESOURCE\_ELEMENT.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00475">
  <sch:rule id="ISM-ID-00475-R1"
    context="*[( $ISM_USCUI_RESOURCE or $ISM_USCUIONLY_RESOURCE) and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and @ism:cuiSpecified and string-
length(normalize-space(@ism:compilationReason)) = 0]">
    <sch:let name="missingCuiSpecified"
      value="for $token in tokenize(@ism:cuiSpecified, ' ') return if (index-of(distinct-values($partCuiSpecified), $token) &gt; 0) then null else $token"/>
    <sch:assert test="count($missingCuiSpecified) = 0" flag="error" role="error">[ISM-ID-00475][Error] All CUI Specified category markings specified at the resource level
must be found in a contributing portion of the document unless there is a compilation reason of the exception. The following tokens were found to be missing from the portions:
    <sch:value-of select="string-join($missingCuiSpecified, ', ')" />.
  </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.361 - ../Rules/USGov/ISM\_ID\_00476.sch

### Rule Description

[ISM-ID-00476][Error] If @ism:compliesWith="USA-CUI-ONLY" then attributes @ism:SCIcontrols, @ism:SARIdentifier, @ism:atomicEnergyMarkings, @ism:FGIsourceOpen and @ism:FGIsourceProtected must not be specified.

### Code Description

If the document has @ism:compliesWith="USA-CUI-ONLY", as defined in variable ISM\_USCUIONLY\_RESOURCE, this rule ensures that NONE of the following attributes are specified: @ism:SCIcontrols, @ism:SARIdentifier, @ism:atomicEnergyMarkings, @ism:FGIsourceOpen and @ism:FGIsourceProtected .

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00476">
  <sch:rule id="ISM-ID-00476-R1" context="*[$ISM_USCUIONLY_RESOURCE]">
    <sch:assert test="not(@ism:SARIdentifier or @ism:SCIcontrols or @ism:atomicEnergyMarkings or @ism:FGIsourceOpen or @ism:FGIsourceProtected)"
      flag="error"
      role="error">[ISM-ID-00476][Error] If @ism:compliesWith="USA-CUI-ONLY", then attributes @ism:SCIcontrols, @ism:SARIdentifier, @ism:atomicEnergyMarkings,
@ism:FGIsourceOpen and @ism:FGIsourceProtected must not be specified.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.362 - ../Rules/NTK/permssv-ent-role/ISM\_ID\_00477.sch

### Rule Description

[ISM-ID-00477][Error] Use of the Enterprise Role Permissive access policy requires the ROLE Profile DES.

### Code Description

If ntk:AccessProfile has an ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:enterprise:role:permissive', ntk:ProfileDes must be 'urn:us:gov:ic:ntk:profile:role'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00477">
  <sch:rule id="ISM-ID-00477-R1"
    context="ntk:AccessProfile[ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:enterprise:role:permissive']/ntk:ProfileDes">
    <sch:assert test=". = 'urn:us:gov:ic:ntk:profile:role'"
      flag="error"
      role="error">[ISM-ID-00477][Error] Use of the Enterprise Role Permissive access policy requires the ROLE Profile DES.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.363 - ../Rules/USGov/ISM\_ID\_00478.sch

### Rule Description

[ISM-ID-00478][Error] If the document has @ism:compliesWith containing the token [USA-CUI], then @ism:compliesWith cannot contain [USIC], because CUI has not yet been implemented in the IC. Human Readable: A document that contains CUI cannot be an IC document because CUI has not yet been implemented in the IC.

### Code Description

If the document is an ISM\_USCUI\_RESOURCE, then @ism:compliesWith cannot contain [USIC].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00478">
  <sch:rule id="ISM-ID-00478-R1"
    context="*[$ISM_USCUI_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)]">
    <sch:assert test="not(contains(@ism:compliesWith,'USIC'))"
      flag="error"
      role="error">[ISM-ID-00478][Error] If the document has @ism:compliesWith containing the token [USA-CUI], then @ism:compliesWith cannot contain [USIC],
because CUI has not yet been implemented in the IC. Human Readable: A document that contains CUI cannot be an IC document because CUI has not yet been implemented in the IC.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.364 - ../Rules/USGov/ISM\_ID\_00479.sch

### Rule Description

[ISM-ID-00479][Error] If @ism:compliesWith contains "USA-CUI" then there MUST be some other token in ism:compliesWith. Human Readable: If a document contains USA-CUI but is not USA-CUI-ONLY, then it must comply with some other authority such as USDOD.

### Code Description

If the document has @ism:compliesWith that contains "USA-CUI", this rule ensures that there is some other token in @ism:compliesWith. A document cannot have ism:compliesWith='USA-CUI'. It must have something like ism:compliesWith='CUI USGov USDOD'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00479">
  <sch:rule id="ISM-ID-00479-R1"
    context="//*[contains(@ism:compliesWith,'USA-CUI')] ">
    <sch:assert test="not(./@ism:compliesWith='USA-CUI')" flag="error" role="error">[ISM-ID-00479][Error] If @ism:compliesWith contains "USA-CUI" then there MUST some other
token in ism:compliesWith. Human Readable: If a document contains USA-CUI but is not USA-CUI-ONLY, then it must comply with some other authority such as USDOD.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.365 - ../Rules/USGov/ISM\_ID\_00480.sch

### Rule Description

[ISM-ID-00480][Warning] Attribute @ism:cuiBasic should not contain any values which will be deprecated.

### Code Description

For each element which specifies attribute @ism:cuiBasic, this rule ensures that the value of @ism:cuiBasic has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that cuiBasic value. If the current date is less than or equal to the date value in (@deprecated), then a deprecation warning will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00480" is-a="AttributeValueDeprecatedWarning">
  <sch:param name="ruleId" value="'ISM-ID-00480'"/>
  <sch:param name="context" value="*[@ism:cuiBasic]"/>
  <sch:param name="attrName" value="cuiBasic"/>
  <sch:param name="cveName" value="CVEnumISMCUIBasic"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.366 - ../Rules/USGov/ISM\_ID\_00481.sch

### Rule Description

[ISM-ID-00481][Warning] Attribute @ism:cuiSpecified should not contain any values which will be deprecated.

### Code Description

For each element which specifies attribute @ism:cuiSpecified, this rule ensures that the value of @ism:cuiSpecified has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that cuiSpecified value. If the current date is less than or equal to the date value in (@deprecated), then a deprecation warning will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00481" is-a="AttributeValueDeprecatedWarning">
  <sch:param name="ruleId" value="'ISM-ID-00481'"/>
  <sch:param name="context" value="*[@ism:cuiSpecified]"/>
  <sch:param name="attrName" value="cuiSpecified"/>
  <sch:param name="cveName" value="CVEnumISMCUISpecified"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.367 - ../Rules/USGov/ISM\_ID\_00482.sch

### Rule Description

[ISM-ID-00482][Error] Attribute @ism:cuiBasic must not contain values which have passed their deprecation date.

### Code Description

For each element which specifies attribute @ism:cuiBasic, this rule ensures that the value of @ism:cuiBasic has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that cuiBasic value. If the current date is greater than the date value in (@deprecated), then a deprecation error will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00482" is-a="AttributeValueDeprecatedError">
  <sch:param name="ruleId" value="'ISM-ID-00482'"/>
  <sch:param name="context" value="*[@ism:cuiBasic]"/>
  <sch:param name="attrName" value="cuiBasic"/>
  <sch:param name="cveName" value="CVEnumISMCUIBasic"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.368 - ../Rules/USGov/ISM\_ID\_00483.sch

### Rule Description

[ISM-ID-00483][Error] Attribute @ism:cuiSpecified must not contain values which have passed their deprecation date.

### Code Description

For each element which specifies attribute @ism:cuiSpecified, this rule ensures that the value of @ism:cuiSpecified has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that cuiSpecified value. If the current date is greater than the date value in (@deprecated), then a deprecation error will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00483" is-a="AttributeValueDeprecatedError">
  <sch:param name="ruleId" value="'ISM-ID-00483'"/>
  <sch:param name="context" value="*[@ism:cuiSpecified]"/>
  <sch:param name="attrName" value="cuiSpecified"/>
  <sch:param name="cveName" value="CVEnumISMCUISpecified"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.369 - ../Rules/USGov/ISM\_ID\_00484.sch

### Rule Description

[ISM-ID-00484][Error] All @ism:cuiBasic attributes must be of type NmTokens.

### Code Description

For all elements which contain an @ism:cuiBasic attribute, this rule ensures that the cuiBasic value matches the pattern defined for type NmTokens.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00484">
  <sch:rule id="ISM-ID-00484-R1" context="*[@ism:cuiBasic]">
    <sch:assert test="util:meetsType(@ism:cuiBasic, $NmTokensPattern)"
      flag="error"
      role="error">[ISM-ID-00484][Error] All @ism:cuiBasic attributes must be of type NmTokens.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.370 - ../Rules/USGov/ISM\_ID\_00485.sch

### Rule Description

[ISM-ID-00485][Error] All @ism:cuiSpecified attributes must be of type NmTokens.

### Code Description

For all elements which contain an @ism:cuiSpecified attribute, this rule ensures that the cuiSpecified value matches the pattern defined for type NmTokens.

### Schematron Code

```
<?ICEA pattern?>
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00485">
  <sch:rule id="ISM-ID-00485-R1" context="*[@ism:cuiSpecified]">
    <sch:assert test="util:meetsType(@ism:cuiSpecified, $NmTokensPattern)"
      flag="error"
      role="error">[ISM-ID-00485][Error] All @ism:cuiSpecified attributes must be of type NmTokens.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.371 - ../Rules/USGov/ISM\_ID\_00486.sch

### Rule Description

[ISM-ID-00486][Error] If ISM\_USCUIONLY\_RESOURCE or ISM\_USCUI\_RESOURCE then attribute @ism:nonICmarkings must not be specified.

### Code Description

If the document is ISM\_USCUIONLY\_RESOURCE or ISM\_USCUI\_RESOURCE, this rule ensures that @ism:nonICmarkings does not appear in the document.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00486">
  <sch:rule id="ISM-ID-00486-R1"
    context="*[( $ISM_USCUIONLY_RESOURCE or $ISM_USCUI_RESOURCE ) and (generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT))]">
    <sch:assert test="not(*/@ism:nonICmarkings)" flag="error" role="error">[ISM-ID-00486][Error] If ISM_USCUIONLY_RESOURCE or ISM_USCUI_RESOURCE then attribute
@ism:nonICmarkings must not be specified.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.372 - ../Rules/USGov/ISM\_ID\_00487.sch

### Rule Description

[ISM-ID-00487][Error] If ISM\_USCUI\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, and: 1. Any element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:cuiSpecified containing [FISA] AND 2. No element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:noticeType containing [FISA] and does not have attribute @ism:externalNotice with a value of [true]. Human Readable: USA documents containing FISA data in ism:cuiSpecified must also have a non-external FISA notice.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USCUI\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, for each element which meets ISM\_CONTRIBUTES and specifies attribute @ism:cuiSpecified with a value containing the token [FISA], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:noticeType with a value containing the token [FISA] and does not specify attribute @ism:externalNotice with a value of [true].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00487" is-a="DataHasCorrespondingNotice">
  <sch:param name="ruleId" value="'ISM-ID-00487'"/>
  <sch:param name="attrName" value="'cuiSpecified'"/>
  <sch:param name="attrValue" value="@ism:cuiSpecified"/>
  <sch:param name="noticeType" value="'FISA'"/>
  <sch:param name="dataType" value="'FISA'"/>
</sch:pattern>
```

## 11.373 - ../Rules/USGov/ISM\_ID\_00488.sch

### Rule Description

[ISM-ID-00488][Error] If ISM\_USCUIONLY\_RESOURCE, and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:cuiSpecified containing [FISA] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [FISA] and does not specify attribute @ism:externalNotice with a value of [true]. Human Readable: USA CUI-ONLY documents containing a non-external FISA notice must also have FISA data as a CUI Specified Category Marking.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USCUIONLY\_RESOURCE, and any element meets ISM\_CONTRIBUTES and specifies attribute @ism:noticeType with a value containing the token [FISA] and does not specify attribute @ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:cuiSpecified with a value containing the token [FISA].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00488" is-a="NoticeHasCorrespondingCUIData">
  <sch:param name="ruleId" value="'ISM-ID-00488'"/>
  <sch:param name="attrName" value="'cuiSpecified'"/>
  <sch:param name="dataType" value="'FISA'"/>
  <sch:param name="noticeType" value="'FISA'"/>
  <sch:param name="dataTokenList" value="$partCuiSpecified_tok"/>
</sch:pattern>
```

## 11.374 - ../Rules/NTK/restrcv-ent-role/ISM\_ID\_00489.sch

### Rule Description

[ISM-ID-00489][Error] Use of the Enterprise Role Restrictive access policy requires the ROLE Profile DES.

### Code Description

If ntk:AccessProfile has an ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:enterprise:role:restrictive', then ntk:ProfileDes must be 'urn:us:gov:ic:ntk:profile:role'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00489">
  <sch:rule id="ISM-ID-00489-R1"
    context="ntk:AccessProfile[ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:enterprise:role:restrictive']/ntk:ProfileDes">
    <sch:assert test="." = 'urn:us:gov:ic:ntk:profile:role'
      flag="error"
      role="error">[ISM-ID-00489][Error] Use of the Enterprise Role Restrictive access policy requires the ROLE Profile DES.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.375 - ../Rules/NTK/restrcv-ent-role/ISM\_ID\_00490.sch

### Rule Description

[ISM-ID-00490][Error] Use of the Enterprise Role Restrictive access policy requires an Enterprise Role vocabulary type.

### Code Description

If ntk:AccessProfile has an ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:enterprise:role:restrictive', then ntk:AccessProfileValue/@ntk:vocabulary MUST be 'urn:us:gov:ic:cvenum:role:enterprise:role'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00490">
  <sch:rule id="ISM-ID-00490-R1"
    context="ntk:AccessProfile[ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:enterprise:role:restrictive']/ntk:VocabularyType">
    <sch:assert test="@ntk:source = 'urn:us:gov:ic:cvenum:role:enterprise:role'"
      flag="error"
      role="error">[ISM-ID-00490][Error] Use of the Enterprise Role Restrictive access policy requires an Enterprise Role vocabulary type.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.376 - ../Rules/USGov/ISM\_ID\_00491.sch

### Rule Description

[ISM-ID-00491][Error] If ISM\_USCUI\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, and: 1. Any element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:cuiSpecified containing [SSI] AND 2. No element meeting ISM\_CONTRIBUTES in the document has the attribute @ism:noticeType containing [SSI] and does not have attribute @ism:externalNotice with a value of [true]. Human Readable: USA documents containing SSI data in ism:cuiSpecified must also have a non-external SSI notice.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USCUI\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, for each element which meets ISM\_CONTRIBUTES and specifies attribute @ism:cuiSpecified with a value containing the token [SSI], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:noticeType with a value containing the token [SSI] and does not specify attribute @ism:externalNotice with a value of [true].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00491" is-a="DataHasCorrespondingNotice">
  <sch:param name="ruleId" value="'ISM-ID-00491'"/>
  <sch:param name="attrName" value="'cuiSpecified'"/>
  <sch:param name="attrValue" value="@ism:cuiSpecified"/>
  <sch:param name="noticeType" value="'SSI'"/>
  <sch:param name="dataType" value="'SSI'"/>
</sch:pattern>
```

## 11.377 - ../Rules/USGov/ISM\_ID\_00492.sch

### Rule Description

[ISM-ID-00492][Error] If ISM\_USCUI\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, and: 1. No element without @ism:excludeFromRollup=true() in the document has the attribute @ism:cuiSpecified containing [SSI] AND 2. Any element without @ism:excludeFromRollup=true() in the document has the attribute @ism:noticeType containing [SSI] and does not specify attribute @ism:externalNotice with a value of [true]. Human Readable: USA CUI documents containing a non-external SSI notice must also have SSI data as a CUI Specified Category Marking.

### Code Description

This rule uses an abstract pattern to consolidate logic. If the document is an ISM\_USCUI\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, and any element meets ISM\_CONTRIBUTES and specifies attribute @ism:noticeType with a value containing the token [SSI] and does not specify attribute @ism:externalNotice with a value of [true], this rule ensures that an element meeting ISM\_CONTRIBUTES specifies attribute @ism:cuiSpecified with a value containing the token [SSI].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00492" is-a="NoticeHasCorrespondingCUIData">
  <sch:param name="ruleId" value="'ISM-ID-00492'"/>
  <sch:param name="attrName" value="'cuiSpecified'"/>
  <sch:param name="dataType" value="'SSI'"/>
  <sch:param name="noticeType" value="'SSI'"/>
  <sch:param name="dataTokenList" value="$partCuiSpecified_tok"/>
</sch:pattern>
```

## 11.378 - ../Rules/NTK/grp-ind/ISM\_ID\_00493.sch

### Rule Description

[ISM-ID-00493][Error] If a document contains the CUI dissemination marking [DL\_ONLY], it must contain an ntk:ProfileDes element with type 'grp-ind'.

### Code Description

If a document contains the CUI dissemination marking [DL\_ONLY], then there must be an ntk:ProfileDes element with value = 'urn:us:gov:ic:ntk:profile:grp-ind'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00493">
  <sch:rule id="ISM-ID-00493-R1"
    context="*[( $ISM_USCUI_RESOURCE or $ISM_USCUIONLY_RESOURCE) and (generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)) and contains(./
@ism:disseminationControls, 'DL_ONLY')]">
    <sch:assert test="//ntk:ProfileDes[. = 'urn:us:gov:ic:ntk:profile:grp-ind']"
      flag="error"
      role="error">[ISM-ID-00493][Error] If a document contains the CUI dissemination marking [DL_ONLY], it must contain an ntk:ProfileDes element with type 'grp-
ind'.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.379 - ../Rules/USGov/ISM\_ID\_00494.sch

### Rule Description

[ISM-ID-00494][Error] If ISM\_USCUI\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, then if the document contains a PROPIN CUI Category marking (either Basic or Specified), then the document MUST have PROPIN\_NTK metadata. Human Readable: PROPIN CUI information (either @ism:cuiBasic or @ism:cuiSpecified contains 'PROPIN') requires PROPIN NTK metadata.

### Code Description

If the document is an ISM\_USCUI\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, and the resource node's @ism:cuiBasic or @ism:cuiSpecified attribute contains [PROPIN], then the document must have PROPIN NTK profile metadata. That is, there must be an NTK assertion with an ntk:AccessPolicy value that starts with 'urn:us:gov:ic:aces:ntk:propin:'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00494">
  <sch:rule id="ISM-ID-00494-R1"
    context="*[( $ISM_USCUI_RESOURCE or $ISM_USCUIONLY_RESOURCE) and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and
( util:containsAnyOfTheTokens(@ism:cuiBasic, ('PROPIN')) or util:containsAnyOfTheTokens(@ism:cuiSpecified, ('PROPIN')) ) ]">
    <sch:assert test="/*/ntk:AccessPolicy[starts-with(., 'urn:us:gov:ic:aces:ntk:propin:')] "
      flag="error"
      role="error">[ISM-ID-00494][Error] If ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE, then if the document contains a PROPIN CUI Category marking (either
Basic or Specified), then the document MUST have PROPIN_NTK metadata. Human Readable: PROPIN CUI information (either @ism:cuiBasic or @ism:cuiSpecified contains 'PROPIN') requires PROPIN NTK
metadata.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.380 - ../Rules/USGov/ISM\_ID\_00495.sch

### Rule Description

[ISM-ID-00495][Error] If @ism:compliesWith="USA-CUI-ONLY" then attributes @ism:classification and @ism:ownerProducer must not be specified.

### Code Description

If the document has @ism:compliesWith="USA-CUI-ONLY", as defined in variable ISM\_USCUIONLY\_RESOURCE, this rule ensures that NONE of the following attributes are specified: @ism:classification and @ism:ownerProducer.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00495">
  <sch:rule id="ISM-ID-00495-R1" context="*[@ism:* and $ISM_USCUIONLY_RESOURCE]">
    <sch:assert test="not(@ism:classification or @ism:ownerProducer)"
              flag="error"
              role="error">[ISM-ID-00495][Error] If @ism:compliesWith="USA-CUI-ONLY" then attributes @ism:classification and @ism:ownerProducer must not be specified.</
sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.381 - ../Rules/USGov/ISM\_ID\_00496.sch

### Rule Description

[ISM-ID-00496][Error] If @ism:compliesWith contains "USA-CUI-ONLY", then there cannot be any other tokens in @ism:compliesWith.

### Code Description

If the document has @ism:compliesWith that contains "USA-CUI-ONLY", this rule ensures that there are no other tokens in @ism:compliesWith.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00496">
  <sch:rule id="ISM-ID-00496-R1"
    context="//*[contains(@ism:compliesWith,'USA-CUI-ONLY')] ">
    <sch:assert test="./@ism:compliesWith='USA-CUI-ONLY'" flag="error" role="error">[ISM-ID-00496][Error] If @ism:compliesWith contains "USA-CUI-ONLY", then there cannot be
any other tokens in @ism:compliesWith.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.382 - ../Rules/USGov/ISM\_ID\_00497.sch

### Rule Description

[ISM-ID-00497][Error] If a document contains either @ism:cuiBasic or @ism:cuiSpecified, then the document must contain @ism:cuiControlledBy.

### Code Description

If a document contains one or both of @ism:cuiBasic or @ism:cuiSpecified on the resource element, this rule ensures that the document contains @ism:cuiControlledBy.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00497">
  <sch:rule id="ISM-ID-00497-R1"
    context="*[( $ISM_USCUI_RESOURCE or $ISM_USCUIONLY_RESOURCE) and (generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)) and (@ism:cuiBasic or @ism:cuiSpecified)]">
    <sch:assert test="@ism:cuiControlledBy" flag="error" role="error">[ISM-ID-00497][Error] If a document contains either @ism:cuiBasic or @ism:cuiSpecified, then the
document must contain @ism:cuiControlledBy.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.383 - ../Rules/USGov/ISM\_ID\_00498.sch

### Rule Description

[ISM-ID-00498][Error] If a document contains @ism:cuiControlledBy, then it must contain at least one of @ism:cuiBasic or @ism:cuiSpecified.

### Code Description

If a document contains @ism:cuiControlledBy, then it must contain at least one of @ism:cuiBasic or @ism:cuiSpecified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00498">
  <sch:rule id="ISM-ID-00498-R1"
    context="*[( $ISM_USCUI_RESOURCE or $ISM_USCUIONLY_RESOURCE ) and (generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)) and @ism:cuiControlledBy]">
    <sch:assert test="@ism:cuiBasic or @ism:cuiSpecified" flag="error" role="error">[ISM-ID-00498][Error] If a document contains @ism:cuiControlledBy, then it must contain
at least one of @ism:cuiBasic or @ism:cuiSpecified.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.384 - ../Rules/USGov/ISM\_ID\_00499.sch

### Rule Description

[ISM-ID-00499][Error] If a document has @ism:complieswith="USA-CUI" or "USA-CUI-ONLY", then it must contain @ism:cuiControlledBy.

### Code Description

If a document has @ism:complieswith="USA-CUI" or "USA-CUI-ONLY", then it must contain @ism:cuiControlledBy.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00499">
  <sch:rule id="ISM-ID-00499-R1"
    context="*[( $ISM_USCUI_RESOURCE or $ISM_USCUIONLY_RESOURCE) and (generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT))]">
    <sch:assert test="@ism:cuiControlledBy" flag="error" role="error">[ISM-ID-00499][Error] If a document has @ism:complieswith="USA-CUI" or "USA-CUI-ONLY", then it must
contain @ism:cuiControlledBy.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.385 - ../Rules/USGov/ISM\_ID\_00500.sch

### Rule Description

[ISM-ID-00500][Error] If a document has @ism:cuiControlledBy, then it must have ism:complieswith="USA-CUI" or "USA-CUI-ONLY".

### Code Description

If a document has @ism:cuiControlledBy, then it must have ism:complieswith="USA-CUI" or "USA-CUI-ONLY".

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00500">
  <sch:rule id="ISM-ID-00500-R1"
    context="*[(generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)) and @ism:cuiControlledBy]">
    <sch:assert test="contains(@ism:compliesWith,'USA-CUI') or @ism:compliesWith='USA-CUI-ONLY'"
      flag="error"
      role="error">[ISM-ID-00500][Error] If a document has @ism:cuiControlledBy, then it must have ism:complieswith="USA-CUI" or "USA-CUI-ONLY".</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.386 - ../Rules/USGov/ISM\_ID\_00501.sch

### Rule Description

[ISM-ID-00501][Error] If a document has either or both of @ism:cuiDecontrolDate or @ism:cuiDecontrolEvent, then it must have @ism:complieswith="USA-CUI" or "USA-CUI-ONLY".

### Code Description

If a document has either or both of @ism:cuiDecontrolDate or @ism:cuiDecontrolEvent, then it must have @ism:complieswith="USA-CUI" or "USA-CUI-ONLY".

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00501">
  <sch:rule id="ISM-ID-00501-R1"
    context="*[(generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT)) and (@ism:cuiDecontrolDate or @ism:cuiDecontrolEvent)]">
    <sch:assert test="contains(@ism:compliesWith,'USA-CUI') or @ism:compliesWith='USA-CUI-ONLY'"
      flag="error"
      role="error">[ISM-ID-00501][Error] If a document has either or both of @ism:cuiDecontrolDate or @ism:cuiDecontrolEvent, then it must have
@ism:complieswith="USA-CUI" or "USA-CUI-ONLY".</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.387 - ../Rules/USGov/ISM\_ID\_00502.sch

### Rule Description

[ISM-ID-00502][Error] If ISM\_USCUI\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, and there exists a token in @ism:cuiBasic for portions that contribute to rollup, then all such tokens must also be specified in the @ism:cuiBasic attribute on the ISM\_RESOURCE\_ELEMENT. Human Readable: All CUI Basic category markings specified in the document that contribute to rollup must be rolled up to the resource level.

### Code Description

If the document is an ISM\_USCUI\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, match on the ISM\_RESOURCE\_ELEMENT. If there are any @ism:cuiBasic values specified on portions that are not @ism:excludeFromRollup="true", then ensure that all the tokens found exist on the matched resource element. If there are any tokens not present in the matched resource element that exist elsewhere in the document's contributing portions, store them in the missingCuiBasic variable. Then this rule ensures that the missingCuiBasic variable is empty or else return an error message that specifies which tokens are missing.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00502">
  <sch:rule id="ISM-ID-00502-R1"
    context="*[( $ISM_USCUI_RESOURCE or $ISM_USCUIONLY_RESOURCE) and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and count($partCuiBasic_tok) > 0]"><!--
Check that all distinct tokens in @ism:cuiBasic throughout the document that are not
@ism:excludeFromRollup="true" are present in the @ism:cuiBasic attribute of the
ISM_RESOURCE_ELEMENT. If not, then return the missing token to the variable -->

  <sch:let name="missingCuiBasic"
    value="for $token in distinct-values($partCuiBasic) return if (index-of(tokenize(@ism:cuiBasic, ' '), $token) > 0) then null else $token"/>
    <!-- check that the variable for missing ism:cuiBasic tokens is empty or error -->

  <sch:assert test="count($missingCuiBasic) = 0" flag="error" role="error">[ISM-ID-00502][Error] All CUI Basic category markings specified in the document that contribute to rollup must be
rolled up to the resource level. The following tokens were found to be missing from the resource element:
  <sch:value-of select="string-join($missingCuiBasic, ', ')" />.
</sch:assert>

  </sch:rule>
</sch:pattern>
```

## 11.388 - ../Rules/USGov/ISM\_ID\_00503.sch

### Rule Description

[ISM-ID-00503][Error] If ISM\_USCUI\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, and there exists a token in @ism:cuiSpecified for portions that contribute to rollup, then all such tokens must also be specified in the @ism:cuiSpecified attribute on the ISM\_RESOURCE\_ELEMENT. Human Readable: All CUI Specified category markings contained in the document that contribute to rollup must be rolled up to the resource level.

### Code Description

If the document is an ISM\_USCUI\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, match on the ISM\_RESOURCE\_ELEMENT. If there are any @ism:cuiSpecified values in portions that are not @ism:excludeFromRollup="true", then ensure that all the tokens found exist on the matched resource element. If there are any tokens not present in the matched resource element that exist elsewhere in the document's contributing portions, store them in the missingCuiSpecified variable. Then this rule ensures that the missingCuiSpecified variable is empty or else return an error message that specifies which tokens are missing.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00503">
  <sch:rule id="ISM-ID-00503-R1"
    context="*[( $ISM_USCUI_RESOURCE or $ISM_USCUIONLY_RESOURCE) and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and count($partCuiSpecified_tok) > 0]"><!-- Check that all distinct tokens in ism:cuiSpecified throughout the document that are not
      excludeFromRollup="true" are present in the ism:cuiSpecified attribute of the
      ISM_RESOURCE_ELEMENT. If not, then return the missing token to the variable -->

    <sch:let name="missingCuiSpecified"
      value="for $token in distinct-values($partCuiSpecified) return if (index-of(tokenize(@ism:cuiSpecified, ' '), $token) > 0) then null else $token"/>
      <!-- check that the variable for missing ism:cuiSpecified tokens is empty or error -->

    <sch:assert test="count($missingCuiSpecified) = 0" flag="error" role="error">[ISM-ID-00503][Error] All CUI Specified category markings in document portions that contribute to rollup must be
      rolled up to the resource level. The following tokens were found to be missing from the resource element:
      <sch:value-of select="string-join($missingCuiSpecified, ', ')" />.
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.389 - ../Rules/USGov/ISM\_ID\_00504.sch

### Rule Description

[ISM-ID-00504][Error] If ISM\_USCUI\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, and there exists a token in @ism:cuiBasic on the ISM\_RESOURCE\_ELEMENT and no compilation reason, then the token must also be specified in the @ism:cuiBasic attribute on at least one portion. Human Readable: All CUI Basic category markings specified at the resource level must be found in a contributing portion of the document unless there is a compilation reason of the exception.

### Code Description

If ISM\_USCUI\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, and attribute @ism:cuiBasic of ISM\_RESOURCE\_ELEMENT exists and attribute @ism:compilationReason does not have a value, then this rule ensures that at least one element meeting ISM\_CONTRIBUTES specifies attribute @ism:cuiBasic with each value specified on the ISM\_RESOURCE\_ELEMENT.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLDOWN VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00504">
  <sch:rule id="ISM-ID-00504-R1"
    context="*[( $ISM_USCUI_RESOURCE or $ISM_USCUIONLY_RESOURCE) and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and @ism:cuiBasic and string-length(normalize-space(@ism:compilationReason)) = 0]">
    <sch:let name="missingCuiBasic"
      value="for $token in tokenize(@ism:cuiBasic, ' ') return if (index-of(distinct-values($partCuiBasic), $token) > 0) then null else $token"/>
    <sch:assert test="count($missingCuiBasic) = 0" flag="error" role="error">[ISM-ID-00504][Error] All CUI Basic category markings specified at the resource level must be found in a contributing portion of the document unless there is a compilation reason of the exception. The following tokens were found to be missing from the portions:
      <sch:value-of select="string-join($missingCuiBasic, ', ')" />.
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.390 - ../Rules/USGov/ISM\_ID\_00505.sch

### Rule Description

[ISM-ID-00505][Error] All @ism:cuiBasic values must be defined in CVEnumISMCUIBasic.xml.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00505" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context" value="*[@ism:cuiBasic]"/>
  <sch:param name="searchTermList" value="@ism:cuiBasic"/>
  <sch:param name="list" value="$cuiBasicList"/>
  <sch:param name="errMsg"
    value="'[ISM-ID-00505][Error] All @ism:cuiBasic values must be defined in CVEnumISMCUIBasic.xml.'"/>
</sch:pattern>
```

## 11.391 - ../Rules/USGov/ISM\_ID\_00506.sch

### Rule Description

[ISM-ID-00506][Error] All @ism:cuiSpecified values must be defined in CVEnumISMCUISpecified.xml.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00506" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context" value="*[@ism:cuiSpecified]"/>
  <sch:param name="searchTermList" value="@ism:cuiSpecified"/>
  <sch:param name="list" value="$cuiSpecifiedList"/>
  <sch:param name="errMsg"
    value="'[ISM-ID-00506][Error] All @ism:cuiSpecified values must be defined in CVEnumISMCUISpecified.xml.'"/>
</sch:pattern>
```

## 11.392 - ../Rules/USGov/ISM\_ID\_00507.sch

### Rule Description

[ISM-ID-00507][Error] If (ISM\_USCUI\_RESOURCE or ISM\_USCUIONLY\_RESOURCE) and attribute @ism:disseminationControls contains one or more of the name tokens [AC] or [AWP], then attribute @ism:cuiBasic must contain the name token [PRIVILEGE]. Human Readable: A CUI document containing one of the CUI limited dissemination controls [AC] or [AWP] must be marked with the CUI Basic Category of [PRIVILEGE].

### Code Description

If the document is an (ISM\_USCUI\_RESOURCE or ISM\_USCUIONLY\_RESOURCE), for each element which specifies attribute @ism:disseminationControls contains one or more of the name tokens [AC] or [AWP], then attribute @ism:cuiBasic must contain the name token [PRIVILEGE].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00507">
  <sch:rule id="ISM-ID-00507-R1"
    context="*[( $ISM_USCUI_RESOURCE or $ISM_USCUIONLY_RESOURCE) and util:containsAnyOfTheTokens(@ism:disseminationControls, ('AC','AWP'))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:cuiBasic, ('PRIVILEGE'))"
      flag="error"
      role="error">[ISM-ID-00507][Error] If (ISM_USCUI_RESOURCE or ISM_USCUIONLY_RESOURCE) and attribute @ism:disseminationControls contains one or more of the
name tokens [AC] or [AWP], then attribute @ism:cuiBasic must contain the name token [PRIVILEGE]. Human Readable: A CUI document marked one or more of [AC] Attorney-Client and/or [AWP] Attorney
Work Product must be marked with the CUI Basic Category Marking of PRIVILEGE.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.393 - ../Rules/NTK/permssv-ent-role/ISM\_ID\_00508.sch

### Rule Description

[ISM-ID-00508][Error] Use of the Enterprise Role Permissive access policy requires an Enterprise Role vocabulary type.

### Code Description

If ntk:AccessProfile has an ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:enterprise:role:permissive', then ntk:AccessProfileValue/@ntk:vocabulary MUST be 'urn:us:gov:ic:cvenum:role:enterprise:role'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00508">
  <sch:rule id="ISM-ID-00508-R1"
    context="ntk:AccessProfile[ntk:AccessPolicy = 'urn:us:gov:ic:aces:ntk:enterprise:role:permissive']/ntk:VocabularyType">
    <sch:assert test="@ntk:source = 'urn:us:gov:ic:cvenum:role:enterprise:role'"
      flag="error"
      role="error">[ISM-ID-00508][Error] Use of the Enterprise Role Permissive access policy requires an Enterprise Role vocabulary type.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.394 - ../Rules/NTK/general/ISM\_ID\_00509.sch

### Rule Description

[ISM-ID-00509][Error] ntk:AccessProfileValue with vocabulary role:enterpriseRole must exist in the list of allowed EnterpriseRole values.

### Code Description

For ntk:AccessProfileValue whose @ntk:vocabulary is [role:enterpriseRole], invoke ValidateTokenValuesExistenceInList to check if the value is in the list of allowed EnterpriseRole values.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00509" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context"
    value="ntk:AccessProfile/ntk:AccessProfileValue[@ntk:vocabulary='role:enterpriseRole']"/>
  <sch:param name="searchTermList" value="."/>
  <sch:param name="list" value="$entRoleValueList"/>
  <sch:param name="errMsg"
    value="'[ISM-ID-00509][Error] ntk:AccessProfileValue with vocabulary role:enterpriseRole must exist in the list of allowed EnterpriseRole values.'"/>
</sch:pattern>
```

## 11.395 - ../Rules/general/ISM\_ID\_00510.sch

### Rule Description

[ISM-ID-00510][Error] arh:Security element must contain @ism:resourceElement attribute. Human Readable: arh:Security element must contain @ism:resourceElement attribute.

### Code Description

Find each instance of arh:Security in the document, test that it has @ism:resourceElement.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00510">
  <sch:rule id="ISM-ID-00510-R1" context="arh:Security">
    <sch:assert test="@ism:resourceElement" flag="error" role="error">[ISM-ID-00510][Error] arh:Security element must contain @ism:resourceElement attribute. Human
    Readable: arh:Security element must contain @ism:resourceElement attribute.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.396 - ../Rules/general/ISM\_ID\_00511.sch

### Rule Description

[ISM-ID-00511][Error] arh:Security/@ism:resourceElement attribute must be true. Human Readable: arh:Security element must contain @ism:resourceElement attribute and @ism:resourceElement must equal 'true'.

### Code Description

Find each instance of arh:Security in the document, test that it has @ism:resourceElement.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00511">
  <sch:rule id="ISM-ID-00511-R1" context="//arh:Security">
    <sch:assert test="@ism:resourceElement = true()" flag="error" role="error">[ISM-ID-00511][Error] arh:Security/@ism:resourceElement attribute must be true. Human
    Readable: arh:Security element must contain @ism:resourceElement attribute and @ism:resourceElement must equal 'true'.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.397 - ../Rules/USGov/ISM\_ID\_00512.sch

### Rule Description

[ISM-ID-00512][Error] If ISM\_USGOV\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, and attribute @ism:secondBannerLine contains the name token [HVCO], then attribute @ism:handleViaChannels must be specified. Human Readable: USA documents containing Handle Via Channels Only in the second banner line must specify to which channels the document is restricted.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, for each element which has attribute @ism:secondBannerLine specified with a value containing the token [HVCO] this rule ensures that attribute @ism:handleViaChannels is specified.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00512">
  <sch:rule id="ISM-ID-00512-R1"
    context="*[( $ISM_USGOV_RESOURCE or $ISM_USCUIONLY_RESOURCE) and util:containsAnyOfTheTokens(@ism:secondBannerLine, 'HVCO')]">
    <sch:assert test="@ism:handleViaChannels" flag="error" role="error">[ISM-ID-00512][Error] If ISM_USGOV_RESOURCE or ISM_USCUIONLY_RESOURCE, and attribute
@ism:secondBannerLine contains the name token [HVCO], then attribute @ism:handleViaChannels must be specified. Human Readable: USA documents containing Handle Via Channels Only in the second
banner line must specify to which channels the document is restricted.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.398 - ../Rules/USGov/ISM\_ID\_00513.sch

### Rule Description

[ISM-ID-00513][Error] If ISM\_USGOV\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, and attribute @ism:handleViaChannels is specified, then @ism:secondBannerLine MUST contain the name token [HVCO]. Human Readable: USA documents that specify Handle Via Channels MUST specify [HVCO] in the @ism:secondBannerLine attribute.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, for each element which has attribute @ism:handleViaChannels, the element MUST have @ism:secondBannerLine specified with a value containing the token [HVCO].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00513">
  <sch:rule id="ISM-ID-00513-R1"
    context="*[( $ISM_USGOV_RESOURCE or $ISM_USCUIONLY_RESOURCE) and not(util:containsAnyOfTheTokens(@ism:secondBannerLine, 'HVCO'))]">
    <sch:assert test="not(@ism:handleViaChannels)" flag="error" role="error">[ISM-ID-00513][Error] If ISM_USGOV_RESOURCE or ISM_USCUIONLY_RESOURCE, and attribute
@ism:handleViaChannels is specified, then @ism:secondBannerLine MUST contain the name token [HVCO]. Human Readable: USA documents that specify Handle Via Channels MUST specify [HVCO] in the
@ism:secondBannerLine attribute.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.399 - ../Rules/USGov/ISM\_ID\_00514.sch

### Rule Description

[ISM-ID-00514][Warning] Attribute @ism:secondBannerLine should not contain any values which will be deprecated.

### Code Description

For each element which specifies attribute @ism:secondBannerLine, this rule ensures that the value of @ism:secondBannerLine has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that secondBannerLine value. If the current date is less than or equal to the date value in (@deprecated), then a deprecation warning will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00514" is-a="AttributeValueDeprecatedWarning">
  <sch:param name="ruleId" value="'ISM-ID-00514'"/>
  <sch:param name="context" value="*[@ism:secondBannerLine]"/>
  <sch:param name="attrName" value="secondBannerLine"/>
  <sch:param name="cveName" value="CVEnumISMSecondBannerLine"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.400 - ../Rules/USGov/ISM\_ID\_00515.sch

### Rule Description

[ISM-ID-00515][Error] Attribute @ism:secondBannerLine must not contain values which have passed their deprecation date.

### Code Description

For each element which specifies attribute @ism:secondBannerLine, this rule ensures that the value of @ism:secondBannerLine has not been deprecated. This is indicated in the CVE file by an attribute (@deprecated) on the term element for that secondBannerLine value. If the current date is greater than the date value in (@deprecated), then a deprecation error will be given.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00515" is-a="AttributeValueDeprecatedError">
  <sch:param name="ruleId" value="'ISM-ID-00515'"/>
  <sch:param name="context" value="*[@ism:secondBannerLine]"/>
  <sch:param name="attrName" value="secondBannerLine"/>
  <sch:param name="cveName" value="CVEnumISMSecondBannerLine"/>
  <sch:param name="cveSpec" value="ISM"/>
</sch:pattern>
```

## 11.401 - ../Rules/USGov/ISM\_ID\_00516.sch

### Rule Description

[ISM-ID-00516][Error] All @ism:secondBannerLine attributes must be of type NmTokens.

### Code Description

For all elements which contain an @ism:secondBannerLine attribute, this rule ensures that the secondBannerLine value matches the pattern defined for type NmTokens.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER TYPECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00516">
  <sch:rule id="ISM-ID-00516-R1" context="*[@ism:secondBannerLine]">
    <sch:assert test="util:meetsType(@ism:secondBannerLine, $NmTokensPattern)"
      flag="error"
      role="error">[ISM-ID-00516][Error] All @ism:secondBannerLine attributes must be of type NmTokens.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.402 - ../Rules/USGov/ISM\_ID\_00517.sch

### Rule Description

[ISM-ID-00517][Error] All @ism:secondBannerLine values must be defined in CVEnumISMSecondBannerLine.xml.

### Code Description

This rule uses an abstract pattern to consolidate logic. It checks that the value in parameter \$searchTerm is contained in the parameter \$list. The parameter \$searchTerm is relative in scope to the parameter \$context. The value for the parameter \$list is a variable defined in the main document (ISM\_XML.sch), which reads values from a specific CVE file.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00517" is-a="ValidateTokenValuesExistenceInList">
  <sch:param name="context" value="*[@ism:secondBannerLine]"/>
  <sch:param name="searchTermList" value="@ism:secondBannerLine"/>
  <sch:param name="list" value="$secondBannerLineList"/>
  <sch:param name="errMsg"
    value="'[ISM-ID-00517][Error] All @ism:secondBannerLine values must be defined in CVEnumISMSecondBannerLine.xml.'"/>
</sch:pattern>
```

## 11.403 - ../Rules/USGov/ISM\_ID\_00518.sch

### Rule Description

[ISM-ID-00518][Error] For ism:Notice or ism:NoticeExternal, if @ism:noticeProseID is present then ism:NoticeText is prohibited.

### Code Description

This rule ensures that for ism:Notice or ism:NoticeExternal, if @ism:noticeProseID is present then ism:NoticeText is prohibited.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00518">
  <sch:rule id="ISM-ID-00518-R1"
    context="ism:Notice[$ISM_USGOV_RESOURCE and exists(@ism:noticeProseID)] | ism:NoticeExternal[$ISM_USGOV_RESOURCE and exists(@ism:noticeProseID)]">
    <sch:assert test="not(exists(../ism:NoticeText))" flag="error" role="error">[ISM-ID-00518][Error] For ism:Notice or ism:NoticeExternal, if @ism:noticeProseID is present
then ism:NoticeText is prohibited.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.404 - ../Rules/USGov/ISM\_ID\_00519.sch

### Rule Description

[ISM-ID-00519][Error] For ism:Notice or ism:NoticeExternal, if @ism:noticeProseID is absent then ism:NoticeText is required.

### Code Description

This rule ensures that for ism:Notice or ism:NoticeExternal, if @ism:noticeProseID is absent then ism:NoticeText is required.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00519">
  <sch:rule id="ISM-ID-00519-R1"
    context="ism:Notice[$ISM_USGOV_RESOURCE and not(exists(@ism:noticeProseID))] | ism:NoticeExternal[$ISM_USGOV_RESOURCE and not(exists(@ism:noticeProseID))]">
    <sch:assert test="exists(../ism:NoticeText)" flag="error" role="error">[ISM-ID-00519][Error] For ism:Notice or ism:NoticeExternal, if @ism:noticeProseID is absent then
ism:NoticeText is required.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.405 - ../Rules/general/ISM\_ID\_00520.sch

### Rule Description

[ISM-ID-00520][Error] Regardless of the version indicated on the instance document, the validation infrastructure MUST use a version of 'ROLE' that is version '202111' (Version:2021-NOV) or later. NOTE: This is not an error of the instance document but of the validation environment itself.

### Code Description

This rule uses an abstract pattern to consolidate logic. It verifies that the validation infrastructure is using the version specified in parameters.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="INFRASTRUCTURE"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00520" is-a="ValidateValidationEnvCVE">
  <sch:param name="MinVersion" value="'202111'"/>
  <sch:param name="SpecToCheck" value="'ROLE'"/>
  <sch:param name="pathToDocument"
    value="'../..../CVE/ROLE/CVEnumROLEEC2SFunction.xml'"/>
  <sch:param name="RuleID" value="'ISM-ID-00520'"/>
</sch:pattern>
```

## 11.406 - ../Rules/USGov/ISM\_ID\_00521.sch

### Rule Description

[ISM-ID-00521][Error] If ISM\_USGOV\_RESOURCE and any element: 1. Meets ISM\_CONTRIBUTES AND 2. Has the attribute @ism:disseminationControls containing [REL] Then the ISM\_RESOURCE\_ELEMENT MUST have attribute @ism:disseminationControls containing either [REL], [DISPLAYONLY] or [NF]. Human Readable: USA documents with any portion that is REL must be one of REL, DISPLAYONLY or NF at the resource level.

### Code Description

If the document is an ISM\_CAPCO\_RESOURCE, and some element meeting ISM\_CONTRIBUTES specifies attribute @ism:disseminationControls with a value containing [REL], this rule ensures that ISM\_RESOURCE\_ELEMENT specifies attribute @ism:disseminationControls containing either the token [REL], [DISPLAYONLY] or [NF].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00521">
  <sch:rule id="ISM-ID-00521-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and index-of($partDisseminationControls_tok, 'REL') > 0]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('REL','DISPLAYONLY','NF'))"
      flag="error"
      role="error">[ISM-ID-00521][Error] If ISM_USGOV_RESOURCE and any element: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute @ism:disseminationControls
containing [REL] Then the ISM_RESOURCE_ELEMENT must have attribute @ism:disseminationControls containing either [REL], [DISPLAYONLY] or [NF]. Human Readable: USA documents with any portion
that is REL must be one of REL, DISPLAYONLY or NF at the resource level.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.407 - ../Rules/USGov/ISM\_ID\_00522.sch

### Rule Description

[ISM-ID-00522][Error] If ISM\_NSI\_EO\_APPLIES and the @ism:highWaterNATO attribute exists on a banner or portion, then @ism:FGIsourceOpen contains [NATO] or @ism:ownerProducer contains [NATO] or @ism:FGIsourceProtected contains [FGI]. Human Readable: For documents under E.O. 13526, the NATO high-water indicator can only exist on an element where either @ism:FGIsourceOpen contains [NATO] or @ism:ownerProducer contains [NATO] or @ism:FGIsourceProtected contains [FGI].

### Code Description

If ISM\_NSI\_EO\_APPLIES, then for each element which specifies attribute @ism:highWaterNATO, this rule ensures that at least one of the attributes @ism:ownerProducer or @ism:FGIsourceOpen is specified with a value of [NATO] or @ism:FGIsourceProtected is specified with a value of [FGI].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK STRUCTURECHECK BANNER"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00522">
  <sch:rule id="ISM-ID-00522-R1"
    context="*[$ISM_NSI_EO_APPLIES and @ism:highWaterNATO]">
    <sch:assert test="(matches(normalize-space(string(@ism:ownerProducer)), 'NATO') or matches(normalize-space(string(@ism:FGIsourceOpen)), 'NATO') or matches(normalize-space(string(@ism:FGIsourceProtected)), 'FGI'))"
      flag="error"
      role="error">[ISM-ID-00522][Error] If ISM_NSI_EO_APPLIES and the @ism:highWaterNATO attribute exists on a banner or portion, then @ism:FGIsourceOpen
contains [NATO] or @ism:ownerProducer contains [NATO] or @ism:FGIsourceProtected contains [FGI]. Human Readable: For documents under E.O. 13526, the NATO high-water indicator can only exist on
an element where either @ism:FGIsourceOpen contains [NATO] or @ism:ownerProducer contains [NATO] or @ism:FGIsourceProtected contains [FGI].</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.408 - ../Rules/USGov/ISM\_ID\_00523.sch

### Rule Description

[ISM-ID-00523][Error] If ISM\_NSI\_EO\_APPLIES and the @ism:FGIsorceOpen attribute contains [NATO] on a banner or portion, then a requirement exists that @ism:highWaterNATO also exists, otherwise the NATO data classification cannot be determined. Human Readable: For documents under E.O. 13526, if @ism:FGIsorceOpen contains [NATO], then @ism:highWaterNATO must exist.

### Code Description

If ISM\_NSI\_EO\_APPLIES, then the attribute @ism:highWaterNATO must exist when @ism:FGIsorceOpen contains [NATO].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK STRUCTURECHECK BANNER"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00523">
  <sch:rule id="ISM-ID-00523-R1"
    context="*[$ISM_NSI_EO_APPLIES and contains(@ism:FGIsorceOpen,'NATO')] ">
    <sch:assert test="@ism:highWaterNATO" flag="error" role="error">[ISM-ID-00523][Error] If ISM_NSI_EO_APPLIES and @ism:FGIsorceOpen contains [NATO] on a banner or
portion, then @ism:highWaterNATO must be present. Human Readable: For documents under E.O. 13526, the NATO high-water indicator must exist on an element when @ism:FGIsorceOpen contains
[NATO]</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.409 - ../Rules/USGov/ISM\_ID\_00524.sch

### Rule Description

[ISM-ID-00524][Error] If ISM\_NSI\_EO\_APPLIES and the @ism:highWaterNATO attribute exists on a banner or portion, then @ism:ownerProducer cannot be equal to 'NATO'. Human Readable: For documents under E.O. 13526, the NATO high-water indicator is not allowed where @ism:ownerProducer='NATO'. It is okay if @ism:ownerProducer contains 'NATO' and other tokens like 'USA'.

### Code Description

If ISM\_NSI\_EO\_APPLIES, then for each element which specifies attribute @ism:highWaterNATO, this rule produces an error if @ism:ownerProducer='NATO'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK STRUCTURECHECK BANNER"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00524">
  <sch:rule id="ISM-ID-00524-R1"
    context="*[$ISM_NSI_EO_APPLIES and @ism:highWaterNATO]">
    <sch:assert test="not(./@ism:ownerProducer='NATO')" flag="error" role="error">[ISM-ID-00524][Error] If ISM_NSI_EO_APPLIES and the @ism:highWaterNATO attribute exists on
a banner or portion, then @ism:ownerProducer cannot be equal to 'NATO'. Human Readable: For documents under E.O. 13526, the NATO high-water indicator is not allowed where
@ism:ownerProducer='NATO'. It is okay if @ism:ownerProducer contains 'NATO' and other tokens like 'USA'.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.410 - ../Rules/USGov/ISM\_ID\_00525.sch

### Rule Description

[ISM-ID-00525][Error] If ISM\_NSI\_EO\_APPLIES and the @ism:highWaterNATO attribute exists on a banner or portion, then @ism:highWaterNATO cannot be higher than @ism:classification. Human Readable: For documents under E.O. 13526, the NATO high-water indicator value cannot be higher than the classification value.

### Code Description

If ISM\_NSI\_EO\_APPLIES, then for each element which specifies attribute @ism:highWaterNATO, this rule checks the value of @ism:classification. If the value of @ism:highWaterNATO is 'NATO-TS' then @ism:classification must be 'TS'. If the value of @ism:highWaterNATO is 'NATO-S', then @ism:classification must be 'TS' or 'S'. If the value of @ism:highWaterNATO is 'NATO-C', then @ism:classification must be 'C', 'S' or 'TS'. If the value of @ism:highWaterNATO is 'NATO-R' then @ism:classification cannot be 'U'. If the value of @ism:highWaterNATO is 'NATO-U' then any value of classification is ok.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK STRUCTURECHECK BANNER"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00525">
  <sch:rule id="ISM-ID-00525-R1"
    context="*[$ISM_NSI_EO_APPLIES and @ism:highWaterNATO]">
    <sch:assert test="if (normalize-space(string(@ism:highWaterNATO))='NATO-TS' and normalize-space(string(@ism:classification))='TS') then true() else if (normalize-space(string(@ism:highWaterNATO))='NATO-S' and (normalize-space(string(@ism:classification))='S' or normalize-space(string(@ism:classification))='TS')) then true() else if (normalize-space(string(@ism:highWaterNATO))='NATO-C' and (normalize-space(string(@ism:classification))='TS' or normalize-space(string(@ism:classification))='S' or normalize-space(string(@ism:classification))='C')) then true() else if (normalize-space(string(@ism:highWaterNATO))='NATO-R' and not(normalize-space(string(@ism:classification))='U')) then true() else if (normalize-space(string(@ism:highWaterNATO))='NATO-U') then true() else false()"
      flag="error"
      role="error">[ISM-ID-00525][Error] If ISM_NSI_EO_APPLIES and the @ism:highWaterNATO attribute exists on a banner or portion, then @ism:highWaterNATO cannot be higher than @ism:classification. Human Readable: For documents under E.O. 13526, the NATO high-water indicator value cannot be higher than the classification value.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.411 - ../Rules/USGov/ISM\_ID\_00526.sch

### Rule Description

[ISM-ID-00526][Error] If ISM\_NSI\_EO\_APPLIES and the @ism:ownerProducer attribute contains multiple values on a banner or portion, one being NATO, then a requirement exists that @ism:highWaterNATO also exists, otherwise the NATO data classification cannot be determined. Human Readable: For documents under E.O. 13526, if @ism:ownerProducer attribute contains multiple values and NATO, then @ism:highWaterNATO must exist.

### Code Description

If ISM\_NSI\_EO\_APPLIES, then the attribute @ism:highWaterNATO must exist when @ism:ownerProducer attribute contains multiple values and NATO.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK STRUCTURECHECK BANNER"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00526">
  <sch:rule id="ISM-ID-00526-R1"
    context="*[$ISM_NSI_EO_APPLIES and contains(@ism:ownerProducer,'NATO') and not(@ism:ownerProducer='NATO')]">
    <sch:assert test="@ism:highWaterNATO" flag="error" role="error">[ISM-ID-00526][Error] If ISM_NSI_EO_APPLIES and @ism:ownerProducer attribute contains multiple values on
a banner or portion, one being NATO, then @ism:highWaterNATO must exist. Human Readable: For documents under E.O. 13526, the NATO high-water indicator must exist on an element when
@ism:ownerProducer attribute contains multiple values and NATO.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.412 - ../Rules/USDOD/ISM\_ID\_00527.sch

### Rule Description

[ISM-ID-00527][Warning] All resource elements that contain a DoD @ism:SARIdentifier attribute SHOULD contain attribute @ism:declassException.

### Code Description

For all resource elements which contain a DoD @ism:SARIdentifier attribute, this rule raises a WARNING flag that the resource element SHOULD also have an @ism:declassException attribute. DoD SARs are identified by an @ism:SARIdentifier that starts with 'SAR-DOD:'.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00527">
  <sch:rule id="ISM-ID-00527-R1"
    context="*[@ism:resourceElement='true' and @ism:SARIdentifier]">
    <sch:assert test="if ((some $token in tokenize(normalize-space(string(./@ism:SARIdentifier)), ' ') satisfies starts-with($token, 'SAR-DOD:')) and @ism:declassException)
then true() else if ((some $token in tokenize(normalize-space(string(./@ism:SARIdentifier)), ' ') satisfies starts-with($token, 'SAR-DOD:')) and not(@ism:declassException)) then false() else
true()"
      flag="warning"
      role="warning">[ISM-ID-00527][Warning] All resource elements that contain a DOD @ism:SARIdentifier attribute SHOULD contain attribute @ism:declassException.
Per the OSD Declassification Guide, there is an ISCAP Files Series Exemption (FSE) on records within DoD Special Access Programs (SAPs) files. This Exemption functions as a 25X, and therefore
the records in these files are exempted from automatic declassification for 50 years. This document does not apply any declassification exemption; recommend verifying that this is correct.</
sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.413 - ../Rules/USGov/ISM\_ID\_00528.sch

### Rule Description

[ISM-ID-00528][Error] If ISM\_USGOV\_RESOURCE and if @ism:disseminationControls contains the token [EXEMPT\_FROM\_ICD501\_DISCOVERY] for portions that contribute to rollup then [EXEMPT\_FROM\_ICD501\_DISCOVERY] must also be specified in the @ism:disseminationControls attribute on the ISM\_RESOURCE\_ELEMENT. Human Readable: If the token [EXEMPT\_FROM\_ICD501\_DISCOVERY] is found in any @ism:disseminationControls in portions that contribute to rollup, then @disseminationControls=[EXEMPT\_FROM\_ICD501\_DISCOVERY] must be rolled up to the resource level.

### Code Description

If ISM\_USGOV\_RESOURCE, find the ISM\_RESOURCE\_ELEMENT and determine if there are any @ism:disseminationControls in portions that contribute to rollup. If there are any @ism:disseminationControls containing the token [EXEMPT\_FROM\_ICD501\_DISCOVERY] in portions that are not @ism:excludeFromRollup="true", then ensure that the ISM\_RESOURCE\_ELEMENT has @ism:disseminationControls containing [EXEMPT\_FROM\_ICD501\_DISCOVERY].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER ROLLUP VALUECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00528">
  <sch:rule id="ISM-ID-00528-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and index-of($dcTagsFound,'EXEMPT_FROM_ICD501_DISCOVERY') > 0]"><!--
The context is the ISM_RESOURCE_ELEMENT for a document that is a USGOV resource and has
  @ism:disseminationControls containing EXEMPT_FROM_ICD501_DISCOVERY in portions that contribute to rollup. -->
<!-- If the token [EXEMPT_FROM_ICD501_DISCOVERY] is found in @ism:disseminationControls in any portion
      that contributes to rollup, then check whether the ISM_RESOURCE_ELEMENT has @ism:disseminationControls
      that contains [EXEMPT_FROM_ICD501_DISCOVERY]. If not, then error. -->

  <sch:assert test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('EXEMPT_FROM_ICD501_DISCOVERY'))"
    flag="error"
    role="error">[ISM-ID-00528][Error] If the token [EXEMPT_FROM_ICD501_DISCOVERY] is found in any @ism:disseminationControls in portions that contribute to
rollup, then @disseminationControls=[EXEMPT_FROM_ICD501_DISCOVERY] must be rolled up to the resource level.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.414 - ../Rules/USGov/ISM\_ID\_00529.sch

### Rule Description

[ISM-ID-00529][Error] All tokens in the @ism:SARIdentifier attribute MUST conform to the regex `^SAR-[A-Z]{3,}((C|S|TS):){0,1}[A-Za-z0-9._-]{1,}$`. Human Readable: All tokens in @ism:SARIdentifier must conform to a regular expression for: SAR-SourceAuthority:Classification:SAPmarking or SAR-SourceAuthority:SAPmarking.

### Code Description

For all tokens within an @ism:SARIdentifier attribute, this rule ensures that each token follows the regex `^SAR-[A-Z]{3,}((C|S|TS):){0,1}[A-Za-z0-9._-]{1,}$`

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00529">
  <sch:rule id="ISM-ID-00529-R1" context="*[@ism:SARIdentifier]">
    <sch:let name="nonmatchingTokens"
      value="for $token in tokenize(normalize-space(string(@ism:SARIdentifier)), ' ') return if (not(matches($token,'^SAR-[A-Z]{3,}((C|S|TS):){0,1}[A-Za-z0-9._-]{1,}$')) then $token else null"/>
    <sch:assert test="count($nonmatchingTokens) = 0" flag="error" role="error">[ISM-ID-00529][Error] All tokens in the @ism:SARIdentifier attribute MUST conform to the
    regex ^SAR-[A-Z]{3,}((C|S|TS):){0,1}[A-Za-z0-9._-]{1,}$ . Human Readable: All tokens in @ism:SARIdentifier must conform to a regular expression for: SAR-
    SourceAuthority:Classification:SAPmarking or SAR-SourceAuthority:SAPmarking.</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 11.415 - ../Rules/USGov/ISM\_ID\_00530.sch

### Rule Description

[ISM-ID-00530][Error] The tokens in @ism:SARIdentifier must start with a substring before : that exists in the SAR Source Authorities CVE.

### Code Description

For any token within @ism:SARIdentifier, invoke ValidateTokenValuePrefixesExistenceInList to check that the token's substring before : exists in the SAR Source Authorities CVE.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="VALUECHECK"?>
<!-- Original rule id: NTK-ID-00027 -->
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern id="ISM-ID-00530" is-a="ValidateTokenValuePrefixesExistenceInList">
  <sch:param name="context" value="*[@ism:SARIdentifier]"/>
  <sch:param name="searchTermList" value="./@ism:SARIdentifier"/>
  <sch:param name="afterText" value="'SAR-'"/>
  <sch:param name="prefix" value="':'"/>
  <sch:param name="list" value="$SARSourceAuthorityList"/>
  <sch:param name="errMsg"
    value="'[ISM-ID-00530][Error] The tokens in @ism:SARIdentifier must start with a substring before : that exists in the SAR Source Authorities CVE.'"/>
</sch:pattern>
```

## 11.416 - ../Rules/USGov/ISM\_ID\_00531.sch

### Rule Description

[ISM-ID-00531][Error] All resource elements with SAR markings that contain @ism:compliesWith="USGov USDOD USIC" MUST contain only one token in @ism:SARIdentifier.

### Code Description

If there are multiple SARs and if ism:compliesWith contains both tokens [USIC] and [USDOD], then ERROR.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00531">
  <sch:rule id="ISM-ID-00531-R1"
    context="*[@ism:resourceElement='true' and @ism:SARIdentifier and $ISM_USDOD_RESOURCE and $ISM_USIC_RESOURCE]">
    <sch:assert test="util:countSARmarkings(./@ism:SARIdentifier) = 1"
      flag="error"
      role="error">[ISM-ID-00531][Error] All resource elements with SAR markings that contain @ism:compliesWith="USGov USDOD USIC" attribute MUST contain only one
token in @ism:SARIdentifier. This allows @ism:SARIdentifier to have multiple tokens, but disallows having multiple tokens and @ism:compliesWith containing both USDOD and USIC. This rule
satisfies requirements specified in the IC and DoD authoritative sources for SAP policies; DoD Directive 5205.07 - Special Access Program (SAP) Policy and (2) IC Markings System Register and
Manual.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.417 - ../Rules/USGov/ISM\_ID\_00532.sch

### Rule Description

[ISM-ID-00532][Error] For all elements with @ism:SARIdentifier with tokens that include classification portion marks (e.g., DOD:TS:aaaa or DOD:C:bbbb), the value of the classification portion mark cannot be higher than @ism:classification on the same element. Human Readable: For @ism:SARIdentifier tokens that include classification portion marks in their values, the classification portion mark cannot be higher than the classification value. Note that some @ism:SARIdentifier tokens may not contain classification portion marks, e.g., DNI:kkkk; the rule does not apply to these tokens.

### Code Description

For all elements with @ism:SARIdentifier with tokens that include classification portion marks (e.g., DOD:TS:aaaa or DOD:C:bbbb), check the value of the classification portion mark, which is found between two colons ':' according to the regex for SARs. The logic uses the fact that if, for example, ':TS:' is found anywhere in @ism:SARIdentifier, then the classification of the element should be 'TS'. The rule logic is as follows. If there is ':TS:' the @ism:SARIdentifier, then @ism:classification must be 'TS'. Otherwise, if there is ':S:' in the @ism:SARIdentifier, then @ism:classification must be 'S' or 'TS'. Otherwise, if there is ':C:' in the @ism:SARIdentifier, then @ism:classification must be 'C' or 'S' or 'TS'. Otherwise, according to the regex, there is no classification portion marking in any of the tokens in @ism:SARIdentifier, so do not check against @ism:classification.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="PORTION VALUECHECK STRUCTURECHECK BANNER"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00532">
  <sch:rule id="ISM-ID-00532-R1" context="*[@ism:SARIdentifier]">
    <sch:assert test="if (contains(string(./@ism:SARIdentifier),':TS:')) then (if (normalize-space(string(./@ism:classification))='TS') then true() else false() ) else if
(contains(string(./@ism:SARIdentifier),':S:')) then (if ((normalize-space(string(./@ism:classification))='S' or normalize-space(string(./@ism:classification))='TS')) then true() else false() )
else if (contains(string(./@ism:SARIdentifier),':C:')) then (if ((normalize-space(string(./@ism:classification))='TS' or normalize-space(string(./@ism:classification))='S' or normalize-
space(string(./@ism:classification))='C')) then true() else false() ) else if (not(contains(./@ism:SARIdentifier,':TS:') or contains(string(./@ism:SARIdentifier),':S:') or contains(./
@ism:SARIdentifier,':C:')))) then true() else false()"
      flag="error"
      role="error">[ISM-ID-00532][Error] For all elements with ism:SARIdentifier with tokens that include classification portion marks (e.g., DOD:TS:aaaa or
DOD:C:bbbb), the value of the classification portion mark cannot be higher than @ism:classification on the same element. Human Readable: For @ism:SARIdentifier tokens that include
classification portion marks in their values, the classification portion mark cannot be higher than the classification value. Note that some @ism:SARIdentifier tokens may not contain
classification portion marks, e.g., DNI:kkkk; the rule does not apply to these tokens.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.418 - ../Rules/USGov/ISM\_ID\_00533.sch

### Rule Description

[ISM-ID-00533][Error] All resource elements with three or more @ism:SARIdentifier tokens will result in an error when @ism:compliesWith are both DoD and IC.

### Code Description

If there are 3 or more SARs in the resource node and if ism:compliesWith contains both tokens [USIC] and [USDOD], then ERROR.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00533">
  <sch:rule id="ISM-ID-00533-R1"
    context="*[@ism:resourceElement='true' and @ism:SARIdentifier and $ISM_USDOD_RESOURCE and $ISM_USIC_RESOURCE]">
    <sch:assert test="util:countSARmarkings(./@ism:SARIdentifier) < 3"
      flag="error"
      role="error">[ISM-ID-00533][Error] All resource elements that contain @ism:compliesWith="USGov USDOD USIC" attribute MUST contain no more than two (2)
tokens in @ism:SARIdentifier. This rule satisfies requirements specified in the IC and DoD authoritative sources for SAP policies; [1] DoD Directive 5205.07 - Special Access Program (SAP)
Policy and [2] IC Markings System Register and Manual.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.419 - ../Rules/USGov/ISM\_ID\_00534.sch

### Rule Description

[ISM-ID-00534][Error] All elements with @ism:SARIdentifier token(s) containing a dash (-) (excluding the SAR- prefix) will result in an error when @ism:compliesWith are both DoD and IC. DoD and IC rules differ on how to render SAP markings containing dashes; therefore, it is not allowed to have SAPs with dashes in a document that complies with both DoD and IC rules.

### Code Description

Find elements with @ism:SARIdentifier when @ism:compliesWith contains both 'USDOD' and 'USIC' (\$ISM\_USDOD\_RESOURCE and \$ISM\_USIC\_RESOURCE). If there is any dash in @ism:SARIdentifier after the SAR- prefix, then ERROR.

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00534">
  <sch:rule id="ISM-ID-00534-R1"
    context="*[@ism:SARIdentifier and $ISM_USDOD_RESOURCE and $ISM_USIC_RESOURCE]">
    <sch:let name="SARsWithDashes"
      value="for $token in tokenize(normalize-space(string(@ism:SARIdentifier)), ' ') return if (contains(substring-after($token,'SAR-'),'-')) then $token else
null"/>
    <sch:assert test="count($SARsWithDashes) = 0" flag="error" role="error">[ISM-ID-00534][Error] If there are any elements with a dash (-) in @ism:SARIdentifier (excluding
the SAR- prefix), then it is an ERROR if @ism:compliesWith="USGov USDOD USIC". This is an ERROR because IC rules state that a dash in @ism:SARIdentifier indicates a compartment or
subcompartment. A DoD @ism:SARIdentifier with a dash is just a plain SAP marking containing a dash; DoD SAPs do not have compartments or subcompartments. This means DoD and IC rules differ on
how to render SAP markings containing dashes; therefore, it is not allowed to have SAPs with dashes in a document that complies with both DoD and IC rules.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 11.420 - ../Rules/USGov/ISM\_ID\_00535.sch

### Rule Description

[ISM-ID-00535][Error] If ISM\_USGOV\_RESOURCE and attribute @ism:disseminationControls contains the name token [WAIVED], then attribute @ism:compliesWith must contain [USDOD]. Human Readable: USA documents containing the WAIVED dissemination control must comply with USDOD rules.

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, for each element which has attribute @ism:disseminationControls specified with a value containing the token [WAIVED], this rule ensures that attribute @ism:compliesWith contains [USDOD].

### Schematron Code

```
<?ICEA pattern?>
<?schematron-phases phaseids="BANNER PORTION STRUCTURECHECK"?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern id="ISM-ID-00535">
  <sch:rule id="ISM-ID-00535-R1"
    context="*[$ISM_USGOV_RESOURCE and util:containsAnyOfTheTokens(@ism:disseminationControls, ('WAIVED'))]">
    <sch:assert test="[$ISM_USDOD_RESOURCE" flag="error" role="error">[ISM-ID-00535][Error] If ISM_USGOV_RESOURCE and attribute @ism:disseminationControls contains the name
token [WAIVED], then attribute @ism:compliesWith must contain [USDOD]. Human Readable: USA documents containing the WAIVED dissemination control must comply with USDOD rules.</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## Chapter 12 - Abstract Patterns

All of the Abstract Patterns for ISM are listed in this section. These patterns may depend on variables defined in the Schematron Schema section.

## 12.1 - ./Lib/AttributeContributesToRollup.sch

### Code Description

If the document is an ISM\_USGOV\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies attribute @ism:\$attrLocalName with a value containing the token [\$value], then this rule ensures that the ISM\_RESOURCE\_ELEMENT specifies the attribute @ism:\$attrLocalName with a value containing the token [\$value].

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern abstract="true" id="AttributeContributesToRollup">
  <sch:rule id="AttributeContributesToRollup-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and (some $ele in $partTags satisfies util:containsAnyOfTheTokens($ele/
@ism:$attrLocalName, ('$value')))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:$attrLocalName, ('$value'))"
      flag="error"
      role="error">
      <sch:value-of select="$errorMessage"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.2 - ./Lib/AttributeContributesToRollupWithClassification.sch

### Code Description

If the document is an ISM\_USGOV\_RESOURCE, and the ISM\_RESOURCE\_ELEMENT specifies attribute @ism:classification with a value of \$resourceElementClassification an element meeting ISM\_CONTRIBUTES specifies attribute @ism:\$attrLocalName with a value containing the token [\$value], then this rule ensures that the ISM\_RESOURCE\_ELEMENT specifies the attribute @ism:\$attrLocalName with a value containing the token [\$value].

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern abstract="true" id="AttributeContributesToRollupWithClassification">
  <sch:rule id="AttributeContributesToRollupWithClassification-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:classification,
( '$resourceElementClassification' )) and (some $ele in $partTags satisfies util:containsAnyOfTheTokens($ele/@ism:$attrLocalName, ('$value')))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:$attrLocalName, ('$value'))"
      flag="error"
      role="error">
      <sch:value-of select="$errorMessage"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.3 - ./Lib/AttributeContributesToRollupWithException.sch

### Code Description

If the document is an ISM\_USGOV\_RESOURCE and an element meeting ISM\_CONTRIBUTES specifies attribute @ism:\$attrLocalName with a value containing the token [\$value] and the exception value(s) are not present, then this rule ensures that the ISM\_RESOURCE\_ELEMENT specifies the attribute @ism:\$attrLocalName with a value containing the token [\$value].

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern abstract="true" id="AttributeContributesToRollupWithException">
  <sch:rule id="AttributeContributesToRollupWithException-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and not(some $ele in $partTags satisfies util:containsAnyOfTheTokens($ele/
@ism:$exceptAttrLocalName, $exceptValueList)) and (some $ele in $partTags satisfies util:containsAnyOfTheTokens($ele/@ism:$attrLocalName, ('$value')))]">
    <sch:assert test="util:containsAnyOfTheTokens(@ism:$attrLocalName, ('$value'))"
      flag="error"
      role="error">
      <sch:value-of select="$errorMessage"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.4 - ../Lib/AttributeValueDeprecatedError.sch

### Code Description

Abstract pattern to ensure that an attribute does not contain a deprecated token. This pattern uses the deprecation dates in the CVE passed from the calling rule and the ISM\_RESOURCE\_CREATE\_DATE to determine if a token in the attribute is deprecated, which is an error. The context, CVE name, and Spec name are passed from the calling rule.

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern abstract="true" id="AttributeValueDeprecatedError">
  <sch:rule id="AttributeValueDeprecatedError-R1" context="$context">
    <sch:assert test="count( dvf:deprecated( string(@ism:$attrName), document('../..//CVE/$cveSpec/$cveName.xml')//cve:CVE/cve:Enumeration/cve:Term[./@deprecated],
$ISM_RESOURCE_CREATE_DATE, true() )=0"
      flag="error"
      role="error">[
  <sch:value-of select="$ruleId"/>][Error] For attribute
  <sch:value-of select="'$attrName'"/>, value(s)
  <sch:value-of select="dvf:deprecated( string(@ism:$attrName), document('../..//CVE/$cveSpec/$cveName.xml')//cve:CVE/cve:Enumeration/cve:Term[@deprecated], $ISM_RESOURCE_CREATE_DATE,
true() )"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.5 - ../Lib/AttributeValueDeprecatedWarning.sch

### Code Description

Abstract pattern used to warn that an attribute value has a deprecation date in its CVE but has not passed based on the ISM\_RESOURCE\_CREATE\_DATE of the resource. This pattern uses the deprecation dates in the CVE passed from the calling rule and the ISM\_RESOURCE\_CREATE\_DATE to determine if a token in the attribute has a depreciation date, which is a warning. The context, CVE name, and Spec name are passed from the calling rule.

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern abstract="true" id="AttributeValueDeprecatedWarning">
  <sch:rule id="AttributeValueDeprecatedWarning-R1" context="$context">
    <sch:assert test="count( dvf:deprecated( string(@ism:$attrName), document('../..../CVE/$cveSpec/$cveName.xml')//cve:CVE/cve:Enumeration/cve:Term[./@deprecated],
$ISM_RESOURCE_CREATE_DATE, false()))=0"
      flag="warning"
      role="warning">[
  <sch:value-of select="$ruleId"/>][Warning] For attribute
  <sch:value-of select="'$attrName'"/>, value(s)
  <sch:value-of select="dvf:deprecated(string(@ism:$attrName), document('../..../CVE/$cveSpec/$cveName.xml')//cve:CVE/cve:Enumeration/cve:Term[@deprecated],
$ISM_RESOURCE_CREATE_DATE, false())"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.6 - ./Lib/CheckCommonCountries.sch

### Code Description

Where an element is the resource element and contains either the @ism:releasableTo or @ism:displayOnlyTo attributes, check that the values specified meet minimum roll-up conditions. Check all contributing portions against the banner for the existence of common countries ensuring that the countries in the banner are the intersection of all contributing portions. Any tetragraphs whose decomposable flag is true will be decomposed into their representative countries. Once the minimum possibility of intersecting countries is determined, the rule checks that all portions of the banner are included in the subset. The rule then checks for the case where there are no common countries to be rolled up to the resource element. Finally, the rule checks to ensure that if the banner countries are a subset of the common countries, that a compilationReason is specified. If a compilationReason is not specified, then the banner displayOnlyTo countries must be the set of common countries from all contributing portions.

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<!-- Added 2016-03-31: Added helper abstract function to help in re-write of rules 318 & 320
      that calculate the common countries against either @ism:releasableTo or @ism:displayOnlyTo
      in the banner -->

<sch:pattern abstract="true" id="CheckCommonCountries">
  <sch:rule id="CheckCommonCountries-R1"
    context="*[generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and @ism:*[local-name() = $attrLocalName]]">
    <sch:assert test="count($calculatedBannerTokens) != 0"
      flag="error"
      role="error">[
  <sch:value-of select="$ruleId"/>][Error] The banner cannot have @ism:
  <sch:value-of select="$attrLocalName"/>because there is no common country in the contributing portions.
</sch:assert>
    <sch:assert test="if(count($calculatedBannerTokens) != 0 and @ism:compilationReason[normalize-space(.)]) then util:isSubsetOf($actualBannerTokens,
$calculatedBannerTokens) else true()"
      flag="error"
      role="error">[
  <sch:value-of select="$ruleId"/>][Error] The banner @ism:
  <sch:value-of select="$attrLocalName"/>must be a subset of the common countries for contributing portions because @ism:compilationReason is specified. Common countries: [
  <sch:value-of select="util:join($calculatedBannerTokens)"/>].
</sch:assert>
    <sch:assert test="if(count($calculatedBannerTokens) != 0 and not(@ism:compilationReason[normalize-space(.]))) then util:join(util:sort($calculatedBannerTokens)) =
util:join(util:sort($actualBannerTokens)) else true()"
      flag="error"
      role="error">[
  <sch:value-of select="$ruleId"/>][Error] The banner @ism:
  <sch:value-of select="$attrLocalName"/>must match the set of the common countries for contributing portions because @ism:compilationReason is not specified. Common countries: [
  <sch:value-of select="util:join($calculatedBannerTokens)"/>].
</sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.7 - ../Lib/DataHasCorrespondingNotice.sch

### Code Description

Abstract pattern to enforce that an appropriate notice exists for an element in \$partTags that has a notice requirement. The calling rule must pass \$elem, \$attrName, \$partTags, and \$noticeType.

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern abstract="true" id="DataHasCorrespondingNotice">
  <sch:rule id="DataHasCorrespondingNotice-R1"
    context="*[( $ISM_USGOV_RESOURCE or $ISM_USCUI_RESOURCE or $ISM_USCUIONLY_RESOURCE) and util:contributesToRollup(.) and util:containsAnyOfTheTokens($attrValue,
($dataType))]">
    <sch:assert test="some $elem in $partTags satisfies ($elem[@ism:noticeType] and util:containsAnyOfTheTokens($elem/@ism:noticeType, ($noticeType)) and not ($elem/
@ism:externalNotice=true()))"
      flag="error"
      role="error">[
  <sch:value-of select="$ruleId"/>][Error] If ISM_USGOV_RESOURCE, any element meeting ISM_CONTRIBUTES in the document has the attribute
  <sch:value-of select="$attrName"/>containing [
  <sch:value-of select="$dataType"/>], then some element meeting ISM_CONTRIBUTES in the document MUST have attribute noticeType containing [
  <sch:value-of select="$noticeType"/>].
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.8 - ../Lib/DataHasCorrespondingNoticeWithException.sch

### Code Description

For all elements that contribute to rollup when all of the following are true: (a) the given expression \$attrValue contains the given value \$noticeType (b) the given exception expression \$exceptAttrValue does not contain the given exception value \$exceptNoticeType (c) \$ISM\_USGOV\_RESOURCE is true Assert that some non-resource node element satisfies both (a) @ism:noticeType contains the \$noticeType token (b) not(@ism:externalNotice is true) This rule depends on \$partTags defined in the ISM\_XML.sch master Schematron file. The calling rule must pass \$attrValue, \$noticeType, \$exceptAttrValue, \$exceptNoticeType.

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern abstract="true" id="DataHasCorrespondingNoticeWithException">
  <sch:rule id="DataHasCorrespondingNoticeWithException-R1"
    context="*[$ISM_USGOV_RESOURCE and util:contributesToRollup(.) and util:containsAnyOfTheTokens($attrValue, ($noticeType)) and
not(util:containsAnyOfTheTokens($exceptAttrValue, ($exceptNoticeType)))]">
    <sch:assert test="some $elem in $partTags satisfies ($elem[@ism:noticeType] and util:containsAnyOfTheTokens($elem/@ism:noticeType, ($noticeType)) and not($elem/
@ism:externalNotice = true()))"
      flag="error"
      role="error">[
  <sch:value-of select="$ruleId"/>][Error] If ISM_USGOV_RESOURCE, any element meeting ISM_CONTRIBUTES in the document has the attribute
  <sch:value-of select="$attrName"/>containing [
  <sch:value-of select="$noticeType"/>], then some element meeting ISM_CONTRIBUTES in the document MUST have attribute noticeType containing [
  <sch:value-of select="$noticeType"/>].
  </sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 12.9 - ../Lib/DataHasCorrespondingNoticeWithRegex.sch

### Code Description

Abstract pattern to enforce that an appropriate notice exists for an element in \$partTags that has a notice requirement. The calling rule must pass \$elem, \$attrName, \$partTags, and \$noticeType.

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern abstract="true" id="DataHasCorrespondingNoticeWithRegex">
  <sch:rule id="DataHasCorrespondingNoticeWithRegex-R1"
    context="*[$ISM_USGOV_RESOURCE and util:contributesToRollup(.) and util:containsAnyTokenMatching($attrValue, ($dataTypeRegex))]">
    <sch:assert test="some $elem in $partTags satisfies ($elem[@ism:noticeType] and util:containsAnyOfTheTokens($elem/@ism:noticeType, ($noticeType)) and not ($elem/
@ism:externalNotice=true()))"
      flag="error"
      role="error">[
  <sch:value-of select="$ruleId"/>][Error] If ISM_USGOV_RESOURCE, any element meeting ISM_CONTRIBUTES in the document has the attribute
  <sch:value-of select="$attrName"/>containing [
  <sch:value-of select="$dataTypeRegex"/>], then some element meeting ISM_CONTRIBUTES in the document MUST have attribute noticeType containing [
  <sch:value-of select="$noticeType"/>].
  </sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 12.10 - ../Lib/MutuallyExclusiveAttributeValues.sch

### Code Description

Abstract pattern to ensure that mutually exclusive tokens do not exist in an attribute. The calling rule must pass \$attrValue and \$mutuallyExclusiveTokenList.

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<sch:pattern abstract="true" id="MutuallyExclusiveAttributeValues">
  <sch:rule id="MutuallyExclusiveAttributeValues-R1" context="$context">
    <sch:assert test="count( for $token in tokenize(normalize-space(string($attrValue)), ' ') return if($token = $mutuallyExclusiveTokenList) then 1 else null ) = 1"
      flag="error"
      role="error">
      <sch:value-of select="$errMsg" />
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.11 - ../Lib/NonCompilationDocumentRollup.sch

### Code Description

If ISM\_USGOV\_RESOURCE and attribute \$attrLocalName of ISM\_RESOURCE\_ELEMENT has a value of [\$value] and attribute @ism:compilationReason does not have a value, then this rule ensures that at least one element meeting ISM\_CONTRIBUTES specifies attribute \$attrLocalName with a value of [\$value].

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern abstract="true" id="NonCompilationDocumentRollup">
  <sch:rule id="NonCompilationDocumentRollup-R1"
    context="*[$ISM_USGOV_RESOURCE and generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT) and util:containsAnyOfTheTokens(@ism:$attrLocalName, ('$value')) and
string-length(normalize-space(@ism:compilationReason)) = 0]">
    <sch:assert test="some $ele in $partTags satisfies util:containsAnyOfTheTokens($ele/@ism:$attrLocalName, ('$value'))"
      flag="error"
      role="error">
      <sch:value-of select="$errorMessage"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.12 - ../Lib/NoticeHasCorrespondingCUIData.sch

### Code Description

Abstract pattern to ensure that for a given element in an ISM\_USCUIONLY\_RESOURCE with @ism:noticeType containing a specified token and ism:externalNotice not equal true, \$dataType exists in \$dataTokenList. The calling rule must pass \$dataType, \$noticeType and @dataTokenList.

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern abstract="true" id="NoticeHasCorrespondingCUIData">
  <sch:rule id="NoticeHasCorrespondingCUIData-R1"
    context="*[$ISM_USCUIONLY_RESOURCE and util:contributesToRollup(.) and not(@ism:externalNotice = true()) and util:containsAnyOfTheTokens(@ism:noticeType,
($noticeType))]">
    <sch:assert test="index-of($dataTokenList, $dataType) > 0"
      flag="error"
      role="error">[
<sch:value-of select="$ruleId"/>][Error] If ISM_USCUIONLY_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [
<sch:value-of select="$dataType"/>], then some element meeting ISM_CONTRIBUTES in the document MUST have attribute
<sch:value-of select="$attrName"/>containing [
<sch:value-of select="$dataType"/>]. Human Readable: USA documents containing an
<sch:value-of select="$dataType"/>notice must also have
<sch:value-of select="$dataType"/>data.
</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 12.13 - ../Lib/NoticeHasCorrespondingData.sch

### Code Description

Abstract pattern to ensure that for a given element in a document that is ISM\_USGOV\_RESOURCE with no CUI, with @ism:noticeType containing a specified token and @ism:externalNotice not equal true, \$dataType exists in \$dataTokenList. The calling rule must pass \$dataType, \$noticeType and @dataTokenList.

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern abstract="true" id="NoticeHasCorrespondingData">
  <sch:rule id="NoticeHasCorrespondingData-R1"
    context="*[$ISM_USGOV_RESOURCE and util:contributesToRollup(.) and not(@ism:externalNotice = true()) and util:containsAnyOfTheTokens(@ism:noticeType,
($noticeType))]">
    <sch:assert test="index-of($dataTokenList, $dataType) > 0"
      flag="error"
      role="error">[
<sch:value-of select="$ruleId"/>][Error] If ISM_USGOV_RESOURCE with no CUI, and any element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [
<sch:value-of select="$dataType"/>], then some element meeting ISM_CONTRIBUTES in the document MUST have attribute
<sch:value-of select="$attrName"/>containing [
<sch:value-of select="$dataType"/>]. Human Readable: USA documents containing an
<sch:value-of select="$dataType"/>notice must also have
<sch:value-of select="$dataType"/>data.
</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 12.14 - ../Lib/NoticeHasCorrespondingDataTwoPossibleTokens.sch

### Code Description

Abstract pattern to ensure that for a given element in a document that is ISM\_USGOV\_RESOURCE or ISM\_USCUIONLY\_RESOURCE, with @ism:noticeType containing a specified token and @ism:externalNotice not equal true, either \$dataType or \$dataType2 exists in \$dataTokenList. The calling rule must pass \$dataType1, \$dataType2, \$noticeType, \$attrName and \$dataTokenList. This rule was created because the token for Law Enforcement data is [LES] in @ism:disseminationControls and [LEI] in @ism:cuiBasic, but both tokens require an [LES] notice.

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern abstract="true" id="NoticeHasCorrespondingDataTwoPossibleTokens">
  <sch:rule id="NoticeHasCorrespondingDataTwoPossibleTokens-R1"
    context="*[( $ISM_USGOV_RESOURCE or $ISM_USCUIONLY_RESOURCE) and util:contributesToRollup(.) and not(@ism:externalNotice = true()) and
util:containsAnyOfTheTokens(@ism:noticeType, ($noticeType))]">
    <sch:assert test="(index-of($dataTokenList, $dataType1) > 0) or (index-of($dataTokenList, $dataType2) > 0)"
      flag="error"
      role="error">[
  <sch:value-of select="$ruleId"/>][Error] If ISM_USGOV_RESOURCE or ISM_USCUIONLY_RESOURCE, and any element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [
<sch:value-of select="$noticeType"/>], then some element meeting ISM_CONTRIBUTES in the document MUST have attribute
<sch:value-of select="$attrName"/>containing [
<sch:value-of select="$dataType1"/>] or [
<sch:value-of select="$dataType2"/>], respectively. Human Readable: USA documents containing an
<sch:value-of select="$noticeType"/>notice must also have either [
<sch:value-of select="$dataType1"/>] or [
<sch:value-of select="$dataType2"/>] data.
</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 12.15 - ../Lib/NoticeHasCorrespondingDataUnclassDoc.sch

### Code Description

Abstract pattern to ensure that for a given element in an ISM\_USGOV\_RESOURCE with @ism:noticeType containing a specified token and @ism:externalNotice not equal true, \$dataType exists in \$dataTokenList ONLY if the \$ISM\_RESOURCE\_ELEMENT is Unclassified. The calling rule must pass \$dataType and @dataTokenList.

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern abstract="true" id="NoticeHasCorrespondingDataUnclassDoc">
  <sch:rule id="NoticeHasCorrespondingDataUnclassDoc-R1"
    context="*[$ISM_USGOV_RESOURCE and util:contributesToRollup(.) and util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:classification, ('U')) and not
(@ism:externalNotice=true()) and util:containsAnyOfTheTokens(@ism:noticeType, ($dataType))]">
    <sch:assert test="index-of($dataTokenList, $dataType)>0"
      flag="error"
      role="error">[
  <sch:value-of select="$ruleId"/>][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [
  <sch:value-of select="$dataType"/>], then some element meeting ISM_CONTRIBUTES in the document MUST have attribute
  <sch:value-of select="$attrName"/>containing [
  <sch:value-of select="$dataType"/>]. Human Readable: USA documents containing an
  <sch:value-of select="$dataType"/>notice must also have
  <sch:value-of select="$dataType"/>data.
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.16 - ../Lib/NoticeHasCorrespondingDataWithRegex.sch

### Code Description

Abstract pattern to ensure that for a given element in an ISM\_USGOV\_RESOURCE with @ism:noticeType containing a specified token and ism:externalNotice not equal true, \$dataTypeRegex exists in \$dataTokenList. The calling rule must pass \$dataTypeRegex and @dataTokenList.

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern abstract="true" id="NoticeHasCorrespondingDataWithRegex">
  <sch:rule id="NoticeHasCorrespondingDataWithRegex-R1"
    context="*[$ISM_USGOV_RESOURCE and util:contributesToRollup(.) and not (@ism:externalNotice=true()) and util:containsAnyOfTheTokens(@ism:noticeType,
($noticeType))]">
    <sch:assert test="some $dataToken in $dataTokenList satisfies matches($dataToken, $dataTypeRegex)"
      flag="error"
      role="error">[
<sch:value-of select="$ruleId"/>][Error] If ISM_USGOV_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [
<sch:value-of select="$noticeType"/>], then some element meeting ISM_CONTRIBUTES in the document MUST have attribute
<sch:value-of select="$attrName"/>matching token regex [
<sch:value-of select="$dataTypeRegex"/>]. Human Readable: USA documents containing an
<sch:value-of select="$noticeType"/>notice must also have
<sch:value-of select="$dataTypeRegex"/>data.
</sch:assert>
    </sch:rule>
  </sch:pattern>
```

## 12.17 - ../Lib/NtkHasCorrespondingData.sch

### Code Description

Abstract template to validate that for an \$ISM\_USGOV\_RESOURCE, a given token (\$dataType) exists in a particular attribute of at least one of (a) a portion that contributes to roll-up or (b) the banner, given the existence of an ntk:AccessProfile that has an ntk:AccessPolicy value that starts with a given string (\$uriPrefix).

Expected parameters: \$ruleId, \$policyName, \$uriPrefix, \$attr, \$dataType, \$dataTokenList, and \$bannerTokenList

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern abstract="true" id="NtkHasCorrespondingData">
  <sch:rule id="NtkHasCorrespondingData-R1"
    context="ntk:Access//ntk:AccessProfile[ntk:AccessPolicy[starts-with(., $uriPrefix)] and $ISM_USGOV_RESOURCE]">
    <sch:assert test="index-of($dataTokenList, $dataType)>0 or index-of($bannerTokenList, $dataType)>0"
      flag="error"
      role="error">[
<sch:value-of select="$ruleId"/>][error]
<sch:value-of select="$policyName"/>NTK metadata requires that
<sch:value-of select="$attr"/>contain
<sch:value-of select="$dataType"/>in at least one of (a) a portion that contributes to roll-up or (b) the banner.
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.18 - ../Lib/NtkHasCorrespondingDataTwoTokens.sch

### Code Description

Abstract template to validate that for an \$ISM\_USGOV\_RESOURCE or \$ISM\_USCUIONLY\_RESOURCE, one of two given tokens (\$dataType1 or \$dataType2) exists in a particular attribute of at least one of (a) a portion that contributes to roll-up or (b) the banner, given the existence of an ntk:AccessProfile that has an ntk:AccessPolicy value that starts with a given string (\$uriPrefix).

Expected parameters: \$ruleId, \$policyName, \$uriPrefix, \$attr, \$dataType1, \$dataType2, \$dataTokenList, and \$bannerTokenList

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern abstract="true" id="NtkHasCorrespondingDataTwoTokens">
  <sch:rule id="NtkHasCorrespondingDataTwoTokens-R1"
    context="ntk:Access//ntk:AccessProfile[ntk:AccessPolicy[starts-with(., $uriPrefix)] and ($ISM_USGOV_RESOURCE or $ISM_USCUIONLY_RESOURCE)]">
    <sch:assert test="index-of($dataTokenList, $dataType1) > 0 or index-of($bannerTokenList, $dataType1) > 0 or index-of($dataTokenList, $dataType2) > 0 or index-of($bannerTokenList, $dataType2) > 0"
      flag="error"
      role="error">[
  <sch:value-of select="$ruleId"/>][error]
  <sch:value-of select="$policyName"/>NTK metadata requires that
  <sch:value-of select="$attr"/>contain
  <sch:value-of select="$dataType1"/>or
  <sch:value-of select="$dataType2"/>in at least one of (a) a portion that contributes to roll-up or (b) the banner.
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.19 - ../Lib/ValidateTokenValuePrefixesExistenceInList.sch

### Code Description

This abstract pattern checks to see if an attribute of an element exists in a list or matches the pattern defined by the list. The calling rule must pass the context, search term list, attribute value to check, and an error message.

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<!--
This abstract pattern checks to see if string prefixes embedded in tokens in an attribute of an element exists in a list or
matches the pattern defined by the list.

$context      := the context in which the searchValue exists
$searchTermList := the set of values which you want to verify is in the list
$list         := the list in which to search for the searchValue
$afterText    := a text string to throw out when getting the embedded prefix
$prefix .     := a string that separates the embedded prefix from the rest of the token value following the prefix.
$errMsg       := the error message text to display when the assertion fails

Example usage:
<sch:pattern is-a="ValidateValueExistenceInList" id="ISM_ID_00530" xmlns:sch="http://purl.oclc.org/dsdl/schematron">
  <sch:param name="context" value="@ism:SARIdentifier"/>
  <sch:param name="searchTermList" value="."/>
  <sch:param name="list" value="$SARSourceAuthorityList"/>
  <sch:param name="afterText" value="'SAR-'"/>
  <sch:param name="prefix" value="':'"/>
  <sch:param name="errMsg" value="'
    [ISM-ID-00530][Error] The tokens in @ism:SARIdentifier must start with a substring before : that exists
    in the SAR Source Authorities CVE.
  '"/>
</sch:pattern>
-->

<sch:pattern abstract="true" id="ValidateTokenValuePrefixesExistenceInList">
  <sch:rule id="ValidateTokenValuePrefixesExistenceInList-R1" context="$context">
    <sch:assert test="every $searchTerm in tokenize(normalize-space(string($searchTermList)), ' ') satisfies substring-after(substring-before($searchTerm,$prefix),
$afterText) = $list or (some $Term in $list satisfies (matches(normalize-space(substring-after(substring-before($searchTerm,$prefix),$afterText)), concat('^', $Term ,'$'))))"
      flag="error"
      role="error">
      <sch:value-of select="$errMsg"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.20 - ../Lib/ValidateTokenValuesExistenceInList.sch

### Code Description

This abstract pattern checks to see if an attribute of an element exists in a list or matches the pattern defined by the list. The calling rule must pass the context, search term list, attribute value to check, and an error message.

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<!--
This abstract pattern checks to see if an attribute of an element exists in a list or matches the pattern defined by the list.

$context      := the context in which the searchValue exists
$searchTermList := the set of values which you want to verify is in the list
$list         := the list in which to search for the searchValue
$errorMsg     := the error message text to display when the assertion fails

Example usage:
<sch:pattern is-a="ValidateValueExistenceInList" id="IRM_ID_00027" xmlns:sch="http://purl.oclc.org/dsdl/schematron">
  <sch:param name="context" value="@ism:releasableTo"/>
  <sch:param name="searchTermList" value="."/>
  <sch:param name="list" value="$releasableToList"/>
  <sch:param name="errorMsg" value="'
    [ISM-ID-00265][Error] Any @ism:releasableTo must
    be a value in CVEnumISMRelTo.xml.
  '"/>
</sch:pattern>

Note: $iso4217TrigraphList is defined in the main document, IRM_XML.xml.
-->
<sch:pattern abstract="true" id="ValidateTokenValuesExistenceInList">
  <sch:rule id="ValidateTokenValuesExistenceInList-R1" context="$context">
    <sch:assert test="every $searchTerm in tokenize(normalize-space(string($searchTermList)), ' ') satisfies $searchTerm = $list or (some $Term in $list satisfies
(matches(normalize-space($searchTerm), concat('^', $Term ,'$')))"
      flag="error"
      role="error">
      <sch:value-of select="$errorMsg"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.21 - ../Lib/ValidateTokenValuesExistenceInListWhenContributesToRollup.sch

### Code Description

This abstract pattern checks to see if the attribute values of an element exists in a list or matches the pattern defined by the list when these values are flagged as contributing to rollup. The calling rule must pass the context, search term list, attribute value to check, flag on whether the attribute values contribute to rollup, and an error message.

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<!--
  This abstract pattern checks to see if the attribute values of an element exists in a list or matches the pattern defined by the list
  when these attribute values are flagged as contributing to rollup.

  $context           := the context in which the searchValue exists
  $searchTermList    := the set of values which you want to verify is in the list
  $list              := the list in which to search for the searchValue
  $errMsg            := the error message text to display when the assertion fails
  $contributesToRollup := the boolean that determines whether the attributes values contribute to rollup
-->

<sch:pattern abstract="true"
              id="ValidateTokenValuesExistenceInListWhenContributesToRollup">
  <sch:rule id="ValidateTokenValuesExistenceInListWhenContributesToRollup-R1"
          context="$context">
    <sch:assert test="if ($contributesToRollup) then every $searchTerm in tokenize(normalize-space(string($searchTermList)), ' ') satisfies $searchTerm = $list or (some
$Term in $list satisfies (matches(normalize-space($searchTerm), concat('^', $Term ,'$')))) else true()"
              flag="error"
              role="error">
      <sch:value-of select="$errMsg"/>The value(s) [
    <sch:value-of select="string-join(for $searchTerm in tokenize(normalize-space(string($searchTermList)), ' ') return if($searchTerm = $list) then null else $searchTerm, ' ')/>] that
contribute to rollup could not be found.
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.22 - ../Lib/ValidateTokenValuesExistenceInListWhenContributesToRollupACCM.sch

### Code Description

This abstract pattern checks to see if the attribute values of an element exists in a list or matches the pattern defined by the list when these values are flagged as contributing to rollup. The calling rule must pass the context, search term list, attribute value to check, flag on whether the attribute values contribute to rollup, and an error message.

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<!--
  This abstract pattern checks to see if the attribute values of an element exists in a list or matches the pattern defined by the list
  when these attribute values are flagged as contributing to rollup.

  $context           := the context in which the searchValue exists
  $searchTermList    := the set of values which you want to verify is in the list
  $list              := the list in which to search for the searchValue
  $errMsg            := the error message text to display when the assertion fails
  $contributesToRollup := the boolean that determines whether the attributes values contribute to rollup
-->

<sch:pattern abstract="true"
              id="ValidateTokenValuesExistenceInListWhenContributesToRollupACCM">
  <sch:rule id="ValidateTokenValuesExistenceInListWhenContributesToRollupACCM-R1"
          context="$context">
    <sch:assert test="if ($contributesToRollup) then every $searchTerm in tokenize(normalize-space(string($searchTermList)), ' ') satisfies $searchTerm = $list or (some
$Term in $list satisfies (matches(normalize-space($searchTerm), concat('^', $Term ,'$')))) else true()"
              flag="error"
              role="error">
      <sch:value-of select="$includedInRollUpErrorMessage"/>The value(s) [
    <sch:value-of select="string-join(for $searchTerm in tokenize(normalize-space(string($searchTermList)), ' ') return if($searchTerm = $list) then null else $searchTerm, ' ')/>] that
contribute to rollup could not be found.
    </sch:assert>
    <sch:assert test="if (not($contributesToRollup)) then every $searchTerm in tokenize(normalize-space(string($nonACCMSearchTermList)), ' ') satisfies $searchTerm =
$nonACCMListTok or (some $Term in $nonACCMListTok satisfies (matches(normalize-space($searchTerm), concat('^', $Term ,'$')))) else true()"
              flag="error"
              role="error">
      <sch:value-of select="$excludedFromRollUpNonACCMErrorMessage"/>The value(s) [
    <sch:value-of select="string-join(for $searchTerm in tokenize(normalize-space(string($nonACCMSearchTermList)), ' ') return if($searchTerm = $nonACCMListTok) then null else $searchTerm,
' ')/>] that contribute to rollup could not be found.
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.23 - ../Lib/ValidateValidationEnvCVE.sch

### Code Description

This abstract pattern checks to see if the validation environment has at least the version / revision of the CVE as of the writing of this specification. The calling rule must pass in \$MinVersion, \$SpecToCheck, \$pathToDocument, \$RuleID.

### Schematron Code

```
<!--
  This abstract pattern checks to see the version of a CVE is greater than or equal to a passed in parameter.

  $MinVersion      := the version that SpecToCheck must be equal to or greater than.
  $SpecToCheck     := Name the spec whose version in the infrastructure is being checked.
  $pathToDocument  := Relative path to the document cve that has ther version string
  $RuleID          := The number of the rule in the concrete file.
-->
<sch:pattern xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
             abstract="true"
             id="ValidateValidationEnvCVE">
  <sch:rule id="ValidateValidationEnvCVE-R1" context="/">
    <sch:assert test="document($pathToDocument)//cve:CVE//@specVersion castable as xs:double and document($pathToDocument)//cve:CVE//@specVersion >= $MinVersion"
              flag="error"
              role="error">[
  <sch:value-of select="$RuleID"/>][Error] Version [
  <sch:value-of select="document($pathToDocument)//cve:CVE//@specVersion"/>] of
  <sch:value-of select="$SpecToCheck"/>found; Version [
  <sch:value-of select="$MinVersion"/>] or later is required. The latest version of
  <sch:value-of select="$SpecToCheck"/>is not being used in the validation infrastructure. Regardless of the version indicated on the instance document, the validation infrastructure needs
to use a version of
  <sch:value-of select="$SpecToCheck"/>that is version [
  <sch:value-of select="$MinVersion"/>] or later. NOTE: This is not an error of the instance document but of the validation environment itself. The incorrect value was found in
  <sch:value-of select="document-uri(document($pathToDocument))"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.24 - ../Lib/ValidateValidationEnvSchema.sch

### Code Description

This abstract pattern checks to see if the validation environment has at least the version / revision of the Schema as of the writing of this specification. The calling rule must pass in \$MinVersion, \$SpecToCheck, \$pathToDocument, \$RuleID.

### Schematron Code

```
<!--
  This abstract pattern checks to see the version of a Schema is greater than or equal to a passed in parameter.

  $MinVersion      := the version that SpecToCheck must be equal to or greater than.
  $SpecToCheck     := Name the spec whose version in the infrastructure is being checked.
  $pathToDocument  := Relative path to the document xsd that has ther version string
  $RuleID          := The number of the rule in the concrete file.
-->
<sch:pattern xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
             abstract="true"
             id="ValidateValidationEnvSchema">
  <sch:rule id="ValidateValidationEnvSchema-R1" context="/">
    <sch:assert test="document($pathToDocument)//xsd:schema//@version castable as xs:double and document($pathToDocument)//xsd:schema//@version >= $MinVersion"
              flag="error"
              role="error">[
  <sch:value-of select="$RuleID"/>][Error] Version [
  <sch:value-of select="document($pathToDocument)//xsd:schema//@version"/>] of
  <sch:value-of select="$SpecToCheck"/>found; Version [
  <sch:value-of select="$MinVersion"/>] or later is required. The latest version of
  <sch:value-of select="$SpecToCheck"/>is not being used in the validation infrastructure. Regardless of the version indicated on the instance document, the validation infrastructure needs
to use a version of
  <sch:value-of select="$SpecToCheck"/>that is version [
  <sch:value-of select="$MinVersion"/>] or later. NOTE: This is not an error of the instance document but of the validation environment itself. The incorrect value was found in
  <sch:value-of select="document-uri(document($pathToDocument))"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.25 - ../Lib/ValidateValueExistenceInList.sch

### Code Description

This abstract pattern checks to see if an attribute of an element exists in a list. The calling rule must pass \$context, \$searchTerm, \$list, \$errMsg.

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<!--
      This abstract pattern checks to see if an attribute of an element exists in a list.

      $context      := the context in which the searchValue exists
      $searchTerm   := the value which you want to verify is in the list
      $list         := the list in which to search for the searchValue
      $errMsg       := the error message text to display when the assertion fails

      Example usage:
      <sch:pattern is-a="ValidateValueExistenceInList" id="IRM_ID_00027" xmlns:sch="http://purl.oclc.org/dsdl/schematron">
        <sch:param name="context" value="//irm:CountryCode[@irm:vocabulary='FIPS']"/>
        <sch:param name="searchTerm" value="."/>
        <sch:param name="list" value="$coverageFipsDigraphList"/>
        <sch:param name="errMsg" value=""
          [IRM-ID-00027][Error]
          If element CountryCode has attribute vocabulary specified as FIPS
          the element value must be in CVEnumIRMCoverageFIPSDigraph.xml.
        '"/>
      </sch:pattern>

      Note: $iso4217TrigraphList is defined in the main document, IRM_XML.xml.
-->
<sch:pattern abstract="true" id="ValidateValueExistenceInList">
  <sch:rule id="ValidateValueExistenceInList-R1" context="$context">
    <sch:assert test="some $token in $list satisfies $token = $searchTerm"
      flag="error"
      role="error">
      <sch:value-of select="$errMsg"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.26 - ../Lib/ValueExistsInList.sch

### Code Description

This abstract pattern verifies that a value at a given context matches some value in a list using regular expression matching. The calling rule must pass the context, search term list, attribute value to check, and an error message.

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<!--
      This abstract pattern verifies that a term matches a value in a list using regular expression matching.

      $context      := the context in which the searchValue exists
      $list         := the list in which to search for the searchValue
      $errMsg       := the error message text to display when the assertion fails

      Example usage:
      <sch:pattern is-a="ValueExistsInList" id="IRM_ID_00027" xmlns:sch="http://purl.oclc.org/dsdl/schematron">
        <sch:param name="context" value="@ism:releasableTo"/>
        <sch:param name="searchTermList" value="."/>
        <sch:param name="list" value="$releasableToList"/>
        <sch:param name="errMsg" value="'
          [ISM-ID-00265][Error] Any @ism:releasableTo must
          be a value in CVEnumISMRelTo.xml.
        '"/>
      </sch:pattern>
-->

<sch:pattern abstract="true" id="ValueExistsInList">
  <sch:rule id="ValueExistsInList-R1" context="$context">
    <sch:assert test="some $Term in $list satisfies (matches(normalize-space(.), concat('^',$Term,'$')))"
      flag="error"
      role="error">
      <sch:value-of select="$errMsg"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.27 - ../Lib/ValuesOrderedAccordingToCve.sch

### Code Description

To perform sorting, each attribute token is converted into a numerical value based on its characters. Next, each attribute token is given an order number, which compares its position to that of its value in the CVE file. Next, each order number is compared to that of its previous sibling to determine if the tokens are in order. If a token is found whose order number is less than that of its previous sibling, 0 is returned for its sorted order number. If a token's order number is greater than that of its previous sibling, 1 is returned. If two tokens have the same order number, their original attribute values are compared. If the original attribute value contains numbers then the comparison is made on its converted numerical value; otherwise, the comparison is made on its string value. If an attribute value is found whose value is less than that of its previous sibling, 0 is returned for its sorted order number; otherwise 2 is returned. Finally, if any tokens are found with 0 as its sorted order number, then the rule fails as those tokens are out of order.

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern abstract="true" id="ValuesOrderedAccordingToCve">
  <sch:rule id="ValuesOrderedAccordingToCve-R1"
    context="*[( $ISM_USGOV_RESOURCE or $ISM_USCUIONLY_RESOURCE ) and @ism:$attrLocalName]"><!-- Convert each character to a numerical value, then concatenate the
results to form a number-string -->

    <sch:assert test="count(tokenize(util:unsortedValues(@ism:$attrLocalName, $cveTermList), ' ') = 0"
      flag="error"
      role="error">
      <sch:value-of select="$errorMessage"/>The following values are out of order [
<sch:value-of select="util:unsortedValues(@ism:$attrLocalName, $cveTermList)"/>] for [
<sch:value-of select="@ism:$attrLocalName"/>]
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.28 - ../Lib/ValuesOrderedAccordingToCveWhenContributesToRollup.sch

### Code Description

For values that contributed to rollup, the values are ordered according to its CVE. To perform sorting, each attribute token is converted into a numerical value based on its characters. Next, each attribute token is given an order number, which compares its position to that of its value in the CVE file. Next, each order number is compared to that of its previous sibling to determine if the tokens are in order. If a token is found whose order number is less than that of its previous sibling, 0 is returned for its sorted order number. If a token's order number is greater than that of its previous sibling, 1 is returned. If two tokens have the same order number, their original attribute values are compared. If the original attribute value contains numbers then the comparison is made on its converted numerical value; otherwise, the comparison is made on its string value. If an attribute value is found whose value is less than that of its previous sibling, 0 is returned for its sorted order number; otherwise 2 is returned. Finally, if any tokens are found with 0 as its sorted order number, then the rule fails as those tokens are out of order. For values that do not contribute to rollup, the values are ordered alphabetically.

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern abstract="true" id="ValuesOrderedAccordingToCveWhenContributesToRollup">
  <sch:rule id="ValuesOrderedAccordingToCveWhenContributesToRollup-R1"
    context="*[$ISM_USGOV_RESOURCE and @ism:$attrLocalName]">
    <sch:assert test="if ($contributesToRollup) then count(tokenize(util:unsortedValues(@ism:$attrLocalName, $cveTermList),' '))=0 else true()"
      flag="error"
      role="error">
      <sch:value-of select="$cveOrderErrorMessage"/>The following values [
    <sch:value-of select="util:unsortedValues(@ism:$attrLocalName, $cveTermList)"/>] for [
    <sch:value-of select="@ism:$attrLocalName"/>] that contribute to rollup are out of order with respect to its CVE.
    </sch:assert>
    <sch:assert test="if (not($contributesToRollup)) then count(tokenize(util:nonalphabeticValues($attrValues),' '))=0 else true()"
      flag="error"
      role="error">
      <sch:value-of select="$alphabetOrderErrorMessage"/>The following values [
    <sch:value-of select="util:nonalphabeticValues($attrValues)"/>] for [
    <sch:value-of select="@ism:$attrLocalName"/>] that does not contribute to rollup are not in the expected alphabetical order.
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## 12.29 - `./Lib/ValuesOrderedAccordingToCveWhenContributesToRollupACCM.sch`

### Code Description

For values that contributed to rollup, the values are ordered according to its CVE. To perform sorting, each attribute token is converted into a numerical value based on its characters. Next, each attribute token is given an order number, which compares its position to that of its value in the CVE file. Next, each order number is compared to that of its previous sibling to determine if the tokens are in order. If a token is found whose order number is less than that of its previous sibling, 0 is returned for its sorted order number. If a token's order number is greater than that of its previous sibling, 1 is returned. If two tokens have the same order number, their original attribute values are compared. If the original attribute value contains numbers then the comparison is made on its converted numerical value; otherwise, the comparison is made on its string value. If an attribute value is found whose value is less than that of its previous sibling, 0 is returned for its sorted order number; otherwise 2 is returned. Finally, if any tokens are found with 0 as its sorted order number, then the rule fails as those tokens are out of order. For values that do not contribute to rollup, the values are ordered alphabetically.

## Schematron Code

```

<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern abstract="true"
              id="ValuesOrderedAccordingToCveWhenContributesToRollupACCM">
  <sch:rule id="ValuesOrderedAccordingToCveWhenContributesToRollupACCM-R1"
           context="*[$ISM_USGOV_RESOURCE and @ism:$attrLocalName]">
    <sch:assert test="if ($contributesToRollup) then count(tokenize(util:unsortedValues(@ism:$attrLocalName, $cveTermList),' '))=0 else true()"
              flag="error"
              role="error">
      <sch:value-of select="$includedInRollupErrorMessage"/>The following values [
<sch:value-of select="util:unsortedValues(@ism:$attrLocalName, $cveTermList)"/>] for [
<sch:value-of select="@ism:$attrLocalName"/>] that contribute to rollup are out of order with respect to its CVE.
</sch:assert>
    <sch:assert test="if (not($contributesToRollup)) then count(tokenize(util:unorderedValues($nonACCMAttrValuesTok, $nonACCMCveTermListTok),' '))=0 else true()"
              flag="error"
              role="error">
      <sch:value-of select="$excludedFromRollupNonACCMErrorMessage"/>The following non-ACCM values [
<sch:value-of select="util:unorderedValues($nonACCMAttrValuesTok, $nonACCMCveTermListTok)"/>] for [
<sch:value-of select="@ism:$attrLocalName"/>] that does not contribute to rollup are out of order with respect to its CVE.
</sch:assert>
    <sch:assert test="if (not($contributesToRollup)) then count(tokenize(util:nonalphabeticValues($ACCMAttrValuesTok),' '))=0 else true()"
              flag="error"
              role="error">
      <sch:value-of select="$excludedFromRollupACCMErrorMessage"/>The following ACCM values [
<sch:value-of select="util:nonalphabeticValues($ACCMAttrValuesTok)"/>] for [
<sch:value-of select="@ism:$attrLocalName"/>] that does not contribute to rollup are not in the expected alphabetical order.
</sch:assert>
    <sch:assert test="if (not($contributesToRollup)) then count(tokenize(util:relativeOrderBetweenACCMAndNonACCMWhenExcludeFromRollup($attrValues),' '))=0 else true()"
              flag="error"
              role="error">
      <sch:value-of select="$excludedFromRollupACCMRelativeLocationErrorMessage"/>The following non-ACCM values [
<sch:value-of select="util:relativeOrderBetweenACCMAndNonACCMWhenExcludeFromRollup($attrValues)"/>] for [
<sch:value-of select="@ism:$attrLocalName"/>] that does not contribute to rollup are not in the correct relative order to the ACCM values [
<sch:value-of select="util:getStringFromSequence($ACCMAttrValuesTok)"/>]. The ACCM values exist between the LEFT set of non-ACCMs [
<sch:value-of select="$nonACCMLeftSetTok"/>] and the RIGHT set of non-ACCMs [
<sch:value-of select="$nonACCMRightSetTok"/>].
</sch:assert>
  </sch:rule>
</sch:pattern>

```

## 12.30 - ../Lib/VocabHasCorrespondingVersion.sch

### Code Description

Abstract pattern to require an ntk:VocabularyType with @ntk:sourceVersion for a specified vocabulary.

### Schematron Code

```
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->

<sch:pattern abstract="true" id="VocabHasCorrespondingVersion">
  <sch:rule context="$context">
    <sch:assert test="ntk:VocabularyType[@ntk:name=$vocab]/@ntk:sourceVersion"
              flag="error">
      <sch:value-of select="$errMsg"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

## Chapter 13 - Schematron Schema

The top level Schematron file for ISM is in this section. This file imports all of the others and also defines many global variables they are all dependent on.

## 13.1 - `./ISM_XML.sch`

### Code Description

This is the root file for the specifications Schematron ruleset. It loads all of the required CVEs, declares some variables, and includes all of the Rule .sch files.

## Schematron Code

```
<!--UNCLASSIFIED-->
<?ICEA master?>
<!-- Notices - Distribution Notice:
      This document has been approved for Public Release and is available for use without restriction.
-->
<!-- WARNING:
      Once compiled into an XSLT the result will
      be the aggregate classification of all the CVES
      and included .sch files
-->

<sch:schema queryBinding="xslt2">
  <sch:ns uri="urn:us:gov:ic:ism" prefix="ism"/>
  <sch:ns uri="urn:us:gov:ic:ntk" prefix="ntk"/>
  <sch:ns uri="urn:us:gov:ic:arh" prefix="arh"/>
  <sch:ns uri="urn:us:gov:ic:taxonomy:catt:tetragraph" prefix="catt"/>
  <sch:ns uri="urn:us:gov:ic:cve" prefix="cve"/>
  <sch:ns uri="deprecated:value:function" prefix="dvf"/>
  <sch:ns uri="urn:us:gov:ic:ism:xsl:util" prefix="util"/>
  <!-- (U) Abstract Patterns -->

<sch:include href="./Lib/AttributeContributesToRollup.sch"/>
  <sch:include href="./Lib/AttributeContributesToRollupWithException.sch"/>
  <sch:include href="./Lib/AttributeContributesToRollupWithClassification.sch"/>
  <sch:include href="./Lib/AttributeValueDeprecatedError.sch"/>
  <sch:include href="./Lib/AttributeValueDeprecatedWarning.sch"/>
  <sch:include href="./Lib/CheckCommonCountries.sch"/>
  <sch:include href="./Lib/DataHasCorrespondingNotice.sch"/>
  <sch:include href="./Lib/DataHasCorrespondingNoticeWithException.sch"/>
  <sch:include href="./Lib/DataHasCorrespondingNoticeWithRegex.sch"/>
  <sch:include href="./Lib/MutuallyExclusiveAttributeValues.sch"/>
  <sch:include href="./Lib/NonCompilationDocumentRollup.sch"/>
  <sch:include href="./Lib/NoticeHasCorrespondingData.sch"/>
  <sch:include href="./Lib/NoticeHasCorrespondingCUIData.sch"/>
  <sch:include href="./Lib/NoticeHasCorrespondingDataTwoPossibleTokens.sch"/>
  <sch:include href="./Lib/NoticeHasCorrespondingDataUnclassDoc.sch"/>
  <sch:include href="./Lib/NoticeHasCorrespondingDataWithRegex.sch"/>
  <sch:include href="./Lib/NtkHasCorrespondingData.sch"/>
  <sch:include href="./Lib/NtkHasCorrespondingDataTwoTokens.sch"/>
  <sch:include href="./Lib/ValidateValueExistenceInList.sch"/>
  <sch:include href="./Lib/ValidateTokenValuesExistenceInList.sch"/>
  <sch:include href="./Lib/ValidateTokenValuePrefixesExistenceInList.sch"/>
  <sch:include href="./Lib/ValidateTokenValuesExistenceInListWhenContributesToRollup.sch"/>
  <sch:include href="./Lib/ValidateTokenValuesExistenceInListWhenContributesToRollupACCM.sch"/>
  <sch:include href="./Lib/ValuesOrderedAccordingToCve.sch"/>
  <sch:include href="./Lib/ValuesOrderedAccordingToCveWhenContributesToRollup.sch"/>
  <sch:include href="./Lib/ValuesOrderedAccordingToCveWhenContributesToRollupACCM.sch"/>
  <sch:include href="./Lib/VocabHasCorrespondingVersion.sch"/>
  <sch:include href="./Lib/ValueExistsInList.sch"/>
  <sch:include href="./Lib/ValidateValidationEnvSchema.sch"/>
  <sch:include href="./Lib/ValidateValidationEnvCVE.sch"/>
```

```
<!-- (U) Resources -->
<sch:let name="countriesList"
  value="document('../..//CVE/ISMCAT/CVEnumISMCATOwnerProducer.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="classificationAllList"
    value="document('../..//CVE/ISM/CVEnumISMClassificationAll.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="classificationUSList"
    value="document('../..//CVE/ISM/CVEnumISMClassificationUS.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="ownerProducerList"
    value="document('../..//CVE/ISMCAT/CVEnumISMCATOwnerProducer.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="declassExceptionList"
    value="document('../..//CVE/ISM/CVEnumISM25X.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="FGISourceOpenList"
    value="document('../..//CVE/ISMCAT/CVEnumISMCATFGIOpen.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="FGISourceProtectedList"
    value="document('../..//CVE/ISMCAT/CVEnumISMCATFGIProtected.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="nonICmarkingsList"
    value="document('../..//CVE/ISM/CVEnumISMNonIC.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="releasableToList"
    value="document('../..//CVE/ISMCAT/CVEnumISMCATRelTo.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="SCIcontrolsList"
    value="document('../..//CVE/ISM/CVEnumISMSCIControls.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="SARIdentifierList"
    value="document('../..//CVE/ISM/CVEnumISMSAR.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="SARSourceAuthorityList"
    value="document('../..//CVE/ISM/CVEnumISMSARAuthorities.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="validAttributeList"
    value="document('../..//CVE/ISM/CVEnumISMAttributes.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="validElementList"
    value="document('../..//CVE/ISM/CVEnumISMElements.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="noticeList"
    value="document('../..//CVE/ISM/CVEnumISMNotice.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="nonUSControlsList"
    value="document('../..//CVE/ISM/CVEnumISMNonUSControls.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="exemptFromList"
    value="document('../..//CVE/ISM/CVEnumISMExemptFrom.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="atomicEnergyMarkingsList"
    value="document('../..//CVE/ISM/CVEnumISMAtomicEnergyMarkings.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="cuiBasicList"
    value="document('../..//CVE/ISM/CVEnumISMCUIBasic.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="cuiSpecifiedList"
    value="document('../..//CVE/ISM/CVEnumISMCUISpecified.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="secondBannerLineList"
    value="document('../..//CVE/ISM/CVEnumISMSecondBannerLine.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="displayOnlyToList"
    value="document('../..//CVE/ISMCAT/CVEnumISMCATRelTo.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="pocTypeList"
    value="document('../..//CVE/ISM/CVEnumISMPocType.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="compliesWithList"
    value="document('../..//CVE/ISM/CVEnumISMCompliesWith.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="accessPolicyList"
    value="document('../..//CVE/ISM/CVEnumNTKAccessPolicy.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
  <sch:let name="profileDESList"
    value="document('../..//CVE/ISM/CVEnumNTKProfileDes.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
```

```

<sch:let name="licenseList"
  value="document('../..../CVE/LIC/CVEnumLicLicense.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="usagencyList"
  value="document('../..../CVE/USAgency/CVEnumUSAgencyAcronym.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="issueList"
  value="document('../..../CVE/MN/CVEnumMNIssue.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="regionList"
  value="document('../..../CVE/MN/CVEnumMNRegion.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="authcatList"
  value="document('../..../CVE/AUTHCAT/CVEnumAuthCatType.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="entRoleValueList"
  value="document('../..../CVE/ROLE/CVEnumROLEEnterpriseRole.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<sch:let name="NameStartCharPattern" value="':|[A-Z]|_|[a-z]'" />
<sch:let name="NameCharPattern"
  value="concat($NameStartCharPattern, '|-|\.|[0-9]')"/>
<sch:let name="NmTokenPattern" value="concat('(', $NameCharPattern, ')')"/>
<sch:let name="NmTokensPattern"
  value="concat($NmTokenPattern, '(' , $NmTokenPattern, ')*')"/>
<!-- strings -->

<sch:let name="BooleanPattern" value="'(false|true|0|1)'" />
<sch:let name="DatePattern"
  value="'-?([1-9][0-9]{3,}|0[0-9]{3})-(0[1-9]|1[0-2])-(0[1-9]|[12][0-9]|3[01])(Z|(\+|-)((0[0-9]|1[0-3]):[0-5][0-9]|14:00))?'"/>
<!-- ISMCAT Dependencies -->

<sch:let name="catRaw"
  value="document('../..../Taxonomy/ISMCAT/TetragraphTaxonomy.xml')"/>
<sch:let name="catt"
  value="document('../..../Taxonomy/ISMCAT/TetragraphTaxonomyDenormalized.xml')"/>
<sch:let name="cattMappings" value="$catt//catt:Tetragraph"/>
<sch:let name="tetragraphList"
  value="document('../..../CVE/ISMCAT/CVEnumISMCATTetragraph.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
<!-- Grab all of the distinct groupings of @ism:ownerProducer, @ism:releasableTo, @ism:displayOnlyTo, @ism:FGIsourceOpen, and @ism:FGIsourceProtected
Then tokenize each of one of the groupings and get the distinct of that set of tokens.-->

<sch:let name="countriesAndTetras"
  value="distinct-values(for $each in distinct-values((/descendant-or-self::node()//@ism:ownerProducer | /descendant-or-self::node()//@ism:releasableTo | /
descendant-or-self::node()//@ism:displayOnlyTo | /descendant-or-self::node()//@ism:FGIsourceOpen | /descendant-or-self::node()//@ism:FGIsourceProtected) return util:tokenize($each))"/>
<sch:let name="tetras"
  value="for $value in $countriesAndTetras return if ($catt//catt:Tetragraph[catt:TetraToken = $value]) then $value else null"/>
<sch:let name="catt_new"
  value="for $node in $catt/* return if (local-name($node) = 'Organization') then 'MEM' else $node"/>
<!-- =====>
<!-- (U) Universal Lets -->
<!-- =====>
<!-- ISM_RESOURCE_ELEMENT (node): The first element with attribute ism:resourceElement='true' -->

<sch:let name="ISM_RESOURCE_ELEMENT"
  value="(for $each in (//*) return if (if (string($each/@ism:resourceElement) castable as xs:boolean) then if ($each/@ism:resourceElement = true()) then true()
else false() else false()) then $each else null)[1]"/>
<!-- (U) ISM_RESOURCE_CREATE_DATE (date): The date a Resource was created, or the ism:createDate attribute on the
ISM_RESOURCE_ELEMENT node. -->

<sch:let name="ISM_RESOURCE_CREATE_DATE"

```

```

        value="$ISM_RESOURCE_ELEMENT/@ism:createDate"/>
    <!-- Split out the built ins for ease of use -->
<sch:let name="builtins"
    value="(('group:iaaems', 'JWICS:IAAEMS'), ('individual:icpki', 'IC-PKI:DN'), ('individual:cadpki', 'CAD-PKI:DN'), ('individual:acsspki', 'ACSS-PKI:DN'),
('organization:usa-agency', 'urn:us:gov:ic:cvenum:usagency:agencyacronym'), ('datasphere:license', 'urn:us:gov:ic:cvenum:lic:license'), ('datasphere:mn:issue',
'urn:us:gov:ic:cvenum:mn:issue'), ('datasphere:mn:region', 'urn:us:gov:ic:cvenum:mn:region'), ('datasphere:rac', 'urn:us:gov:ic:cvenum:authcat:authcattype'), ('role:enterpriseRole',
'urn:us:gov:ic:cvenum:role:enterprise:role'))"/>
    <sch:let name="builtinVocab"
        value="for $each in $builtins[position() mod 2 eq 1] return $each"/>
    <sch:let name="builtinVocabSource"
        value="for $each in $builtins[position() mod 2 eq 0] return $each"/>
    <!-- =====>
<!-- (U) Get Variables for 'Complies With' -->
<!-- =====>
<!-- ISM_USGOV_RESOURCE (boolean): True if the compliesWith attribute contains 'USGov' -->

<sch:let name="ISM_USGOV_RESOURCE"
    value="util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:compliesWith, ('USGov'))"/>
    <!-- ISM_OTHER_AUTH_RESOURCE (boolean): True if the compliesWith attribute contains 'otherAuth' -->

<sch:let name="ISM_OTHER_AUTH_RESOURCE"
    value="util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:compliesWith, ('OtherAuthority'))"/>
    <!-- ISM_USIC_RESOURCE (boolean): True if the compliesWith attribute contains 'USIC' -->

<sch:let name="ISM_USIC_RESOURCE"
    value="util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:compliesWith, ('USIC'))"/>
    <!-- ISM_USDOD_RESOURCE (boolean): True if the compliesWith attribute contains 'USDOD' -->

<sch:let name="ISM_USDOD_RESOURCE"
    value="util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:compliesWith, ('USDOD'))"/>
    <!-- ISM_USCUI_RESOURCE (boolean): True if the compliesWith attribute contains 'USA-CUI' -->

<sch:let name="ISM_USCUI_RESOURCE"
    value="util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:compliesWith, ('USA-CUI'))"/>
    <!-- ISM_USCUIONLY_RESOURCE (boolean): True if the compliesWith attribute contains 'USA-CUI-ONLY' -->

<sch:let name="ISM_USCUIONLY_RESOURCE"
    value="util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:compliesWith, ('USA-CUI-ONLY'))"/>
    <!-- (U) Get appropriate dissemination controls list based on context, i.e., whether the document has
    1) IC Register and Manual (ICRM) markings only (and no CUI), or 2) CUI markings only, or
    3) both ICRM and CUI markings-->

<sch:let name="disseminationControlsList" value="util:getDissemControlsList()"/>
    <!-- =====>
<!-- (U) Get Exemption Variables -->
<!-- =====>
<!-- (U) ISM_710_FDR_EXEMPT (boolean): True if the document claims exemption from mandatory
    Foreign Disclosure and Release markings in ICD-710. False otherwise. -->

<sch:let name="ISM_710_FDR_EXEMPT"
    value="index-of(tokenize(normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:exemptFrom)), ' '), 'IC_710_MANDATORY_FDR') &gt; 0 or not($ISM_USIC_RESOURCE)"/>
    <!-- (U) ISM_DOD_DISTRO_EXEMPT (boolean): True if the document claims exemption from requirements
    to have DoD Distribution Statements. False otherwise. -->

```

```

<sch:let name="ISM_DOD_DISTRO_EXEMPT"
    value="index-of(tokenize(normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:exemptFrom)), ' '), 'DOD_DISTRO_STATEMENT') &gt; 0 or not($ISM_USDOD_RESOURCE)"/>
    <!-- (U) ISM_ORCON_POC_DATE (date): The date after which a point-of-contact is required for all documents containing ORCON data -->

<sch:let name="ISM_ORCON_POC_DATE" value="xs:date('2011-03-11')"/>
    <!-- =====>
<!-- (U) Get Banner Attributes -->
<!-- =====>

<sch:let name="bannerClassification"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:classification))"/>
    <sch:let name="bannerDisseminationControls"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:disseminationControls))"/>
    <sch:let name="bannerDisplayOnlyTo"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:displayOnlyTo))"/>
    <sch:let name="bannerNonICmarkings"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:nonICmarkings))"/>
    <sch:let name="bannerFGISourceOpen"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:FGISourceOpen))"/>
    <sch:let name="bannerFGISourceProtected"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:FGISourceProtected))"/>
    <sch:let name="bannerReleasableTo"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:releasableTo))"/>
    <sch:let name="bannerSCIcontrols"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:SCIcontrols))"/>
    <sch:let name="bannerNotice"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:noticeType))"/>
    <sch:let name="bannerSARIdentifier"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:SARIdentifier))"/>
    <sch:let name="bannerAtomicEnergyMarkings"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:atomicEnergyMarkings))"/>
    <sch:let name="bannerCuiBasic"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:cuiBasic))"/>
    <sch:let name="bannerCuiSpecified"
    value="normalize-space(string($ISM_RESOURCE_ELEMENT/@ism:cuiSpecified))"/>
    <!-- =====>
<!-- (U) Tokenize Banner Attributes -->
<!-- =====>

<sch:let name="bannerDisseminationControls_tok"
    value="tokenize(normalize-space(string($bannerDisseminationControls)), ' ')/>
    <sch:let name="bannerDisplayOnlyTo_tok"
    value="tokenize(normalize-space(string($bannerDisplayOnlyTo)), ' ')/>
    <sch:let name="bannerNonICmarkings_tok"
    value="tokenize(normalize-space(string($bannerNonICmarkings)), ' ')/>
    <sch:let name="bannerFGISourceOpen_tok"
    value="tokenize(normalize-space(string($bannerFGISourceOpen)), ' ')/>
    <sch:let name="bannerFGISourceProtected_tok"
    value="tokenize(normalize-space(string($bannerFGISourceProtected)), ' ')/>
    <sch:let name="bannerReleasableTo_tok"
    value="tokenize(normalize-space(string($bannerReleasableTo)), ' ')/>
    <sch:let name="bannerSCIcontrols_tok"
    value="tokenize(normalize-space(string($bannerSCIcontrols)), ' ')/>

```

```

    <sch:let name="bannerNotice_tok"
      value="tokenize(normalize-space(string($bannerNotice)), ' ')/>
    <sch:let name="bannerSARIdentifier_tok"
      value="tokenize(normalize-space(string($bannerSARIdentifier)), ' ')/>
    <sch:let name="bannerAtomicEnergyMarkings_tok"
      value="tokenize(normalize-space(string($bannerAtomicEnergyMarkings)), ' ')/>
    <sch:let name="bannerCuiBasic_tok"
      value="tokenize(normalize-space(string($bannerCuiBasic)), ' ')/>
    <sch:let name="bannerCuiSpecified_tok"
      value="tokenize(normalize-space(string($bannerCuiSpecified)), ' ')/>
    <!-- =====>
<!-- (U) Get all portions that meet ISM_CONTRIBUTES, or all non-resource nodes -->
<!-- that do not specify ism:excludeFromRollup='true' and have an -->
<!-- ism:classification. -->
<!-- Similar portion classifications include ISM_CONTRIBUTES_CLASSIFIED, or -->
<!-- all portions meeting ISM_CONTRIBUTES that also have an ism:classification -->
<!-- attribute not equal to [U], and ISM_CONTRIBUTES_USA, or all portions -->
<!-- meeting ISM_CONTRIBUTES that also have an ism:ownerProducer containing -->
<!-- [USA]. -->
<!-- =====>

<sch:let name="partTags"
  value="/descendant-or-self::node()[@ism:* except (@ism:pocType | @ism:DESVersion | @ism:unregisteredNoticeType | @ism:ISMCACTESVersion) and
util:contributesToRollup(.) and not(generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT))]/>
  <!-- (U) Get Part Attributes -->

<sch:let name="partClassification"
  value="for $token in $partTags/@ism:classification return tokenize(normalize-space(string($token)), ' ')/>
  <sch:let name="partOwnerProducer"
    value="for $token in $partTags/@ism:ownerProducer return tokenize(normalize-space(string($token)), ' ')/>
  <sch:let name="partDisseminationControls"
    value="for $token in $partTags/@ism:disseminationControls return tokenize(normalize-space(string($token)), ' ')/>
  <sch:let name="partDisplayOnlyTo"
    value="for $token in $partTags/@ism:displayOnlyTo return tokenize(normalize-space(string($token)), ' ')/>
  <sch:let name="partAtomicEnergyMarkings"
    value="for $token in $partTags/@ism:atomicEnergyMarkings return tokenize(normalize-space(string($token)), ' ')/>
  <sch:let name="partNonICmarkings"
    value="for $token in $partTags/@ism:nonICmarkings return tokenize(normalize-space(string($token)), ' ')/>
  <sch:let name="partFGISourceOpen"
    value="for $token in $partTags/@ism:FGISourceOpen return tokenize(normalize-space(string($token)), ' ')/>
  <sch:let name="partFGISourceProtected"
    value="for $token in $partTags/@ism:FGISourceProtected return tokenize(normalize-space(string($token)), ' ')/>
  <sch:let name="partSCIcontrols"
    value="for $token in $partTags/@ism:SCIcontrols return tokenize(normalize-space(string($token)), ' ')/>
  <sch:let name="partNoticeType"
    value="for $token in $partTags/@ism:noticeType return tokenize(normalize-space(string($token)), ' ')/>
  <sch:let name="partSARIdentifier"
    value="for $token in $partTags/@ism:SARIdentifier return tokenize(normalize-space(string($token)), ' ')/>
  <!-- Parttags equivalent for CUI markings (@ism:cuiBasic and @ism:cuiSpecified) -->

<sch:let name="partCuiBasicTags"
  value="/descendant-or-self::node()[@ism:cuiBasic and util:contributesToRollup(.) and not(generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT))]/>
  <sch:let name="partCuiBasic"
    value="for $token in $partCuiBasicTags/@ism:cuiBasic return tokenize(normalize-space(string($token)), ' ')/>

```

```

    <sch:let name="partCuiSpecifiedTags"
      value="/descendant-or-self::node()[@ism:cuiSpecified and util:contributesToRollup(.) and not(generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT))]" />
    <sch:let name="partCuiSpecified"
      value="for $token in $partCuiSpecifiedTags/@ism:cuiSpecified return tokenize(normalize-space(string($token)), ' ')" />
    <sch:let name="partPocType"
      value="/*/@ism:pocType[util:contributesToRollup(/parent::node()) and not(generate-id(/parent::node()) = generate-id($ISM_RESOURCE_ELEMENT)) and not(/parent::node()/@ism:externalNotice = true())]" />
    <!-- (U) Tokenize portion Attributes -->
<sch:let name="partClassification_tok"
  value="for $token in $partClassification return tokenize(normalize-space(string($token)), ' ')" />
  <sch:let name="partOwnerProducer_tok"
    value="for $token in $partOwnerProducer return tokenize(normalize-space(string($token)), ' ')" />
  <sch:let name="partDisseminationControls_tok"
    value="for $token in $partDisseminationControls return tokenize(normalize-space(string($token)), ' ')" />
  <sch:let name="partDisplayOnlyTo_tok"
    value="for $token in $partDisplayOnlyTo return tokenize(normalize-space(string($token)), ' ')" />
  <sch:let name="partAtomicEnergyMarkings_tok"
    value="for $token in $partAtomicEnergyMarkings return tokenize(normalize-space(string($token)), ' ')" />
  <sch:let name="partNonICmarkings_tok"
    value="for $token in $partNonICmarkings return tokenize(normalize-space(string($token)), ' ')" />
  <sch:let name="partSCIcontrols_tok"
    value="for $token in $partSCIcontrols return tokenize(normalize-space(string($token)), ' ')" />
  <sch:let name="partNoticeType_tok"
    value="for $token in $partNoticeType return tokenize(normalize-space(string($token)), ' ')" />
  <sch:let name="partSARIdentifier_tok"
    value="for $token in $partSARIdentifier return tokenize(normalize-space(string($token)), ' ')" />
  <sch:let name="partPocType_tok"
    value="for $token in $partPocType return tokenize(normalize-space(string($token)), ' ')" />
  <sch:let name="partCuiBasic_tok"
    value="for $token in $partCuiBasic return tokenize(normalize-space(string($token)), ' ')" />
  <sch:let name="partCuiSpecified_tok"
    value="for $token in $partCuiSpecified return tokenize(normalize-space(string($token)), ' ')" />
  <!-- (U) Tokenize Notice Nodes -->
<sch:let name="partNoticeNodeType"
  value="for $token in $partTags/@ism:noticeType return tokenize(normalize-space(string($token)), ' ')" />
  <!--
  (U) ISM_NSI_EO_APPLIES (boolean):
  True if the current Classified National Security Information Executive
  Order applies to this resource. This variable will be true if all of the following 4 conditions are satisfied:
  1) The document is a ISM_USGOV_RESOURCE
  AND
  2) The ISM_RESOURCE_ELEMENT node has attribute ism:classification with a value other than [U]
  AND
  3) The ISM_RESOURCE_CREATE_DATE is on or after 11 April 1996 (180 days after 14 October 1995 signature of E.O. 12958)
  AND
  4) At least one element meeting ISM_CONTRIBUTES_CLASSIFIED does not have the attribute ism:atomicEnergyMarkings
  -->
<sch:let name="ISM_NSI_EO_APPLIES"
  value="$ISM_USGOV_RESOURCE and not($ISM_RESOURCE_ELEMENT/@ism:classification = 'U') and $ISM_RESOURCE_CREATE_DATE >= xs:date('1996-04-11') and (some $element
in $partTags satisfies not($element/@ism:classification = 'U') and not($element/@ism:atomicEnergyMarkings))" />
  <!-- (U) Check roll-up of attributes in portions to the banner -->

```

```

<sch:let name="dcTags"
    value="for $piece in $disseminationControlsList return $piece/text()"/>
    <sch:let name="dcTagsFound"
        value="for $token in $dcTags return if (index-of($partDisseminationControls_tok, $token) > 0 and (not(index-of($bannerDisseminationControls_tok, $token) >
0))) then $token else null"/>
    <sch:let name="aeaTags"
        value="for $piece in $atomicEnergyMarkingsList return $piece/text()"/>
    <sch:let name="aeaTagsFound"
        value="for $token in $aeaTags return if (index-of($partAtomicEnergyMarkings_tok, $token) > 0 and (not(index-of($bannerAtomicEnergyMarkings_tok, $token) >
0))) then $token else null"/>
    <!-- Regex -->

<sch:let name="ACCMRegex" value="'^ACCM-[A-Z0-9\-\_]{1,61}$'"/>
    <!-- nonACCM values left and right of ACCM values defined in CVEnumISMNonIC.xml -->

<sch:let name="nonACCMLeftSet" value="'DS'"/>
    <sch:let name="nonACCMRightSet" value="'XD,ND,SBU,SBU-NF,LES,LES-NF,SSI,NNPI'"/>
    <sch:let name="nonACCMLeftSetTok" value="tokenize($nonACCMLeftSet, ',')"/>
    <sch:let name="nonACCMRightSetTok" value="tokenize($nonACCMRightSet, ',')"/>
    <!--*****-->
<!-- (U) Custom XSLT functions -->
<!--*****-->
<!--
    Returns true if the attribute @ism:excludeFromRollup is present and evaluates to 'true'
-->

<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:contributesToRollup"
    as="xs:boolean">
    <xsl:param name="context"/>
    <xsl:sequence select="not(string($context/@ism:excludeFromRollup) = string(true()))"/>
</xsl:function>
<!--
    Returns the appropriate list of dissemination controls, depending on whether document is just markings from the
    IC Register and Manual (ICRM), or just CUI markings, or both ICRM and CUI markings.-->

<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:getDissemControlsList"
    as="node()*">
    <xsl:choose>
    <xsl:when test="($ISM_USGOV_RESOURCE or $ISM_OTHER_AUTH_RESOURCE) and not($ISM_USCUI_RESOURCE)">
    <xsl:copy-of select="document('../..//CVE/ISM/CVEnumISMDissemIcrm.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
    </xsl:when>
    <xsl:when test="$ISM_USGOV_RESOURCE and $ISM_USCUI_RESOURCE">
    <xsl:copy-of select="document('../..//CVE/ISM/CVEnumISMDissemCommingled.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
    </xsl:when>
    <xsl:when test="$ISM_USCUIONLY_RESOURCE">
    <xsl:copy-of select="document('../..//CVE/ISM/CVEnumISMDissemCui.xml')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
    </xsl:when>
    </xsl:choose>
</xsl:function>
<!-- Evaluate the attribute value tokens to determine whether any values
have been deprecated by comparing deprecation dates against $curDate.

```

If the value is deprecated, return either an ERROR or WARNING message, depending on the isError flag. -->

```
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="dxf:deprecated"
              as="xs:string*">
  <xsl:param name="attribute" as="xs:string"/>
  <xsl:param name="depTerms" as="element()*"/>
  <xsl:param name="curDate" as="xs:date?"/>
  <xsl:param name="isError" as="xs:boolean"/>
  <!--$curDate param is optional in order to prevent compiled XSLT from breaking
when otherwise invalid documents are executed against the rules
(e.g. missing @ism:createDate).

Only execute if there is date to compare against. -->

  <xsl:if test="count($curDate) = 1">
    <xsl:for-each select="$depTerms[cve:Value = tokenize($attribute, ' ')]">
      <xsl:if test="($isError and $curDate gt xs:date(@deprecated)) or (not($isError) and $curDate le xs:date(@deprecated))">
        <xsl:sequence select="concat(['', string(current()/cve:Value), '] has been deprecated and is not authorized for use after ', current()/@deprecated)"/>
      </xsl:if>
    </xsl:for-each>
  </xsl:if>
</xsl:function>
<!--
```

Returns true if any token in the attribute value matches one of the provided regular expressions.

-->

```
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:containsAnyTokenMatching"
              as="xs:boolean">
  <xsl:param name="attribute"/>
  <xsl:param name="regexList" as="xs:string+"/>
  <xsl:sequence select="some $attrToken in tokenize(normalize-space(string($attribute)), ' ') satisfies (some $regex in $regexList satisfies matches($attrToken,
$regex))"/>
</xsl:function>
<!--
```

Returns true if any token in the attribute value matches at least one token in the provided list.

-->

```
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:containsAnyOfTheTokens"
              as="xs:boolean">
  <xsl:param name="attribute"/>
  <xsl:param name="tokenList" as="xs:string*" />
  <xsl:sequence select="some $attrToken in tokenize(normalize-space(string($attribute)), ' ') satisfies $attrToken = $tokenList"/>
</xsl:function>
<!--
```

Returns true if all token in the attribute value match at least one token in the provided list.

-->

```
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:containsOnlyTheTokens"
              as="xs:boolean">
```

```

        <xsl:param name="attribute"/>
        <xsl:param name="tokenList" as="xs:string*" />
        <xsl:sequence select="every $attrToken in tokenize(normalize-space(string($attribute)), ' ') satisfies $attrToken = $tokenList" />
    </xsl:function>
    <!--
    Returns true if the token string value matches at least one token in the provided list.
-->

<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:existInTokenSet"
              as="xs:boolean">
    <xsl:param name="stringTokenValue" />
    <xsl:param name="tokenList" as="xs:string*" />
    <xsl:sequence select="tokenize($stringTokenValue, ' ') = $tokenList" />
</xsl:function>
<!--
    Return a list of values as a space delimited string from a sequence of tokens that only matches the regex
-->

<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:getStringFromSequenceWithOnlyRegexValues"
              as="xs:string">
    <xsl:param name="attrValues" />
    <xsl:param name="regex" />
    <xsl:variable name="StringWithOnlyRegexValues">
        <xsl:for-each select="$attrValues"><!-- if value does match the regex, return that value -->

            <xsl:if test="matches(current(), $regex)">
                <xsl:value-of select="current()" />
            </xsl:if>
            <xsl:value-of select="' ' " />
        </xsl:for-each>
    </xsl:variable>
    <xsl:sequence select="normalize-space(string($StringWithOnlyRegexValues))" />
</xsl:function>
<!--
    Return a list of values as a space delimited string from a sequence of tokens that filters out anything matching the regex
-->

<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:getStringFromSequenceWithoutRegexValues"
              as="xs:string">
    <xsl:param name="attrValues" />
    <xsl:param name="regex" />
    <xsl:variable name="StringWithoutRegexValues">
        <xsl:for-each select="$attrValues"><!-- if value does not match the regex, return that value -->

            <xsl:if test="not(matches(current(), $regex))">
                <xsl:value-of select="current()" />
            </xsl:if>
            <xsl:value-of select="' ' " />
        </xsl:for-each>
    </xsl:variable>
    <xsl:sequence select="normalize-space(string($StringWithoutRegexValues))" />

```

```

        </xsl:function>
        <!--
        Return a list of values as a space delimited string from a sequence of tokens
        -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:getStringFromSequence"
              as="xs:string">
  <xsl:param name="attrValues"/>
  <xsl:variable name="StringValues">
    <xsl:for-each select="$attrValues">
      <xsl:value-of select="current()"/>
      <xsl:value-of select="' '/"/>
    </xsl:for-each>
  </xsl:variable>
  <xsl:sequence select="normalize-space(string($StringValues))"/>
</xsl:function>
<!--
Determines if values in an attribute are in sorted alphabetical order
-->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:nonalphabeticalValues"
              as="xs:string">
  <xsl:param name="attrValues"/>
  <xsl:variable name="badValues">
    <xsl:for-each select="$attrValues"><!-- iterate over each attribute value, except the last one because the comparison is i to i+1 so the last one gets incorporated --
  >
    <xsl:if test="not(index-of($attrValues, current())[last()] = count($attrValues))"><!-- compares if current value is greater than next value meaning its out of alphabetical order -->
      <xsl:if test="compare(current(), $attrValues[index-of($attrValues, current()) + 1]) = 1">
        <xsl:value-of select="$attrValues[index-of($attrValues, current()) + 1]"/>
      </xsl:if>
      <xsl:value-of select="' '/"/>
    </xsl:if>
  </xsl:for-each>
  </xsl:variable>
  <xsl:sequence select="normalize-space(string($badValues))"/>
</xsl:function>
<!--
Determines if ACCM values are in the correct relative order to Non ACCMs when nonIC attribute
is excluded from rollup.
NOTE: This function only checks the left and right boundaries when transitioning from nonACCM to ACCM and vice versa
since ACCM to ACCM values and nonACCM to nonACCM values have checks already for value and order validation.
-->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:relativeOrderBetweenACCMAndNonACCMWhenExcludeFromRollup"
              as="xs:string">
  <xsl:param name="attrValues" as="xs:string*" />
  <xsl:variable name="badValues">
    <xsl:for-each select="$attrValues"><!-- iterate over each attribute value, except the last one because the comparison is i to i+1 so the last one gets incorporated --
  >

```

```

        <xsl:if test="not(index-of($attrValues, current())[last()] = count($attrValues))"><!-- Left Boundary Check (current is nonACCM, next is ACCM, current element is NOT from LEFT set,
return current element) -->

        <xsl:if test="not(matches(current(), $ACCMRegex)) and matches($attrValues[index-of($attrValues, current()) + 1], $ACCMRegex) and not(util:existInTokenSet(current(),
$nonACCMLeftSetTok))">
            <xsl:value-of select="current()"/>
        </xsl:if>
        <!-- Right Boundary Check (current is ACCM, next is nonACCM, next element is NOT from RIGHT set, return next element) -->

        <xsl:if test="matches(current(), $ACCMRegex) and not(matches($attrValues[index-of($attrValues, current()) + 1], $ACCMRegex)) and not(util:existInTokenSet($attrValues[index-
of($attrValues, current()) + 1], $nonACCMRightSetTok))">
            <xsl:value-of select="$attrValues[index-of($attrValues, current()) + 1]"/>
        </xsl:if>
        <xsl:value-of select="' '"/>
    </xsl:if>
</xsl:for-each>
</xsl:variable>
<xsl:sequence select="normalize-space(string($badValues))"/>
</xsl:function>
<!--
Determines if values in an attribute are in sorted order based on a master list
-->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:unorderedValues"
    as="xs:string">
    <xsl:param name="attrValues" as="xs:string*" />
    <xsl:param name="tokenList" as="xs:string*" />
    <xsl:variable name="badValues">
        <xsl:for-each select="$attrValues"><!-- iterate over each attribute value, except the last one because the comparison is i to i+1 so the last one gets incorporated -->

        <xsl:if test="not(index-of($attrValues, current())[last()] = count($attrValues))"><!-- calculate the indices of attrValues[i] and attrValues[i+1] within the TokenList -->

            <xsl:variable name="indexOfValue"
                select="util:getIndexFromListMatch(current(), $tokenList)"/>
            <xsl:variable name="indexOfNextValue"
                select="util:getIndexFromListMatch($attrValues[index-of($attrValues, current()) + 1], $tokenList)"/>
            <xsl:choose>
                <xsl:when test="$indexOfValue = $indexOfNextValue"><!-- if same index in tokenList, make sure that attrValues[i] < attrValues[i+1] -->
<!-- this comparison is required because of regular expressions in the list. Two tokens
may have the same index in the list, but then they must be in order between themselves -->

                <xsl:if test="compare(current(), $attrValues[index-of($attrValues, current()) + 1]) = 1">
                    <xsl:value-of select="$attrValues[index-of($attrValues, current()) + 1]"/>
                </xsl:if>
            </xsl:when>
            <xsl:when test="$indexOfValue > $indexOfNextValue"><!-- if index of i > index of i+1, then i+1 is out of order so return it -->

                <xsl:value-of select="$attrValues[index-of($attrValues, current()) + 1]"/>
            </xsl:when>
        </xsl:choose>
        <xsl:value-of select="' '"/>
    </xsl:if>

```

```

        </xsl:for-each>
    </xsl:variable>
    <xsl:sequence select="normalize-space(string($badValues))"/>
</xsl:function>
<!--
    Determines if values in an attribute are in sorted order based on a master list
-->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:unsortedValues"
    as="xs:string">
    <xsl:param name="attribute"/>
    <xsl:param name="tokenList" as="xs:string*" />
    <xsl:variable name="attrValues"
        select="tokenize(normalize-space(string($attribute)), ' ')" />
    <xsl:variable name="badValues">
        <xsl:for-each select="$attrValues"><!-- iterate over each attribute value, except the last one because the comparison is i to i+1 so the last one gets incorporated -->

    <xsl:if test="not(index-of($attrValues, current())[last()] = count($attrValues))"><!-- calculate the indices of attrValues[i] and attrValues[i+1] within the TokenList -->

        <xsl:variable name="indexOfValue"
            select="util:getIndexFromListMatch(current(), $tokenList)" />
        <xsl:variable name="indexOfNextValue"
            select="util:getIndexFromListMatch($attrValues[index-of($attrValues, current()) + 1], $tokenList)" />
        <xsl:choose>
            <xsl:when test="$indexOfValue = $indexOfNextValue"><!-- if same index in tokenList, make sure that attrValues[i] < attrValues[i+1] -->
<!-- this comparison is required because of regular expressions in the list. Two tokens
            may have the same index in the list, but then they must be in order between themselves -->

            <xsl:if test="compare(current(), $attrValues[index-of($attrValues, current()) + 1]) = 1">
                <xsl:value-of select="$attrValues[index-of($attrValues, current()) + 1]" />
            </xsl:if>
            </xsl:when>
            <xsl:when test="$indexOfValue > $indexOfNextValue"><!-- if index of i > index of i+1, then i+1 is out of order so return it -->

            <xsl:value-of select="$attrValues[index-of($attrValues, current()) + 1]" />
            </xsl:when>
        </xsl:choose>
        <xsl:value-of select="' ' " />
    </xsl:if>
    </xsl:for-each>
    </xsl:variable>
    <xsl:sequence select="normalize-space(string($badValues))" />
</xsl:function>
<!-- Return the index position in the list that matches the value. -1 if no match -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:getIndexFromListMatch"
    as="xs:integer">
    <xsl:param name="value" as="xs:string" />
    <xsl:param name="list" as="xs:string*" />
    <xsl:variable name="index">
        <xsl:for-each select="$list">
            <xsl:if test="matches($value, concat('^', current(), '$'))">

```

```

        <xsl:value-of select="index-of($list, current())[1]"/>
      </xsl:if>
    </xsl:for-each>
  </xsl:variable>
  <xsl:choose>
    <xsl:when test="$index = ''">
      <xsl:sequence select="xs:integer(-1)"/>
    </xsl:when>
    <xsl:otherwise>
      <xsl:sequence select="xs:integer(number($index[1]))"/>
    </xsl:otherwise>
  </xsl:choose>
</xsl:function>
<!--
Returns true if the value match the provided regular expressions.
-->

<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  name="util:meetsType"
  as="xs:boolean">
  <xsl:param name="value"/>
  <xsl:param name="typePattern" as="xs:string"/>
  <xsl:sequence select="matches(normalize-space(string($value)), concat('^(', $typePattern, ')$'))"/>
</xsl:function>
<!-- ***** -->
<!-- ***** ADDED 2016-03-29 by CIA/DDI/ADO/DSSG/DAI/DAS -->
<!-- Helper functions for implementing new common country functions for ISM-ID-00318 & ISM-ID-00320 -->

<sch:let name="decomposableTetraElems"
  value="$cattMappings[@decomposable[. = 'Yes' or . = 'NA']]"/>
<sch:let name="decomposableTetras"
  value="$decomposableTetraElems/catt:TetraToken/text()"/>
<!-- Returns the sequence of country codes that correspond to the given $tetra -->

<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  name="util:getCountriesForTetra"
  as="xs:string*">
  <xsl:param name="tetra" as="xs:string"/>
  <xsl:sequence select="$decomposableTetraElems[catt:TetraToken/text() = $tetra]/catt:Membership/*/text()"/>
</xsl:function>
<!-- Returns normalized $value with a preceding and subsequent space ( ' ' ) character -->

<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  name="util:padValue"
  as="xs:string">
  <xsl:param name="value" as="xs:string?"/>
  <xsl:sequence select="concat(' ', normalize-space($value), ' ')/>
</xsl:function>
<!-- Returns the given $value with its values broken into tokens using whitespace as delimiters -->

<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  name="util:tokenize"
  as="xs:string*">
  <xsl:param name="value" as="xs:string?"/>

```

```

        <xsl:sequence select="tokenize(normalize-space($value), ' ')" />
    </xsl:function>
    <!-- Returns the given sequence of $values joined into a normalized single string -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:join"
              as="xs:string">
    <xsl:param name="values" as="xs:string*" />
    <xsl:sequence select="normalize-space(string-join($values, ' '))" />
</xsl:function>
<!-- Returns the given sequence of $values sorted alphabetically -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:sort"
              as="xs:string*">
    <xsl:param name="values" as="xs:string*" />
    <xsl:variable name="sortedValues">
        <xsl:for-each select="$values">
            <xsl:sort select="."/>
            <xsl:value-of select="util:padValue(.)" />
        </xsl:for-each>
    </xsl:variable>
    <xsl:sequence select="util:tokenize($sortedValues)" />
</xsl:function>
    <!-- Returns the number of occurrences of $value in the given sequence of $expandedRelToStrings.
    Counts are pre-calculated in $countryHash, so this function matches the counts in $countryHash
    to the expanded countries in $expandedRelToStrings -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:countIn"
              as="xs:double">
    <xsl:param name="value" as="xs:string" />
    <xsl:param name="expandedRelToStrings" as="xs:string*" />
    <xsl:param name="countryHash" as="item()*" />
    <xsl:variable name="counts" as="xs:integer*">
        <xsl:for-each select="$expandedRelToStrings">
            <xsl:if test="util:containsAnyOfTheTokens(., $value)"><!-- If expanded RelTo string contains target country, return its original count from countryHash -->
                <xsl:variable name="expandedPosition" select="position()" />
                <xsl:sequence select="$countryHash[position() = $expandedPosition * 2]" />
            </xsl:if>
        </xsl:for-each>
    </xsl:variable>
    <xsl:sequence select="sum($counts)" />
</xsl:function>
    <!-- Returns true if all tokens in $subset sequence are also present in $superset sequence -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:isSubsetOf"
              as="xs:boolean">
    <xsl:param name="subset" as="xs:string*" />
    <xsl:param name="superset" as="xs:string*" />
    <xsl:sequence select="(every $subsetToken in $subset satisfies $subsetToken = $superset)" />
</xsl:function>

```

```

        <!-- Returns true if the given $relTo string (e.g. 'USA CAN GBR') contains any
        tetragraphs that can be decomposed into its constituent countries -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:containsDecomposableTetra"
              as="xs:boolean">
    <xsl:param name="relTo" as="xs:string?"/>
    <xsl:sequence select="normalize-space($relTo) and util:containsAnyOfTheTokens($relTo, $decomposableTetras)"/>
</xsl:function>
        <!-- Given a sequence of $relToStrings (e.g. ('USA CAN GBR', 'USA AUS SPAA')), returns a set of tokens
        that are each of these $relToStrings decomposed using util:expandDecomposableTetras() -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:expandAllTetras"
              as="xs:string*">
    <xsl:param name="relToStrings" as="xs:string*" />
    <xsl:variable name="allTokens" as="xs:string*">
        <xsl:for-each select="$relToStrings">
            <xsl:variable name="expandedCountryTokens" select="util:expandDecomposableTetras(.)"/>
            <xsl:value-of select="util:padValue(util:join($expandedCountryTokens))"/>
        </xsl:for-each>
    </xsl:variable>
    <xsl:sequence select="$allTokens"/>
</xsl:function>
        <!-- Recursively remove all decomposable tetragraphs in the given $relTo string
        and replace them with their constituent countries. Note: Does not include USA -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:expandDecomposableTetras"
              as="xs:string*">
    <xsl:param name="relTo" as="xs:string"/>
    <xsl:variable name="expandedTetras">
        <xsl:choose>
            <xsl:when test="util:containsDecomposableTetra($relTo)">
                <xsl:variable name="currTetra"
                    select="util:tokenize($relTo)[. = $decomposableTetras][1]"/>
                <xsl:variable name="currTetraCountries"
                    select="util:join(util:getCountriesForTetra($currTetra))"/>
                <xsl:variable name="expandCurrTetra"
                    select="replace(util:padValue($relTo), util:padValue($currTetra), util:padValue($currTetraCountries))"/>
                <xsl:value-of select="util:expandDecomposableTetras($expandCurrTetra)"/>
            </xsl:when>
            <xsl:otherwise>
                <xsl:value-of select="normalize-space($relTo)"/>
            </xsl:otherwise>
        </xsl:choose>
    </xsl:variable>
    <xsl:sequence select="distinct-values(util:tokenize($expandedTetras))[. != 'USA']"/>
</xsl:function>
        <!-- Given the sequence of $relToStrings (e.g. ('USA CAN GBR', 'USA AUS ZWE', 'USA CAN GBR')), returns
        a sequence of unique strings and their counts, (e.g. ('USA CAN GBR', 2, 'USA AUS ZWE', 1) -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:createCountryHash"

```

```

        as="item()*">
        <xsl:param name="relToStrings" as="xs:string*" />
        <xsl:for-each-group select="$relToStrings" group-by=".">
            <xsl:sequence select="current-grouping-key(), count(current-group())" />
        </xsl:for-each-group>
    </xsl:function>
    <!-- Return the sequence of countries that form the intersection of common countries on all FD&R portions.
    Note: Does not include USA -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:calculateCommonCountries"
    as="xs:string*">
    <xsl:param name="portionCountryStrings" as="xs:string*" />
    <!-- Create "hash" of each RelTo string and the number of occurrences in the document -->

    <xsl:variable name="countryHash"
        select="util:createCountryHash($portionCountryStrings)" />
    <!-- Expand tetragraphs in portion RelTo strings to get distinct countries -->

    <xsl:variable name="expandedTetras"
        select="util:expandAllTetras($countryHash[position() mod 2 = 1])" />
    <xsl:variable name="distinctCountryTokens"
        select="distinct-values(util:tokenize(util:join($expandedTetras)) [. != 'USA'])" />
    <!-- Return country values that appear on every portion w/ FD&R markings -->

    <xsl:sequence select="$distinctCountryTokens[util:countIn(., $expandedTetras, $countryHash) = $countFdrPortions]" />
    </xsl:function>
    <sch:let name="countFdrPortions" value="count($partTags[util:containsFDR(.)])" />
    <sch:let name="relToCalculatedBannerTokens"
        value="util:calculateCommonCountries($partTags/@ism:releasableTo)" />
    <sch:let name="relToActualBannerTokens"
        value="util:expandDecomposableTetras($ISM_RESOURCE_ELEMENT/@ism:releasableTo)" />
    <sch:let name="displayToCalculatedBannerTokens"
        value="util:calculateCommonCountries(($partTags/@ism:releasableTo, $partTags/@ism:displayOnlyTo))" />
    <sch:let name="displayToActualBannerTokens"
        value="util:expandDecomposableTetras(util:join(($ISM_RESOURCE_ELEMENT/@ism:releasableTo, $ISM_RESOURCE_ELEMENT/@ism:displayOnlyTo)))" />
    <!-- Functions to support FD&R roll-up constraints -->
    <!-- if input is a tetragraph and decomposable, return countries that belong to it -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:decomposeTetragraphs"
    as="xs:string*">
    <xsl:param name="releasableTo" as="xs:string" />
    <xsl:sequence select="for $token in tokenize(normalize-space($releasableTo), ' ') return if (util:isTetragraph($token)) then util:getTetragraphMembership($token) else
    $token" />
    </xsl:function>
    <!-- Returns true if the input is a tetragraph -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:isTetragraph"
    as="xs:boolean">
    <xsl:param name="value" as="xs:string" />
    <xsl:sequence select="some $token in $tetragraphList satisfies $token = $value" />
    </xsl:function>

```

```

<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  name="util:before-last-delimiter">
  <xsl:param name="s"/>
  <xsl:param name="d"/>
  <xsl:variable name="s-tokenized" select="tokenize($s, $d)"/>
  <xsl:sequence select="string-join(remove($s-tokenized, count($s-tokenized)), $d)"/>
</xsl:function>
<!-- Returns true if the input contains any tetragraph that is not decomposable -->

<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  name="util:containsSpecialTetra"
  as="xs:boolean">
  <xsl:param name="releasableTo" as="xs:string"/>
  <!-- may need to change @decomposable to @catt:decomposable because there is a bug in the schema. -->
  <xsl:sequence select="some $token in tokenize(normalize-space($releasableTo), ' ') satisfies util:isTetragraph($token) and $catt//catt:Tetragraph[catt:TetraToken = $token]/
@decomposable[not(. = 'Yes' or . = 'Maybe' or . = 'NA')]">
  </xsl:sequence>
</xsl:function>
<!-- Return true if the input contains any tetragraph where decomposable is "Maybe" -->

<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  name="util:containsMaybeTetra"
  as="xs:boolean">
  <xsl:param name="releasableTo" as="xs:string"/>
  <xsl:sequence select="some $token in tokenize(normalize-space($releasableTo), ' ') satisfies util:isTetragraph($token) and $catt//catt:Tetragraph[catt:TetraToken =
$token]/@decomposable[. = 'Maybe']">
  </xsl:sequence>
</xsl:function>
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  name="util:relToContainsMaybeTetra"
  as="xs:boolean">
  <xsl:param name="bannerRelTo" as="xs:string"/>
  <xsl:param name="remainingPartTags" as="node()*"/>
  <xsl:variable name="portion" select="$remainingPartTags[1]"/>
  <xsl:choose>
    <xsl:when test="count($remainingPartTags) = 0"><!-- base case, no more portions to look at, must not be any maybes -->
      <xsl:sequence select="xs:boolean(false())"/>
    </xsl:when>
    <xsl:when test="$bannerRelTo and util:containsMaybeTetra($bannerRelTo)">
      <xsl:sequence select="xs:boolean(true())"/>
    </xsl:when>
    <xsl:when test="$portion/@ism:releasableTo and util:containsMaybeTetra($portion/@ism:releasableTo)">
      <xsl:sequence select="xs:boolean(true())"/>
    </xsl:when>
    <xsl:otherwise>
      <xsl:sequence select="xs:boolean(util:relToContainsMaybeTetraHelper($bannerRelTo, subsequence($remainingPartTags, 2)))/>
    </xsl:otherwise>
  </xsl:choose>
</xsl:function>
<!-- convenience function for iterating to the next portion and updating the common countries list -->

<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  name="util:relToContainsMaybeTetraHelper"
  as="xs:string*">

```

```

    <xsl:param name="bannerRelTo" as="xs:string"/>
    <xsl:param name="remainingPartTags" as="node()*"/>
    <xsl:variable name="portion" select="$remainingPartTags[1]"/>
    <xsl:choose>
      <xsl:when test="count($remainingPartTags) = 1"><!-- This is checking the last item in the list, give empty list to kill recursion -->

<xsl:sequence select="xs:string(util:relToContainsMaybeTetra($bannerRelTo, ()))"/>
      </xsl:when>
      <xsl:otherwise><!-- remove the first portion in the list (the one just checked) -->

<xsl:sequence select="xs:string(util:relToContainsMaybeTetra($bannerRelTo, subsequence($remainingPartTags, 2)))/>
      </xsl:otherwise>
    </xsl:choose>
  </xsl:function>
  <xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:displayToContainsMaybeTetra"
    as="xs:boolean">
    <xsl:param name="bannerDisplayTo" as="xs:string"/>
    <xsl:param name="remainingPartTags" as="node()*"/>
    <xsl:variable name="portion" select="$remainingPartTags[1]"/>
    <xsl:choose>
      <xsl:when test="count($remainingPartTags) = 0"><!-- base case, no more portions to look at, must not be any maybes -->

<xsl:sequence select="xs:boolean(false())"/>
      </xsl:when>
      <xsl:when test="$bannerDisplayTo and util:containsMaybeTetra($bannerDisplayTo)">
        <xsl:sequence select="xs:boolean(true())"/>
      </xsl:when>
      <xsl:when test="$portion/@ism:displayOnlyTo and util:containsMaybeTetra($portion/@ism:displayOnlyTo)">
        <xsl:sequence select="xs:boolean(true())"/>
      </xsl:when>
      <xsl:otherwise>
        <xsl:sequence select="xs:boolean(util:displayToContainsMaybeTetra($bannerDisplayTo, subsequence($remainingPartTags, 2)))/>
      </xsl:otherwise>
    </xsl:choose>
  </xsl:function>
  <!-- convenience function for iterating to the next portion and updating the common countries list -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  name="util:displayToContainsMaybeTetraHelper"
  as="xs:string*">
  <xsl:param name="bannerDisplayTo" as="xs:string"/>
  <xsl:param name="remainingPartTags" as="node()*"/>
  <xsl:variable name="portion" select="$remainingPartTags[1]"/>
  <xsl:choose>
    <xsl:when test="count($remainingPartTags) = 1"><!-- Checking the last item in the list, give empty list to kill recursion -->

<xsl:sequence select="xs:string(util:displayToContainsMaybeTetra($bannerDisplayTo, ()))"/>
    </xsl:when>
    <xsl:otherwise><!-- remove the first portion in the list (the one just checked) -->

<xsl:sequence select="xs:string(util:displayToContainsMaybeTetra($bannerDisplayTo, subsequence($remainingPartTags, 2)))/>
    </xsl:otherwise>
  </xsl:choose>

```

```

        </xsl:function>
        <!-- Accepts the banner and portion @ism:releasableTo, decomposes them and
Returns true if the banner contains a special tetragraph OR
every token in the banner (except USA) is also in the portion; false otherwise -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:bannerIsSubset"
              as="xs:boolean">
    <xsl:param name="bannerRelTo" as="xs:string"/>
    <xsl:param name="portionRelTo" as="xs:string"/>
    <xsl:variable name="bannerRelToDecomposed"
                select="tokenize(normalize-space(util:decomposeTetragraphs($bannerRelTo)), ' ')" />
    <xsl:variable name="portionRelToDecomposed"
                select="tokenize(normalize-space(util:decomposeTetragraphs($portionRelTo)), ' ')" />
    <xsl:sequence select="util:containsSpecialTetra($bannerRelTo) or (every $bannerToken in $bannerRelToDecomposed satisfies (some $portionToken in $portionRelToDecomposed
satisfies if ($bannerToken = 'USA') then true() else $bannerToken = $portionToken))" />
    </xsl:function>
    <!--
Accepts an element.
Returns true if the element contains any Foreign Disclosure & Release (FD&R) markings; false otherwise.
-->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:containsFDR"
              as="xs:boolean">
    <xsl:param name="elementNode" as="node()" />
    <xsl:sequence select="$elementNode/@ism:releasableTo or $elementNode/@ism:displayOnlyTo or util:containsAnyOfTheTokens($elementNode/@ism:disseminationControls, ('NF',
'RELIDO')) or util:containsAnyOfTheTokens($elementNode/@ism:nonICmarkings, ('LES-NF', 'SBU-NF'))" />
    </xsl:function>
    <!-- Returns all of the tokens (except USA) in the first list that are also in the second list. -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:intersectionOfCountries"
              as="xs:string*">
    <xsl:param name="commonCountries" as="xs:string" />
    <xsl:param name="portionRelTo" as="xs:string" />
    <xsl:variable name="portionRelToDecomposed"
                select="tokenize(normalize-space(util:decomposeTetragraphs($portionRelTo)), ' ')" />
    <xsl:sequence select="for $token in tokenize(normalize-space($commonCountries), ' ') return if ($token = $portionRelToDecomposed and not($token = 'USA')) then $token
else ()" />
    </xsl:function>
    <!-- Recursively iterates over the contributing portions in a document and makes sure that the releasability markings
are consistent with the banner. Returns the list of common countries if no portion fails constraint checking -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:recursivelyCheckRelTo"
              as="xs:string*">
    <xsl:param name="bannerRelTo" as="xs:string" />
    <xsl:param name="commonCountries" as="xs:string" />
    <xsl:param name="remainingPartTags" as="node()*" />
    <xsl:variable name="portion" select="$remainingPartTags[1]" />
    <xsl:choose>
        <xsl:when test="count(tokenize($commonCountries, ' ')) = 0"><!-- base case, if commonCountries is the empty set, then there
is no common country to release to and the document is NF -->

```

```

<xsl:sequence select="()"/>
  </xsl:when>
  <xsl:when test="count($remainingPartTags) = 0"><!-- base case, no more portions to look at, return commonCountries -->

<xsl:sequence select="$commonCountries"/>
  </xsl:when>
  <xsl:when test="not(util:containsFDR($portion)) and $portion/@ism:classification = 'U'"><!-- normal unclass portion without FRD markings does not impact
releasability, iterate over this portion -->

  <xsl:sequence select="util:recursivelyCheckRelTo($bannerRelTo, $commonCountries, subsequence($remainingPartTags, 2))"/>
  </xsl:when>
  <xsl:when test="not($portion/@ism:releasableTo)"><!-- this portion contributes and is not releasable, so it means there are no common countries -->

  <xsl:sequence select="()"/>
  </xsl:when>
  <xsl:when test="util:containsSpecialTetra($portion/@ism:releasableTo)"><!-- this portion has special tetras. This function cannot handle special tetras, so iterate
over this portion -->

  <xsl:sequence select="util:recursivelyCheckRelTo($bannerRelTo, $commonCountries, subsequence($remainingPartTags, 2))"/>
  </xsl:when>
  <xsl:otherwise><!-- this portion has no special tetras, check it -->

  <xsl:choose>
    <xsl:when test="util:bannerIsSubset($bannerRelTo, $portion/@ism:releasableTo)"><!-- banner releasableTo is correctly a subset of this portion releasableTo,
iterate to next portion -->

    <xsl:sequence select="util:recursivelyCheckRelToRecurseHelper($bannerRelTo, $commonCountries, $remainingPartTags)"/>
    </xsl:when>
    <xsl:otherwise><!-- banner says releasableTo a country that this portion is not releasableTo, so it is wrong -->

    <xsl:sequence select="'BANNER_NOT_A_SUBSET_OF_A_PORTION'"/>
    </xsl:otherwise>
  </xsl:choose>
  </xsl:otherwise>
</xsl:choose>
</xsl:function>
<!-- convenience function for iterating to the next portion and updating the common countries list -->

<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  name="util:recursivelyCheckRelToRecurseHelper"
  as="xs:string*">
  <xsl:param name="bannerRelTo" as="xs:string"/>
  <xsl:param name="commonCountries" as="xs:string"/>
  <xsl:param name="remainingPartTags" as="node()*"/>
  <xsl:variable name="portion" select="$remainingPartTags[1]"/>
  <xsl:choose>
    <xsl:when test="count($remainingPartTags) = 1"><!-- Checking the last item in the list, give empty list to kill recursion -->

  <xsl:sequence select="util:recursivelyCheckRelTo($bannerRelTo, util:intersectionOfCountries($commonCountries, $portion/@ism:releasableTo), ())"/>
  </xsl:when>
  <xsl:otherwise><!-- remove the first portion in the list (the one just checked) -->

  <xsl:sequence select="util:recursivelyCheckRelTo($bannerRelTo, util:intersectionOfCountries($commonCountries, $portion/@ism:releasableTo), subsequence($remainingPartTags, 2))"/>

```

```

        </xsl:otherwise>
    </xsl:choose>
</xsl:function>
<!--
Returns true if the element is uncaveated and has no Foreign Disclosure or Release markings.
-->

<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:isUncaveatedAndNoFDR"
              as="xs:boolean">
    <xsl:param name="element"/>
    <xsl:sequence select="not($element/@ism:disseminationControls) and not($element/@ism:SCIcontrols) and not($element/@ism:nonICmarkings) and not($element/
@ism:atomicEnergyMarkings) and not($element/@ism:FGIsourceOpen) and not($element/@ism:FGIsourceProtected) and not($element/@ism:nonUSControls) and not($element/@ism:SARIdentifier)"/>
</xsl:function>
    <!-- The function that should be called from schematron rules.
This function iterates through the portions until it gets to a portion
that has @ism:releasableTo and does not contain a special tetra in @ism:releasableTo.
It uses the countries in @ism:releasableTo from that portion as the initial common
countries list for the recursive function.
-->

<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:checkRelToPortionsAgainstBannerAndGetCommonCountries"
              as="xs:string*">
    <xsl:param name="bannerRelTo" as="xs:string"/>
    <xsl:param name="remainingPartTags" as="node()*"/>
    <xsl:variable name="portion" select="$remainingPartTags[1]"/>
    <xsl:choose>
        <xsl:when test="count($remainingPartTags) = 0"><!-- no portions provided, so choose either: had no portions to begin with OR no portion had a special tetra -->

        <xsl:sequence select="('PASS')"/>
        </xsl:when>
        <xsl:when test="util:containsFDR($portion) and not($portion/@ism:releasableTo)"><!-- this portion contributes, contains FD&R markings, and is not releasable so the
commonCountry set is empty -->

        <xsl:sequence select="()"/>
        </xsl:when>
        <xsl:when test="$portion/@ism:releasableTo and not(util:containsSpecialTetra($portion/@ism:releasableTo))"><!-- first portion with releasableTo that does not have a
special tetra; use it to seed common country list -->

        <xsl:sequence select="util:recursivelyCheckRelTo($bannerRelTo, util:decomposeTetragraphs($portion/@ism:releasableTo), $remainingPartTags)"/>
        </xsl:when>
        <xsl:otherwise><!-- remove the first portion in the list (the one just checked) -->

        <xsl:sequence select="util:checkRelToPortionsAgainstBannerAndGetCommonCountries($bannerRelTo, subsequence($remainingPartTags, 2))"/>
        </xsl:otherwise>
    </xsl:choose>
</xsl:function>
    <!-- DISPLAY ONLY TO RULES -->
<!-- Returns the @ism:releasableTo and @ism:displayOnlyTo strings concatenated together -->

<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:getDisplayToCountries">
    <xsl:param name="portion" as="node()"/>

```

```

        <xsl:sequence select="normalize-space(concat(normalize-space(string($portion/@ism:releasableTo)), ' ', normalize-space(string($portion/@ism:displayOnlyTo))))"/>
    </xsl:function>
    <!-- Returns true if this element specifies attribute @ism:releasableTo or @ism:displayOnlyTo -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:isDisplayable"
              as="xs:boolean">
    <xsl:param name="portion" as="node()"/>
    <xsl:sequence select="$portion/@ism:releasableTo or $portion/@ism:displayOnlyTo"/>
</xsl:function>
    <!-- Recursively iterates over the contributing portions in a document and makes sure that the displayability markings
are consistent with the banner. Returns the list of common countries if no portion fails constraint checking -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
              name="util:recursivelyCheckDisplayTo"
              as="xs:string*">
    <xsl:param name="bannerRelToAndDisplayTo" as="xs:string"/>
    <xsl:param name="commonCountries" as="xs:string"/>
    <xsl:param name="remainingPartTags" as="node()*"/>
    <xsl:variable name="portion" select="$remainingPartTags[1]"/>
    <xsl:choose>
        <xsl:when test="count(tokenize($commonCountries, ' ')) = 0"><!-- base case, if commonCountries is the empty set, then there
is no common country to display to -->

        <xsl:sequence select="()" />
        </xsl:when>
        <xsl:when test="count($remainingPartTags) = 0"><!-- base case, no more portions to look at, return commonCountries -->

        <xsl:sequence select="$commonCountries" />
        </xsl:when>
        <xsl:when test="not(util:containsFDR($portion)) and $portion/@ism:classification = 'U'"><!-- normal unclass portion without FRD markings does not impact
displayability, iterate over this portion -->

        <xsl:sequence select="util:recursivelyCheckDisplayTo($bannerRelToAndDisplayTo, $commonCountries, subsequence($remainingPartTags, 2))"/>
        </xsl:when>
        <xsl:when test="not($portion/@ism:releasableTo) and not($portion/@ism:displayOnlyTo)"><!-- this portion contributes and is not displayable, so it means there are no
common countries -->

        <xsl:sequence select="()" />
        </xsl:when>
        <xsl:when test="util:containsSpecialTetra(util:getDisplayToCountries($portion))"><!-- this portion has special tetras. This function cannot handle special tetras, so
iterate over this portion -->

        <xsl:sequence select="util:recursivelyCheckDisplayTo($bannerRelToAndDisplayTo, $commonCountries, subsequence($remainingPartTags, 2))"/>
        </xsl:when>
        <xsl:otherwise><!-- this portion has no special tetras, check it -->

    </xsl:choose>
        <xsl:when test="util:bannerIsSubset($bannerRelToAndDisplayTo, util:getDisplayToCountries($portion))"><!-- banner displayTo list is correctly a subset of this
portion displayTo list, iterate to next portion -->

        <xsl:sequence select="util:recursivelyCheckDisplayToRecurseHelper($bannerRelToAndDisplayTo, $commonCountries, $remainingPartTags)"/>
        </xsl:when>
        <xsl:otherwise><!-- banner says displayTo a country that this portion is not displayable to, so it is wrong -->

```

```

        <xsl:sequence select="( 'BANNER_NOT_A_SUBSET_OF_A_PORTION' )"/>
        </xsl:otherwise>
    </xsl:choose>
</xsl:otherwise>
</xsl:choose>
</xsl:function>
<!-- convenience function for iterating to the next portion and updating the common countries list -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:recursivelyCheckDisplayToRecurseHelper"
    as="xs:string*">
    <xsl:param name="bannerRelToAndDisplayTo" as="xs:string"/>
    <xsl:param name="commonCountries" as="xs:string"/>
    <xsl:param name="remainingPartTags" as="node()*"/>
    <xsl:variable name="portion" select="$remainingPartTags[1]"/>
    <xsl:choose>
        <xsl:when test="count($remainingPartTags) = 1"><!-- Checking the last item in the list, give empty list to kill recursion -->
            <xsl:sequence select="util:recursivelyCheckDisplayTo($bannerRelToAndDisplayTo, util:intersectionOfCountries($commonCountries, util:getDisplayToCountries($portion)), ())"/>
            </xsl:when>
            <xsl:otherwise><!-- remove the first portion in the list (the one just checked) -->
                <xsl:sequence select="util:recursivelyCheckDisplayTo($bannerRelToAndDisplayTo, util:intersectionOfCountries($commonCountries, util:getDisplayToCountries($portion)),
subsequence($remainingPartTags, 2))"/>
            </xsl:otherwise>
        </xsl:choose>
    </xsl:function>
    <!-- The function that should be called from schematron rules.
    This function iterates through the portions until it gets to a portion
    that has @ism:releasableTo and does not contain a special tetra in @ism:releasableTo.
    It uses the countries in @ism:releasableTo from that portion as the initial common
    countries list for the recursive function.
    -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
    name="util:checkDisplayToPortionsAgainstBannerAndGetCommonCountries"
    as="xs:string*">
    <xsl:param name="bannerRelToAndDisplayTo" as="xs:string"/>
    <xsl:param name="remainingPartTags" as="node()*"/>
    <xsl:variable name="portion" select="$remainingPartTags[1]"/>
    <xsl:choose>
        <xsl:when test="count($remainingPartTags) = 0"><!-- no portions provided, so choose either: had no portions to begin with OR no portion had a special tetra -->
            <xsl:sequence select="( 'PASS' )"/>
            </xsl:when>
            <xsl:when test="util:containsFDR($portion) and not(util:isDisplayable($portion))"><!-- this portion contributes, contains FD&R markings, and is not displayable so
the commonCountry set is empty -->
                <xsl:sequence select="()" />
            </xsl:when>
            <xsl:when test="util:isDisplayable($portion) and not(util:containsSpecialTetra(util:getDisplayToCountries($portion)))"><!-- first portion with releasableTo or
displayOnlyTo that does not have a special tetra; use it to seed common country list -->

```

```

<xsl:sequence select="util:recursivelyCheckDisplayTo($bannerRelToAndDisplayTo, util:decomposeTetragraphs(util:getDisplayToCountries($portion)), $remainingPartTags)"/>
  </xsl:when>
  <xsl:otherwise><!-- remove the first portion in the list (the one just checked) and iterate -->
<xsl:sequence select="util:checkDisplayToPortionsAgainstBannerAndGetCommonCountries($bannerRelToAndDisplayTo, subsequence($remainingPartTags, 2))"/>
  </xsl:otherwise>
</xsl:choose>
</xsl:function>
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  name="util:getTetragraphMembership">
  <xsl:param name="tetra"/>
  <xsl:variable name="tetragraph"
    select="$catt//catt:Tetragraph[catt:TetraToken = $tetra]"/>
  <xsl:value-of select="if ($tetragraph[@decomposable = 'Yes' or @decomposable = 'NA']) then string-join(($tetragraph/catt:Membership/*/text()), ' ') else $tetra"/>
</xsl:function>
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  name="util:getTetragraphReleasability">
  <xsl:param name="tetra"/>
  <xsl:value-of select="string-join(distinct-values(for $token in tokenize($catt//catt:Tetragraph[catt:TetraToken = $tetra]/@ism:releasableTo, ' ') return if (index-
of($catt//catt:TetraToken, $token) > 0) then util:getTetragraphMembership($token) else $token), ' ')"/>
</xsl:function>
<!-- DoD and IC have some differences in how SARs are processed, so there are Schematron rules that disallow
cases with more SAR tokens than a given number. We need to count the SAR tokens in ism:SARIdentifier,
but what we are really looking for is all the unique SAR markings. ISM SARIdentifier tokens include
a SAR Owner and an optional classification along with the SAR marking. If, for example, a document has
ism:SARIdentifier="DOD:S:DEMOSAP1 DOD:TS:DEMOSAP1 DOD:S:DEMOSAP2", there are really only two SAPs in this
attribute: DEMOSAP1 and DEMOSAP2. We need to throw away the SAR Owner (before and including the first colon :)
and any classification between the two colons, then get distinct-values on the rest. -->
<!-- parameter sars should be the value of an @ism:SARIdentifier attribute -->
<xsl:function xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  name="util:countSARmarkings">
  <xsl:param name="sars"/>
  <xsl:variable name="tokenizedSARs" select="tokenize($sars, ' ')"/>
  <xsl:variable name="SARmarkings">
    <xsl:for-each select="$tokenizedSARs">
      <xsl:if test="not(position() = 1)">
        <xsl:text/>
      </xsl:if>
      <xsl:variable name="SARlessOwner" select="substring-after(., ':')"/>
      <xsl:choose>
        <xsl:when test="contains($SARlessOwner, ':')">
          <xsl:value-of select="concat(substring-before(., ':'), ':', substring-after($SARlessOwner, ':'))"/>
        </xsl:when>
        <xsl:otherwise>
          <xsl:value-of select="."/>
        </xsl:otherwise>
      </xsl:choose>
    </xsl:for-each>
  </xsl:variable>
  <xsl:value-of select="count(distinct-values(tokenize($SARmarkings, ' ')))"/>
</xsl:function>
<!--*****-->
<!-- (U) ISM Phases -->

```

```
<!--*****-->
<!--(U) Phase: Non-infrastructure-->
<!--(U) Phase: BANNER-->
<!--(U) Phase: PORTION-->
<!--(U) Phase: VALUECHECK-->
<!--(U) Phase: STRUCTURECHECK-->
<!--(U) Phase: ROLLUP-->
<!--(U) Phase: TYPECHECK-->
<!--(U) Phase: ROLLDOWN-->
<!--(U) Phase: INFRASTRUCTURE-->
<!--*****-->
<!-- (U) ISM ID Rules -->
<!--*****-->
<!--(U) NTK-->

<sch:include href="./Rules/NTK/general/ISM_ID_00399.sch"/>
  <sch:include href="./Rules/NTK/general/ISM_ID_00400.sch"/>
  <sch:include href="./Rules/NTK/exdis/ISM_ID_00401.sch"/>
  <sch:include href="./Rules/NTK/orcon/ISM_ID_00402.sch"/>
  <sch:include href="./Rules/NTK/MN/ISM_ID_00403.sch"/>
  <sch:include href="./Rules/NTK/MN/ISM_ID_00404.sch"/>
  <sch:include href="./Rules/NTK/MN/ISM_ID_00405.sch"/>
  <sch:include href="./Rules/NTK/MN/ISM_ID_00406.sch"/>
  <sch:include href="./Rules/NTK/propin/ISM_ID_00407.sch"/>
  <sch:include href="./Rules/NTK/propin/ISM_ID_00408.sch"/>
  <sch:include href="./Rules/NTK/grp-ind/ISM_ID_00409.sch"/>
  <sch:include href="./Rules/NTK/grp-ind/ISM_ID_00410.sch"/>
  <sch:include href="./Rules/NTK/general/ISM_ID_00411.sch"/>
  <sch:include href="./Rules/NTK/general/ISM_ID_00412.sch"/>
  <sch:include href="./Rules/NTK/general/ISM_ID_00413.sch"/>
  <sch:include href="./Rules/NTK/datasphere/ISM_ID_00414.sch"/>
  <sch:include href="./Rules/NTK/datasphere/ISM_ID_00415.sch"/>
  <sch:include href="./Rules/NTK/general/ISM_ID_00416.sch"/>
  <sch:include href="./Rules/NTK/general/ISM_ID_00417.sch"/>
  <sch:include href="./Rules/NTK/general/ISM_ID_00418.sch"/>
  <sch:include href="./Rules/NTK/ICO/ISM_ID_00419.sch"/>
  <sch:include href="./Rules/NTK/general/ISM_ID_00420.sch"/>
  <sch:include href="./Rules/NTK/agencyDissem/ISM_ID_00421.sch"/>
  <sch:include href="./Rules/NTK/general/ISM_ID_00422.sch"/>
  <sch:include href="./Rules/NTK/MN/ISM_ID_00423.sch"/>
  <sch:include href="./Rules/NTK/MN/ISM_ID_00424.sch"/>
  <sch:include href="./Rules/NTK/general/ISM_ID_00425.sch"/>
  <sch:include href="./Rules/NTK/general/ISM_ID_00426.sch"/>
  <sch:include href="./Rules/NTK/permissive/ISM_ID_00427.sch"/>
  <sch:include href="./Rules/NTK/agencyDissem/ISM_ID_00428.sch"/>
  <sch:include href="./Rules/NTK/propin/ISM_ID_00429.sch"/>
  <sch:include href="./Rules/NTK/restrictive/ISM_ID_00430.sch"/>
  <sch:include href="./Rules/NTK/restrictive/ISM_ID_00431.sch"/>
  <sch:include href="./Rules/NTK/orcon/ISM_ID_00432.sch"/>
  <sch:include href="./Rules/NTK/exdis/ISM_ID_00433.sch"/>
  <sch:include href="./Rules/NTK/general/ISM_ID_00434.sch"/>
  <sch:include href="./Rules/NTK/general/ISM_ID_00435.sch"/>
  <sch:include href="./Rules/NTK/general/ISM_ID_00436.sch"/>
  <sch:include href="./Rules/NTK/general/ISM_ID_00437.sch"/>
```

```
<sch:include href="./Rules/NTK/general/ISM_ID_00438.sch"/>
<sch:include href="./Rules/NTK/MN/ISM_ID_00439.sch"/>
<sch:include href="./Rules/NTK/general/ISM_ID_00440.sch"/>
<sch:include href="./Rules/NTK/general/ISM_ID_00454.sch"/>
<sch:include href="./Rules/NTK/general/ISM_ID_00455.sch"/>
<sch:include href="./Rules/NTK/RAC/ISM_ID_00456.sch"/>
<sch:include href="./Rules/NTK/general/ISM_ID_00457.sch"/>
<sch:include href="./Rules/NTK/RAC/ISM_ID_00458.sch"/>
<sch:include href="./Rules/NTK/permssv-ent-role/ISM_ID_00477.sch"/>
<sch:include href="./Rules/NTK/restrcv-ent-role/ISM_ID_00489.sch"/>
<sch:include href="./Rules/NTK/restrcv-ent-role/ISM_ID_00490.sch"/>
<sch:include href="./Rules/NTK/grp-ind/ISM_ID_00493.sch"/>
<sch:include href="./Rules/NTK/permssv-ent-role/ISM_ID_00508.sch"/>
<sch:include href="./Rules/NTK/general/ISM_ID_00509.sch"/>
<!--(U) USDOD-->
```

```
<sch:include href="./Rules/USDOD/ISM_ID_00155.sch"/>
<sch:include href="./Rules/USDOD/ISM_ID_00157.sch"/>
<sch:include href="./Rules/USDOD/ISM_ID_00158.sch"/>
<sch:include href="./Rules/USDOD/ISM_ID_00161.sch"/>
<sch:include href="./Rules/USDOD/ISM_ID_00162.sch"/>
<sch:include href="./Rules/USDOD/ISM_ID_00227.sch"/>
<sch:include href="./Rules/USDOD/ISM_ID_00237.sch"/>
<sch:include href="./Rules/USDOD/ISM_ID_00238.sch"/>
<sch:include href="./Rules/USDOD/ISM_ID_00239.sch"/>
<sch:include href="./Rules/USDOD/ISM_ID_00240.sch"/>
<sch:include href="./Rules/USDOD/ISM_ID_00527.sch"/>
<!--(U) USGov-->
```

```
<sch:include href="./Rules/USGov/ISM_ID_00014.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00016.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00017.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00028.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00030.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00031.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00032.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00033.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00037.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00038.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00040.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00043.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00044.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00045.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00047.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00048.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00049.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00056.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00058.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00059.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00064.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00065.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00066.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00067.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00068.sch"/>
```

```
<sch:include href="./Rules/USGov/ISM_ID_00070.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00071.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00072.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00073.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00074.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00075.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00077.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00078.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00079.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00080.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00081.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00084.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00085.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00086.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00087.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00088.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00090.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00097.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00099.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00104.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00105.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00107.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00108.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00109.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00110.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00124.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00127.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00128.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00129.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00130.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00132.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00133.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00134.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00135.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00136.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00138.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00139.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00141.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00142.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00143.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00145.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00146.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00147.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00148.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00149.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00150.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00151.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00152.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00153.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00154.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00159.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00164.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00165.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00166.sch"/>
```

```
<sch:include href="./Rules/USGov/ISM_ID_00168.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00169.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00170.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00173.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00174.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00175.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00176.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00179.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00180.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00181.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00183.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00184.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00185.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00188.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00189.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00190.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00191.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00192.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00193.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00196.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00197.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00198.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00199.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00200.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00201.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00202.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00203.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00204.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00205.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00206.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00207.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00208.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00209.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00210.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00211.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00213.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00214.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00217.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00219.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00221.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00223.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00226.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00228.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00229.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00230.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00231.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00242.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00243.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00244.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00245.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00246.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00250.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00252.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00253.sch"/>
```

```
<sch:include href="./Rules/USGov/ISM_ID_00254.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00255.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00256.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00257.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00258.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00259.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00260.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00261.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00262.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00263.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00264.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00265.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00266.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00267.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00268.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00269.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00270.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00271.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00272.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00273.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00274.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00275.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00276.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00277.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00278.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00279.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00280.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00281.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00282.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00283.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00284.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00285.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00286.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00287.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00288.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00289.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00290.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00291.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00292.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00293.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00294.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00295.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00296.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00297.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00298.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00299.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00302.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00303.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00313.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00314.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00315.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00316.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00317.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00318.sch"/>
```

```
<sch:include href="./Rules/USGov/ISM_ID_00319.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00320.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00321.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00324.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00325.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00326.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00327.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00328.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00330.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00332.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00335.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00336.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00341.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00343.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00344.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00345.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00346.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00347.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00348.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00349.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00350.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00351.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00352.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00353.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00354.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00355.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00356.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00357.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00361.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00362.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00363.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00364.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00365.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00367.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00368.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00369.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00370.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00371.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00372.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00373.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00374.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00379.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00380.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00384.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00385.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00386.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00387.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00388.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00389.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00391.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00392.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00393.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00394.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00396.sch"/>
```

```
<sch:include href="./Rules/USGov/ISM_ID_00397.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00398.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00441.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00442.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00443.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00444.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00459.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00460.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00461.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00462.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00463.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00464.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00465.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00466.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00467.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00468.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00469.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00470.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00471.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00472.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00473.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00474.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00475.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00476.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00478.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00479.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00480.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00481.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00482.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00483.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00484.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00485.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00486.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00487.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00488.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00491.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00492.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00494.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00495.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00496.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00497.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00498.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00499.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00500.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00501.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00502.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00503.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00504.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00505.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00506.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00507.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00512.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00513.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00514.sch"/>
```

```
<sch:include href="./Rules/USGov/ISM_ID_00515.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00516.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00517.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00518.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00519.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00521.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00522.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00523.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00524.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00525.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00526.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00528.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00529.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00530.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00531.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00532.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00533.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00534.sch"/>
<sch:include href="./Rules/USGov/ISM_ID_00535.sch"/>
<!--(U) USIC-->
```

```
<sch:include href="./Rules/USIC/ISM_ID_00119.sch"/>
  <sch:include href="./Rules/USIC/ISM_ID_00225.sch"/>
  <sch:include href="./Rules/USIC/ISM_ID_00251.sch"/>
  <!--(U) general-->
```

```
<sch:include href="./Rules/general/ISM_ID_00002.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00012.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00102.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00103.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00118.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00125.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00163.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00194.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00195.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00236.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00248.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00300.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00323.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00337.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00338.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00339.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00340.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00358.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00359.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00360.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00375.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00376.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00377.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00378.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00381.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00382.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00383.sch"/>
  <sch:include href="./Rules/general/ISM_ID_00445.sch"/>
```

```
<sch:include href="./Rules/general/ISM_ID_00446.sch"/>
<sch:include href="./Rules/general/ISM_ID_00447.sch"/>
<sch:include href="./Rules/general/ISM_ID_00448.sch"/>
<sch:include href="./Rules/general/ISM_ID_00449.sch"/>
<sch:include href="./Rules/general/ISM_ID_00450.sch"/>
<sch:include href="./Rules/general/ISM_ID_00451.sch"/>
<sch:include href="./Rules/general/ISM_ID_00452.sch"/>
<sch:include href="./Rules/general/ISM_ID_00453.sch"/>
<sch:include href="./Rules/general/ISM_ID_00510.sch"/>
<sch:include href="./Rules/general/ISM_ID_00511.sch"/>
<sch:include href="./Rules/general/ISM_ID_00520.sch"/>
<!--*****-->
<!-- (U) ISM Phases -->
<!--*****-->
<!--(U) Phase: Non-infrastructure-->
<sch:phase id="NON_INFRASTRUCTURE">
  <sch:active pattern="ISM-ID-00419"/>
  <sch:active pattern="ISM-ID-00403"/>
  <sch:active pattern="ISM-ID-00404"/>
  <sch:active pattern="ISM-ID-00405"/>
  <sch:active pattern="ISM-ID-00406"/>
  <sch:active pattern="ISM-ID-00423"/>
  <sch:active pattern="ISM-ID-00424"/>
  <sch:active pattern="ISM-ID-00439"/>
  <sch:active pattern="ISM-ID-00456"/>
  <sch:active pattern="ISM-ID-00458"/>
  <sch:active pattern="ISM-ID-00421"/>
  <sch:active pattern="ISM-ID-00428"/>
  <sch:active pattern="ISM-ID-00414"/>
  <sch:active pattern="ISM-ID-00415"/>
  <sch:active pattern="ISM-ID-00401"/>
  <sch:active pattern="ISM-ID-00433"/>
  <sch:active pattern="ISM-ID-00399"/>
  <sch:active pattern="ISM-ID-00400"/>
  <sch:active pattern="ISM-ID-00411"/>
  <sch:active pattern="ISM-ID-00412"/>
  <sch:active pattern="ISM-ID-00413"/>
  <sch:active pattern="ISM-ID-00416"/>
  <sch:active pattern="ISM-ID-00417"/>
  <sch:active pattern="ISM-ID-00418"/>
  <sch:active pattern="ISM-ID-00420"/>
  <sch:active pattern="ISM-ID-00422"/>
  <sch:active pattern="ISM-ID-00425"/>
  <sch:active pattern="ISM-ID-00426"/>
  <sch:active pattern="ISM-ID-00434"/>
  <sch:active pattern="ISM-ID-00435"/>
  <sch:active pattern="ISM-ID-00436"/>
  <sch:active pattern="ISM-ID-00437"/>
  <sch:active pattern="ISM-ID-00438"/>
  <sch:active pattern="ISM-ID-00440"/>
  <sch:active pattern="ISM-ID-00454"/>
  <sch:active pattern="ISM-ID-00455"/>
  <sch:active pattern="ISM-ID-00457"/>

```

```
<sch:active pattern="ISM-ID-00509"/>
<sch:active pattern="ISM-ID-00409"/>
<sch:active pattern="ISM-ID-00410"/>
<sch:active pattern="ISM-ID-00493"/>
<sch:active pattern="ISM-ID-00402"/>
<sch:active pattern="ISM-ID-00432"/>
<sch:active pattern="ISM-ID-00427"/>
<sch:active pattern="ISM-ID-00477"/>
<sch:active pattern="ISM-ID-00508"/>
<sch:active pattern="ISM-ID-00407"/>
<sch:active pattern="ISM-ID-00408"/>
<sch:active pattern="ISM-ID-00429"/>
<sch:active pattern="ISM-ID-00489"/>
<sch:active pattern="ISM-ID-00490"/>
<sch:active pattern="ISM-ID-00430"/>
<sch:active pattern="ISM-ID-00431"/>
<sch:active pattern="ISM-ID-00155"/>
<sch:active pattern="ISM-ID-00157"/>
<sch:active pattern="ISM-ID-00158"/>
<sch:active pattern="ISM-ID-00161"/>
<sch:active pattern="ISM-ID-00162"/>
<sch:active pattern="ISM-ID-00227"/>
<sch:active pattern="ISM-ID-00237"/>
<sch:active pattern="ISM-ID-00238"/>
<sch:active pattern="ISM-ID-00239"/>
<sch:active pattern="ISM-ID-00240"/>
<sch:active pattern="ISM-ID-00527"/>
<sch:active pattern="ISM-ID-00014"/>
<sch:active pattern="ISM-ID-00016"/>
<sch:active pattern="ISM-ID-00017"/>
<sch:active pattern="ISM-ID-00028"/>
<sch:active pattern="ISM-ID-00030"/>
<sch:active pattern="ISM-ID-00031"/>
<sch:active pattern="ISM-ID-00032"/>
<sch:active pattern="ISM-ID-00033"/>
<sch:active pattern="ISM-ID-00037"/>
<sch:active pattern="ISM-ID-00038"/>
<sch:active pattern="ISM-ID-00040"/>
<sch:active pattern="ISM-ID-00043"/>
<sch:active pattern="ISM-ID-00044"/>
<sch:active pattern="ISM-ID-00045"/>
<sch:active pattern="ISM-ID-00047"/>
<sch:active pattern="ISM-ID-00048"/>
<sch:active pattern="ISM-ID-00049"/>
<sch:active pattern="ISM-ID-00056"/>
<sch:active pattern="ISM-ID-00058"/>
<sch:active pattern="ISM-ID-00059"/>
<sch:active pattern="ISM-ID-00064"/>
<sch:active pattern="ISM-ID-00065"/>
<sch:active pattern="ISM-ID-00066"/>
<sch:active pattern="ISM-ID-00067"/>
<sch:active pattern="ISM-ID-00068"/>
<sch:active pattern="ISM-ID-00070"/>
<sch:active pattern="ISM-ID-00071"/>
```

```
<sch:active pattern="ISM-ID-00072"/>
<sch:active pattern="ISM-ID-00073"/>
<sch:active pattern="ISM-ID-00074"/>
<sch:active pattern="ISM-ID-00075"/>
<sch:active pattern="ISM-ID-00077"/>
<sch:active pattern="ISM-ID-00078"/>
<sch:active pattern="ISM-ID-00079"/>
<sch:active pattern="ISM-ID-00080"/>
<sch:active pattern="ISM-ID-00081"/>
<sch:active pattern="ISM-ID-00084"/>
<sch:active pattern="ISM-ID-00085"/>
<sch:active pattern="ISM-ID-00086"/>
<sch:active pattern="ISM-ID-00087"/>
<sch:active pattern="ISM-ID-00088"/>
<sch:active pattern="ISM-ID-00090"/>
<sch:active pattern="ISM-ID-00097"/>
<sch:active pattern="ISM-ID-00099"/>
<sch:active pattern="ISM-ID-00104"/>
<sch:active pattern="ISM-ID-00105"/>
<sch:active pattern="ISM-ID-00107"/>
<sch:active pattern="ISM-ID-00108"/>
<sch:active pattern="ISM-ID-00109"/>
<sch:active pattern="ISM-ID-00110"/>
<sch:active pattern="ISM-ID-00124"/>
<sch:active pattern="ISM-ID-00127"/>
<sch:active pattern="ISM-ID-00128"/>
<sch:active pattern="ISM-ID-00129"/>
<sch:active pattern="ISM-ID-00130"/>
<sch:active pattern="ISM-ID-00132"/>
<sch:active pattern="ISM-ID-00133"/>
<sch:active pattern="ISM-ID-00134"/>
<sch:active pattern="ISM-ID-00135"/>
<sch:active pattern="ISM-ID-00136"/>
<sch:active pattern="ISM-ID-00138"/>
<sch:active pattern="ISM-ID-00139"/>
<sch:active pattern="ISM-ID-00141"/>
<sch:active pattern="ISM-ID-00142"/>
<sch:active pattern="ISM-ID-00143"/>
<sch:active pattern="ISM-ID-00145"/>
<sch:active pattern="ISM-ID-00146"/>
<sch:active pattern="ISM-ID-00147"/>
<sch:active pattern="ISM-ID-00148"/>
<sch:active pattern="ISM-ID-00149"/>
<sch:active pattern="ISM-ID-00150"/>
<sch:active pattern="ISM-ID-00151"/>
<sch:active pattern="ISM-ID-00152"/>
<sch:active pattern="ISM-ID-00153"/>
<sch:active pattern="ISM-ID-00154"/>
<sch:active pattern="ISM-ID-00159"/>
<sch:active pattern="ISM-ID-00164"/>
<sch:active pattern="ISM-ID-00165"/>
<sch:active pattern="ISM-ID-00166"/>
<sch:active pattern="ISM-ID-00168"/>
<sch:active pattern="ISM-ID-00169"/>
```

```
<sch:active pattern="ISM-ID-00170"/>
<sch:active pattern="ISM-ID-00173"/>
<sch:active pattern="ISM-ID-00174"/>
<sch:active pattern="ISM-ID-00175"/>
<sch:active pattern="ISM-ID-00176"/>
<sch:active pattern="ISM-ID-00179"/>
<sch:active pattern="ISM-ID-00180"/>
<sch:active pattern="ISM-ID-00181"/>
<sch:active pattern="ISM-ID-00183"/>
<sch:active pattern="ISM-ID-00184"/>
<sch:active pattern="ISM-ID-00185"/>
<sch:active pattern="ISM-ID-00188"/>
<sch:active pattern="ISM-ID-00189"/>
<sch:active pattern="ISM-ID-00190"/>
<sch:active pattern="ISM-ID-00191"/>
<sch:active pattern="ISM-ID-00192"/>
<sch:active pattern="ISM-ID-00193"/>
<sch:active pattern="ISM-ID-00196"/>
<sch:active pattern="ISM-ID-00197"/>
<sch:active pattern="ISM-ID-00198"/>
<sch:active pattern="ISM-ID-00199"/>
<sch:active pattern="ISM-ID-00200"/>
<sch:active pattern="ISM-ID-00201"/>
<sch:active pattern="ISM-ID-00202"/>
<sch:active pattern="ISM-ID-00203"/>
<sch:active pattern="ISM-ID-00204"/>
<sch:active pattern="ISM-ID-00205"/>
<sch:active pattern="ISM-ID-00206"/>
<sch:active pattern="ISM-ID-00207"/>
<sch:active pattern="ISM-ID-00208"/>
<sch:active pattern="ISM-ID-00209"/>
<sch:active pattern="ISM-ID-00210"/>
<sch:active pattern="ISM-ID-00211"/>
<sch:active pattern="ISM-ID-00213"/>
<sch:active pattern="ISM-ID-00214"/>
<sch:active pattern="ISM-ID-00217"/>
<sch:active pattern="ISM-ID-00219"/>
<sch:active pattern="ISM-ID-00221"/>
<sch:active pattern="ISM-ID-00223"/>
<sch:active pattern="ISM-ID-00226"/>
<sch:active pattern="ISM-ID-00228"/>
<sch:active pattern="ISM-ID-00229"/>
<sch:active pattern="ISM-ID-00230"/>
<sch:active pattern="ISM-ID-00231"/>
<sch:active pattern="ISM-ID-00242"/>
<sch:active pattern="ISM-ID-00243"/>
<sch:active pattern="ISM-ID-00244"/>
<sch:active pattern="ISM-ID-00245"/>
<sch:active pattern="ISM-ID-00246"/>
<sch:active pattern="ISM-ID-00250"/>
<sch:active pattern="ISM-ID-00252"/>
<sch:active pattern="ISM-ID-00253"/>
<sch:active pattern="ISM-ID-00254"/>
<sch:active pattern="ISM-ID-00255"/>
```

```
<sch:active pattern="ISM-ID-00256"/>
<sch:active pattern="ISM-ID-00257"/>
<sch:active pattern="ISM-ID-00258"/>
<sch:active pattern="ISM-ID-00259"/>
<sch:active pattern="ISM-ID-00260"/>
<sch:active pattern="ISM-ID-00261"/>
<sch:active pattern="ISM-ID-00262"/>
<sch:active pattern="ISM-ID-00263"/>
<sch:active pattern="ISM-ID-00264"/>
<sch:active pattern="ISM-ID-00265"/>
<sch:active pattern="ISM-ID-00266"/>
<sch:active pattern="ISM-ID-00267"/>
<sch:active pattern="ISM-ID-00268"/>
<sch:active pattern="ISM-ID-00269"/>
<sch:active pattern="ISM-ID-00270"/>
<sch:active pattern="ISM-ID-00271"/>
<sch:active pattern="ISM-ID-00272"/>
<sch:active pattern="ISM-ID-00273"/>
<sch:active pattern="ISM-ID-00274"/>
<sch:active pattern="ISM-ID-00275"/>
<sch:active pattern="ISM-ID-00276"/>
<sch:active pattern="ISM-ID-00277"/>
<sch:active pattern="ISM-ID-00278"/>
<sch:active pattern="ISM-ID-00279"/>
<sch:active pattern="ISM-ID-00280"/>
<sch:active pattern="ISM-ID-00281"/>
<sch:active pattern="ISM-ID-00282"/>
<sch:active pattern="ISM-ID-00283"/>
<sch:active pattern="ISM-ID-00284"/>
<sch:active pattern="ISM-ID-00285"/>
<sch:active pattern="ISM-ID-00286"/>
<sch:active pattern="ISM-ID-00287"/>
<sch:active pattern="ISM-ID-00288"/>
<sch:active pattern="ISM-ID-00289"/>
<sch:active pattern="ISM-ID-00290"/>
<sch:active pattern="ISM-ID-00291"/>
<sch:active pattern="ISM-ID-00292"/>
<sch:active pattern="ISM-ID-00293"/>
<sch:active pattern="ISM-ID-00294"/>
<sch:active pattern="ISM-ID-00295"/>
<sch:active pattern="ISM-ID-00296"/>
<sch:active pattern="ISM-ID-00297"/>
<sch:active pattern="ISM-ID-00298"/>
<sch:active pattern="ISM-ID-00299"/>
<sch:active pattern="ISM-ID-00302"/>
<sch:active pattern="ISM-ID-00303"/>
<sch:active pattern="ISM-ID-00313"/>
<sch:active pattern="ISM-ID-00314"/>
<sch:active pattern="ISM-ID-00315"/>
<sch:active pattern="ISM-ID-00316"/>
<sch:active pattern="ISM-ID-00317"/>
<sch:active pattern="ISM-ID-00318"/>
<sch:active pattern="ISM-ID-00319"/>
<sch:active pattern="ISM-ID-00320"/>
```

```
<sch:active pattern="ISM-ID-00321"/>
<sch:active pattern="ISM-ID-00324"/>
<sch:active pattern="ISM-ID-00325"/>
<sch:active pattern="ISM-ID-00326"/>
<sch:active pattern="ISM-ID-00327"/>
<sch:active pattern="ISM-ID-00328"/>
<sch:active pattern="ISM-ID-00330"/>
<sch:active pattern="ISM-ID-00332"/>
<sch:active pattern="ISM-ID-00335"/>
<sch:active pattern="ISM-ID-00336"/>
<sch:active pattern="ISM-ID-00341"/>
<sch:active pattern="ISM-ID-00343"/>
<sch:active pattern="ISM-ID-00344"/>
<sch:active pattern="ISM-ID-00345"/>
<sch:active pattern="ISM-ID-00346"/>
<sch:active pattern="ISM-ID-00347"/>
<sch:active pattern="ISM-ID-00348"/>
<sch:active pattern="ISM-ID-00349"/>
<sch:active pattern="ISM-ID-00350"/>
<sch:active pattern="ISM-ID-00351"/>
<sch:active pattern="ISM-ID-00352"/>
<sch:active pattern="ISM-ID-00353"/>
<sch:active pattern="ISM-ID-00354"/>
<sch:active pattern="ISM-ID-00355"/>
<sch:active pattern="ISM-ID-00356"/>
<sch:active pattern="ISM-ID-00357"/>
<sch:active pattern="ISM-ID-00361"/>
<sch:active pattern="ISM-ID-00362"/>
<sch:active pattern="ISM-ID-00363"/>
<sch:active pattern="ISM-ID-00364"/>
<sch:active pattern="ISM-ID-00365"/>
<sch:active pattern="ISM-ID-00367"/>
<sch:active pattern="ISM-ID-00368"/>
<sch:active pattern="ISM-ID-00369"/>
<sch:active pattern="ISM-ID-00370"/>
<sch:active pattern="ISM-ID-00371"/>
<sch:active pattern="ISM-ID-00372"/>
<sch:active pattern="ISM-ID-00373"/>
<sch:active pattern="ISM-ID-00374"/>
<sch:active pattern="ISM-ID-00379"/>
<sch:active pattern="ISM-ID-00380"/>
<sch:active pattern="ISM-ID-00384"/>
<sch:active pattern="ISM-ID-00385"/>
<sch:active pattern="ISM-ID-00386"/>
<sch:active pattern="ISM-ID-00387"/>
<sch:active pattern="ISM-ID-00388"/>
<sch:active pattern="ISM-ID-00389"/>
<sch:active pattern="ISM-ID-00391"/>
<sch:active pattern="ISM-ID-00392"/>
<sch:active pattern="ISM-ID-00393"/>
<sch:active pattern="ISM-ID-00394"/>
<sch:active pattern="ISM-ID-00396"/>
<sch:active pattern="ISM-ID-00397"/>
<sch:active pattern="ISM-ID-00398"/>
```

```
<sch:active pattern="ISM-ID-00441"/>
<sch:active pattern="ISM-ID-00442"/>
<sch:active pattern="ISM-ID-00443"/>
<sch:active pattern="ISM-ID-00444"/>
<sch:active pattern="ISM-ID-00459"/>
<sch:active pattern="ISM-ID-00460"/>
<sch:active pattern="ISM-ID-00461"/>
<sch:active pattern="ISM-ID-00462"/>
<sch:active pattern="ISM-ID-00473"/>
<sch:active pattern="ISM-ID-00487"/>
<sch:active pattern="ISM-ID-00488"/>
<sch:active pattern="ISM-ID-00491"/>
<sch:active pattern="ISM-ID-00492"/>
<sch:active pattern="ISM-ID-00494"/>
<sch:active pattern="ISM-ID-00495"/>
<sch:active pattern="ISM-ID-00496"/>
<sch:active pattern="ISM-ID-00497"/>
<sch:active pattern="ISM-ID-00498"/>
<sch:active pattern="ISM-ID-00499"/>
<sch:active pattern="ISM-ID-00500"/>
<sch:active pattern="ISM-ID-00501"/>
<sch:active pattern="ISM-ID-00502"/>
<sch:active pattern="ISM-ID-00503"/>
<sch:active pattern="ISM-ID-00504"/>
<sch:active pattern="ISM-ID-00505"/>
<sch:active pattern="ISM-ID-00506"/>
<sch:active pattern="ISM-ID-00507"/>
<sch:active pattern="ISM-ID-00512"/>
<sch:active pattern="ISM-ID-00513"/>
<sch:active pattern="ISM-ID-00514"/>
<sch:active pattern="ISM-ID-00515"/>
<sch:active pattern="ISM-ID-00516"/>
<sch:active pattern="ISM-ID-00517"/>
<sch:active pattern="ISM-ID-00518"/>
<sch:active pattern="ISM-ID-00519"/>
<sch:active pattern="ISM-ID-00521"/>
<sch:active pattern="ISM-ID-00522"/>
<sch:active pattern="ISM-ID-00523"/>
<sch:active pattern="ISM-ID-00524"/>
<sch:active pattern="ISM-ID-00525"/>
<sch:active pattern="ISM-ID-00526"/>
<sch:active pattern="ISM-ID-00528"/>
<sch:active pattern="ISM-ID-00529"/>
<sch:active pattern="ISM-ID-00530"/>
<sch:active pattern="ISM-ID-00531"/>
<sch:active pattern="ISM-ID-00532"/>
<sch:active pattern="ISM-ID-00533"/>
<sch:active pattern="ISM-ID-00534"/>
<sch:active pattern="ISM-ID-00535"/>
<sch:active pattern="ISM-ID-00463"/>
<sch:active pattern="ISM-ID-00464"/>
<sch:active pattern="ISM-ID-00465"/>
<sch:active pattern="ISM-ID-00466"/>
<sch:active pattern="ISM-ID-00467"/>
```

```
<sch:active pattern="ISM-ID-00468"/>
<sch:active pattern="ISM-ID-00469"/>
<sch:active pattern="ISM-ID-00470"/>
<sch:active pattern="ISM-ID-00471"/>
<sch:active pattern="ISM-ID-00472"/>
<sch:active pattern="ISM-ID-00474"/>
<sch:active pattern="ISM-ID-00475"/>
<sch:active pattern="ISM-ID-00476"/>
<sch:active pattern="ISM-ID-00478"/>
<sch:active pattern="ISM-ID-00479"/>
<sch:active pattern="ISM-ID-00480"/>
<sch:active pattern="ISM-ID-00481"/>
<sch:active pattern="ISM-ID-00482"/>
<sch:active pattern="ISM-ID-00483"/>
<sch:active pattern="ISM-ID-00484"/>
<sch:active pattern="ISM-ID-00485"/>
<sch:active pattern="ISM-ID-00486"/>
<sch:active pattern="ISM-ID-00119"/>
<sch:active pattern="ISM-ID-00225"/>
<sch:active pattern="ISM-ID-00251"/>
<sch:active pattern="ISM-ID-00378"/>
<sch:active pattern="ISM-ID-00381"/>
<sch:active pattern="ISM-ID-00382"/>
<sch:active pattern="ISM-ID-00383"/>
<sch:active pattern="ISM-ID-00449"/>
<sch:active pattern="ISM-ID-00450"/>
<sch:active pattern="ISM-ID-00451"/>
<sch:active pattern="ISM-ID-00452"/>
<sch:active pattern="ISM-ID-00453"/>
<sch:active pattern="ISM-ID-00510"/>
<sch:active pattern="ISM-ID-00511"/>
<sch:active pattern="ISM-ID-00002"/>
<sch:active pattern="ISM-ID-00012"/>
<sch:active pattern="ISM-ID-00102"/>
<sch:active pattern="ISM-ID-00103"/>
<sch:active pattern="ISM-ID-00118"/>
<sch:active pattern="ISM-ID-00125"/>
<sch:active pattern="ISM-ID-00163"/>
<sch:active pattern="ISM-ID-00194"/>
<sch:active pattern="ISM-ID-00195"/>
<sch:active pattern="ISM-ID-00236"/>
<sch:active pattern="ISM-ID-00248"/>
<sch:active pattern="ISM-ID-00300"/>
<sch:active pattern="ISM-ID-00323"/>
<sch:active pattern="ISM-ID-00337"/>
<sch:active pattern="ISM-ID-00338"/>
<sch:active pattern="ISM-ID-00339"/>
<sch:active pattern="ISM-ID-00340"/>
<sch:active pattern="ISM-ID-00358"/>
<sch:active pattern="ISM-ID-00359"/>
<sch:active pattern="ISM-ID-00360"/>
<sch:active pattern="ISM-ID-00376"/>
<sch:active pattern="ISM-ID-00377"/>
</sch:phase>
```

```
<!--(U) Phase: STRUCTURECHECK-->
```

```
<sch:phase id="STRUCTURECHECK">  
  <sch:active pattern="ISM-ID-00419"/>  
  <sch:active pattern="ISM-ID-00405"/>  
  <sch:active pattern="ISM-ID-00406"/>  
  <sch:active pattern="ISM-ID-00421"/>  
  <sch:active pattern="ISM-ID-00416"/>  
  <sch:active pattern="ISM-ID-00417"/>  
  <sch:active pattern="ISM-ID-00422"/>  
  <sch:active pattern="ISM-ID-00425"/>  
  <sch:active pattern="ISM-ID-00426"/>  
  <sch:active pattern="ISM-ID-00437"/>  
  <sch:active pattern="ISM-ID-00454"/>  
  <sch:active pattern="ISM-ID-00455"/>  
  <sch:active pattern="ISM-ID-00408"/>  
  <sch:active pattern="ISM-ID-00157"/>  
  <sch:active pattern="ISM-ID-00161"/>  
  <sch:active pattern="ISM-ID-00237"/>  
  <sch:active pattern="ISM-ID-00239"/>  
  <sch:active pattern="ISM-ID-00240"/>  
  <sch:active pattern="ISM-ID-00527"/>  
  <sch:active pattern="ISM-ID-00014"/>  
  <sch:active pattern="ISM-ID-00016"/>  
  <sch:active pattern="ISM-ID-00017"/>  
  <sch:active pattern="ISM-ID-00031"/>  
  <sch:active pattern="ISM-ID-00032"/>  
  <sch:active pattern="ISM-ID-00064"/>  
  <sch:active pattern="ISM-ID-00065"/>  
  <sch:active pattern="ISM-ID-00133"/>  
  <sch:active pattern="ISM-ID-00141"/>  
  <sch:active pattern="ISM-ID-00142"/>  
  <sch:active pattern="ISM-ID-00143"/>  
  <sch:active pattern="ISM-ID-00168"/>  
  <sch:active pattern="ISM-ID-00176"/>  
  <sch:active pattern="ISM-ID-00213"/>  
  <sch:active pattern="ISM-ID-00221"/>  
  <sch:active pattern="ISM-ID-00226"/>  
  <sch:active pattern="ISM-ID-00250"/>  
  <sch:active pattern="ISM-ID-00299"/>  
  <sch:active pattern="ISM-ID-00324"/>  
  <sch:active pattern="ISM-ID-00326"/>  
  <sch:active pattern="ISM-ID-00328"/>  
  <sch:active pattern="ISM-ID-00349"/>  
  <sch:active pattern="ISM-ID-00350"/>  
  <sch:active pattern="ISM-ID-00351"/>  
  <sch:active pattern="ISM-ID-00367"/>  
  <sch:active pattern="ISM-ID-00385"/>  
  <sch:active pattern="ISM-ID-00494"/>  
  <sch:active pattern="ISM-ID-00495"/>  
  <sch:active pattern="ISM-ID-00497"/>  
  <sch:active pattern="ISM-ID-00499"/>  
  <sch:active pattern="ISM-ID-00512"/>  
  <sch:active pattern="ISM-ID-00513"/>
```

```
<sch:active pattern="ISM-ID-00518"/>
<sch:active pattern="ISM-ID-00519"/>
<sch:active pattern="ISM-ID-00522"/>
<sch:active pattern="ISM-ID-00523"/>
<sch:active pattern="ISM-ID-00524"/>
<sch:active pattern="ISM-ID-00525"/>
<sch:active pattern="ISM-ID-00526"/>
<sch:active pattern="ISM-ID-00529"/>
<sch:active pattern="ISM-ID-00531"/>
<sch:active pattern="ISM-ID-00532"/>
<sch:active pattern="ISM-ID-00533"/>
<sch:active pattern="ISM-ID-00534"/>
<sch:active pattern="ISM-ID-00535"/>
<sch:active pattern="ISM-ID-00476"/>
<sch:active pattern="ISM-ID-00486"/>
<sch:active pattern="ISM-ID-00449"/>
<sch:active pattern="ISM-ID-00450"/>
<sch:active pattern="ISM-ID-00452"/>
<sch:active pattern="ISM-ID-00510"/>
<sch:active pattern="ISM-ID-00012"/>
<sch:active pattern="ISM-ID-00102"/>
<sch:active pattern="ISM-ID-00118"/>
<sch:active pattern="ISM-ID-00337"/>
</sch:phase>
<!--(U) Phase: VALUECHECK-->
```

```
<sch:phase id="VALUECHECK">
  <sch:active pattern="ISM-ID-00403"/>
  <sch:active pattern="ISM-ID-00404"/>
  <sch:active pattern="ISM-ID-00406"/>
  <sch:active pattern="ISM-ID-00423"/>
  <sch:active pattern="ISM-ID-00424"/>
  <sch:active pattern="ISM-ID-00439"/>
  <sch:active pattern="ISM-ID-00456"/>
  <sch:active pattern="ISM-ID-00458"/>
  <sch:active pattern="ISM-ID-00428"/>
  <sch:active pattern="ISM-ID-00414"/>
  <sch:active pattern="ISM-ID-00415"/>
  <sch:active pattern="ISM-ID-00401"/>
  <sch:active pattern="ISM-ID-00433"/>
  <sch:active pattern="ISM-ID-00399"/>
  <sch:active pattern="ISM-ID-00400"/>
  <sch:active pattern="ISM-ID-00411"/>
  <sch:active pattern="ISM-ID-00412"/>
  <sch:active pattern="ISM-ID-00413"/>
  <sch:active pattern="ISM-ID-00418"/>
  <sch:active pattern="ISM-ID-00420"/>
  <sch:active pattern="ISM-ID-00434"/>
  <sch:active pattern="ISM-ID-00435"/>
  <sch:active pattern="ISM-ID-00436"/>
  <sch:active pattern="ISM-ID-00438"/>
  <sch:active pattern="ISM-ID-00440"/>
  <sch:active pattern="ISM-ID-00457"/>
  <sch:active pattern="ISM-ID-00509"/>
```

```
<sch:active pattern="ISM-ID-00409"/>
<sch:active pattern="ISM-ID-00410"/>
<sch:active pattern="ISM-ID-00493"/>
<sch:active pattern="ISM-ID-00402"/>
<sch:active pattern="ISM-ID-00432"/>
<sch:active pattern="ISM-ID-00427"/>
<sch:active pattern="ISM-ID-00477"/>
<sch:active pattern="ISM-ID-00508"/>
<sch:active pattern="ISM-ID-00407"/>
<sch:active pattern="ISM-ID-00429"/>
<sch:active pattern="ISM-ID-00489"/>
<sch:active pattern="ISM-ID-00490"/>
<sch:active pattern="ISM-ID-00430"/>
<sch:active pattern="ISM-ID-00431"/>
<sch:active pattern="ISM-ID-00155"/>
<sch:active pattern="ISM-ID-00158"/>
<sch:active pattern="ISM-ID-00162"/>
<sch:active pattern="ISM-ID-00227"/>
<sch:active pattern="ISM-ID-00238"/>
<sch:active pattern="ISM-ID-00028"/>
<sch:active pattern="ISM-ID-00030"/>
<sch:active pattern="ISM-ID-00033"/>
<sch:active pattern="ISM-ID-00037"/>
<sch:active pattern="ISM-ID-00038"/>
<sch:active pattern="ISM-ID-00040"/>
<sch:active pattern="ISM-ID-00043"/>
<sch:active pattern="ISM-ID-00044"/>
<sch:active pattern="ISM-ID-00045"/>
<sch:active pattern="ISM-ID-00047"/>
<sch:active pattern="ISM-ID-00048"/>
<sch:active pattern="ISM-ID-00049"/>
<sch:active pattern="ISM-ID-00056"/>
<sch:active pattern="ISM-ID-00058"/>
<sch:active pattern="ISM-ID-00059"/>
<sch:active pattern="ISM-ID-00066"/>
<sch:active pattern="ISM-ID-00067"/>
<sch:active pattern="ISM-ID-00068"/>
<sch:active pattern="ISM-ID-00070"/>
<sch:active pattern="ISM-ID-00071"/>
<sch:active pattern="ISM-ID-00072"/>
<sch:active pattern="ISM-ID-00073"/>
<sch:active pattern="ISM-ID-00074"/>
<sch:active pattern="ISM-ID-00075"/>
<sch:active pattern="ISM-ID-00077"/>
<sch:active pattern="ISM-ID-00078"/>
<sch:active pattern="ISM-ID-00079"/>
<sch:active pattern="ISM-ID-00080"/>
<sch:active pattern="ISM-ID-00081"/>
<sch:active pattern="ISM-ID-00084"/>
<sch:active pattern="ISM-ID-00085"/>
<sch:active pattern="ISM-ID-00086"/>
<sch:active pattern="ISM-ID-00087"/>
<sch:active pattern="ISM-ID-00088"/>
<sch:active pattern="ISM-ID-00090"/>
```

```
<sch:active pattern="ISM-ID-00097"/>
<sch:active pattern="ISM-ID-00099"/>
<sch:active pattern="ISM-ID-00104"/>
<sch:active pattern="ISM-ID-00105"/>
<sch:active pattern="ISM-ID-00107"/>
<sch:active pattern="ISM-ID-00108"/>
<sch:active pattern="ISM-ID-00109"/>
<sch:active pattern="ISM-ID-00110"/>
<sch:active pattern="ISM-ID-00124"/>
<sch:active pattern="ISM-ID-00127"/>
<sch:active pattern="ISM-ID-00128"/>
<sch:active pattern="ISM-ID-00129"/>
<sch:active pattern="ISM-ID-00130"/>
<sch:active pattern="ISM-ID-00132"/>
<sch:active pattern="ISM-ID-00134"/>
<sch:active pattern="ISM-ID-00135"/>
<sch:active pattern="ISM-ID-00136"/>
<sch:active pattern="ISM-ID-00138"/>
<sch:active pattern="ISM-ID-00139"/>
<sch:active pattern="ISM-ID-00145"/>
<sch:active pattern="ISM-ID-00146"/>
<sch:active pattern="ISM-ID-00147"/>
<sch:active pattern="ISM-ID-00148"/>
<sch:active pattern="ISM-ID-00149"/>
<sch:active pattern="ISM-ID-00150"/>
<sch:active pattern="ISM-ID-00151"/>
<sch:active pattern="ISM-ID-00152"/>
<sch:active pattern="ISM-ID-00153"/>
<sch:active pattern="ISM-ID-00154"/>
<sch:active pattern="ISM-ID-00159"/>
<sch:active pattern="ISM-ID-00164"/>
<sch:active pattern="ISM-ID-00165"/>
<sch:active pattern="ISM-ID-00166"/>
<sch:active pattern="ISM-ID-00169"/>
<sch:active pattern="ISM-ID-00170"/>
<sch:active pattern="ISM-ID-00173"/>
<sch:active pattern="ISM-ID-00174"/>
<sch:active pattern="ISM-ID-00175"/>
<sch:active pattern="ISM-ID-00179"/>
<sch:active pattern="ISM-ID-00180"/>
<sch:active pattern="ISM-ID-00181"/>
<sch:active pattern="ISM-ID-00183"/>
<sch:active pattern="ISM-ID-00184"/>
<sch:active pattern="ISM-ID-00188"/>
<sch:active pattern="ISM-ID-00189"/>
<sch:active pattern="ISM-ID-00190"/>
<sch:active pattern="ISM-ID-00191"/>
<sch:active pattern="ISM-ID-00192"/>
<sch:active pattern="ISM-ID-00193"/>
<sch:active pattern="ISM-ID-00196"/>
<sch:active pattern="ISM-ID-00197"/>
<sch:active pattern="ISM-ID-00198"/>
<sch:active pattern="ISM-ID-00199"/>
<sch:active pattern="ISM-ID-00200"/>
```

```
<sch:active pattern="ISM-ID-00201"/>
<sch:active pattern="ISM-ID-00202"/>
<sch:active pattern="ISM-ID-00203"/>
<sch:active pattern="ISM-ID-00204"/>
<sch:active pattern="ISM-ID-00205"/>
<sch:active pattern="ISM-ID-00206"/>
<sch:active pattern="ISM-ID-00207"/>
<sch:active pattern="ISM-ID-00208"/>
<sch:active pattern="ISM-ID-00209"/>
<sch:active pattern="ISM-ID-00210"/>
<sch:active pattern="ISM-ID-00211"/>
<sch:active pattern="ISM-ID-00214"/>
<sch:active pattern="ISM-ID-00217"/>
<sch:active pattern="ISM-ID-00219"/>
<sch:active pattern="ISM-ID-00223"/>
<sch:active pattern="ISM-ID-00228"/>
<sch:active pattern="ISM-ID-00229"/>
<sch:active pattern="ISM-ID-00230"/>
<sch:active pattern="ISM-ID-00231"/>
<sch:active pattern="ISM-ID-00242"/>
<sch:active pattern="ISM-ID-00243"/>
<sch:active pattern="ISM-ID-00244"/>
<sch:active pattern="ISM-ID-00245"/>
<sch:active pattern="ISM-ID-00246"/>
<sch:active pattern="ISM-ID-00252"/>
<sch:active pattern="ISM-ID-00253"/>
<sch:active pattern="ISM-ID-00254"/>
<sch:active pattern="ISM-ID-00255"/>
<sch:active pattern="ISM-ID-00256"/>
<sch:active pattern="ISM-ID-00257"/>
<sch:active pattern="ISM-ID-00258"/>
<sch:active pattern="ISM-ID-00259"/>
<sch:active pattern="ISM-ID-00260"/>
<sch:active pattern="ISM-ID-00261"/>
<sch:active pattern="ISM-ID-00262"/>
<sch:active pattern="ISM-ID-00263"/>
<sch:active pattern="ISM-ID-00264"/>
<sch:active pattern="ISM-ID-00265"/>
<sch:active pattern="ISM-ID-00266"/>
<sch:active pattern="ISM-ID-00267"/>
<sch:active pattern="ISM-ID-00298"/>
<sch:active pattern="ISM-ID-00302"/>
<sch:active pattern="ISM-ID-00303"/>
<sch:active pattern="ISM-ID-00313"/>
<sch:active pattern="ISM-ID-00314"/>
<sch:active pattern="ISM-ID-00315"/>
<sch:active pattern="ISM-ID-00316"/>
<sch:active pattern="ISM-ID-00317"/>
<sch:active pattern="ISM-ID-00318"/>
<sch:active pattern="ISM-ID-00319"/>
<sch:active pattern="ISM-ID-00320"/>
<sch:active pattern="ISM-ID-00321"/>
<sch:active pattern="ISM-ID-00325"/>
<sch:active pattern="ISM-ID-00327"/>
```

```
<sch:active pattern="ISM-ID-00330"/>
<sch:active pattern="ISM-ID-00332"/>
<sch:active pattern="ISM-ID-00335"/>
<sch:active pattern="ISM-ID-00336"/>
<sch:active pattern="ISM-ID-00341"/>
<sch:active pattern="ISM-ID-00343"/>
<sch:active pattern="ISM-ID-00344"/>
<sch:active pattern="ISM-ID-00345"/>
<sch:active pattern="ISM-ID-00346"/>
<sch:active pattern="ISM-ID-00347"/>
<sch:active pattern="ISM-ID-00348"/>
<sch:active pattern="ISM-ID-00352"/>
<sch:active pattern="ISM-ID-00353"/>
<sch:active pattern="ISM-ID-00354"/>
<sch:active pattern="ISM-ID-00355"/>
<sch:active pattern="ISM-ID-00356"/>
<sch:active pattern="ISM-ID-00357"/>
<sch:active pattern="ISM-ID-00362"/>
<sch:active pattern="ISM-ID-00363"/>
<sch:active pattern="ISM-ID-00364"/>
<sch:active pattern="ISM-ID-00368"/>
<sch:active pattern="ISM-ID-00369"/>
<sch:active pattern="ISM-ID-00370"/>
<sch:active pattern="ISM-ID-00371"/>
<sch:active pattern="ISM-ID-00372"/>
<sch:active pattern="ISM-ID-00373"/>
<sch:active pattern="ISM-ID-00374"/>
<sch:active pattern="ISM-ID-00384"/>
<sch:active pattern="ISM-ID-00386"/>
<sch:active pattern="ISM-ID-00387"/>
<sch:active pattern="ISM-ID-00388"/>
<sch:active pattern="ISM-ID-00389"/>
<sch:active pattern="ISM-ID-00391"/>
<sch:active pattern="ISM-ID-00392"/>
<sch:active pattern="ISM-ID-00393"/>
<sch:active pattern="ISM-ID-00394"/>
<sch:active pattern="ISM-ID-00396"/>
<sch:active pattern="ISM-ID-00397"/>
<sch:active pattern="ISM-ID-00398"/>
<sch:active pattern="ISM-ID-00441"/>
<sch:active pattern="ISM-ID-00442"/>
<sch:active pattern="ISM-ID-00443"/>
<sch:active pattern="ISM-ID-00444"/>
<sch:active pattern="ISM-ID-00459"/>
<sch:active pattern="ISM-ID-00460"/>
<sch:active pattern="ISM-ID-00461"/>
<sch:active pattern="ISM-ID-00462"/>
<sch:active pattern="ISM-ID-00473"/>
<sch:active pattern="ISM-ID-00487"/>
<sch:active pattern="ISM-ID-00488"/>
<sch:active pattern="ISM-ID-00491"/>
<sch:active pattern="ISM-ID-00492"/>
<sch:active pattern="ISM-ID-00496"/>
<sch:active pattern="ISM-ID-00498"/>
```

```
<sch:active pattern="ISM-ID-00500"/>
<sch:active pattern="ISM-ID-00501"/>
<sch:active pattern="ISM-ID-00502"/>
<sch:active pattern="ISM-ID-00503"/>
<sch:active pattern="ISM-ID-00504"/>
<sch:active pattern="ISM-ID-00505"/>
<sch:active pattern="ISM-ID-00506"/>
<sch:active pattern="ISM-ID-00507"/>
<sch:active pattern="ISM-ID-00514"/>
<sch:active pattern="ISM-ID-00515"/>
<sch:active pattern="ISM-ID-00517"/>
<sch:active pattern="ISM-ID-00521"/>
<sch:active pattern="ISM-ID-00522"/>
<sch:active pattern="ISM-ID-00523"/>
<sch:active pattern="ISM-ID-00524"/>
<sch:active pattern="ISM-ID-00525"/>
<sch:active pattern="ISM-ID-00526"/>
<sch:active pattern="ISM-ID-00528"/>
<sch:active pattern="ISM-ID-00530"/>
<sch:active pattern="ISM-ID-00532"/>
<sch:active pattern="ISM-ID-00463"/>
<sch:active pattern="ISM-ID-00464"/>
<sch:active pattern="ISM-ID-00465"/>
<sch:active pattern="ISM-ID-00466"/>
<sch:active pattern="ISM-ID-00467"/>
<sch:active pattern="ISM-ID-00468"/>
<sch:active pattern="ISM-ID-00469"/>
<sch:active pattern="ISM-ID-00470"/>
<sch:active pattern="ISM-ID-00471"/>
<sch:active pattern="ISM-ID-00472"/>
<sch:active pattern="ISM-ID-00474"/>
<sch:active pattern="ISM-ID-00475"/>
<sch:active pattern="ISM-ID-00478"/>
<sch:active pattern="ISM-ID-00479"/>
<sch:active pattern="ISM-ID-00480"/>
<sch:active pattern="ISM-ID-00481"/>
<sch:active pattern="ISM-ID-00482"/>
<sch:active pattern="ISM-ID-00483"/>
<sch:active pattern="ISM-ID-00119"/>
<sch:active pattern="ISM-ID-00225"/>
<sch:active pattern="ISM-ID-00251"/>
<sch:active pattern="ISM-ID-00381"/>
<sch:active pattern="ISM-ID-00382"/>
<sch:active pattern="ISM-ID-00383"/>
<sch:active pattern="ISM-ID-00451"/>
<sch:active pattern="ISM-ID-00453"/>
<sch:active pattern="ISM-ID-00002"/>
<sch:active pattern="ISM-ID-00103"/>
<sch:active pattern="ISM-ID-00125"/>
<sch:active pattern="ISM-ID-00163"/>
<sch:active pattern="ISM-ID-00194"/>
<sch:active pattern="ISM-ID-00195"/>
<sch:active pattern="ISM-ID-00236"/>
<sch:active pattern="ISM-ID-00248"/>
```

```
<sch:active pattern="ISM-ID-00300"/>
<sch:active pattern="ISM-ID-00323"/>
<sch:active pattern="ISM-ID-00338"/>
<sch:active pattern="ISM-ID-00339"/>
<sch:active pattern="ISM-ID-00358"/>
<sch:active pattern="ISM-ID-00359"/>
<sch:active pattern="ISM-ID-00360"/>
<sch:active pattern="ISM-ID-00376"/>
<sch:active pattern="ISM-ID-00377"/>
</sch:phase>
<!--(U) Phase: BANNER-->
```

```
<sch:phase id="BANNER">
```

```
<sch:active pattern="ISM-ID-00155"/>
<sch:active pattern="ISM-ID-00157"/>
<sch:active pattern="ISM-ID-00158"/>
<sch:active pattern="ISM-ID-00161"/>
<sch:active pattern="ISM-ID-00162"/>
<sch:active pattern="ISM-ID-00227"/>
<sch:active pattern="ISM-ID-00237"/>
<sch:active pattern="ISM-ID-00238"/>
<sch:active pattern="ISM-ID-00527"/>
<sch:active pattern="ISM-ID-00014"/>
<sch:active pattern="ISM-ID-00016"/>
<sch:active pattern="ISM-ID-00017"/>
<sch:active pattern="ISM-ID-00028"/>
<sch:active pattern="ISM-ID-00030"/>
<sch:active pattern="ISM-ID-00031"/>
<sch:active pattern="ISM-ID-00032"/>
<sch:active pattern="ISM-ID-00033"/>
<sch:active pattern="ISM-ID-00037"/>
<sch:active pattern="ISM-ID-00038"/>
<sch:active pattern="ISM-ID-00040"/>
<sch:active pattern="ISM-ID-00043"/>
<sch:active pattern="ISM-ID-00044"/>
<sch:active pattern="ISM-ID-00045"/>
<sch:active pattern="ISM-ID-00047"/>
<sch:active pattern="ISM-ID-00048"/>
<sch:active pattern="ISM-ID-00049"/>
<sch:active pattern="ISM-ID-00097"/>
<sch:active pattern="ISM-ID-00099"/>
<sch:active pattern="ISM-ID-00107"/>
<sch:active pattern="ISM-ID-00124"/>
<sch:active pattern="ISM-ID-00127"/>
<sch:active pattern="ISM-ID-00129"/>
<sch:active pattern="ISM-ID-00130"/>
<sch:active pattern="ISM-ID-00133"/>
<sch:active pattern="ISM-ID-00134"/>
<sch:active pattern="ISM-ID-00141"/>
<sch:active pattern="ISM-ID-00142"/>
<sch:active pattern="ISM-ID-00143"/>
<sch:active pattern="ISM-ID-00148"/>
<sch:active pattern="ISM-ID-00152"/>
<sch:active pattern="ISM-ID-00159"/>
```

```
<sch:active pattern="ISM-ID-00164"/>
<sch:active pattern="ISM-ID-00166"/>
<sch:active pattern="ISM-ID-00168"/>
<sch:active pattern="ISM-ID-00169"/>
<sch:active pattern="ISM-ID-00170"/>
<sch:active pattern="ISM-ID-00173"/>
<sch:active pattern="ISM-ID-00174"/>
<sch:active pattern="ISM-ID-00175"/>
<sch:active pattern="ISM-ID-00176"/>
<sch:active pattern="ISM-ID-00179"/>
<sch:active pattern="ISM-ID-00180"/>
<sch:active pattern="ISM-ID-00181"/>
<sch:active pattern="ISM-ID-00183"/>
<sch:active pattern="ISM-ID-00184"/>
<sch:active pattern="ISM-ID-00188"/>
<sch:active pattern="ISM-ID-00189"/>
<sch:active pattern="ISM-ID-00190"/>
<sch:active pattern="ISM-ID-00191"/>
<sch:active pattern="ISM-ID-00192"/>
<sch:active pattern="ISM-ID-00193"/>
<sch:active pattern="ISM-ID-00196"/>
<sch:active pattern="ISM-ID-00197"/>
<sch:active pattern="ISM-ID-00198"/>
<sch:active pattern="ISM-ID-00199"/>
<sch:active pattern="ISM-ID-00200"/>
<sch:active pattern="ISM-ID-00201"/>
<sch:active pattern="ISM-ID-00202"/>
<sch:active pattern="ISM-ID-00203"/>
<sch:active pattern="ISM-ID-00204"/>
<sch:active pattern="ISM-ID-00205"/>
<sch:active pattern="ISM-ID-00206"/>
<sch:active pattern="ISM-ID-00207"/>
<sch:active pattern="ISM-ID-00208"/>
<sch:active pattern="ISM-ID-00209"/>
<sch:active pattern="ISM-ID-00210"/>
<sch:active pattern="ISM-ID-00211"/>
<sch:active pattern="ISM-ID-00213"/>
<sch:active pattern="ISM-ID-00214"/>
<sch:active pattern="ISM-ID-00217"/>
<sch:active pattern="ISM-ID-00221"/>
<sch:active pattern="ISM-ID-00223"/>
<sch:active pattern="ISM-ID-00226"/>
<sch:active pattern="ISM-ID-00242"/>
<sch:active pattern="ISM-ID-00243"/>
<sch:active pattern="ISM-ID-00246"/>
<sch:active pattern="ISM-ID-00250"/>
<sch:active pattern="ISM-ID-00253"/>
<sch:active pattern="ISM-ID-00254"/>
<sch:active pattern="ISM-ID-00255"/>
<sch:active pattern="ISM-ID-00256"/>
<sch:active pattern="ISM-ID-00257"/>
<sch:active pattern="ISM-ID-00258"/>
<sch:active pattern="ISM-ID-00259"/>
<sch:active pattern="ISM-ID-00260"/>
```

```
<sch:active pattern="ISM-ID-00261"/>
<sch:active pattern="ISM-ID-00262"/>
<sch:active pattern="ISM-ID-00263"/>
<sch:active pattern="ISM-ID-00264"/>
<sch:active pattern="ISM-ID-00265"/>
<sch:active pattern="ISM-ID-00268"/>
<sch:active pattern="ISM-ID-00269"/>
<sch:active pattern="ISM-ID-00270"/>
<sch:active pattern="ISM-ID-00271"/>
<sch:active pattern="ISM-ID-00272"/>
<sch:active pattern="ISM-ID-00273"/>
<sch:active pattern="ISM-ID-00274"/>
<sch:active pattern="ISM-ID-00275"/>
<sch:active pattern="ISM-ID-00276"/>
<sch:active pattern="ISM-ID-00277"/>
<sch:active pattern="ISM-ID-00278"/>
<sch:active pattern="ISM-ID-00279"/>
<sch:active pattern="ISM-ID-00280"/>
<sch:active pattern="ISM-ID-00281"/>
<sch:active pattern="ISM-ID-00283"/>
<sch:active pattern="ISM-ID-00284"/>
<sch:active pattern="ISM-ID-00285"/>
<sch:active pattern="ISM-ID-00286"/>
<sch:active pattern="ISM-ID-00287"/>
<sch:active pattern="ISM-ID-00288"/>
<sch:active pattern="ISM-ID-00289"/>
<sch:active pattern="ISM-ID-00290"/>
<sch:active pattern="ISM-ID-00291"/>
<sch:active pattern="ISM-ID-00292"/>
<sch:active pattern="ISM-ID-00293"/>
<sch:active pattern="ISM-ID-00294"/>
<sch:active pattern="ISM-ID-00295"/>
<sch:active pattern="ISM-ID-00296"/>
<sch:active pattern="ISM-ID-00297"/>
<sch:active pattern="ISM-ID-00299"/>
<sch:active pattern="ISM-ID-00302"/>
<sch:active pattern="ISM-ID-00313"/>
<sch:active pattern="ISM-ID-00314"/>
<sch:active pattern="ISM-ID-00316"/>
<sch:active pattern="ISM-ID-00319"/>
<sch:active pattern="ISM-ID-00321"/>
<sch:active pattern="ISM-ID-00325"/>
<sch:active pattern="ISM-ID-00326"/>
<sch:active pattern="ISM-ID-00327"/>
<sch:active pattern="ISM-ID-00328"/>
<sch:active pattern="ISM-ID-00330"/>
<sch:active pattern="ISM-ID-00332"/>
<sch:active pattern="ISM-ID-00335"/>
<sch:active pattern="ISM-ID-00336"/>
<sch:active pattern="ISM-ID-00341"/>
<sch:active pattern="ISM-ID-00345"/>
<sch:active pattern="ISM-ID-00346"/>
<sch:active pattern="ISM-ID-00349"/>
<sch:active pattern="ISM-ID-00350"/>
```

```
<sch:active pattern="ISM-ID-00351"/>
<sch:active pattern="ISM-ID-00352"/>
<sch:active pattern="ISM-ID-00353"/>
<sch:active pattern="ISM-ID-00354"/>
<sch:active pattern="ISM-ID-00355"/>
<sch:active pattern="ISM-ID-00356"/>
<sch:active pattern="ISM-ID-00361"/>
<sch:active pattern="ISM-ID-00362"/>
<sch:active pattern="ISM-ID-00363"/>
<sch:active pattern="ISM-ID-00364"/>
<sch:active pattern="ISM-ID-00365"/>
<sch:active pattern="ISM-ID-00367"/>
<sch:active pattern="ISM-ID-00368"/>
<sch:active pattern="ISM-ID-00369"/>
<sch:active pattern="ISM-ID-00370"/>
<sch:active pattern="ISM-ID-00371"/>
<sch:active pattern="ISM-ID-00372"/>
<sch:active pattern="ISM-ID-00379"/>
<sch:active pattern="ISM-ID-00380"/>
<sch:active pattern="ISM-ID-00384"/>
<sch:active pattern="ISM-ID-00385"/>
<sch:active pattern="ISM-ID-00386"/>
<sch:active pattern="ISM-ID-00387"/>
<sch:active pattern="ISM-ID-00388"/>
<sch:active pattern="ISM-ID-00391"/>
<sch:active pattern="ISM-ID-00393"/>
<sch:active pattern="ISM-ID-00396"/>
<sch:active pattern="ISM-ID-00397"/>
<sch:active pattern="ISM-ID-00398"/>
<sch:active pattern="ISM-ID-00459"/>
<sch:active pattern="ISM-ID-00460"/>
<sch:active pattern="ISM-ID-00473"/>
<sch:active pattern="ISM-ID-00487"/>
<sch:active pattern="ISM-ID-00491"/>
<sch:active pattern="ISM-ID-00494"/>
<sch:active pattern="ISM-ID-00495"/>
<sch:active pattern="ISM-ID-00496"/>
<sch:active pattern="ISM-ID-00497"/>
<sch:active pattern="ISM-ID-00498"/>
<sch:active pattern="ISM-ID-00499"/>
<sch:active pattern="ISM-ID-00500"/>
<sch:active pattern="ISM-ID-00501"/>
<sch:active pattern="ISM-ID-00505"/>
<sch:active pattern="ISM-ID-00506"/>
<sch:active pattern="ISM-ID-00507"/>
<sch:active pattern="ISM-ID-00512"/>
<sch:active pattern="ISM-ID-00513"/>
<sch:active pattern="ISM-ID-00514"/>
<sch:active pattern="ISM-ID-00515"/>
<sch:active pattern="ISM-ID-00516"/>
<sch:active pattern="ISM-ID-00517"/>
<sch:active pattern="ISM-ID-00522"/>
<sch:active pattern="ISM-ID-00523"/>
<sch:active pattern="ISM-ID-00524"/>
```

```
<sch:active pattern="ISM-ID-00525"/>
<sch:active pattern="ISM-ID-00526"/>
<sch:active pattern="ISM-ID-00528"/>
<sch:active pattern="ISM-ID-00529"/>
<sch:active pattern="ISM-ID-00531"/>
<sch:active pattern="ISM-ID-00532"/>
<sch:active pattern="ISM-ID-00533"/>
<sch:active pattern="ISM-ID-00534"/>
<sch:active pattern="ISM-ID-00535"/>
<sch:active pattern="ISM-ID-00463"/>
<sch:active pattern="ISM-ID-00464"/>
<sch:active pattern="ISM-ID-00465"/>
<sch:active pattern="ISM-ID-00466"/>
<sch:active pattern="ISM-ID-00467"/>
<sch:active pattern="ISM-ID-00468"/>
<sch:active pattern="ISM-ID-00469"/>
<sch:active pattern="ISM-ID-00470"/>
<sch:active pattern="ISM-ID-00471"/>
<sch:active pattern="ISM-ID-00472"/>
<sch:active pattern="ISM-ID-00474"/>
<sch:active pattern="ISM-ID-00476"/>
<sch:active pattern="ISM-ID-00478"/>
<sch:active pattern="ISM-ID-00479"/>
<sch:active pattern="ISM-ID-00480"/>
<sch:active pattern="ISM-ID-00481"/>
<sch:active pattern="ISM-ID-00482"/>
<sch:active pattern="ISM-ID-00483"/>
<sch:active pattern="ISM-ID-00484"/>
<sch:active pattern="ISM-ID-00485"/>
<sch:active pattern="ISM-ID-00486"/>
<sch:active pattern="ISM-ID-00381"/>
<sch:active pattern="ISM-ID-00382"/>
<sch:active pattern="ISM-ID-00383"/>
<sch:active pattern="ISM-ID-00453"/>
<sch:active pattern="ISM-ID-00118"/>
<sch:active pattern="ISM-ID-00194"/>
<sch:active pattern="ISM-ID-00195"/>
<sch:active pattern="ISM-ID-00248"/>
<sch:active pattern="ISM-ID-00337"/>
<sch:active pattern="ISM-ID-00339"/>
<sch:active pattern="ISM-ID-00358"/>
<sch:active pattern="ISM-ID-00359"/>
<sch:active pattern="ISM-ID-00360"/>
<sch:active pattern="ISM-ID-00377"/>
```

```
</sch:phase>
```

```
<!--(U) Phase: PORTION-->
```

```
<sch:phase id="PORTION">
```

```
<sch:active pattern="ISM-ID-00157"/>
<sch:active pattern="ISM-ID-00161"/>
<sch:active pattern="ISM-ID-00237"/>
<sch:active pattern="ISM-ID-00238"/>
<sch:active pattern="ISM-ID-00016"/>
<sch:active pattern="ISM-ID-00017"/>
```

```
<sch:active pattern="ISM-ID-00028"/>
<sch:active pattern="ISM-ID-00030"/>
<sch:active pattern="ISM-ID-00031"/>
<sch:active pattern="ISM-ID-00032"/>
<sch:active pattern="ISM-ID-00033"/>
<sch:active pattern="ISM-ID-00038"/>
<sch:active pattern="ISM-ID-00040"/>
<sch:active pattern="ISM-ID-00043"/>
<sch:active pattern="ISM-ID-00044"/>
<sch:active pattern="ISM-ID-00045"/>
<sch:active pattern="ISM-ID-00047"/>
<sch:active pattern="ISM-ID-00048"/>
<sch:active pattern="ISM-ID-00049"/>
<sch:active pattern="ISM-ID-00097"/>
<sch:active pattern="ISM-ID-00099"/>
<sch:active pattern="ISM-ID-00107"/>
<sch:active pattern="ISM-ID-00124"/>
<sch:active pattern="ISM-ID-00127"/>
<sch:active pattern="ISM-ID-00128"/>
<sch:active pattern="ISM-ID-00129"/>
<sch:active pattern="ISM-ID-00130"/>
<sch:active pattern="ISM-ID-00133"/>
<sch:active pattern="ISM-ID-00134"/>
<sch:active pattern="ISM-ID-00135"/>
<sch:active pattern="ISM-ID-00136"/>
<sch:active pattern="ISM-ID-00138"/>
<sch:active pattern="ISM-ID-00139"/>
<sch:active pattern="ISM-ID-00143"/>
<sch:active pattern="ISM-ID-00148"/>
<sch:active pattern="ISM-ID-00150"/>
<sch:active pattern="ISM-ID-00151"/>
<sch:active pattern="ISM-ID-00152"/>
<sch:active pattern="ISM-ID-00153"/>
<sch:active pattern="ISM-ID-00159"/>
<sch:active pattern="ISM-ID-00164"/>
<sch:active pattern="ISM-ID-00166"/>
<sch:active pattern="ISM-ID-00168"/>
<sch:active pattern="ISM-ID-00169"/>
<sch:active pattern="ISM-ID-00170"/>
<sch:active pattern="ISM-ID-00173"/>
<sch:active pattern="ISM-ID-00174"/>
<sch:active pattern="ISM-ID-00175"/>
<sch:active pattern="ISM-ID-00179"/>
<sch:active pattern="ISM-ID-00180"/>
<sch:active pattern="ISM-ID-00181"/>
<sch:active pattern="ISM-ID-00183"/>
<sch:active pattern="ISM-ID-00184"/>
<sch:active pattern="ISM-ID-00185"/>
<sch:active pattern="ISM-ID-00188"/>
<sch:active pattern="ISM-ID-00189"/>
<sch:active pattern="ISM-ID-00190"/>
<sch:active pattern="ISM-ID-00191"/>
<sch:active pattern="ISM-ID-00192"/>
<sch:active pattern="ISM-ID-00193"/>
```

```
<sch:active pattern="ISM-ID-00196"/>
<sch:active pattern="ISM-ID-00197"/>
<sch:active pattern="ISM-ID-00198"/>
<sch:active pattern="ISM-ID-00199"/>
<sch:active pattern="ISM-ID-00200"/>
<sch:active pattern="ISM-ID-00201"/>
<sch:active pattern="ISM-ID-00202"/>
<sch:active pattern="ISM-ID-00203"/>
<sch:active pattern="ISM-ID-00204"/>
<sch:active pattern="ISM-ID-00205"/>
<sch:active pattern="ISM-ID-00206"/>
<sch:active pattern="ISM-ID-00207"/>
<sch:active pattern="ISM-ID-00208"/>
<sch:active pattern="ISM-ID-00209"/>
<sch:active pattern="ISM-ID-00210"/>
<sch:active pattern="ISM-ID-00211"/>
<sch:active pattern="ISM-ID-00213"/>
<sch:active pattern="ISM-ID-00214"/>
<sch:active pattern="ISM-ID-00217"/>
<sch:active pattern="ISM-ID-00221"/>
<sch:active pattern="ISM-ID-00223"/>
<sch:active pattern="ISM-ID-00226"/>
<sch:active pattern="ISM-ID-00242"/>
<sch:active pattern="ISM-ID-00243"/>
<sch:active pattern="ISM-ID-00244"/>
<sch:active pattern="ISM-ID-00245"/>
<sch:active pattern="ISM-ID-00250"/>
<sch:active pattern="ISM-ID-00253"/>
<sch:active pattern="ISM-ID-00254"/>
<sch:active pattern="ISM-ID-00255"/>
<sch:active pattern="ISM-ID-00256"/>
<sch:active pattern="ISM-ID-00257"/>
<sch:active pattern="ISM-ID-00258"/>
<sch:active pattern="ISM-ID-00259"/>
<sch:active pattern="ISM-ID-00260"/>
<sch:active pattern="ISM-ID-00261"/>
<sch:active pattern="ISM-ID-00262"/>
<sch:active pattern="ISM-ID-00263"/>
<sch:active pattern="ISM-ID-00264"/>
<sch:active pattern="ISM-ID-00265"/>
<sch:active pattern="ISM-ID-00266"/>
<sch:active pattern="ISM-ID-00267"/>
<sch:active pattern="ISM-ID-00268"/>
<sch:active pattern="ISM-ID-00269"/>
<sch:active pattern="ISM-ID-00270"/>
<sch:active pattern="ISM-ID-00271"/>
<sch:active pattern="ISM-ID-00275"/>
<sch:active pattern="ISM-ID-00276"/>
<sch:active pattern="ISM-ID-00277"/>
<sch:active pattern="ISM-ID-00278"/>
<sch:active pattern="ISM-ID-00279"/>
<sch:active pattern="ISM-ID-00280"/>
<sch:active pattern="ISM-ID-00281"/>
<sch:active pattern="ISM-ID-00283"/>
```

```
<sch:active pattern="ISM-ID-00284"/>
<sch:active pattern="ISM-ID-00285"/>
<sch:active pattern="ISM-ID-00286"/>
<sch:active pattern="ISM-ID-00287"/>
<sch:active pattern="ISM-ID-00288"/>
<sch:active pattern="ISM-ID-00289"/>
<sch:active pattern="ISM-ID-00290"/>
<sch:active pattern="ISM-ID-00291"/>
<sch:active pattern="ISM-ID-00292"/>
<sch:active pattern="ISM-ID-00293"/>
<sch:active pattern="ISM-ID-00295"/>
<sch:active pattern="ISM-ID-00296"/>
<sch:active pattern="ISM-ID-00297"/>
<sch:active pattern="ISM-ID-00299"/>
<sch:active pattern="ISM-ID-00302"/>
<sch:active pattern="ISM-ID-00313"/>
<sch:active pattern="ISM-ID-00314"/>
<sch:active pattern="ISM-ID-00319"/>
<sch:active pattern="ISM-ID-00321"/>
<sch:active pattern="ISM-ID-00325"/>
<sch:active pattern="ISM-ID-00327"/>
<sch:active pattern="ISM-ID-00328"/>
<sch:active pattern="ISM-ID-00330"/>
<sch:active pattern="ISM-ID-00332"/>
<sch:active pattern="ISM-ID-00335"/>
<sch:active pattern="ISM-ID-00336"/>
<sch:active pattern="ISM-ID-00341"/>
<sch:active pattern="ISM-ID-00345"/>
<sch:active pattern="ISM-ID-00346"/>
<sch:active pattern="ISM-ID-00352"/>
<sch:active pattern="ISM-ID-00353"/>
<sch:active pattern="ISM-ID-00354"/>
<sch:active pattern="ISM-ID-00355"/>
<sch:active pattern="ISM-ID-00356"/>
<sch:active pattern="ISM-ID-00357"/>
<sch:active pattern="ISM-ID-00361"/>
<sch:active pattern="ISM-ID-00362"/>
<sch:active pattern="ISM-ID-00363"/>
<sch:active pattern="ISM-ID-00368"/>
<sch:active pattern="ISM-ID-00369"/>
<sch:active pattern="ISM-ID-00370"/>
<sch:active pattern="ISM-ID-00371"/>
<sch:active pattern="ISM-ID-00372"/>
<sch:active pattern="ISM-ID-00379"/>
<sch:active pattern="ISM-ID-00380"/>
<sch:active pattern="ISM-ID-00384"/>
<sch:active pattern="ISM-ID-00385"/>
<sch:active pattern="ISM-ID-00386"/>
<sch:active pattern="ISM-ID-00387"/>
<sch:active pattern="ISM-ID-00388"/>
<sch:active pattern="ISM-ID-00391"/>
<sch:active pattern="ISM-ID-00392"/>
<sch:active pattern="ISM-ID-00393"/>
<sch:active pattern="ISM-ID-00396"/>
```

```
<sch:active pattern="ISM-ID-00397"/>
<sch:active pattern="ISM-ID-00398"/>
<sch:active pattern="ISM-ID-00441"/>
<sch:active pattern="ISM-ID-00442"/>
<sch:active pattern="ISM-ID-00443"/>
<sch:active pattern="ISM-ID-00444"/>
<sch:active pattern="ISM-ID-00459"/>
<sch:active pattern="ISM-ID-00462"/>
<sch:active pattern="ISM-ID-00473"/>
<sch:active pattern="ISM-ID-00487"/>
<sch:active pattern="ISM-ID-00488"/>
<sch:active pattern="ISM-ID-00491"/>
<sch:active pattern="ISM-ID-00492"/>
<sch:active pattern="ISM-ID-00495"/>
<sch:active pattern="ISM-ID-00505"/>
<sch:active pattern="ISM-ID-00506"/>
<sch:active pattern="ISM-ID-00507"/>
<sch:active pattern="ISM-ID-00518"/>
<sch:active pattern="ISM-ID-00519"/>
<sch:active pattern="ISM-ID-00522"/>
<sch:active pattern="ISM-ID-00523"/>
<sch:active pattern="ISM-ID-00524"/>
<sch:active pattern="ISM-ID-00525"/>
<sch:active pattern="ISM-ID-00526"/>
<sch:active pattern="ISM-ID-00532"/>
<sch:active pattern="ISM-ID-00535"/>
<sch:active pattern="ISM-ID-00463"/>
<sch:active pattern="ISM-ID-00464"/>
<sch:active pattern="ISM-ID-00465"/>
<sch:active pattern="ISM-ID-00466"/>
<sch:active pattern="ISM-ID-00467"/>
<sch:active pattern="ISM-ID-00468"/>
<sch:active pattern="ISM-ID-00469"/>
<sch:active pattern="ISM-ID-00470"/>
<sch:active pattern="ISM-ID-00471"/>
<sch:active pattern="ISM-ID-00472"/>
<sch:active pattern="ISM-ID-00474"/>
<sch:active pattern="ISM-ID-00476"/>
<sch:active pattern="ISM-ID-00480"/>
<sch:active pattern="ISM-ID-00481"/>
<sch:active pattern="ISM-ID-00482"/>
<sch:active pattern="ISM-ID-00483"/>
<sch:active pattern="ISM-ID-00484"/>
<sch:active pattern="ISM-ID-00485"/>
<sch:active pattern="ISM-ID-00119"/>
<sch:active pattern="ISM-ID-00225"/>
<sch:active pattern="ISM-ID-00251"/>
<sch:active pattern="ISM-ID-00382"/>
<sch:active pattern="ISM-ID-00383"/>
<sch:active pattern="ISM-ID-00453"/>
<sch:active pattern="ISM-ID-00511"/>
<sch:active pattern="ISM-ID-00002"/>
<sch:active pattern="ISM-ID-00012"/>
<sch:active pattern="ISM-ID-00102"/>
```

```
<sch:active pattern="ISM-ID-00103"/>
<sch:active pattern="ISM-ID-00163"/>
<sch:active pattern="ISM-ID-00194"/>
<sch:active pattern="ISM-ID-00195"/>
<sch:active pattern="ISM-ID-00376"/>
<sch:active pattern="ISM-ID-00377"/>
</sch:phase>
<!--(U) Phase: ROLLDOWN-->
<sch:phase id="ROLLDOWN">
  <sch:active pattern="ISM-ID-00239"/>
  <sch:active pattern="ISM-ID-00240"/>
  <sch:active pattern="ISM-ID-00056"/>
  <sch:active pattern="ISM-ID-00058"/>
  <sch:active pattern="ISM-ID-00059"/>
  <sch:active pattern="ISM-ID-00108"/>
  <sch:active pattern="ISM-ID-00109"/>
  <sch:active pattern="ISM-ID-00110"/>
  <sch:active pattern="ISM-ID-00128"/>
  <sch:active pattern="ISM-ID-00132"/>
  <sch:active pattern="ISM-ID-00154"/>
  <sch:active pattern="ISM-ID-00219"/>
  <sch:active pattern="ISM-ID-00228"/>
  <sch:active pattern="ISM-ID-00229"/>
  <sch:active pattern="ISM-ID-00230"/>
  <sch:active pattern="ISM-ID-00231"/>
  <sch:active pattern="ISM-ID-00252"/>
  <sch:active pattern="ISM-ID-00303"/>
  <sch:active pattern="ISM-ID-00316"/>
  <sch:active pattern="ISM-ID-00317"/>
  <sch:active pattern="ISM-ID-00324"/>
  <sch:active pattern="ISM-ID-00344"/>
  <sch:active pattern="ISM-ID-00348"/>
  <sch:active pattern="ISM-ID-00374"/>
  <sch:active pattern="ISM-ID-00394"/>
  <sch:active pattern="ISM-ID-00504"/>
  <sch:active pattern="ISM-ID-00475"/>
</sch:phase>
<!--(U) Phase: ROLLUP-->
<sch:phase id="ROLLUP">
  <sch:active pattern="ISM-ID-00064"/>
  <sch:active pattern="ISM-ID-00065"/>
  <sch:active pattern="ISM-ID-00066"/>
  <sch:active pattern="ISM-ID-00067"/>
  <sch:active pattern="ISM-ID-00068"/>
  <sch:active pattern="ISM-ID-00070"/>
  <sch:active pattern="ISM-ID-00071"/>
  <sch:active pattern="ISM-ID-00072"/>
  <sch:active pattern="ISM-ID-00073"/>
  <sch:active pattern="ISM-ID-00074"/>
  <sch:active pattern="ISM-ID-00075"/>
  <sch:active pattern="ISM-ID-00077"/>
  <sch:active pattern="ISM-ID-00078"/>
</sch:phase>
```

```
<sch:active pattern="ISM-ID-00079"/>
<sch:active pattern="ISM-ID-00080"/>
<sch:active pattern="ISM-ID-00081"/>
<sch:active pattern="ISM-ID-00084"/>
<sch:active pattern="ISM-ID-00085"/>
<sch:active pattern="ISM-ID-00086"/>
<sch:active pattern="ISM-ID-00087"/>
<sch:active pattern="ISM-ID-00088"/>
<sch:active pattern="ISM-ID-00090"/>
<sch:active pattern="ISM-ID-00104"/>
<sch:active pattern="ISM-ID-00105"/>
<sch:active pattern="ISM-ID-00145"/>
<sch:active pattern="ISM-ID-00146"/>
<sch:active pattern="ISM-ID-00147"/>
<sch:active pattern="ISM-ID-00149"/>
<sch:active pattern="ISM-ID-00165"/>
<sch:active pattern="ISM-ID-00176"/>
<sch:active pattern="ISM-ID-00261"/>
<sch:active pattern="ISM-ID-00266"/>
<sch:active pattern="ISM-ID-00267"/>
<sch:active pattern="ISM-ID-00298"/>
<sch:active pattern="ISM-ID-00315"/>
<sch:active pattern="ISM-ID-00318"/>
<sch:active pattern="ISM-ID-00320"/>
<sch:active pattern="ISM-ID-00343"/>
<sch:active pattern="ISM-ID-00347"/>
<sch:active pattern="ISM-ID-00373"/>
<sch:active pattern="ISM-ID-00389"/>
<sch:active pattern="ISM-ID-00461"/>
<sch:active pattern="ISM-ID-00502"/>
<sch:active pattern="ISM-ID-00503"/>
<sch:active pattern="ISM-ID-00521"/>
<sch:active pattern="ISM-ID-00528"/>
</sch:phase>
<!--(U) Phase: TYPECHECK-->
```

```
<sch:phase id="TYPECHECK">
```

```
<sch:active pattern="ISM-ID-00268"/>
<sch:active pattern="ISM-ID-00269"/>
<sch:active pattern="ISM-ID-00270"/>
<sch:active pattern="ISM-ID-00271"/>
<sch:active pattern="ISM-ID-00272"/>
<sch:active pattern="ISM-ID-00273"/>
<sch:active pattern="ISM-ID-00274"/>
<sch:active pattern="ISM-ID-00275"/>
<sch:active pattern="ISM-ID-00276"/>
<sch:active pattern="ISM-ID-00277"/>
<sch:active pattern="ISM-ID-00278"/>
<sch:active pattern="ISM-ID-00279"/>
<sch:active pattern="ISM-ID-00280"/>
<sch:active pattern="ISM-ID-00281"/>
<sch:active pattern="ISM-ID-00283"/>
<sch:active pattern="ISM-ID-00284"/>
<sch:active pattern="ISM-ID-00285"/>
```

```
<sch:active pattern="ISM-ID-00286"/>
<sch:active pattern="ISM-ID-00287"/>
<sch:active pattern="ISM-ID-00288"/>
<sch:active pattern="ISM-ID-00289"/>
<sch:active pattern="ISM-ID-00290"/>
<sch:active pattern="ISM-ID-00291"/>
<sch:active pattern="ISM-ID-00292"/>
<sch:active pattern="ISM-ID-00293"/>
<sch:active pattern="ISM-ID-00294"/>
<sch:active pattern="ISM-ID-00295"/>
<sch:active pattern="ISM-ID-00296"/>
<sch:active pattern="ISM-ID-00297"/>
<sch:active pattern="ISM-ID-00361"/>
<sch:active pattern="ISM-ID-00365"/>
<sch:active pattern="ISM-ID-00379"/>
<sch:active pattern="ISM-ID-00380"/>
<sch:active pattern="ISM-ID-00516"/>
<sch:active pattern="ISM-ID-00484"/>
<sch:active pattern="ISM-ID-00485"/>
<sch:active pattern="ISM-ID-00378"/>
<sch:active pattern="ISM-ID-00340"/>
</sch:phase>
<!--(U) Phase: INFRASTRUCTURE-->
<sch:phase id="INFRASTRUCTURE">
  <sch:active pattern="ISM-ID-00445"/>
  <sch:active pattern="ISM-ID-00446"/>
  <sch:active pattern="ISM-ID-00447"/>
  <sch:active pattern="ISM-ID-00448"/>
  <sch:active pattern="ISM-ID-00520"/>
  <sch:active pattern="ISM-ID-00375"/>
</sch:phase>
</sch:schema>
<!--UNCLASSIFIED-->
```

## Chapter 14 - Removed Rules

All of the numbered Rules for ISM that have been removed are listed in this section. This section is just a reference for what rule numbers have been dropped. In many but not all cases there will be a reason listed. In all cases the version that the rule was dropped in is listed.

### 14.1 - `./Rules/deleted/ISM_ID_00001.sch`

#### Rule Description

[ISM-ID-00001][Error] Rule removed in V8. Covered by rule 2.

### 14.2 - `./Rules/deleted/ISM_ID_00003.sch`

#### Rule Description

[ISM-ID-00003][Error] Rule removed in V5.

### 14.3 - `./Rules/deleted/ISM_ID_00004.sch`

#### Rule Description

[ISM-ID-00004][Error] Rule removed in V5.

### 14.4 - `./Rules/deleted/ISM_ID_00005.sch`

#### Rule Description

[ISM-ID-00005][Error] Rule removed in V2. Replaced by ISM\_ID\_00024.

### 14.5 - `./Rules/deleted/ISM_ID_00006.sch`

#### Rule Description

[ISM-ID-00006][Error] Rule removed in V2. Replaced by ISM\_ID\_00025.

### 14.6 - `./Rules/deleted/ISM_ID_00007.sch`

#### Rule Description

[ISM-ID-00007][Error] Rule removed in V5.

### 14.7 - `./Rules/deleted/ISM_ID_00008.sch`

#### Rule Description

[ISM-ID-00008][Error] Rule removed in V2. Replaced by ISM\_ID\_00039.

**14.8 - ../Rules/deleted/ISM\_ID\_00009.sch****Rule Description**

[ISM-ID-00009][Error] Rule removed in V5.

**14.9 - ../Rules/deleted/ISM\_ID\_00010.sch****Rule Description**

[ISM-ID-00010][Error] Rule removed in V5.

**14.10 - ../Rules/deleted/ISM\_ID\_00011.sch****Rule Description**

[ISM-ID-00011][Error] Rule removed in V5.

**14.11 - ../Rules/deleted/ISM\_ID\_00013.sch****Rule Description**

[ISM-ID-00013][Error] Rule removed in 2016-SEP.

**14.12 - ../Rules/deleted/ISM\_ID\_00015.sch****Rule Description**

[ISM-ID-00015][Error] Rule removed in V8. Values moved to rule 16.

**14.13 - ../Rules/deleted/ISM\_ID\_00018.sch****Rule Description**

[ISM-ID-00018][Error] Rule removed in V5.

**14.14 - ../Rules/deleted/ISM\_ID\_00019.sch****Rule Description**

[ISM-ID-00019][Error] Rule removed in V5.

**14.15 - ../Rules/deleted/ISM\_ID\_00020.sch****Rule Description**

[ISM-ID-00020][Error] Rule removed in V5.

**14.16 - ../Rules/deleted/ISM\_ID\_00021.sch****Rule Description**

[ISM-ID-00021][Error] Rule removed in V5.

**14.17 - ../Rules/deleted/ISM\_ID\_00022.sch****Rule Description**

[ISM-ID-00022][Error] Rule removed in V3.

**14.18 - ../Rules/deleted/ISM\_ID\_00023.sch****Rule Description**

[ISM-ID-00023][Error] Rule removed in V4.

**14.19 - ../Rules/deleted/ISM\_ID\_00024.sch****Rule Description**

[ISM-ID-00024][Error] Rule removed in V5.

**14.20 - ../Rules/deleted/ISM\_ID\_00025.sch****Rule Description**

[ISM-ID-00025][Error] Rule removed in V5.

**14.21 - ../Rules/deleted/ISM\_ID\_00026.sch****Rule Description**

[ISM-ID-00026][Error] Rule removed in 2021-NOV due to XSLT sorting.

**14.22 - ../Rules/deleted/ISM\_ID\_00027.sch****Rule Description**

[ISM-ID-00027][Error] Rule removed in V5.

**14.23 - ../Rules/deleted/ISM\_ID\_00029.sch****Rule Description**

[ISM-ID-00029][Error] Rule removed in V5.

**14.24 - ../Rules/deleted/ISM\_ID\_00034.sch****Rule Description**

[ISM-ID-00034][Error] Rule removed in V8. Covered by rule 169.

**14.25 - ../Rules/deleted/ISM\_ID\_00035.sch****Rule Description**

[ISM-ID-00035][Error] Rule removed in 2021-NOV due to XSLT sorting.

**14.26 - ../Rules/deleted/ISM\_ID\_00036.sch****Rule Description**

[ISM-ID-00036][Error] Rule removed in V8.

**14.27 - ../Rules/deleted/ISM\_ID\_00039.sch****Rule Description**

[ISM-ID-00039][Error] Rule removed in V5.

**14.28 - ../Rules/deleted/ISM\_ID\_00041.sch****Rule Description**

[ISM-ID-00041][Error] Rule removed in 2021-NOV due to XSLT sorting.

**14.29 - ../Rules/deleted/ISM\_ID\_00042.sch****Rule Description**

[ISM-ID-00042][Error] Rule removed in 2021-NOV due to XSLT sorting.

**14.30 - ../Rules/deleted/ISM\_ID\_00046.sch****Rule Description**

[ISM-ID-00046][Error] Rule removed in V8.

**14.31 - ../Rules/deleted/ISM\_ID\_00050.sch****Rule Description**

[ISM-ID-00050][Error] Rule removed in V2.

**14.32 - ../Rules/deleted/ISM\_ID\_00051.sch****Rule Description**

[ISM-ID-00051][Error] Rule removed in V2.

**14.33 - ../Rules/deleted/ISM\_ID\_00052.sch****Rule Description**

[ISM-ID-00052][Error] Rule removed in V2.

**14.34 - ../Rules/deleted/ISM\_ID\_00053.sch****Rule Description**

[ISM-ID-00053][Error] Rule removed in V2.

**14.35 - ../Rules/deleted/ISM\_ID\_00054.sch****Rule Description**

[ISM-ID-00054][Error] Rule removed in V2.

**14.36 - ../Rules/deleted/ISM\_ID\_00055.sch****Rule Description**

[ISM-ID-00055][Error] Rule removed in V2.

**14.37 - ../Rules/deleted/ISM\_ID\_00057.sch****Rule Description**

[ISM-ID-00057][Error] Rule removed in V8. Values moved to rule 56.

**14.38 - ../Rules/deleted/ISM\_ID\_00060.sch****Rule Description**

[ISM-ID-00060][Error] Rule removed in V2014-DEC. Replaced by ISM-ID-00343.

**14.39 - ../Rules/deleted/ISM\_ID\_00061.sch****Rule Description**

[ISM-ID-00061][Error] Rule removed in V2014-DEC. Replaced by ISM-ID-00343.

**14.40 - ../Rules/deleted/ISM\_ID\_00062.sch****Rule Description**

[ISM-ID-00062][Error] Rule removed in V2014-DEC. Replaced by ISM-ID-00343.

**14.41 - ../Rules/deleted/ISM\_ID\_00063.sch****Rule Description**

[ISM-ID-00063][Error] Rule removed in V2014-DEC. Replaced by ISM-ID-00343.

**14.42 - ../Rules/deleted/ISM\_ID\_00069.sch****Rule Description**

[ISM-ID-00069][Error] Rule removed in V5.

**14.43 - ../Rules/deleted/ISM\_ID\_00076.sch****Rule Description**

[ISM-ID-00076][Error] Rule removed in V3.

**14.44 - ../Rules/deleted/ISM\_ID\_00082.sch****Rule Description**

[ISM-ID-00082][Error] Rule removed in V8

**14.45 - ../Rules/deleted/ISM\_ID\_00083.sch****Rule Description**

[ISM-ID-00083][Error] Rule removed in V8

**14.46 - ../Rules/deleted/ISM\_ID\_00089.sch****Rule Description**

[ISM-ID-00089][Error] Rule removed in V4.

**14.47 - ../Rules/deleted/ISM\_ID\_00091.sch****Rule Description**

[ISM-ID-00091][Error] Rule removed in V5.

**14.48 - ../Rules/deleted/ISM\_ID\_00092.sch****Rule Description**

[ISM-ID-00092][Error] Rule removed in V5.

**14.49 - ../Rules/deleted/ISM\_ID\_00093.sch****Rule Description**

[ISM-ID-00093][Error] Rule removed in V5.

**14.50 - ../Rules/deleted/ISM\_ID\_00094.sch****Rule Description**

[ISM-ID-00094][Error] Rule removed in V8.

**14.51 - ../Rules/deleted/ISM\_ID\_00095.sch****Rule Description**

[ISM-ID-00095][Error] Rule removed in 2021-NOV due to XSLT sorting.

**14.52 - ../Rules/deleted/ISM\_ID\_00096.sch****Rule Description**

[ISM-ID-00096][Error] Rule removed in 2021-NOV due to XSLT sorting.

**14.53 - ../Rules/deleted/ISM\_ID\_00098.sch****Rule Description**

[ISM-ID-00098][ ] This rule number was skipped and never used. removed

**14.54 - ../Rules/deleted/ISM\_ID\_00100.sch****Rule Description**

[ISM-ID-00100][Error] Rule removed in 2021-NOV due to XSLT sorting.

**14.55 - ../Rules/deleted/ISM\_ID\_00101.sch****Rule Description**

[ISM-ID-00101][Error] Introduced and removed in V2. Never made it to signed package.

**14.56 - ../Rules/deleted/ISM\_ID\_00106.sch****Rule Description**

[ISM-ID-00106][Error] Rule removed in V5.

**14.57 - ../Rules/deleted/ISM\_ID\_00111.sch****Rule Description**

[ISM-ID-00111][Error] Removed in v2014-DEC. Replaced by ISM-ID-00344.

**14.58 - ../Rules/deleted/ISM\_ID\_00112.sch****Rule Description**

[ISM-ID-00112][Error] Removed in v2014-DEC. Replaced by ISM-ID-00344.

**14.59 - ../Rules/deleted/ISM\_ID\_00113.sch****Rule Description**

[ISM-ID-00113][Error] Removed in v2014-DEC. Replaced by ISM-ID-00344.

**14.60 - ../Rules/deleted/ISM\_ID\_00114.sch****Rule Description**

[ISM-ID-00114][Error] Rule removed in V5.

**14.61 - ../Rules/deleted/ISM\_ID\_00115.sch****Rule Description**

[ISM-ID-00115][Error] Rule removed in V5.

**14.62 - ../Rules/deleted/ISM\_ID\_00116.sch****Rule Description**

[ISM-ID-00116][Error] Removed in v2014-DEC. Replaced by ISM-ID-00344.

**14.63 - ../Rules/deleted/ISM\_ID\_00117.sch****Rule Description**

[ISM-ID-00117][Warning] Rule removed in V5.

**14.64 - ../Rules/deleted/ISM\_ID\_00120.sch****Rule Description**

[ISM-ID-00120][Error] Rule removed in V4.

**14.65 - ../Rules/deleted/ISM\_ID\_00121.sch****Rule Description**

[ISM-ID-00121][Error] Rule removed in 2021-NOV due to XSLT sorting.

**14.66 - ../Rules/deleted/ISM\_ID\_00122.sch****Rule Description**

[ISM-ID-00122][Error] Rule removed in V2016-SEP.

**14.67 - ../Rules/deleted/ISM\_ID\_00123.sch****Rule Description**

[ISM-ID-00123][Error] Rule removed in V2016-SEP.

**14.68 - ../Rules/deleted/ISM\_ID\_00126.sch****Rule Description**

[ISM-ID-00126][Error] Removed in V11.

**14.69 - ../Rules/deleted/ISM\_ID\_00131.sch****Rule Description**

[ISM-ID-00131][Error] Rule removed in V5.

**14.70 - ../Rules/deleted/ISM\_ID\_00137.sch****Rule Description**

[ISM-ID-00137][Error] Rule removed in V2016-SEPr2018-APR.

**14.71 - ../Rules/deleted/ISM\_ID\_00140.sch****Rule Description**

[ISM-ID-00140][Error] Rule removed in V8.

**14.72 - ../Rules/deleted/ISM\_ID\_00144.sch****Rule Description**

[ISM-ID-00144][Error] Rule removed in V4.

**14.73 - ../Rules/deleted/ISM\_ID\_00156.sch****Rule Description**

[ISM-ID-00156][Error] Rule removed in V8. Replaced by rules 237 and 238.

**14.74 - ../Rules/deleted/ISM\_ID\_00160.sch****Rule Description**

[ISM-ID-00160][Error] Rule removed in V8. Replaced by rules 239 and 240.

**14.75 - ../Rules/deleted/ISM\_ID\_00167.sch****Rule Description**

[ISM-ID-00167][Error] Rule removed in 2021-NOV due to XSLT sorting.

**14.76 - ../Rules/deleted/ISM\_ID\_00171.sch****Rule Description**

[ISM-ID-00171][Warning] Rule removed in V10 because it did not correctly treat portions with @ism:releasableTo as also contributing to displayability. Rule 320 was introduced in V10 to enforce rollup of displayability on the banner.

**14.77 - ../Rules/deleted/ISM\_ID\_00172.sch****Rule Description**

[ISM-ID-00172][Error] Rule removed in V6.

**14.78 - ../Rules/deleted/ISM\_ID\_00177.sch****Rule Description**

[ISM-ID-00177][Error] Rule removed in V8.

**14.79 - ../Rules/deleted/ISM\_ID\_00178.sch****Rule Description**

[ISM-ID-00178][Error] Rule removed in 2021-NOV due to XSLT sorting.

**14.80 - ../Rules/deleted/ISM\_ID\_00182.sch****Rule Description**

[ISM-ID-00182][Error] Rule removed in V8. Values moved to rule 181.

**14.81 - ../Rules/deleted/ISM\_ID\_00186.sch****Rule Description**

[ISM-ID-00186][Error] Rule removed in V2016-SEPr2018-APR.

**14.82 - ../Rules/deleted/ISM\_ID\_00187.sch****Rule Description**

[ISM-ID-00187][Error] Rule removed in V2016-SEPr2018-APR.

**14.83 - ../Rules/deleted/ISM\_ID\_00212.sch****Rule Description**

[ISM-ID-00212][Error] Rule removed in V6.

**14.84 - ../Rules/deleted/ISM\_ID\_00215.sch****Rule Description**

[ISM-ID-00215][Error] Rule removed in V8.

**14.85 - ../Rules/deleted/ISM\_ID\_00216.sch****Rule Description**

[ISM-ID-00216][ ] Introduced and removed in V6. Never made it to signed package.

**14.86 - ../Rules/deleted/ISM\_ID\_00218.sch****Rule Description**

[ISM-ID-00218][ ] Introduced and removed in V6. Never made it to signed package.

**14.87 - ../Rules/deleted/ISM\_ID\_00220.sch****Rule Description**

[ISM-ID-00220][Error] Rule removed in V7.

**14.88 - ../Rules/deleted/ISM\_ID\_00222.sch****Rule Description**

[ISM-ID-00222][Error] Removed in V13.

**14.89 - ../Rules/deleted/ISM\_ID\_00224.sch****Rule Description**

[ISM-ID-00224][Error] Removed in V10.

**14.90 - ../Rules/deleted/ISM\_ID\_00232.sch****Rule Description**

[ISM-ID-00232][ ] Introduced and removed in V8. Never made it to signed package.

**14.91 - ../Rules/deleted/ISM\_ID\_00233.sch****Rule Description**

[ISM-ID-00233][Error] Removed in V2014-DEC.

**14.92 - ../Rules/deleted/ISM\_ID\_00234.sch****Rule Description**

[ISM-ID-00234][Error] Removed in V2014-DEC.

**14.93 - ../Rules/deleted/ISM\_ID\_00235.sch****Rule Description**

[ISM-ID-00235][ ] Introduced and removed in V8. Never made it to signed package.

**14.94 - ../Rules/deleted/ISM\_ID\_00241.sch****Rule Description**

[ISM-ID-00241][Error] Rule removed in V2016-SEPr2018-APR.

**14.95 - ../Rules/deleted/ISM\_ID\_00247.sch****Rule Description**

[ISM-ID-00247][Error] Removed in V10.

**14.96 - ../Rules/deleted/ISM\_ID\_00249.sch****Rule Description**

[ISM-ID-00249][Error] Introduced and removed in V9. Never made it to signed package.

**14.97 - ../Rules/deleted/ISM\_ID\_00301.sch****Rule Description**

[ISM-ID-00301][Error] Removed in version 2017-MAY.

**14.98 - ../Rules/deleted/ISM\_ID\_00304.sch****Rule Description**

[ISM-ID-00304][Error] Rule removed in V2016-SEPr2018-APR.

**14.99 - ../Rules/deleted/ISM\_ID\_00305.sch****Rule Description**

[ISM-ID-00305][Error] Rule removed in V2016-SEPr2018-APR.

**14.100 - ../Rules/deleted/ISM\_ID\_00306.sch****Rule Description**

[ISM-ID-00306][Error] Rule removed in V2016-SEPr2018-APR.

**14.101 - ../Rules/deleted/ISM\_ID\_00307.sch****Rule Description**

[ISM-ID-00307][Error] Rule removed in V2016-SEPr2018-APR.

**14.102 - ../Rules/deleted/ISM\_ID\_00308.sch****Rule Description**

[ISM-ID-00308][Error] Rule removed in V2016-SEPr2018-APR.

**14.103 - ../Rules/deleted/ISM\_ID\_00309.sch****Rule Description**

[ISM-ID-00309][Error] Rule removed in V2016-SEPr2018-APR.

**14.104 - ../Rules/deleted/ISM\_ID\_00310.sch****Rule Description**

[ISM-ID-00310][Error] Rule removed in V2016-SEPr2018-APR.

**14.105 - ../Rules/deleted/ISM\_ID\_00311.sch****Rule Description**

[ISM-ID-00311][Error] Rule removed in V2016-SEPr2018-APR.

**14.106 - ./Rules/deleted/ISM\_ID\_00312.sch****Rule Description**

[ISM-ID-00312][Error] Added and removed in V10. Removed during final review, never made it to released package.

**14.107 - ./Rules/deleted/ISM\_ID\_00322.sch****Rule Description**

[ISM-ID-00322][Error] Removed in 2019-MAR. No longer needed with change from min version checks to be for environment validation instead of instance documents. ISM rule 375 handles the environment validation for ISMCAT.

**14.108 - ./Rules/deleted/ISM\_ID\_00329.sch****Rule Description**

[ISM-ID-00301][Error] Removed in version 2018-APR.

**14.109 - ./Rules/deleted/ISM\_ID\_00331.sch****Rule Description**

[ISM-ID-00331][Error] Rule removed in V2016-SEPr2018-APR.

**14.110 - ./Rules/deleted/ISM\_ID\_00333.sch****Rule Description**

[ISM-ID-00333][Error] Rule removed in V2016-SEPr2018-APR.

**14.111 - ./Rules/deleted/ISM\_ID\_00334.sch****Rule Description**

[ISM-ID-00334][Error] Rule removed in 2016-SEP.

**14.112 - ./Rules/deleted/ISM\_ID\_00342.sch****Rule Description**

[ISM-ID-00342][Error] Rule added then removed in 2014-DEC.

**14.113 - ./Rules/deleted/ISM\_ID\_00366.sch****Rule Description**

[ISM-ID-00366][Error] Rule removed in 2019-MAR due to ARH and NTK consolidation into ISM.

**14.114 - ./Rules/deleted/ISM\_ID\_00390.sch****Rule Description**

[ISM-ID-00390][Error] Rule removed in 2020-OCT because rule was determined to be FOUO and needed to be in the 100xx numbered series.

**14.115 - ./Rules/deleted/ISM\_ID\_00395.sch****Rule Description**

[ISM-ID-00395][Error] Rule removed in 2020-OCT because rule was determined to be FOUO and needed to be in the 100xx numbered series.