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Guide to Schematron Rules and Patterns

ISM Schematron Guide

Version 11

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Table of Contents

Chapter 1 - Introduction	1
1.1 - Purpose	1
Chapter 2 - Rules	2
2.1 - ../Rules/generalConstraints/ISM_ID_00002.sch	3
2.2 - ../Rules/generalConstraints/ISM_ID_00012.sch	4
2.3 - ../Rules/resourceElement/ISM_ID_00013.sch	5
2.4 - ../Rules/resourceElement/ISM_ID_00014.sch	6
2.5 - ../Rules/classification/ISM_ID_00016.sch	7
2.6 - ../Rules/classifiedBy/ISM_ID_00017.sch	8
2.7 - ../Rules/disseminationControls/ISM_ID_00026.sch	9
2.8 - ../Rules/disseminationControls/ISM_ID_00028.sch	10
2.9 - ../Rules/disseminationControls/ISM_ID_00030.sch	11
2.10 - ../Rules/disseminationControls/ISM_ID_00031.sch	12
2.11 - ../Rules/releasableTo/ISM_ID_00032.sch	13
2.12 - ../Rules/disseminationControls/ISM_ID_00033.sch	14
2.13 - ../Rules/nonICmarkings/ISM_ID_00035.sch	15
2.14 - ../Rules/nonICmarkings/ISM_ID_00037.sch	16
2.15 - ../Rules/nonICmarkings/ISM_ID_00038.sch	17
2.16 - ../Rules/classification/ISM_ID_00040.sch	18
2.17 - ../Rules/releasableTo/ISM_ID_00041.sch	19
2.18 - ../Rules/SCIcontrols/ISM_ID_00042.sch	20
2.19 - ../Rules/SCIcontrols/ISM_ID_00043.sch	21
2.20 - ../Rules/SCIcontrols/ISM_ID_00044.sch	22
2.21 - ../Rules/SCIcontrols/ISM_ID_00045.sch	23
2.22 - ../Rules/SCIcontrols/ISM_ID_00047.sch	24
2.23 - ../Rules/SCIcontrols/ISM_ID_00048.sch	25
2.24 - ../Rules/SCIcontrols/ISM_ID_00049.sch	26
2.25 - ../Rules/resourceElement/ISM_ID_00056.sch	27
2.26 - ../Rules/resourceElement/ISM_ID_00058.sch	28
2.27 - ../Rules/resourceElement/ISM_ID_00059.sch	29
2.28 - ../Rules/resourceElement/ISM_ID_00060.sch	30
2.29 - ../Rules/resourceElement/ISM_ID_00061.sch	31
2.30 - ../Rules/resourceElement/ISM_ID_00062.sch	32
2.31 - ../Rules/resourceElement/ISM_ID_00063.sch	33
2.32 - ../Rules/resourceElement/ISM_ID_00064.sch	34
2.33 - ../Rules/resourceElement/ISM_ID_00065.sch	35
2.34 - ../Rules/resourceElement/ISM_ID_00066.sch	36
2.35 - ../Rules/resourceElement/ISM_ID_00067.sch	37
2.36 - ../Rules/resourceElement/ISM_ID_00068.sch	38
2.37 - ../Rules/resourceElement/ISM_ID_00070.sch	39
2.38 - ../Rules/resourceElement/ISM_ID_00071.sch	40
2.39 - ../Rules/resourceElement/ISM_ID_00072.sch	41
2.40 - ../Rules/resourceElement/ISM_ID_00073.sch	42
2.41 - ../Rules/resourceElement/ISM_ID_00074.sch	43
2.42 - ../Rules/resourceElement/ISM_ID_00075.sch	44
2.43 - ../Rules/resourceElement/ISM_ID_00077.sch	45

2.44 - //Rules/resourceElement/ISM_ID_00078.sch	46
2.45 - //Rules/resourceElement/ISM_ID_00079.sch	47
2.46 - //Rules/resourceElement/ISM_ID_00080.sch	48
2.47 - //Rules/resourceElement/ISM_ID_00081.sch	49
2.48 - //Rules/resourceElement/ISM_ID_00084.sch	50
2.49 - //Rules/resourceElement/ISM_ID_00085.sch	51
2.50 - //Rules/resourceElement/ISM_ID_00086.sch	52
2.51 - //Rules/resourceElement/ISM_ID_00087.sch	53
2.52 - //Rules/resourceElement/ISM_ID_00088.sch	54
2.53 - //Rules/resourceElement/ISM_ID_00090.sch	56
2.54 - //Rules/FGIsourceOpen/ISM_ID_00095.sch	57
2.55 - //Rules/FGIsourceProtected/ISM_ID_00096.sch	58
2.56 - //Rules/FGIsourceProtected/ISM_ID_00097.sch	59
2.57 - //Rules/ownerProducer/ISM_ID_00099.sch	60
2.58 - //Rules/ownerProducer/ISM_ID_00100.sch	61
2.59 - //Rules/generalConstraints/ISM_ID_00102.sch	62
2.60 - //Rules/generalConstraints/ISM_ID_00103.sch	63
2.61 - //Rules/resourceElement/ISM_ID_00104.sch	64
2.62 - //Rules/resourceElement/ISM_ID_00105.sch	65
2.63 - //Rules/disseminationControls/ISM_ID_00107.sch	66
2.64 - //Rules/resourceElement/ISM_ID_00108.sch	67
2.65 - //Rules/resourceElement/ISM_ID_00109.sch	68
2.66 - //Rules/resourceElement/ISM_ID_00110.sch	69
2.67 - //Rules/resourceElement/ISM_ID_00111.sch	70
2.68 - //Rules/resourceElement/ISM_ID_00112.sch	71
2.69 - //Rules/resourceElement/ISM_ID_00113.sch	72
2.70 - //Rules/resourceElement/ISM_ID_00116.sch	73
2.71 - //Rules/resourceElement/ISM_ID_00118.sch	74
2.72 - //Rules/generalConstraints/ISM_ID_00119.sch	75
2.73 - //Rules/SARIdentifier/ISM_ID_00121.sch	76
2.74 - //Rules/SCIcontrols/ISM_ID_00122.sch	77
2.75 - //Rules/SCIcontrols/ISM_ID_00123.sch	78
2.76 - //Rules/disseminationControls/ISM_ID_00124.sch	79
2.77 - //Rules/generalConstraints/ISM_ID_00125.sch	80
2.78 - //Rules/notice/ISM_ID_00127.sch	81
2.79 - //Rules/notice/ISM_ID_00128.sch	82
2.80 - //Rules/notice/ISM_ID_00129.sch	83
2.81 - //Rules/notice/ISM_ID_00130.sch	84
2.82 - //Rules/resourceElement/ISM_ID_00132.sch	85
2.83 - //Rules/removeClassException/ISM_ID_00133.sch	86
2.84 - //Rules/notice/ISM_ID_00134.sch	87
2.85 - //Rules/notice/ISM_ID_00135.sch	88
2.86 - //Rules/notice/ISM_ID_00136.sch	89
2.87 - //Rules/notice/ISM_ID_00137.sch	90
2.88 - //Rules/notice/ISM_ID_00138.sch	91
2.89 - //Rules/notice/ISM_ID_00139.sch	92
2.90 - //Rules/resourceElement/ISM_ID_00141.sch	93
2.91 - //Rules/classification/ISM_ID_00142.sch	94
2.92 - //Rules/derivativelyClassifiedBy/ISM_ID_00143.sch	95

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2.93 - //Rules/resourceElement/ISM_ID_00145.sch	96
2.94 - //Rules/resourceElement/ISM_ID_00146.sch	97
2.95 - //Rules/resourceElement/ISM_ID_00147.sch	98
2.96 - //Rules/nonICmarkings/ISM_ID_00148.sch	99
2.97 - //Rules/resourceElement/ISM_ID_00149.sch	100
2.98 - //Rules/notice/ISM_ID_00150.sch	101
2.99 - //Rules/notice/ISM_ID_00151.sch	102
2.100 - //Rules/notice/ISM_ID_00152.sch	103
2.101 - //Rules/notice/ISM_ID_00153.sch	104
2.102 - //Rules/resourceElement/ISM_ID_00154.sch	105
2.103 - //Rules/resourceElement/ISM_ID_00155.sch	106
2.104 - //Rules/notice/ISM_ID_00157.sch	107
2.105 - //Rules/notice/ISM_ID_00158.sch	108
2.106 - //Rules/notice/ISM_ID_00159.sch	109
2.107 - //Rules/notice/ISM_ID_00161.sch	110
2.108 - //Rules/resourceElement/ISM_ID_00162.sch	111
2.109 - //Rules/nonUSControls/ISM_ID_00163.sch	112
2.110 - //Rules/disseminationControls/ISM_ID_00164.sch	113
2.111 - //Rules/resourceElement/ISM_ID_00165.sch	114
2.112 - //Rules/generalConstraints/ISM_ID_00166.sch	115
2.113 - //Rules/displayOnlyTo/ISM_ID_00167.sch	116
2.114 - //Rules/displayOnlyTo/ISM_ID_00168.sch	117
2.115 - //Rules/disseminationControls/ISM_ID_00169.sch	118
2.116 - //Rules/generalConstraints/ISM_ID_00170.sch	119
2.117 - //Rules/atomicEnergyMarkings/ISM_ID_00173.sch	120
2.118 - //Rules/atomicEnergyMarkings/ISM_ID_00174.sch	121
2.119 - //Rules/atomicEnergyMarkings/ISM_ID_00175.sch	122
2.120 - //Rules/atomicEnergyMarkings/ISM_ID_00176.sch	123
2.121 - //Rules/atomicEnergyMarkings/ISM_ID_00178.sch	124
2.122 - //Rules/generalConstraints/ISM_ID_00179.sch	125
2.123 - //Rules/generalConstraints/ISM_ID_00180.sch	126
2.124 - //Rules/atomicEnergyMarkings/ISM_ID_00181.sch	127
2.125 - //Rules/atomicEnergyMarkings/ISM_ID_00183.sch	128
2.126 - //Rules/atomicEnergyMarkings/ISM_ID_00184.sch	129
2.127 - //Rules/atomicEnergyMarkings/ISM_ID_00185.sch	130
2.128 - //Rules/SCIcontrols/ISM_ID_00186.sch	131
2.129 - //Rules/SCIcontrols/ISM_ID_00187.sch	132
2.130 - //Rules/generalConstraints/ISM_ID_00188.sch	133
2.131 - //Rules/generalConstraints/ISM_ID_00189.sch	134
2.132 - //Rules/generalConstraints/ISM_ID_00190.sch	135
2.133 - //Rules/generalConstraints/ISM_ID_00191.sch	136
2.134 - //Rules/generalConstraints/ISM_ID_00192.sch	137
2.135 - //Rules/generalConstraints/ISM_ID_00193.sch	138
2.136 - //Rules/generalConstraints/ISM_ID_00194.sch	139
2.137 - //Rules/generalConstraints/ISM_ID_00195.sch	140
2.138 - //Rules/generalConstraints/ISM_ID_00196.sch	141
2.139 - //Rules/generalConstraints/ISM_ID_00197.sch	142
2.140 - //Rules/generalConstraints/ISM_ID_00198.sch	143
2.141 - //Rules/generalConstraints/ISM_ID_00199.sch	144

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2.142 - //Rules/generalConstraints/ISM_ID_00200.sch	145
2.143 - //Rules/generalConstraints/ISM_ID_00201.sch	146
2.144 - //Rules/generalConstraints/ISM_ID_00202.sch	147
2.145 - //Rules/generalConstraints/ISM_ID_00203.sch	148
2.146 - //Rules/generalConstraints/ISM_ID_00204.sch	149
2.147 - //Rules/generalConstraints/ISM_ID_00205.sch	150
2.148 - //Rules/generalConstraints/ISM_ID_00206.sch	151
2.149 - //Rules/generalConstraints/ISM_ID_00207.sch	152
2.150 - //Rules/generalConstraints/ISM_ID_00208.sch	153
2.151 - //Rules/generalConstraints/ISM_ID_00209.sch	154
2.152 - //Rules/generalConstraints/ISM_ID_00210.sch	155
2.153 - //Rules/generalConstraints/ISM_ID_00211.sch	156
2.154 - //Rules/disseminationControls/ISM_ID_00213.sch	157
2.155 - //Rules/releasableTo/ISM_ID_00214.sch	158
2.156 - //Rules/FGIsourceProtected/ISM_ID_00217.sch	159
2.157 - //Rules/ownerProducer/ISM_ID_00219.sch	160
2.158 - //Rules/derivativelyClassifiedBy/ISM_ID_00221.sch	161
2.159 - //Rules/compliesWith/ISM_ID_00222.sch	162
2.160 - //Rules/generalConstraints/ISM_ID_00223.sch	163
2.161 - //Rules/nonICmarkings/ISM_ID_00225.sch	164
2.162 - //Rules/generalConstraints/ISM_ID_00226.sch	165
2.163 - //Rules/resourceElement/ISM_ID_00227.sch	166
2.164 - //Rules/resourceElement/ISM_ID_00228.sch	167
2.165 - //Rules/resourceElement/ISM_ID_00229.sch	168
2.166 - //Rules/resourceElement/ISM_ID_00230.sch	169
2.167 - //Rules/resourceElement/ISM_ID_00231.sch	170
2.168 - //Rules/FGIsourceOpen/ISM_ID_00233.sch	171
2.169 - //Rules/FGIsourceProtected/ISM_ID_00234.sch	172
2.170 - //Rules/generalConstraints/ISM_ID_00236.sch	173
2.171 - //Rules/notice/ISM_ID_00237.sch	174
2.172 - //Rules/notice/ISM_ID_00238.sch	175
2.173 - //Rules/notice/ISM_ID_00239.sch	176
2.174 - //Rules/notice/ISM_ID_00240.sch	177
2.175 - //Rules/SCIcontrols/ISM_ID_00241.sch	178
2.176 - //Rules/SCIcontrols/ISM_ID_00242.sch	179
2.177 - //Rules/SCIcontrols/ISM_ID_00243.sch	180
2.178 - //Rules/notice/ISM_ID_00244.sch	181
2.179 - //Rules/notice/ISM_ID_00245.sch	182
2.180 - //Rules/resourceElement/ISM_ID_00246.sch	183
2.181 - //Rules/notice/ISM_ID_00248.sch	184
2.182 - //Rules/notice/ISM_ID_00250.sch	185
2.183 - //Rules/notice/ISM_ID_00251.sch	186
2.184 - //Rules/nonICmarkings/ISM_ID_00252.sch	187
2.185 - //Rules/valueEnumerationConstraints/ISM_ID_00253.sch	188
2.186 - //Rules/valueEnumerationConstraints/ISM_ID_00254.sch	189
2.187 - //Rules/valueEnumerationConstraints/ISM_ID_00255.sch	190
2.188 - //Rules/valueEnumerationConstraints/ISM_ID_00256.sch	191
2.189 - //Rules/valueEnumerationConstraints/ISM_ID_00257.sch	192
2.190 - //Rules/valueEnumerationConstraints/ISM_ID_00258.sch	193

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2.191 - //Rules/valueEnumerationConstraints/ISM_ID_00259.sch	194
2.192 - //Rules/valueEnumerationConstraints/ISM_ID_00260.sch	195
2.193 - //Rules/valueEnumerationConstraints/ISM_ID_00261.sch	196
2.194 - //Rules/valueEnumerationConstraints/ISM_ID_00262.sch	197
2.195 - //Rules/valueEnumerationConstraints/ISM_ID_00263.sch	198
2.196 - //Rules/valueEnumerationConstraints/ISM_ID_00264.sch	199
2.197 - //Rules/valueEnumerationConstraints/ISM_ID_00265.sch	200
2.198 - //Rules/valueEnumerationConstraints/ISM_ID_00266.sch	201
2.199 - //Rules/valueEnumerationConstraints/ISM_ID_00267.sch	202
2.200 - //Rules/typeConstraintPatterns/ISM_ID_00268.sch	203
2.201 - //Rules/typeConstraintPatterns/ISM_ID_00269.sch	204
2.202 - //Rules/typeConstraintPatterns/ISM_ID_00270.sch	205
2.203 - //Rules/typeConstraintPatterns/ISM_ID_00271.sch	206
2.204 - //Rules/typeConstraintPatterns/ISM_ID_00272.sch	207
2.205 - //Rules/typeConstraintPatterns/ISM_ID_00273.sch	208
2.206 - //Rules/typeConstraintPatterns/ISM_ID_00274.sch	209
2.207 - //Rules/typeConstraintPatterns/ISM_ID_00275.sch	210
2.208 - //Rules/typeConstraintPatterns/ISM_ID_00276.sch	211
2.209 - //Rules/typeConstraintPatterns/ISM_ID_00277.sch	212
2.210 - //Rules/typeConstraintPatterns/ISM_ID_00278.sch	213
2.211 - //Rules/typeConstraintPatterns/ISM_ID_00279.sch	214
2.212 - //Rules/typeConstraintPatterns/ISM_ID_00280.sch	215
2.213 - //Rules/typeConstraintPatterns/ISM_ID_00281.sch	216
2.214 - //Rules/typeConstraintPatterns/ISM_ID_00282.sch	217
2.215 - //Rules/typeConstraintPatterns/ISM_ID_00294.sch	218
2.216 - //Rules/typeConstraintPatterns/ISM_ID_00283.sch	219
2.217 - //Rules/typeConstraintPatterns/ISM_ID_00284.sch	220
2.218 - //Rules/typeConstraintPatterns/ISM_ID_00285.sch	221
2.219 - //Rules/typeConstraintPatterns/ISM_ID_00286.sch	222
2.220 - //Rules/typeConstraintPatterns/ISM_ID_00287.sch	223
2.221 - //Rules/typeConstraintPatterns/ISM_ID_00288.sch	224
2.222 - //Rules/typeConstraintPatterns/ISM_ID_00289.sch	225
2.223 - //Rules/typeConstraintPatterns/ISM_ID_00290.sch	226
2.224 - //Rules/typeConstraintPatterns/ISM_ID_00291.sch	227
2.225 - //Rules/typeConstraintPatterns/ISM_ID_00292.sch	228
2.226 - //Rules/typeConstraintPatterns/ISM_ID_00293.sch	229
2.227 - //Rules/typeConstraintPatterns/ISM_ID_00295.sch	230
2.228 - //Rules/typeConstraintPatterns/ISM_ID_00296.sch	231
2.229 - //Rules/typeConstraintPatterns/ISM_ID_00297.sch	232
2.230 - //Rules/resourceElement/ISM_ID_00298.sch	233
2.231 - //Rules/declassException/ISM_ID_00299.sch	234
2.232 - //Rules/generalConstraints/ISM_ID_00300.sch	235
2.233 - //Rules/SCIcontrols/ISM_ID_00301.sch	236
2.234 - //Rules/disseminationControls/ISM_ID_00302.sch	237
2.235 - //Rules/resourceElement/ISM_ID_00303.sch	238
2.236 - //Rules/SCIcontrols/ISM_ID_00304.sch	239
2.237 - //Rules/SCIcontrols/ISM_ID_00305.sch	240
2.238 - //Rules/SCIcontrols/ISM_ID_00306.sch	241
2.239 - //Rules/SCIcontrols/ISM_ID_00307.sch	242

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2.240 - //Rules/SCIcontrols/ISM_ID_00308.sch	243
2.241 - //Rules/SCIcontrols/ISM_ID_00309.sch	244
2.242 - //Rules/SCIcontrols/ISM_ID_00310.sch	245
2.243 - //Rules/SCIcontrols/ISM_ID_00311.sch	246
2.244 - //Rules/nonICmarkings/ISM_ID_00313.sch	247
2.245 - //Rules/nonICmarkings/ISM_ID_00314.sch	248
2.246 - //Rules/ownerProducer/ISM_ID_00315.sch	249
2.247 - //Rules/resourceElement/ISM_ID_00316.sch	250
2.248 - //Rules/resourceElement/ISM_ID_00317.sch	251
2.249 - //Rules/resourceElement/ISM_ID_00318.sch	252
2.250 - //Rules/resourceElement/ISM_ID_00319.sch	254
2.251 - //Rules/resourceElement/ISM_ID_00320.sch	255
2.252 - //Rules/atomicEnergyMarkings/ISM_ID_00321.sch	257
Chapter 3 - Abstract Patterns	258
3.1 - //Lib/AttributeContributesToRollup.sch	259
3.2 - //Lib/AttributeContributesToRollupWithClassification.sch	260
3.3 - //Lib/AttributeContributesToRollupWithException.sch	261
3.4 - //Lib/AttributeValueDeprecatedError.sch	262
3.5 - //Lib/AttributeValueDeprecatedWarning.sch	263
3.6 - //Lib/DataHasCorrespondingNotice.sch	264
3.7 - //Lib/DataHasCorrespondingNoticeWithException.sch	265
3.8 - //Lib/MutuallyExclusiveAttributeValues.sch	266
3.9 - //Lib/NonCompilationDocumentRollup.sch	267
3.10 - //Lib/NoticeHasCorrespondingData.sch	268
3.11 - //Lib/ValidateTokenValuesExistenceInList.sch	269
3.12 - //Lib/ValidateValueExistenceInList.sch	270
3.13 - //Lib/ValuesOrderedAccordingToCve.sch	271
Chapter 4 - Schematron Schema	272
4.1 - //ISM_XML.sch	273
Chapter 5 - Removed Rules	302
5.1 - //Rules/ownerProducer/ISM_ID_00001.sch	302
5.2 - //Rules/declassException/ISM_ID_00003.sch	302
5.3 - //Rules/disseminationControls/ISM_ID_00004.sch	302
5.4 - //Rules/FGIsourceOpen/ISM_ID_00005.sch	302
5.5 - //Rules/FGIsourceProtected/ISM_ID_00006.sch	302
5.6 - //Rules/nonICmarkings/ISM_ID_00007.sch	302
5.7 - //Rules/ownerProducer/ISM_ID_00008.sch	302
5.8 - //Rules/releasableTo/ISM_ID_00009.sch	302
5.9 - //Rules/SCIcontrols/ISM_ID_00010.sch	302
5.10 - //Rules/typeOfExemptedSource/ISM_ID_00011.sch	303
5.11 - //Rules/classification/ISM_ID_00015.sch	303
5.12 - //Rules/typeOfExemptedSource/ISM_ID_00018.sch	303
5.13 - //Rules/typeOfExemptedSource/ISM_ID_00019.sch	303
5.14 - //Rules/typeOfExemptedSource/ISM_ID_00020.sch	303
5.15 - //Rules/typeOfExemptedSource/ISM_ID_00021.sch	303
5.16 - //Rules/typeOfExemptedSource/ISM_ID_00022.sch	303
5.17 - //Rules/declassException/ISM_ID_00023.sch	303
5.18 - //Rules/FGIsourceOpen/ISM_ID_00024.sch	303
5.19 - //Rules/FGIsourceProtected/ISM_ID_00025.sch	303

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5.20 - //Rules/disseminationControls/ISM_ID_00027.sch	303
5.21 - //Rules/disseminationControls/ISM_ID_00029.sch	304
5.22 - //Rules/disseminationControls/ISM_ID_00034.sch	304
5.23 - //Rules/nonICmarkings/ISM_ID_00036.sch	304
5.24 - //Rules/ownerProducer/ISM_ID_00039.sch	304
5.25 - //Rules/SCIcontrols/ISM_ID_00046.sch	304
5.26 - //Rules/disseminationControls/ISM_ID_00050.sch	304
5.27 - //Rules/nonICmarkings/ISM_ID_00051.sch	304
5.28 - //Rules/disseminationControls/ISM_ID_00052.sch	304
5.29 - //Rules/disseminationControls/ISM_ID_00053.sch	304
5.30 - //Rules/disseminationControls/ISM_ID_00054.sch	304
5.31 - //Rules/nonICmarkings/ISM_ID_00055.sch	304
5.32 - //Rules/resourceElement/ISM_ID_00057.sch	305
5.33 - //Rules/resourceElement/ISM_ID_00069.sch	305
5.34 - //Rules/resourceElement/ISM_ID_00076.sch	305
5.35 - //Rules/resourceElement/ISM_ID_00082.sch	305
5.36 - //Rules/resourceElement/ISM_ID_00083.sch	305
5.37 - //Rules/resourceElement/ISM_ID_00089.sch	305
5.38 - //Rules/disseminationControls/ISM_ID_00091.sch	305
5.39 - //Rules/disseminationControls/ISM_ID_00092.sch	305
5.40 - //Rules/disseminationControls/ISM_ID_00093.sch	305
5.41 - //Rules/disseminationControls/ISM_ID_00094.sch	305
5.42 - //Rules/generalConstraints/ISM_ID_00098.sch	305
5.43 - //Rules/DeclassManualReview/ISM_ID_00101.sch	306
5.44 - //Rules/disseminationControls/ISM_ID_00106.sch	306
5.45 - //Rules/SARIdentifier/ISM_ID_00114.sch	306
5.46 - //Rules/classification/ISM_ID_00115.sch	306
5.47 - //Rules/disseminationControls/ISM_ID_00117.sch	306
5.48 - //Rules/disseminationControls/ISM_ID_00120.sch	306
5.49 - //Rules/generalConstraints/ISM_ID_00126.sch	306
5.50 - //Rules/notice/ISM_ID_00131.sch	306
5.51 - //Rules/disseminationControls/ISM_ID_00140.sch	306
5.52 - //Rules/resourceElement/ISM_ID_00144.sch	306
5.53 - //Rules/notice/ISM_ID_00156.sch	306
5.54 - //Rules/notice/ISM_ID_00160.sch	307
5.55 - //Rules/resourceElement/ISM_ID_00171.sch	307
5.56 - //Rules/resourceElement/ISM_ID_00172.sch	307
5.57 - //Rules/SCIcontrols/ISM_ID_00177.sch	307
5.58 - //Rules/atomicEnergyMarkings/ISM_ID_00182.sch	307
5.59 - //Rules/generalConstraints/ISM_ID_00212.sch	307
5.60 - //Rules/disseminationControls/ISM_ID_00215.sch	307
5.61 - //Rules/FGIsourceOpen/ISM_ID_00216.sch	307
5.62 - //Rules/FGIsourceProtected/ISM_ID_00218.sch	307
5.63 - //Rules/ACCM/ISM_ID_00220.sch	307
5.64 - //Rules/pocType/ISM_ID_00224.sch	308
5.65 - //Rules/FGIsourceOpen/ISM_ID_00232.sch	308
5.66 - //Rules/FGIsourceProtected/ISM_ID_00235.sch	308
5.67 - //Rules/pocType/ISM_ID_00247.sch	308
5.68 - //Rules/notice/ISM_ID_00249.sch	308

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5.69 - ../Rules/resourceElement/ISM_ID_00312.sch 308

Chapter 1 - Introduction

1.1 - Purpose

(U) The following documentation is informative. The actual Schematron files are the normative record. This documentation is generated from the Schematron files via XSLT it may be missing some file or pieces of a file but whatever is here other than titles came from the original file.

(U) It is envisioned that this will be a useful resource to search and read but for questions and debates the source files should be consulted.

(U) 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 strongly influence a rule but is not actually a numbered rule.

Chapter 2 - Rules

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

2.1 - `./Rules/generalConstraints/ISM_ID_00002.sch`

Rule Description: ISM-ID-00002 [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, we make sure that each attribute in the ISM namespace is specified with a non-whitespace value.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00002">

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

2.2 - ../Rules/generalConstraints/ISM_ID_00012.sch

Rule Description: ISM-ID-00012 [ISM-ID-00012][Error] If any of the attributes defined in this DES other than DESVersion, unregisteredNoticeType, or pocType are specified for an element, then attributes classification and ownerProducer must be specified for the element.

Code Description: For each element which defines an attribute in the ISM namespace other than ism:pocTyp, ism:DESVersion, or ism:unregisteredNoticeType we make sure that attributes ism:classification and ism:ownerProducer are specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00012">

    <sch:rule context="*[@ism:* except (@ism:pocType |
@ism:DESVersion | @ism:unregisteredNoticeType)]">
        <sch:assert test="@ism:ownerProducer and
@ism:classification" flag="error">
            [ISM-ID-00012][Error] If any of the attributes defined in
            this DES other than DESVersion, unregisteredNoticeType, or
pocType
            are specified for an element, then attributes classification and
            ownerProducer must be specified for the element.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.3 - `./Rules/resourceElement/ISM_ID_00013.sch`

Rule Description: ISM-ID-00013 [ISM-ID-00013][Error] If ISM_NSI_EO_APPLIES then either attribute `classifiedBy` or `derivedFrom` must be specified on the ISM_RESOURCE_ELEMENT. Human Readable: Documents under E.O. 13526 must have classification authority block information.

Code Description: If ISM_NSI_EO_APPLIES, we make sure that the ISM_RESOURCE_ELEMENT specifies attribute `ism:classifiedBy` or attribute `ism:derivedFrom`.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00013">

    <sch:rule
context="*[$ISM_NSI_EO_APPLIES and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)]">
        <sch:assert test="@ism:classifiedBy or @ism:derivedFrom"
flag="error">
            [ISM-ID-00013][Error] Documents under E.O. 13526 must have
            classification authority block information.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.4 - `./Rules/resourceElement/ISM_ID_00014.sch`

Rule Description: ISM-ID-00014 [ISM-ID-00014][Error] If ISM_NSI_EO_APPLIES then one or more of the following attributes: declassDate, declassEvent, or 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, we make sure that the ISM_RESOURCE_ELEMENT specifies one of the following attributes: ism:declassDate, ism:declassEvent, ism:declassException.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00014">

    <sch:rule
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">
        [ISM-ID-00014][Error] If ISM_NSI_EO_APPLIES then one or more of
the following
        attributes: declassDate, declassEvent, or 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>
```

2.5 - `./Rules/classification/ISM_ID_00016.sch`

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

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which has attribute ism:classification specified with a value of [U] we make sure 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?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00016">

      <sch:rule context="*[$ISM_CAPCO_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">
      [ISM-ID-00016][Error] If ISM_CAPCO_RESOURCE and attribute
classification has a value of [U], then attributes
classificationReason,
classifiedBy, derivativelyClassifiedBy, declassDate, declassEvent,
declassException, derivedFrom, SARIdentifier, or
SCIcontrols must not be specified.
</sch:assert>
      </sch:rule>
</sch:pattern>
```

2.6 - ../Rules/classifiedBy/ISM_ID_00017.sch

Rule Description: ISM-ID-00017 [ISM-ID-00017][Error] If ISM_NSI_EO_APPLIES and attribute classifiedBy is specified, then attribute 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 we make sure that attribute ism:classificationReason is specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00017">

    <sch:rule context="*[$ISM_NSI_EO_APPLIES and
@ism:classifiedBy]">
        <sch:assert test="@ism:classificationReason"
flag="error">
            [ISM-ID-00017][Error] If ISM_NSI_EO_APPLIES and attribute
            classifiedBy is specified, then attribute 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>
```

2.7 - `./Rules/disseminationControls/ISM_ID_00026.sch`

Rule Description: ISM-ID-00026 [ISM-ID-00026][Error] If ISM_CAPCO_RESOURCE and attribute disseminationControls is specified, then each of its values must be ordered in accordance with CVEnumISMDissem.xml.

Code Description: This rule uses an abstract pattern to consolidate logic. It verifies that the attribute ism:\$attrLocalName has values in the same order as the list \$cveTermList, which is defined in the main schematron file, ISM_XML.sch.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00026" is-a="ValuesOrderedAccordingToCve">

    <sch:param name="attrLocalName"
value="disseminationControls"/>
    <sch:param name="attrValueTokens"
    value="tokenize(normalize-
space(string(@ism:disseminationControls)), ' ')/>
    <sch:param name="cveTermList"
value="$disseminationControlsList"/>
    <sch:param name="errorMessage"
    value=" ' [ISM-ID-00026][Error] If
ISM_CAPCO_RESOURCE and attribute disseminationControls is specified, then
each of its values must be ordered in accordance with
CVEnumISMDissem.xml. ' "/>
    </sch:pattern>
```

2.8 - `./Rules/disseminationControls/ISM_ID_00028.sch`

Rule Description: ISM-ID-00028 [ISM-ID-00028][Error] If ISM_CAPCO_RESOURCE and attribute disseminationControls contains the name token [OC] or [EYES], then attribute 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-CAPCO-RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [OC] or [EYES] we make sure that attribute ism:classification is specified with a value of [C], [S], or [TS].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00028">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC', 'EYES'))]">
    <sch:assert test="@ism:classification=('TS', 'S', 'C')"
flag="error">
    [ISM-ID-00028][Error] If ISM_CAPCO_RESOURCE and attribute
    disseminationControls contains the name token [OC] or [EYES],
    then attribute 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>
```

2.9 - ../Rules/disseminationControls/ISM_ID_00030.sch

Rule Description: ISM-ID-00030 [ISM-ID-00030][Error] If ISM_CAPCO_RESOURCE and attribute disseminationControls contains the name token [FOUO], then attribute 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-CAPCO-RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [FOUO] we make sure that attribute ism:classification is specified with a value of [U].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
    -->
<sch:pattern id="ISM-ID-00030">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:disseminationControls, ('FOUO'))]">
    <sch:assert test="@ism:classification='U' " flag="error">
    [ISM-ID-00030][Error] If ISM_CAPCO_RESOURCE and attribute
disseminationControls contains the name token [FOUO], then
attribute
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>
```

2.10 - `./Rules/disseminationControls/ISM_ID_00031.sch`

Rule Description: ISM-ID-00031 [ISM-ID-00031][Error] If ISM_CAPCO_RESOURCE and attribute disseminationControls contains the name token [REL] or [EYES], then attribute 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-CAPCO-RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [REL] or [EYES] we make sure that attribute ism:releasableTo is specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00031">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:disseminationControls, ('REL', 'EYES'))]">
    <sch:assert test="@ism:releasableTo" flag="error">
    [ISM-ID-00031][Error] If ISM_CAPCO_RESOURCE and attribute
    disseminationControls contains the name token [REL] or [EYES],
then
    attribute 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>
```

2.11 - `./Rules/releasableTo/ISM_ID_00032.sch`

Rule Description: ISM-ID-00032 [ISM-ID-00032][Error] If ISM_CAPCO_RESOURCE and attribute disseminationControls is not specified, or is specified and does not contain the name token [REL] or [EYES], then attribute 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-CAPCO-RESOURCE, for each element which does not specify attribute disseminationControls or specifies attribute ism:disseminationControls with a value containing the token [REL] or [EYES] we make sure that attribute ism:releasableTo is not specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00032">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE          and
not(util:containsAnyOfTheTokens(@ism:disseminationControls, ('REL',
'EYES')))]">
        <sch:assert test="not(@ism:releasableTo)" flag="error">
[ISM-ID-00032][Error] If ISM_CAPCO_RESOURCE and attribute
disseminationControls is not specified, or is specified and does
not
contain the name token [REL] or [EYES], then attribute
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>
```

2.12 - `./Rules/disseminationControls/ISM_ID_00033.sch`

Rule Description: ISM-ID-00033 [ISM-ID-00033][Error] If ISM_CAPCO_RESOURCE, then tokens [REL], [EYES] and [NF] are mutually exclusive for attribute disseminationControls.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM-CAPCO-RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [REL], [EYES] or [NF], we make sure that attribute ism:disseminationControls is specified with a value containing only one of the tokens [REL], [EYES] or [NF].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00033" is-a="MutuallyExclusiveAttributeValues">

    <sch:param name="context"

value="*[$ISM_CAPCO_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_CAPCO_RESOURCE, then tokens [REL], [EYES] and [NF] are mutually
exclusive for attribute disseminationControls.  '"/>
    </sch:pattern>
```

2.13 - `./Rules/nonICmarkings/ISM_ID_00035.sch`

Rule Description: ISM-ID-00035 [ISM-ID-00035][Error] If ISM_CAPCO_RESOURCE and attribute nonICmarkings is specified, then each of its values must be ordered in accordance with CVEnumISMNonIC.xml.

Code Description: This rule uses an abstract pattern to consolidate logic. It verifies that the attribute `ism:$attrLocalName` has values in the same order as the list `$cveTermList`, which is defined in the main schematron file, ISM_XML.sch.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00035" is-a="ValuesOrderedAccordingToCve">

    <sch:param name="attrLocalName" value="nonICmarkings"/>
    <sch:param name="attrValueTokens"
        value="tokenize(normalize-
space(string(@ism:nonICmarkings)), ' ')/>
    <sch:param name="cveTermList" value="$nonICmarkingsList"/>
    <sch:param name="errorMessage"
        value="' [ISM-ID-00035][Error] If
ISM_CAPCO_RESOURCE and attribute nonICmarkings is specified, then each
of its values must be ordered in accordance with CVEnumISMNonIC.xml. '"/>
</sch:pattern>
```

2.14 - ./Rules/nonICmarkings/ISM_ID_00037.sch

Rule Description: ISM-ID-00037 [ISM-ID-00037][Error] If ISM_CAPCO_RESOURCE and attribute nonICmarkings on the resourceElement contains the name token [SBU], [SBU-NF] then attribute classification must have a value of [U]. Human Readable: SBU, SBU-NF data must be marked UNCLASSIFIED on the banner. in USA documents.

Code Description: If the document is an ISM-CAPCO-RESOURCE, if an element has attribute ism:resourceElement equal to true and also has attribute ism:nonICmarkings specified with a value containing the token [SBU], [SBU-NF] we make sure that attribute ism:classification is specified with a value of [U].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
    -->
<sch:pattern id="ISM-ID-00037">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE
@ism:resourceElement=true()
and
util:containsAnyOfTheTokens(@ism:nonICmarkings, ('SBU', 'SBU-NF'))]">
    <sch:assert test="@ism:classification='U'" flag="error">
[ISM-ID-00037][Error] If ISM_CAPCO_RESOURCE and attribute
nonICmarkings
on the resourceElement contains the name token [SBU], [SBU-NF] then
attribute
classification must have a value of [U].

    Human Readable: SBU, SBU-NF data must be marked UNCLASSIFIED on the
banner.
    in USA documents.
    </sch:assert>
    </sch:rule>
    </sch:pattern>
```

2.15 - `./Rules/nonICmarkings/ISM_ID_00038.sch`

Rule Description: ISM-ID-00038 [ISM-ID-00038][Error] If ISM_CAPCO_RESOURCE, then Name tokens [XD] and [ND] are mutually exclusive for attribute nonICmarkings. Human Readable: USA documents must not specify both XD and ND on a single element.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM-CAPCO-RESOURCE, for each element which has attribute ism:nonICmarkings specified with a value containing the token [XD] or [ND], we make sure that attribute ism:nonICmarkings is not specified with a value containing both tokens [XD] and [ND].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00038" is-a="MutuallyExclusiveAttributeValues">

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

2.16 - `./Rules/classification/ISM_ID_00040.sch`

Rule Description: ISM-ID-00040 [ISM-ID-00040][Error] If ISM_CAPCO_RESOURCE and attribute ownerProducer contains [USA] then attribute 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?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00040" is-a="ValidateValueExistenceInList">

    <sch:param name="context"

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

2.17 - ./Rules/releasableTo/ISM_ID_00041.sch

Rule Description: ISM-ID-00041 [ISM-ID-00041][Error] If ISM_CAPCO_RESOURCE and attribute releasableTo is specified, then each of its values must be ordered in accordance with CVEnumISMRelTo.xml.

Code Description: This rule uses an abstract pattern to consolidate logic. It verifies that the attribute ism:\$attrLocalName has values in the same order as the list \$cveTermList, which is defined in the main schematron file, ISM_XML.sch.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00041" is-a="ValuesOrderedAccordingToCve">

      <sch:param name="attrLocalName" value="releasableTo"/>
      <sch:param name="attrValueTokens"
value="tokenize(normalize-
space(string(@ism:releasableTo)), ' ')/>
      <sch:param name="cveTermList" value="$releasableToList"/>
      <sch:param name="errorMessage"
value="'      [ISM-ID-00041][Error] If
ISM_CAPCO_RESOURCE and attribute releasableTo is specified,      then each of
its values must be ordered in accordance with CVEnumISMRelTo.xml.      '/>
      </sch:pattern>
```

2.18 - ./Rules/SCIcontrols/ISM_ID_00042.sch

Rule Description: ISM-ID-00042 [ISM-ID-00042][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols is specified, each of its values must be ordered in accordance with CVEnumISMSCIControls.xml.

Code Description: This rule uses an abstract pattern to consolidate logic. It verifies that the attribute ism:\$attrLocalName has values in the same order as the list \$cveTermList, which is defined in the main schematron file, ISM_XML.sch.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00042" is-a="ValuesOrderedAccordingToCve">

      <sch:param name="attrLocalName" value="SCIcontrols"/>
      <sch:param name="attrValueTokens"
value="tokenize(normalize-
space(string(@ism:SCIcontrols)), ' ')/>
      <sch:param name="cveTermList" value="$SCIcontrolsList"/>
      <sch:param name="errorMessage"
value="'      [ISM-ID-00042][Error] If
ISM_CAPCO_RESOURCE and attribute SCIcontrols      is specified, each of its
values must be ordered in accordance with      CVEnumISMSCIControls.xml.
'"/>

      </sch:pattern>
```

2.19 - ./Rules/SCIcontrols/ISM_ID_00043.sch

Rule Description: ISM-ID-00043 [ISM-ID-00043][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols contains the name token [SI], then attribute 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-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [SI] we make sure that attribute ism:classification is specified with a value containing the token [TS], [S], or [C].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
    -->
<sch:pattern id="ISM-ID-00043">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('SI'))]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S', 'C'))"
    flag="error">
    [ISM-ID-00043][Error] If ISM_CAPCO_RESOURCE and attribute
SCIcontrols
have
    contains the name token [SI], then attribute classification must
    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>
```

2.20 - ./Rules/SCIcontrols/ISM_ID_00044.sch

Rule Description: ISM-ID-00044 [ISM-ID-00044][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols contains a name token starting with [SI-G], then attribute 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-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing a token starting with [SI-G] we make sure that attribute ism:classification is specified with a value containing the token [TS].

Schematron Code:

```
<?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-00044">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                and
util:containsAnyTokenMatching(@ism:SCIcontrols, ('^SI-G'))]">
        <sch:assert
test="util:containsAnyOfTheTokens(@ism:classification, ('TS'))" flag="error">
    [ISM-ID-00044][Error] If ISM_CAPCO_RESOURCE and attribute
SCIcontrols
    contains a name token starting with [SI-G], then attribute
    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>
```

2.21 - ./Rules/SCIcontrols/ISM_ID_00045.sch

Rule Description: ISM-ID-00045 [ISM-ID-00045][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols contains a name token starting with [SI-G], then attribute 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-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing a token starting with [SI-G] we make sure that attribute ism:disseminationControls is specified with a value containing the token [OC].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00045">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyTokenMatching(@ism:SCIcontrols, ('^SI-G'))]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC'))"
    flag="error">
    [ISM-ID-00045][Error] If ISM_CAPCO_RESOURCE and attribute
SCIcontrols
contains a name token starting with [SI-G], then attribute
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>
```

2.22 - ./Rules/SCIcontrols/ISM_ID_00047.sch

Rule Description: ISM-ID-00047 [ISM-ID-00047][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols contains the name token [TK], then attribute 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-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [TK] we make sure that attribute ism:classification is specified with a value containing the token [TS] or [S].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00047">
    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('TK'))]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S'))"
    flag="error">
    [ISM-ID-00047][Error] If ISM_CAPCO_RESOURCE and attribute
SCIcontrols
    contains the name token [TK], then attribute 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>
```

2.23 - ./Rules/SCIcontrols/ISM_ID_00048.sch

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

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [HCS] we make sure that attribute ism:classification is specified with a value containing the token [TS], [S], or [C].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00048">
    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('HCS'))]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S', 'C'))"
    flag="error">
    [ISM-ID-00048][Error] If ISM_CAPCO_RESOURCE and attribute
SCIcontrols
contains the name token [HCS], then attribute classification must
have
a value of [TS], [S], or [C].
    Human Readable: A USA document containing HCS data must be
classified
CONFIDENTIAL, SECRET, or TOP SECRET.
    </sch:assert>
    </sch:rule>
    </sch:pattern>
```

2.24 - ./Rules/SCIcontrols/ISM_ID_00049.sch

Rule Description: ISM-ID-00049 [ISM-ID-00049][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols contains the name token [HCS], then attribute 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-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [HCS] we make sure that attribute ism:disseminationControls is specified with a value containing the token [NF].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00049">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('HCS'))]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
    flag="error">
    [ISM-ID-00049][Error] If ISM_CAPCO_RESOURCE and attribute
SCIcontrols
    contains the name token [HCS], then attribute
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>
```

2.25 - ./Rules/resourceElement/ISM_ID_00056.sch

Rule Description: ISM-ID-00056 [ISM-ID-00056][Error] If ISM_CAPCO_RESOURCE and attribute classification of ISM_RESOURCE_ELEMENT has a value of [U] then no element meeting ISM_CONTRIBUTES_USA in the document may have a classification attribute of [C], [S], [TS], or [R]. Human Readable: USA UNCLASSIFIED documents can't have portion markings with the classification TOP SECRET, SECRET, CONFIDENTIAL, or RESTRICTED data.

Code Description: If the document is an ISM-CAPCO-RESOURCE and attribute ism:classification on \$ISM_RESOURCE_ELEMENT has a value of [U], then we make sure that no element meeting ISM_CONTRIBUTES_USA has attribute ism:classification with value [C], [S], [TS], [R].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00056">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and generate-id(.) =
generate-id($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">
    [ISM-ID-00056][Error] If ISM_CAPCO_RESOURCE and attribute
classification of
    ISM_RESOURCE_ELEMENT has a value of [U] then no element meeting
ISM_CONTRIBUTES_USA in the document may have
    a classification attribute of [C], [S], [TS], or [R].

    Human Readable: USA UNCLASSIFIED documents can't have portion
markings with the classification TOP SECRET, SECRET, CONFIDENTIAL, or
RESTRICTED data.
    </sch:assert>
    </sch:rule>
    </sch:pattern>
```

2.26 - `./Rules/resourceElement/ISM_ID_00058.sch`

Rule Description: ISM-ID-00058 [ISM-ID-00058][Error] If ISM_CAPCO_RESOURCE and attribute classification of ISM_RESOURCE_ELEMENT has a value of [C] then no element meeting ISM_CONTRIBUTES_USA in the document may have a classification attribute of [S] or [TS]. Human Readable: USA CONFIDENTIAL documents can't have TOP SECRET or SECRET data.

Code Description: If the document is an ISM-CAPCO-RESOURCE and attribute ism:classification on \$ISM_RESOURCE_ELEMENT has a value of [C], then we make sure that no element meeting ISM_CONTRIBUTES_USA has attribute ism:classification with value [S], [TS].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00058">

      <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($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">
      [ISM-ID-00058][Error] USA CONFIDENTIAL documents can't have TOP
SECRET or SECRET data.
      </sch:assert>
      </sch:rule>
    </sch:pattern>
```

2.27 - `./Rules/resourceElement/ISM_ID_00059.sch`

Rule Description: ISM-ID-00059 [ISM-ID-00059][Error] If ISM_CAPCO_RESOURCE and attribute classification of ISM_RESOURCE_ELEMENT has a value of [S] then no element meeting ISM_CONTRIBUTES_USA in the document may have a classification attribute of [TS].
Human Readable: USA SECRET documents can't have TOP SECRET data.

Code Description: If the document is an ISM-CAPCO-RESOURCE and attribute ism:classification on \$ISM_RESOURCE_ELEMENT has a value of [S], then we make sure that no element meeting ISM_CONTRIBUTES_USA has attribute ism:classification with value [TS].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00059">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($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">
            [ISM-ID-00059][Error] USA SECRET documents can't have TOP SECRET
data.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.28 - `./Rules/resourceElement/ISM_ID_00060.sch`

Rule Description: ISM-ID-00060 [ISM-ID-00060][Error] If ISM_CAPCO_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute SCIcontrols containing a value of [SI] then the ISM_RESOURCE_ELEMENT element's SCIcontrols must contain [SI]. Human Readable: USA documents having SI data must have SI at the resource level.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM_CAPCO_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00060" is-a="AttributeContributesToRollup">

      <sch:param name="attrLocalName" value="SCIcontrols"/>
      <sch:param name="value" value="SI"/>
      <sch:param name="errorMessage"
        value="'[ISM-ID-00060][Error] USA documents
having SI data must have SI at the resource level.'"/>
    </sch:pattern>
```

2.29 - ./Rules/resourceElement/ISM_ID_00061.sch

Rule Description: ISM-ID-00061 [ISM-ID-00061][Error] If ISM_CAPCO_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute SCIcontrols containing a value of [SI-G] then the ISM_RESOURCE_ELEMENT element's SCIcontrols must contain [SI-G]. Human Readable: USA documents having SI-G data must have SI-G at the resource level.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM_CAPCO_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code:

```
<?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-00061" is-a="AttributeContributesToRollup">

      <sch:param name="attrLocalName" value="SCIcontrols"/>
      <sch:param name="value" value="SI-G"/>
      <sch:param name="errorMessage"
        value="'[ISM-ID-00061][Error] USA documents
having SI-G data must have SI-G at the resource level.'"/>
    </sch:pattern>
```

2.30 - `./Rules/resourceElement/ISM_ID_00062.sch`

Rule Description: ISM-ID-00062 [ISM-ID-00062][Error] If ISM_CAPCO_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute SCIcontrols containing a value of [TK] then the ISM_RESOURCE_ELEMENT node's SCIcontrols must contain [TK]. Human Readable: USA documents having TK data must have TK at the resource level.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM_CAPCO_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
      -->
<sch:pattern id="ISM-ID-00062" is-a="AttributeContributesToRollup">

      <sch:param name="attrLocalName" value="SCIcontrols"/>
      <sch:param name="value" value="TK"/>
      <sch:param name="errorMessage"
value="'[ISM-ID-00062][Error] USA documents
having TK data must have TK at the resource level.'"/>
      </sch:pattern>
```

2.31 - ./Rules/resourceElement/ISM_ID_00063.sch

Rule Description: ISM-ID-00063 [ISM-ID-00063][Error] If ISM_CAPCO_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute SCIcontrols containing a value of [HCS] then the ISM_RESOURCE_ELEMENT node's SCIcontrols must contain [HCS]. Human Readable: USA documents having HCS data must have HCS at the resource level.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM_CAPCO_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00063" is-a="AttributeContributesToRollup">

      <sch:param name="attrLocalName" value="SCIcontrols"/>
      <sch:param name="value" value="HCS"/>
      <sch:param name="errorMessage"
value="'[ISM-ID-00063][Error] USA documents
having HCS data must have HCS at the resource level.'"/>
</sch:pattern>
```

2.32 - ./Rules/resourceElement/ISM_ID_00064.sch

Rule Description: ISM-ID-00064 [ISM-ID-00064][Error] If ISM_CAPCO_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute FGIsourcesOpen containing any value then the ISM_RESOURCE_ELEMENT must have either FGIsourcesOpen or FGIsourcesProtected 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 CAPCO rules do not apply to the document then the rule does not apply and we return true. If the current element has attribute FGIsourcesOpen specified and does not have attribute excludeFromRollup set to true, then we make sure that the resourceElement has one of the following attributes specified: FGIsourcesOpen or FGIsourcesProtected.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00064">

      <sch:rule context="*[generate-id(.) = generate-
id($ISM_RESOURCE_ELEMENT)]">
      <sch:assert test="
if(not($ISM_CAPCO_RESOURCE)) then true() else
if(not(empty($partFGIsourcesOpen)))
($bannerFGIsourcesOpen
$bannerFGIsourcesProtected)
or
else true()
"
flag="error">
      [ISM-ID-00064][Error] USA documents having FGI Open data must
have FGI Open or FGI Protected at the resource level.
      </sch:assert>
      </sch:rule>
    </sch:pattern>
```

2.33 - ./Rules/resourceElement/ISM_ID_00065.sch

Rule Description: ISM-ID-00065 [ISM-ID-00065][Error] If ISM_CAPCO_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute FGIsourcedProtected containing any value then the ISM_RESOURCE_ELEMENT must have FGIsourcedProtected with a value. Human Readable: USA documents having FGI Protected data must have FGI Protected at the resource level.

Code Description: If CAPCO rules do not apply to the document then the rule does not apply and we return true. If any element has attribute FGIsourcedProtected specified with a non-empty value and does not have attribute excludeFromRollup set to true, then we make sure that the banner has attribute FGIsourcedProtected specified with a non-empty value.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00065">

      <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)                          and
not(empty($partFGIsourcedProtected))] ">
      <sch:assert test="@ism:FGIsourcedProtected" flag="error">
[ISM-ID-00065][Error] USA documents having FGI Protected data
must have FGI Protected at the resource level.
      </sch:assert>
      </sch:rule>
</sch:pattern>
```

2.34 - ./Rules/resourceElement/ISM_ID_00066.sch

Rule Description: ISM-ID-00066 [ISM-ID-00066][Error] If ISM_CAPCO_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute disseminationControls containing [FOUO] AND 2. ISM_RESOURCE_ELEMENT has the attribute classification [U] AND 3. No element meeting ISM_CONTRIBUTES in the document has nonICmarkings containing [SBU], [SBU-NF], [LES], [LES-NF] Then the ISM_RESOURCE_ELEMENT must have disseminationControls containing [FOUO]. Human Readable: USA Unclassified documents having FOUO data and not having SBU, SBU-NF, LES, or LES-NF must have FOUO at the resource level.

Code Description: If the document is an ISM_CAPCO_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], and no element meeting ISM_CONTRIBUTES specifies attribute ism:nonICmarkings with a value containing [SBU], [SBU-NF], [LES], or LES-NF], then we make sure that the ISM_RESOURCE_ELEMENT specifies attribute ism:disseminationControls with a value containing the token [FOUO].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00066">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)                          and index-
of($dcTagsFound,'FOUO') &gt; 0                                and
util:containsAnyOfTheTokens(@ism:classification,
('U'))                                                        and not($partNonICmarkings_tok = ('SBU', 'SBU-
NF', 'LES', 'LES-NF'))]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('FOUO'))"
    flag="error">
        [ISM-ID-00066][Error] USA Unclassified documents having FOUO data
and not having SBU, SBU-NF, LES, or LES-NF must have
        FOUO at the resource level.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.35 - `./Rules/resourceElement/ISM_ID_00067.sch`

Rule Description: ISM-ID-00067 [ISM-ID-00067][Error] If ISM_CAPCO_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute disseminationControls containing [OC] then the ISM_RESOURCE_ELEMENT must have 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_CAPCO_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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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>
```

2.36 - ./Rules/resourceElement/ISM_ID_00068.sch

Rule Description: ISM-ID-00068 [ISM-ID-00068][Error] If ISM_CAPCO_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute disseminationControls containing [IMC] then the ISM_RESOURCE_ELEMENT must have 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_CAPCO_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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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>
```

2.37 - ./Rules/resourceElement/ISM_ID_00070.sch

Rule Description: ISM-ID-00070 [ISM-ID-00070][Error] If ISM_CAPCO_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute disseminationControls containing [NF] then the ISM_RESOURCE_ELEMENT must have 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_CAPCO_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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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>
```

2.38 - `./Rules/resourceElement/ISM_ID_00071.sch`

Rule Description: ISM-ID-00071 [ISM-ID-00071][Error] If ISM_CAPCO_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute disseminationControls containing [PR] then the ISM_RESOURCE_ELEMENT must have 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_CAPCO_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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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>
```

2.39 - `./Rules/resourceElement/ISM_ID_00072.sch`

Rule Description: ISM-ID-00072 [ISM-ID-00072][Error] If ISM_CAPCO_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute atomicEnergyMarkings containing [RD] then the ISM_RESOURCE_ELEMENT must have 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_CAPCO_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code:

```
<?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-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>
```

2.40 - `./Rules/resourceElement/ISM_ID_00073.sch`

Rule Description: ISM-ID-00073 [ISM-ID-00073][Error] If ISM_CAPCO_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute atomicEnergyMarkings containing [RD-CNWDI] then the ISM_RESOURCE_ELEMENT must have 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_CAPCO_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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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>
```

2.41 - ./Rules/resourceElement/ISM_ID_00074.sch

Rule Description: ISM-ID-00074 [ISM-ID-00074][Error] If ISM_CAPCO_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute atomicEnergyMarkings containing [RD-SG-##] then the ISM_RESOURCE_ELEMENT must have 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 CAPCO rules do not apply to the document then the rule does not apply and we return true. We make sure that no element that does not have attribute excludeFromRollup set to true has attribute 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 atomicEnergyMarkings specified with a value containing [RD-SG-##].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00074">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($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">
            [ISM-ID-00074][Error] USA documents having Restricted SIGMA-##
Data must have the same Restricted SIGMA-## Data at the resource level.
        </sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.42 - `./Rules/resourceElement/ISM_ID_00075.sch`

Rule Description: ISM-ID-00075 [ISM-ID-00075][Error] If ISM_CAPCO_RESOURCE and any element meeting ISM_CONTRIBUTES in the document having the attribute atomicEnergyMarkings containing [FRD] and no elements meeting ISM_CONTRIBUTES having the attribute atomicEnergyMarkings containing [RD], then the ISM_RESOURCE_ELEMENT must have 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?><!-- Notices - Distribution Notice:
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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="exceptValue" 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>
```

2.43 - ./Rules/resourceElement/ISM_ID_00077.sch

Rule Description: ISM-ID-00077 [ISM-ID-00077][Error] If ISM_CAPCO_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute atomicEnergyMarkings containing [FRD-SG-##] and the ISM_RESOURCE_ELEMENT does not have atomicEnergyMarkings containing [RD], then the ISM_RESOURCE_ELEMENT must have 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 CAPCO rules do not apply to the document then the rule does not apply and we return true. We make sure that no element that does not have attribute excludeFromRollup set to true has attribute 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 atomicEnergyMarkings specified with a value containing [FRD-SG-##] or [RD] is specified on the ISM_RESOURCE_ELEMENT.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00077">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($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) &gt; 0"
            flag="error">
            [ISM-ID-00077][Error] 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>
```

2.44 - ./Rules/resourceElement/ISM_ID_00078.sch

Rule Description: ISM-ID-00078 [ISM-ID-00078][Error] If ISM_CAPCO_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 atomicEnergyMarkings containing [DCNI] then the ISM_RESOURCE_ELEMENT must have 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_CAPCO_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, then we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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>
```

2.45 - ./Rules/resourceElement/ISM_ID_00079.sch

Rule Description: ISM-ID-00079 [ISM-ID-00079][Error] If ISM_CAPCO_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 atomicEnergyMarkings containing [UCNI] then the ISM_RESOURCE_ELEMENT must have 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_CAPCO_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, then we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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>
```

2.46 - `./Rules/resourceElement/ISM_ID_00080.sch`

Rule Description: ISM-ID-00080 [ISM-ID-00080][Error] If ISM_CAPCO_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute disseminationControls containing [DSEN] then the ISM_RESOURCE_ELEMENT must have 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_CAPCO_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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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>
```

2.47 - `./Rules/resourceElement/ISM_ID_00081.sch`

Rule Description: ISM-ID-00081 [ISM-ID-00081][Error] If ISM_CAPCO_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute disseminationControls containing [FISA] then the ISM_RESOURCE_ELEMENT must have 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_CAPCO_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code:

```
<?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-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>
```

2.48 - `./Rules/resourceElement/ISM_ID_00084.sch`

Rule Description: ISM-ID-00084 [ISM-ID-00084][Error] If ISM_CAPCO_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute nonICmarkings containing [DS] then the ISM_RESOURCE_ELEMENT must have nonICmarkings containing [DS]. Human Readable: 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_CAPCO_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00084" is-a="AttributeContributesToRollup">

      <sch:param name="attrLocalName" value="nonICmarkings"/>
      <sch:param name="value" value="DS"/>
      <sch:param name="errorMessage"
value="'[ISM-ID-00084][Error] USA documents
having DS Data must have DS at the resource level.'"/>
</sch:pattern>
```

2.49 - ./Rules/resourceElement/ISM_ID_00085.sch

Rule Description: ISM-ID-00085 [ISM-ID-00085][Error] If ISM_CAPCO_RESOURCE and any element meeting ISM_CONTRIBUTES in the document has the attribute nonICmarkings containing [XD] and does not have any element meeting ISM_CONTRIBUTES in the document having the attribute nonICmarkings containing [ND] then the ISM_RESOURCE_ELEMENT must have nonICmarkings containing [XD]. Human Readable: USA documents having XD Data and not having ND must have XD at the resource level.

Code Description: If the document is an ISM_CAPCO_RESOURCE, the current element is the ISM_CAPCO_RESOURCE, any element meeting ISM_CONTRIBUTES specifies attribute ism:nonICmarkings with a value containing the token [XD], and no element meeting ISM_CONTRIBUTES specifies the attribute ism:nonICmarkings with a value containing the token [ND], then we make sure that the ISM_RESOURCE_ELEMENT specifies attribute ism:nonICmarkings with a value containing the token [XD].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00085">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)                          and index-
of($partNonICmarkings_tok, 'XD') &gt; 0                          and not(index-
of($partNonICmarkings_tok, 'ND')&gt;0)]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:nonICmarkings, ('XD'))" flag="error">
    [ISM-ID-00085][Error] USA documents having XD Data and not having
ND must have XD at the resource level.
    </sch:assert>
    </sch:rule>
    </sch:pattern>
```

2.50 - ./Rules/resourceElement/ISM_ID_00086.sch

Rule Description: ISM-ID-00086 [ISM-ID-00086][Error] If ISM_CAPCO_RESOURCE and any element in the document: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute nonICmarkings containing [ND] Then the ISM_RESOURCE_ELEMENT must have 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_CAPCO_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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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>
```

2.51 - ./Rules/resourceElement/ISM_ID_00087.sch

Rule Description: ISM-ID-00087 [ISM-ID-00087][Error] If ISM_CAPCO_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 nonICmarkings containing [SBU-NF] AND 3. One of the elements: Has the attribute classification NOT having a value of [U] Then the ISM_RESOURCE_ELEMENT must have disseminationControls containing [NF]. Human Readable: Classified USA documents having SBU-NF Data must have NF at the resource level.

Code Description: If CAPCO rules do not apply to the document then the rule does not apply and we return true. If any element has attribute nonICmarkings specified with a value containing [SBU-NF], does not have attribute excludeFromRollup set to true, and the resourceElement has attribute classification specified with a value other than [U], then we make sure that the resourceElement has attribute disseminationControls specified with a value containing [NF].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00087">

    <sch:rule context="*[generate-id(.) = generate-
id($ISM_RESOURCE_ELEMENT)]">
        <sch:assert test="
if(not($ISM_CAPCO_RESOURCE)) then true() else if(index-
of($partNonICmarkings_tok, 'SBU-NF') > 0 and if(index-
not($bannerClassification='U')) then (index-
of($bannerDisseminationControls_tok, 'NF') > 0) else
true()
"
flag="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>
```

2.52 - ./Rules/resourceElement/ISM_ID_00088.sch

Rule Description: ISM-ID-00088 [ISM-ID-00088][Error] If ISM_CAPCO_RESOURCE and releasableTo is specified on the resource element then all classified portions must specify 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 CAPCO rules apply to the document, we verify that all portions either have the attribute classification specified with a value of [U] and uncaveated or REL or classified portions of the document have the attribute releasableTo. Attribute releasableTo is only valid on an element if attribute 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 releasableTo appears on the banner but is not present on all classified portions.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00088">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT) and
@ism:releasableTo]">
        <sch:assert test="every $portion in $partTags
satisfies ( ($portion/@ism:classification='U'
and not($portion/
@ism:disseminationControls) ) or $portion/
@ism:releasableTo[normalize-space()] or not($portion/
@ism:classification) )"
flag="error">
            [ISM-ID-00088][Error] 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>
    <!-- not(util:containsAnyOfTheTokens($portion/
@ism:disseminationControls, ('NF')) or
        (util:containsAnyOfTheTokens($portion/
@ism:disseminationControls, ('DISPLAYONLY', 'RELIDO'))
        and not(util:containsAnyOfTheTokens($portion/
@ism:disseminationControls, ('REL'))))
-->
```

```
</sch:pattern>
```

2.53 - `./Rules/resourceElement/ISM_ID_00090.sch`

Rule Description: ISM-ID-00090 [ISM-ID-00090][Error] If ISM_CAPCO_RESOURCE and any element: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute disseminationControls containing [REL] Then the ISM_RESOURCE_ELEMENT must not have attribute 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], then we make sure 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?><!-- Notices - Distribution Notice:
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available for use without restriction.
      -->
<sch:pattern id="ISM-ID-00090">

      <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)                          and index-
of($partDisseminationControls_tok, 'REL') &gt; 0]">
      <sch:assert
test="not(util:containsAnyOfTheTokens(@ism:disseminationControls, ('EYES')))"
      flag="error">
      [ISM-ID-00090][Error] USA documents with any portion that is REL
must not be EYES at the resource level.
      </sch:assert>
      </sch:rule>
</sch:pattern>
```

2.54 - ./Rules/FGIsourceOpen/ISM_ID_00095.sch

Rule Description: ISM-ID-00095 [ISM-ID-00095][Error] If ISM_CAPCO_RESOURCE and attribute FGIsourceOpen is specified then each of its values must be ordered in accordance with CVEnumISMFGIOpen.xml.

Code Description: This rule uses an abstract pattern to consolidate logic. It verifies that the attribute ism:\$attrLocalName has values in the same order as the list \$cveTermList, which is defined in the main schematron file, ISM_XML.sch.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00095" is-a="ValuesOrderedAccordingToCve">

      <sch:param name="attrLocalName" value="FGIsourceOpen"/>
      <sch:param name="attrValueTokens"
value="tokenize(normalize-
space(string(@ism:FGIsourceOpen)), ' ')/>
      <sch:param name="cveTermList" value="$FGIsourceOpenList"/>
      <sch:param name="errorMessage"
value="'      [ISM-ID-00095][Error] If
ISM_CAPCO_RESOURCE and attribute FGIsourceOpen is      specified then each of
its values must be ordered in accordance with CVEnumISMFGIOpen.xml.      '/>
      </sch:pattern>
```

2.55 - `./Rules/FGIsourceProtected/ISM_ID_00096.sch`

Rule Description: ISM-ID-00096 [ISM-ID-00096][Error] If ISM_CAPCO_RESOURCE and attribute FGIsourceProtected is specified then each of its values must be ordered in accordance with CVEnumISMFGIProtected.xml.

Code Description: This rule uses an abstract pattern to consolidate logic. It verifies that the attribute `ism:$attrLocalName` has values in the same order as the list `$cveTermList`, which is defined in the main schematron file, `ISM_XML.sch`.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00096" is-a="ValuesOrderedAccordingToCve">

    <sch:param name="attrLocalName" value="FGIsourceProtected"/>
    <sch:param name="attrValueTokens"
        value="tokenize(normalize-
space(string(@ism:FGIsourceProtected)), ' ')" />
    <sch:param name="cveTermList"
value="$FGIsourceProtectedList" />
    <sch:param name="errorMessage"
        value=" [ISM-ID-00096][Error] If
ISM_CAPCO_RESOURCE and attribute FGIsourceProtected is specified then
each of its values must be ordered in accordance with
CVEnumISMFGIProtected.xml. " />
    </sch:pattern>
```

2.56 - `./Rules/FGIsourceProtected/ISM_ID_00097.sch`

Rule Description: ISM-ID-00097 [ISM-ID-00097][Warning] If ISM_CAPCO_RESOURCE and attribute 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-CAPCO-RESOURCE, for each element which specifies the attribute ism:FGIsourceProtected, we make sure that attribute ism:FGIsourceProtected contains only the token [FGI].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00097">

    <sch:rule context="*[$ISM_CAPCO_RESOURCE and
@ism:FGIsourceProtected]">
        <sch:assert test="normalize-space(string(./
@ism:FGIsourceProtected))='FGI' " flag="warning">
            [ISM-ID-00097][Warning] If ISM_CAPCO_RESOURCE and attribute
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>
```

2.57 - `./Rules/ownerProducer/ISM_ID_00099.sch`

Rule Description: ISM-ID-00099 [ISM-ID-00099][Error] If ISM_CAPCO_RESOURCE and attribute ownerProducer contains the token [FGI], then the token [FGI] must be the only value in attribute ownerProducer.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies attribute ism:ownerProducer with a value containing the token [FGI] we make sure that attribute ism:ownerProducer only contains a single token.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00099">

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

2.58 - `./Rules/ownerProducer/ISM_ID_00100.sch`

Rule Description: ISM-ID-00100 [ISM-ID-00100][Error] If ISM_CAPCO_RESOURCE and attribute ownerProducer is specified, then each of its values must be ordered in accordance with CVEnumISMOwnerProducer.xml.

Code Description: This rule uses an abstract pattern to consolidate logic. It verifies that the attribute ism:\$attrLocalName has values in the same order as the list \$cveTermList, which is defined in the main schematron file, ISM_XML.sch.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00100" is-a="ValuesOrderedAccordingToCve">

    <sch:param name="attrLocalName" value="ownerProducer"/>
    <sch:param name="attrValueTokens"
        value="tokenize(normalize-
space(string(@ism:ownerProducer)), ' ')/>
    <sch:param name="cveTermList" value="$ownerProducerList"/>
    <sch:param name="errorMessage"
        value="' [ISM-ID-00100][Error] If
ISM_CAPCO_RESOURCE and attribute ownerProducer is specified,
then each
of its values must be ordered in accordance with
CVEnumISMOwnerProducer.xml. '"/>
    </sch:pattern>
```

2.59 - `./Rules/generalConstraints/ISM_ID_00102.sch`

Rule Description: ISM-ID-00102 [ISM-ID-00102][Error] The attribute 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 edh:DESVersion is specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
    -->
<sch:pattern id="ISM-ID-00102">

    <sch:rule context="/">
        <sch:assert test="some $element in descendant-or-
self::node() satisfies $element/@ism:DESVersion"
            flag="error">
            [ISM-ID-00102][Error] The attribute
            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>
```

2.60 - `./Rules/generalConstraints/ISM_ID_00103.sch`

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

Code Description: For the document, we make sure that at least one element specifies attribute ism:resourceElement with a value of [true].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
    -->
<sch:pattern id="ISM-ID-00103">

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

2.61 - ./Rules/resourceElement/ISM_ID_00104.sch

Rule Description: ISM-ID-00104 [ISM-ID-00104][Error] If ISM_CAPCO_RESOURCE and any element in the document: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute nonICmarkings containing [SBU-NF] AND 3. The ISM_RESOURCE_ELEMENT has attribute classification equal to [U] Then the ISM_RESOURCE_ELEMENT must have nonICmarkings containing [SBU-NF]. Human Readable: Unclassified USA documents having SBU-NF must have SBU-NF at the resource level.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM_CAPCO_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, then we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code:

```
<?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-00104" is-
a="AttributeContributesToRollupWithClassification">

    <sch:param name="attrLocalName" value="nonICmarkings"/>
    <sch:param name="value" value="SBU-NF"/>
    <sch:param name="resourceElementClassification" value="U"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00104][Error] Unclassified USA
documents having SBU-NF must have SBU-NF at the resource level.'"/>
    </sch:pattern>
```

2.62 - ./Rules/resourceElement/ISM_ID_00105.sch

Rule Description: ISM-ID-00105 [ISM-ID-00105][Error] If ISM_CAPCO_RESOURCE and any element in the document: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute nonICmarkings containing [SBU] AND 3. No element meeting ISM_CONTRIBUTES in the document has nonICmarkings containing any of [SBU-NF] Then the ISM_RESOURCE_ELEMENT must have nonICmarkings containing [SBU]. Human Readable: USA documents having SBU and not having SBU-NF must have SBU at the resource level.

Code Description: If the document is an ISM_CAPCO_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], then we make sure that ISM_RESOURCE_ELEMENT specifies attribute ism:nonICmarkings with a value containing the token [SBU].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00105">

    <sch:rule context="*[$ISM_CAPCO_RESOURCE and generate-
id(.) = generate-id($ISM_RESOURCE_ELEMENT) and
$bannerClassification='U' and index-of($partNonICmarkings_tok, 'SBU')
&gt; 0 and not(index-of($partNonICmarkings_tok, 'SBU-NF') &gt; 0)]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:nonICmarkings, ('SBU'))" flag="error">
    [ISM-ID-00105][Error] USA Unclassified documents having SBU and not
having SBU-NF must have SBU at the resource level.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.63 - ./Rules/disseminationControls/ISM_ID_00107.sch

Rule Description: ISM-ID-00107 [ISM-ID-00107][Error] If ISM_CAPCO_RESOURCE and attribute disseminationControls contains the name token [IMC] then attribute 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-CAPCO-RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [IMC] we make sure that attribute ism:classification is not specified with a value of [TS] or [S].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00107">
    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:disseminationControls, ('IMC'))]">
        <sch:assert test="@ism:classification=('TS', 'S')"
flag="error">
            [ISM-ID-00107][Error] If ISM_CAPCO_RESOURCE and attribute
            disseminationControls contains the name token [IMC] then
            attribute
            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>
```

2.64 - ./Rules/resourceElement/ISM_ID_00108.sch

Rule Description: ISM-ID-00108 [ISM-ID-00108][Error] If ISM_CAPCO_RESOURCE and attribute classification of ISM_RESOURCE_ELEMENT has a value of [TS] and attribute compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a 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_CAPCO_RESOURCE and attribute \$attrLocalName of ISM_RESOURCE_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, then we make sure that at least one element meeting ISM_CONTRIBUTES specifies attribute \$attrLocalName with a value of [\$value].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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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>
```

2.65 - `./Rules/resourceElement/ISM_ID_00109.sch`

Rule Description: ISM-ID-00109 [ISM-ID-00109][Error] If ISM_CAPCO_RESOURCE and attribute classification of ISM_RESOURCE_ELEMENT has a value of [S] and attribute compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a 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_CAPCO_RESOURCE and attribute \$attrLocalName of ISM_RESOURCE_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, then we make sure that at least one element meeting ISM_CONTRIBUTES specifies attribute \$attrLocalName with a value of [\$value].

Schematron Code:

```
<?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-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>
```

2.66 - `./Rules/resourceElement/ISM_ID_00110.sch`

Rule Description: ISM-ID-00110 [ISM-ID-00110][Error] If ISM_CAPCO_RESOURCE and attribute classification of ISM_RESOURCE_ELEMENT has a value of [C] and attribute 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_CAPCO_RESOURCE and attribute \$attrLocalName of ISM_RESOURCE_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, then we make sure that at least one element meeting ISM_CONTRIBUTES specifies attribute \$attrLocalName with a value of [\$value].

Schematron Code:

```
<?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-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>
```

2.67 - `./Rules/resourceElement/ISM_ID_00111.sch`

Rule Description: ISM-ID-00111 [ISM-ID-00111][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols of ISM_RESOURCE_ELEMENT contains [SI] and attribute compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a SCIcontrols attribute containing [SI]. Human Readable: USA SI documents not using compilation must have SI data.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM_CAPCO_RESOURCE and attribute \$attrLocalName of ISM_RESOURCE_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, then we make sure that at least one element meeting ISM_CONTRIBUTES specifies attribute \$attrLocalName with a value of [\$value].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00111" is-a="NonCompilationDocumentRollup">

      <sch:param name="attrLocalName" value="SCIcontrols"/>
      <sch:param name="value" value="SI"/>
      <sch:param name="errorMessage"
        value="'[ISM-ID-00111][Error] USA SI documents
not using compilation must have SI data.'"/>
    </sch:pattern>
```

2.68 - `./Rules/resourceElement/ISM_ID_00112.sch`

Rule Description: ISM-ID-00112 [ISM-ID-00112][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols of ISM_RESOURCE_ELEMENT contains [SI-G] and attribute compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a SCIcontrols attribute containing [SI-G].
Human Readable: USA SI-G documents not using compilation must have SI-G data.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM_CAPCO_RESOURCE and attribute \$attrLocalName of ISM_RESOURCE_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, then we make sure that at least one element meeting ISM_CONTRIBUTES specifies attribute \$attrLocalName with a value of [\$value].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00112" is-a="NonCompilationDocumentRollup">

    <sch:param name="attrLocalName" value="SCIcontrols"/>
    <sch:param name="value" value="SI-G"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00112][Error] USA SI-G documents
not using compilation must have SI-G data.'"/>
    </sch:pattern>
```

2.69 - ./Rules/resourceElement/ISM_ID_00113.sch

Rule Description: ISM-ID-00113 [ISM-ID-00113][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols of ISM_RESOURCE_ELEMENT contains [TK] and attribute compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a SCIcontrols attribute containing [TK].
Human Readable: USA TK documents not using compilation must have TK data.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM_CAPCO_RESOURCE and attribute \$attrLocalName of ISM_RESOURCE_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, then we make sure that at least one element meeting ISM_CONTRIBUTES specifies attribute \$attrLocalName with a value of [\$value].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00113" is-a="NonCompilationDocumentRollup">

      <sch:param name="attrLocalName" value="SCIcontrols"/>
      <sch:param name="value" value="TK"/>
      <sch:param name="errorMessage"
        value="'[ISM-ID-00113][Error] USA TK documents
not using compilation must have TK data.'"/>
    </sch:pattern>
```

2.70 - ./Rules/resourceElement/ISM_ID_00116.sch

Rule Description: ISM-ID-00116 [ISM-ID-00116][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols of ISM_RESOURCE_ELEMENT contains [HCS] and attribute compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a SCIcontrols attribute containing [HCS].
Human Readable: USA HCS documents not using compilation must have HCS data.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM_CAPCO_RESOURCE and attribute \$attrLocalName of ISM_RESOURCE_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, then we make sure that at least one element meeting ISM_CONTRIBUTES specifies attribute \$attrLocalName with a value of [\$value].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00116" is-a="NonCompilationDocumentRollup">

      <sch:param name="attrLocalName" value="SCIcontrols"/>
      <sch:param name="value" value="HCS"/>
      <sch:param name="errorMessage"
value="'[ISM-ID-00116][Error] USA HCS documents
not using compilation must have HCS data.'"/>
      </sch:pattern>
```

2.71 - `./Rules/resourceElement/ISM_ID_00118.sch`

Rule Description: ISM-ID-00118 [ISM-ID-00118][Error] The first element in document order having resourceElement true must have createDate specified.

Code Description: We make sure that the resourceElement has attribute createDate specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00118">

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

2.72 - ./Rules/generalConstraints/ISM_ID_00119.sch

Rule Description: ISM-ID-00119 [ISM-ID-00119][Error] If ISM_CAPCO_RESOURCE and 1. attribute classification is not [U] AND 2. ISM_ICDOCUMENT_APPLIES AND 3. attribute excludeFromRollup is not true AND 4. Attribute disseminationControls must contain one or more of [DISPLAYONLY], [REL], [RELIDO], [EYES], or [NF] Human Readable: All classified NSI that claims compliance with ICD 710 must have an appropriate foreign disclosure or release marking.

Code Description: If CAPCO rules do not apply to the document, or ICDocument does not apply to the document, or the resource is unclassified, or excludeFromRollup is true, then the rule does not apply. Otherwise, we make sure that the attribute disseminationControls contains at least one of the values [DISPLAYONLY], [RELIDO], [REL], [EYES], or [NF].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00119">

    <sch:rule context="*[@ism:* except (@ism:pocType |
@ism:DESVersion | @ism:unregisteredNoticeType)
and $ISM_CAPCO_RESOURCE and
$ISM_ICDOCUMENT_APPLIES and
util:contributesToRollup(.) and
not(@ism:classification='U')]">
        <sch:assert
test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('DISPLAYONLY',
'RELIDO', 'REL', 'EYES', 'NF'))"
flag="error">
            [ISM-ID-00119][Error] If ISM_CAPCO_RESOURCE and
ISM_ICDOCUMENT_APPLIES
            and attribute classification is specified with a value other than
[U],
            then attribute disseminationControls must contain one or more of
the
            following named tokens: [DISPLAYONLY], [REL], [RELIDO], [EYES],
or [NF].

            Human Readable: All classified NSI that claims compliance with
ICD 710 must have an appropriate foreign disclosure or release
marking.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.73 - `./Rules/SARIdentifier/ISM_ID_00121.sch`

Rule Description: ISM-ID-00121 [ISM-ID-00121][Error] If ISM_CAPCO_RESOURCE and attribute SARIdentifier is specified, then each of its values must be ordered in accordance with CVEnumISMSAR.xml.

Code Description: This rule uses an abstract pattern to consolidate logic. It verifies that the attribute `ism:$attrLocalName` has values in the same order as the list `$cveTermList`, which is defined in the main schematron file, `ISM_XML.sch`.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00121" is-a="ValuesOrderedAccordingToCve">

    <sch:param name="attrLocalName" value="SARIdentifier"/>
    <sch:param name="attrValueTokens"
        value="tokenize(normalize-
space(string(@ism:SARIdentifier)), ' ')/>
    <sch:param name="cveTermList" value="$SARIdentifierList"/>
    <sch:param name="errorMessage"
        value="' [ISM-ID-00121][Error] If
ISM_CAPCO_RESOURCE and attribute SARIdentifier is specified, then each
of its values must be ordered in accordance with CVEnumISMSAR.xml.
'"/>

    </sch:pattern>
```

2.74 - ./Rules/SCIcontrols/ISM_ID_00122.sch

Rule Description: ISM-ID-00122 [ISM-ID-00122][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols contains the name token [KDK], then attribute classification must have a value of [TS] or [S]. Human Readable: A USA document with KLONDIKE data must be classified SECRET or TOP SECRET.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [KDK] we make sure that attribute ism:classification is specified with a value containing the token [TS] or [S].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00122">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('KDK'))]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S'))"
    flag="error">
    [ISM-ID-00122][Error] If ISM_CAPCO_RESOURCE and attribute
SCIcontrols
contains the name token [KDK], then attribute classification must
have
a value of [TS] or [S].

    Human Readable: A USA document with KLONDIKE data must be
classified SECRET or TOP SECRET.
</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.75 - ./Rules/SCIcontrols/ISM_ID_00123.sch

Rule Description: ISM-ID-00123 [ISM-ID-00123][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols contains the name token [KDK], then attribute disseminationControls must contain the name token [NF]. Human Readable: A USA document containing KLONDIKE data must also be marked for NO FOREIGN dissemination.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [KDK] we make sure that attribute ism:disseminationControls is specified with a value containing the token [NF].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00123">
    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('KDK'))]">
        <sch:assert
test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
        flag="error">
            [ISM-ID-00123][Error] If ISM_CAPCO_RESOURCE and attribute
SCIcontrols
            contains the name token [KDK], then attribute
disseminationControls
            must contain the name token [NF].
            Human Readable: A USA document containing KLONDIKE data must also
be
            marked for NO FOREIGN dissemination.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.76 - ./Rules/disseminationControls/ISM_ID_00124.sch

Rule Description: ISM-ID-00124 [ISM-ID-00124][Warning] If ISM_CAPCO_RESOURCE and 1. Attribute ownerProducer does not contain [USA]. AND 2. Attribute disseminationControls contains [RELIDO] Human Readable: RELIDO is not authorized for non-US portions.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [RELIDO] we make sure that attribute ism:ownerProducer is specified with a value containing [USA].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00124">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:disseminationControls, ('RELIDO'))]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:ownerProducer, ('USA'))"
flag="warning">
    [ISM-ID-00124][Warning] If ISM_CAPCO_RESOURCE and
    1. Attribute ownerProducer does not contain [USA].
    AND
    2. Attribute disseminationControls contains [RELIDO]

    Human Readable: RELIDO is not authorized for non-US portions.
</sch:assert>
    </sch:rule>
</sch:pattern>
```

2.77 - `./Rules/generalConstraints/ISM_ID_00125.sch`

Rule Description: ISM-ID-00125 [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?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00125">

    <sch:rule context="*[@ism:*]">
    <sch:assert test="every $attr in @ism:*
satisfies
    $attr[local-name() = $validAttributeList]"
    flag="error">
    <sch:value-of select="'
    [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>
```

2.78 - `./Rules/notice/ISM_ID_00127.sch`

Rule Description: ISM-ID-00127 [ISM-ID-00127][Error] If ISM_CAPCO_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute atomicEnergyMarkings containing [RD] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [RD] and does not have attribute 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-CAPCO-RESOURCE, for each element which meets ISM_CONTRIBUTES and specifies attribute ism:atomicEnergyMarkings with a value containing the token [RD], we make sure 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?><!-- Notices - Distribution Notice:
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    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:pattern>
```

2.79 - ./Rules/notice/ISM_ID_00128.sch

Rule Description: ISM-ID-00128 [ISM-ID-00128][Error] If ISM_CAPCO_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute atomicEnergyMarkings containing [FRD] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [FRD] and does not have attribute externalNotice with a value of [true] Human Readable: USA documents containing FRD data must also have a non-external FRD notice.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM-CAPCO-RESOURCE, for each element which meets ISM_CONTRIBUTES and specifies attribute ism:atomicEnergyMarkings with a value containing the token [FRD], we make sure that an element meeting ISM_CONTRIBUTES specifies attribute ism:noticeType with a value containing the token [FRD] and does not specify attribute ism:externalNotice with a value of [true].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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>
```

2.80 - `./Rules/notice/ISM_ID_00129.sch`

Rule Description: ISM-ID-00129 [ISM-ID-00129][Error] If ISM_CAPCO_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute disseminationControls containing [IMC] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [IMC] and does not have attribute externalNotice with a value of [true] Human Readable: USA documents containing IMC data must also have a non-external IMC notice.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM-CAPCO-RESOURCE, for each element which meets ISM_CONTRIBUTES and specifies attribute ism:disseminationControls with a value containing the token [IMC], we make sure that an element meeting ISM_CONTRIBUTES specifies attribute ism:noticeType with a value containing the token [IMC] and does not specify attribute ism:externalNotice with a value of [true].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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'"/>
</sch:pattern>
```

2.81 - `./Rules/notice/ISM_ID_00130.sch`

Rule Description: ISM-ID-00130 [ISM-ID-00130][Error] If ISM_CAPCO_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute disseminationControls containing [FISA] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [FISA] and does not have attribute 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-CAPCO-RESOURCE, for each element which meets ISM_CONTRIBUTES and specifies attribute ism:disseminationControls with a value containing the token [FISA], we make sure 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?><!-- Notices - Distribution Notice:
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    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:pattern>
```

2.82 - ./Rules/resourceElement/ISM_ID_00132.sch

Rule Description: ISM-ID-00132 [ISM-ID-00132][Error] If ISM_CAPCO_RESOURCE and the ISM_RESOURCE_ELEMENT has the attribute disseminationControls containing [RELIDO] then every element meeting ISM_CONTRIBUTES_CLASSIFIED in the document must have the attribute 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_CAPCO_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], then we make sure that every element meeting ISM_CONTRIBUTES_CLASSIFIED specifies attribute ism:disseminationControls with a value containing the token [RELIDO].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00132">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($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($ele/@ism:disseminationControls,
('REL','NF','DISPLAYONLY'))                                or not($ele/
@ism:classification)                                       )
true()                                                    else
util:containsAnyOfTheTokens($ele/@ism:disseminationControls, ('RELIDO'))"
                                flag="error">
        [ISM-ID-00132][Error] 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>
```

2.83 - `./Rules/declassException/ISM_ID_00133.sch`

Rule Description: ISM-ID-00133 [ISM-ID-00133][Error] If ISM_NSI_EO_APPLIES and attribute declassException is specified and contains the tokens [25X1-EO-12951], [50X1-HUM], or [50X2-WMD], then attribute declassDate or 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, or 50X2-WMD is specified.

Code Description: If ISM_NSI_EO_APPLIES, for each element which specifies ism:declassException with a value containing token [50X1-HUM], or [50X2-WMD] we make sure that attributes ism:declassDate and ism:declassEvent are NOT specified.

Schematron Code:

```
<?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-00133">
    <sch:rule context="*[$ISM_NSI_EO_APPLIES and
util:containsAnyOfTheTokens(@ism:declassException, ('25X1-EO-12951', '50X1-
HUM', '50X2-WMD'))]">
    <sch:assert test="not(@ism:declassDate or
@ism:declassEvent)" flag="error">
    [ISM-ID-00133][Error] If ISM_NSI_EO_APPLIES and attribute
declassException is specified and contains the tokens [25X1-
EO-12951],
    [50X1-HUM], or [50X2-WMD], then attribute declassDate or
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,
or
    50X2-WMD is specified.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.84 - `./Rules/notice/ISM_ID_00134.sch`

Rule Description: ISM-ID-00134 [ISM-ID-00134][Error] If ISM_CAPCO_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute nonICmarkings containing [DS] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [DS] and does not have attribute 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-CAPCO-RESOURCE, for each element which meets ISM_CONTRIBUTES and specifies attribute ism:nonICmarkings with a value containing the token [DS], we make sure 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?><!-- Notices - Distribution Notice:
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    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:pattern>
```

2.85 - `./Rules/notice/ISM_ID_00135.sch`

Rule Description: ISM-ID-00135 [ISM-ID-00135][Error] If ISM_CAPCO_RESOURCE and: 1. No element meeting ISM_CONTRIBUTES in the document has the attribute atomicEnergyMarkings containing [RD] AND 2. Any element meeting ISM_CONTRIBUTES in the document has the attribute 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-CAPCO-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], we make sure that an element meeting ISM_CONTRIBUTES specifies attribute ism:atomicEnergyMarkings with a value containing the token [RD].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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="dataTokenList"
value="$partAtomicEnergyMarkings_tok"/>
    </sch:pattern>
```

2.86 - `./Rules/notice/ISM_ID_00136.sch`

Rule Description: ISM-ID-00136 [ISM-ID-00136][Error] If ISM_CAPCO_RESOURCE and: 1. No element without `ism:excludeFromRollup=true()` in the document has the attribute `atomicEnergyMarkings` containing [FRD] AND 2. Any element without `ism:excludeFromRollup=true()` in the document has the attribute `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-CAPCO-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], we make sure that an element meeting ISM_CONTRIBUTES specifies attribute `ism:atomicEnergyMarkings` with a value containing the token [FRD].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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="dataTokenList"
value="$partAtomicEnergyMarkings_tok"/>
    </sch:pattern>
```

2.87 - `./Rules/notice/ISM_ID_00137.sch`

Rule Description: ISM-ID-00137 [ISM-ID-00137][Error] If ISM_CAPCO_RESOURCE and: 1. No element without `ism:excludeFromRollup=true()` in the document has the attribute `disseminationControls` containing [IMC] AND 2. Any element without `ism:excludeFromRollup=true()` in the document has the attribute `noticeType` containing [IMC] and not specifying 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-CAPCO-RESOURCE and any element meets ISM_CONTRIBUTES and specifies attribute `ism:noticeType` with a value containing the token [IMC] and not specifying attribute `ism:externalNotice` with a value of [true], we make sure that an element meeting ISM_CONTRIBUTES specifies attribute `ism:disseminationControls` with a value containing the token [IMC].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00137" is-a="NoticeHasCorrespondingData">

    <sch:param name="ruleId" value="'ISM-ID-00137'"/>
    <sch:param name="attrName"
value="'disseminationControls'"/>
    <sch:param name="dataType" value="'IMC'"/>
    <sch:param name="dataTokenList"
value="$partDisseminationControls_tok"/>
    </sch:pattern>
```

2.88 - `./Rules/notice/ISM_ID_00138.sch`

Rule Description: ISM-ID-00138 [ISM-ID-00138][Error] If ISM_CAPCO_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]. Human Readable: 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-CAPCO-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], we make sure that an element meeting ISM_CONTRIBUTES specifies attribute `ism:nonICmarkings` with a value containing the token [DS].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00138" is-a="NoticeHasCorrespondingData">

    <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>
```

2.89 - ./Rules/notice/ISM_ID_00139.sch

Rule Description: ISM-ID-00139 [ISM-ID-00139][Error] If ISM_CAPCO_RESOURCE and: 1. No element without `ism:excludeFromRollup=true()` in the document has the attribute `disseminationControls` 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 FISA data.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM-CAPCO-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], we make sure that an element meeting ISM_CONTRIBUTES specifies attribute `ism:disseminationControls` with a value containing the token [FISA].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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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'"/>
      <sch:param name="dataType" value="'FISA'"/>
      <sch:param name="dataTokenList"
value="$partDisseminationControls_tok"/>
      </sch:pattern>
```

2.90 - ./Rules/resourceElement/ISM_ID_00141.sch

Rule Description: ISM-ID-00141 [ISM-ID-00141][Error] If ISM_NSI_EO_APPLIES and 1. ISM_RESOURCE_ELEMENT attribute declassException does not have a value of [25X1-EO-12951], [50X1-HUM], or [50X2-WMD] AND 2. ISM_RESOURCE_ELEMENT attribute declassDate is not specified AND 3. ISM_RESOURCE_ELEMENT attribute declassEvent is not specified AND 4. ISM_RESOURCE_ELEMENT attribute atomicEnergyMarkings is not specified with a value of [RD] or [FRD] Human Readable: Documents under E.O. 13526 require declassDate or declassEvent unless 25X1-EO-12951, 50X1-HUM, 50X2-WMD, RD, FRD, 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 we make sure that attribute ism:declassDate is specified or attribute ism:declassEvent is specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00141">

    <sch:rule
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')))]">
    <!--and
not(util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD',
'FRD')))]">-->
    <sch:assert test="@ism:declassDate or @ism:declassEvent" flag="error">
    [ISM-ID-00141][Error] Documents under E.O. 13526 require
declassDate or declassEvent unless
    25X1-EO-12951, 50X1-HUM, 50X2-WMD, RD, FRD, AEA, NATO, or NATO-
AEA is specified.
    </sch:assert>
    </sch:rule>
    </sch:pattern>
```

2.91 - ./Rules/classification/ISM_ID_00142.sch

Rule Description: ISM-ID-00142 [ISM-ID-00142][Error] If ISM_NSI_EO_APPLIES and attribute classification has a value other than [U], then attribute classifiedBy or derivativelyClassifiedBy must be specified on the ISM_RESOURCE_ELEMENT. Human Readable: Classified data including DOE data requires either an original classifier or a derivative classifier be identified.

Code Description: If ISM_NSI_EO_APPLIES, for each element which specified attribute ism:classification with a value other than [U], we make sure that the ISM_RESOURCE_ELEMENT specifies attribute ism:classifiedBy or ism:derivativelyClassifiedBy.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
      -->
<sch:pattern id="ISM-ID-00142">

      <sch:rule context="*[$ISM_NSI_EO_APPLIES and
@ism:classification!='U']">
      <sch:assert test="$ISM_RESOURCE_ELEMENT/
@ism:classifiedBy
or $ISM_RESOURCE_ELEMENT/
@ism:derivativelyClassifiedBy"
      flag="error">
      [ISM-ID-00142][Error] Classified data including DOE data requires
either an original classifier or a derivative classifier be
identified.
      </sch:assert>
      </sch:rule>
      </sch:pattern>
```

2.92 - `./Rules/derivativelyClassifiedBy/ISM_ID_00143.sch`

Rule Description: ISM-ID-00143 [ISM-ID-00143][Error] If ISM_CAPCO_RESOURCE and attribute derivativelyClassifiedBy is specified, then attribute 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-CAPCO-RESOURCE, for each element which specifies attribute ism:derivativelyClassifiedBy we make sure that attribute ism:derivedFrom is specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00143">

    <sch:rule context="*[$ISM_CAPCO_RESOURCE and
@ism:derivativelyClassifiedBy]">
        <sch:assert test="@ism:derivedFrom" flag="error">
            [ISM-ID-00143][Error] If ISM_CAPCO_RESOURCE and attribute
            derivativelyClassifiedBy is specified, then attribute 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>
```

2.93 - `./Rules/resourceElement/ISM_ID_00145.sch`

Rule Description: ISM-ID-00145 [ISM-ID-00145][Error] If ISM_CAPCO_RESOURCE and any element in the document: 1. Meets ISM_CONTRIBUTES AND 2. Has the attribute nonICmarkings containing [LES] AND 3. No element meeting ISM_CONTRIBUTES in the document has nonICmarkings containing any of [LES-NF] Then the ISM_RESOURCE_ELEMENT must have 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_CAPCO_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 we make sure that ISM_RESOURCE_ELEMENT specifies attribute ism:nonICmarkings with a value containing the token [LES].

Schematron Code:

```
<?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-00145">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)                          and index-
of($partNonICmarkings_tok, 'LES') &gt; 0                       and
not(index-of($partNonICmarkings_tok, 'LES-NF') &gt; 0)]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:nonICmarkings, ('LES'))" flag="error">
    [ISM-ID-00145][Error] USA documents having LES and not having LES-
NF must have LES at the resource level.
    </sch:assert>
    </sch:rule>
    </sch:pattern>
```

2.94 - ./Rules/resourceElement/ISM_ID_00146.sch

Rule Description: ISM-ID-00146 [ISM-ID-00146][Error] If ISM_CAPCO_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 nonICmarkings containing [LES-NF] AND 3. One of the elements: meets ISM_CONTRIBUTES_CLASSIFIED Then the ISM_RESOURCE_ELEMENT must have disseminationControls containing [NF]. Human Readable: Classified USA documents having LES-NF Data must have NF at the resource level.

Code Description: If CAPCO rules do not apply to the document then the rule does not apply and we return true. If any element has attribute nonICmarkings specified with a value containing [LES-NF] and the resourceElement has attribute classification specified with a value other than [U], then we make sure that the resourceElement has attribute disseminationControls specified with a value containing [NF].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00146">

    <sch:rule context="*[generate-id(.) = generate-
id($ISM_RESOURCE_ELEMENT)]">
        <sch:assert test="
if(not($ISM_CAPCO_RESOURCE)) then true() else if(index-
of($partNonICmarkings_tok, 'LES-NF') > 0 and
not($bannerClassification='U')) then (index-
of($bannerDisseminationControls_tok, 'NF') > 0) else
true()
"
flag="error">
    [ISM-ID-00146][Error] Classified USA documents having LES-NF Data
    must have NF at the resource level.
    </sch:assert>
    </sch:rule>
    </sch:pattern>
```

2.95 - ./Rules/resourceElement/ISM_ID_00147.sch

Rule Description: ISM-ID-00147 [ISM-ID-00147][Error] If ISM_CAPCO_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 nonICmarkings containing [LES-NF] AND 3. One of the elements: meets ISM_CONTRIBUTES_CLASSIFIED Then the ISM_RESOURCE_ELEMENT must have nonICmarkings containing [LES]. Human Readable: Classified USA documents having LES-NF Data must have LES at the resource level.

Code Description: If CAPCO rules do not apply to the document then the rule does not apply and we return true. If any element has attribute nonICmarkings specified with a value containing [LES-NF] and the resourceElement has attribute classification specified with a value other than [U], then we make sure that the resourceElement has attribute nonICmarkings specified with a value containing [LES].

Schematron Code:

```
<?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-00147">

    <sch:rule context="*[generate-id(.) = generate-
id($ISM_RESOURCE_ELEMENT)]">
        <sch:assert test="
if(not($ISM_CAPCO_RESOURCE)) then true() else if(index-
of($partNonICmarkings_tok, 'LES-NF') > 0 and if(index-
not($bannerClassification='U')) then (index-
of($bannerNonICmarkings_tok, 'LES') > 0) else
true()
"
flag="error">
    [ISM-ID-00147][Error] Classified USA documents having LES-NF Data
    must have LES at the resource level.
    </sch:assert>
    </sch:rule>
    </sch:pattern>
```

2.96 - `./Rules/nonICmarkings/ISM_ID_00148.sch`

Rule Description: ISM-ID-00148 [ISM-ID-00148][Error] If ISM_CAPCO_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.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM-CAPCO-RESOURCE, for each element which has attribute ism:nonICmarkings specified with a value containing the token [LES] or [LES-NF], we make sure that attribute ism:nonICmarkings is not specified with a value containing both tokens [LES] and [LES-NF].

Schematron Code:

```
<?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-00148" is-a="MutuallyExclusiveAttributeValues">

    <sch:param name="context"
        value="*[$ISM_CAPCO_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_CAPCO_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>
```

2.97 - ./Rules/resourceElement/ISM_ID_00149.sch

Rule Description: ISM-ID-00149 [ISM-ID-00149][Error] If ISM_CAPCO_RESOURCE and 1. Any element in the document meets ISM_CONTRIBUTES in the document has the attribute nonICmarkings contain [LES-NF] AND 2. ISM_RESOURCE_ELEMENT has the attribute classification [U] THEN the ISM_RESOURCE_ELEMENT must have nonICmarkings containing [LES-NF] Human Readable: Unclassified USA documents having LES-NF must have LES-NF at the resource level.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM_CAPCO_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, then we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code:

```
<?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-00149" is-
a="AttributeContributesToRollupWithClassification">

    <sch:param name="attrLocalName" value="nonICmarkings"/>
    <sch:param name="value" value="LES-NF"/>
    <sch:param name="resourceElementClassification" value="U"/>
    <sch:param name="errorMessage"
        value="'[ISM-ID-00149][Error] Unclassified USA
documents having LES-NF data must have LES-NF at the resource level.'"/>
    </sch:pattern>
```

2.98 - ../Rules/notice/ISM_ID_00150.sch

Rule Description: ISM-ID-00150 [ISM-ID-00150][Error] If ISM_CAPCO_RESOURCE and: 1. Any element, other than ISM_RESOURCE_ELEMENT, meeting ISM_CONTRIBUTES in the document has the attribute nonICmarkings containing [LES] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [LES] Human Readable: USA documents containing LES data must also have an LES notice.

Code Description: If the document is an ISM-CAPCO-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], we make sure that an element meeting ISM_CONTRIBUTES specifies attribute ism:noticeType with a value containing the token [LES].

Schematron Code:

```
<?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-00150">

      <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and not(generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT))                        and
util:containsAnyOfTheTokens(@ism:nonICmarkings, ('LES'))]">
      <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">
      [ISM-ID-00150][Error] If ISM_CAPCO_RESOURCE and:
      1. Any element, other than ISM_RESOURCE_ELEMENT, meeting
ISM_CONTRIBUTES in the document has the attribute nonICmarkings containing
[LES]
      AND
      2. No element meeting ISM_CONTRIBUTES in the document has the attribute
noticeType containing [LES]

      Human Readable: USA documents containing LES data must also have an LES
notice.
      </sch:assert>
      </sch:rule>
    </sch:pattern>
```

2.99 - ../Rules/notice/ISM_ID_00151.sch

Rule Description: ISM-ID-00151 [ISM-ID-00151][Warning] If ISM_CAPCO_RESOURCE and: 1. No element without ism:excludeFromRollup=true() in the document has the attribute nonICmarkings containing [LES] AND 2. Any element without ism:excludeFromRollup=true() in the document has the attribute 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.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM-CAPCO-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], we make sure that an element meeting ISM_CONTRIBUTES specifies attribute ism:nonICmarkings with a value containing the token [LES].

Schematron Code:

```
<?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-00151" is-a="NoticeHasCorrespondingData">

    <sch:param name="ruleId" value="'ISM-ID-00151'"/>
    <sch:param name="attrName" value="'nonICmarkings'"/>
    <sch:param name="dataType" value="'LES'"/>
    <sch:param name="dataTokenList"
value="$partNonICmarkings_tok"/>
    </sch:pattern>
```

2.100 - `./Rules/notice/ISM_ID_00152.sch`

Rule Description: ISM-ID-00152 [ISM-ID-00152][Error] If ISM_CAPCO_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute nonICmarkings containing [LES-NF] AND 2. No element meeting ISM_CONTRIBUTES in the document has the attribute noticeType containing [LES-NF] and does not have attribute 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-CAPCO-RESOURCE, for each element which meets ISM_CONTRIBUTES and specifies attribute ism:nonICmarkings with a value containing the token [LES-NF], we make sure 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?><!-- Notices - Distribution Notice:
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    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:pattern>
```

2.101 - `./Rules/notice/ISM_ID_00153.sch`

Rule Description: ISM-ID-00153 [ISM-ID-00153][Error] If ISM_CAPCO_RESOURCE and: 1. No element without `ism:excludeFromRollup=true()` in the document has the attribute `nonICmarkings` containing [LES-NF] AND 2. Any element without `ism:excludeFromRollup=true()` in the document has the attribute `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-CAPCO-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], we make sure that an element meeting ISM_CONTRIBUTES specifies attribute `ism:nonICmarkings` with a value containing the token [LES-NF].

Schematron Code:

```
<?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-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="dataTokenList"
value="$partNonICmarkings_tok"/>
    </sch:pattern>
```

2.102 - `./Rules/resourceElement/ISM_ID_00154.sch`

Rule Description: ISM-ID-00154 [ISM-ID-00154][Error] If ISM_CAPCO_RESOURCE and 1. Attribute disseminationControls of ISM_RESOURCE_ELEMENT contains [FOUO] AND 2. Attribute compilationReason does not have a value then at least one element meeting ISM_CONTRIBUTES in the document must have a 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_CAPCO_RESOURCE and attribute \$attrLocalName of ISM_RESOURCE_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, then we make sure that at least one element meeting ISM_CONTRIBUTES specifies attribute \$attrLocalName with a value of [\$value].

Schematron Code:

```
<?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-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>
```

2.103 - `./Rules/resourceElement/ISM_ID_00155.sch`

Rule Description: ISM-ID-00155 [ISM-ID-00155][Error] If ISM_CAPCO_RESOURCE and 1. ISM_DoD5230_24_Applies AND 2. Attribute 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], [DoD-Dist-F], or [DoD-Dist-X] Human Readable: All USA documents that claim compliance with DoD5230.24 must have a distribution statement for the entire document.

Code Description: If the document is an ISM_CAPCO_RESOURCE, ISM_DOD5230_24_APPLIES, and the current element is the ISM_RESOURCE_ELEMENT, we make sure 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], [DoD-Dist-X].

Schematron Code:

```
<?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-00155">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                and
$ISM_DOD5230_24_APPLIES                and generate-id(.) = generate-
id($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', 'DoD-Dist-X'))"
                                flag="error">
        [ISM-ID-00155][Error] All USA documents that claim compliance
with DoD5230.24 must have a distribution statement
for the entire document.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.104 - `./Rules/notice/ISM_ID_00157.sch`

Rule Description: ISM-ID-00157 [ISM-ID-00157][Error] If ISM_CAPCO_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 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-CAPCO-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], we make sure that attribute ism:noticeReason is specified.

Schematron Code:

```
<?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-00157">

    <sch:rule
context="*[$ISM_CAPCO_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">
    [ISM-ID-00157][Error] If ISM_CAPCO_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 noticeReason is not specified.

    Human Readable: DoD distribution statements B, C, D , or E all
require a reason.
    </sch:assert>
    </sch:rule>
    </sch:pattern>
```

2.105 - `./Rules/notice/ISM_ID_00158.sch`

Rule Description: ISM-ID-00158 [ISM-ID-00158][Error] If ISM_CAPCO_RESOURCE and: 1. ISM_DoD5230_24_Applies AND 2. attribute classification of ISM_RESOURCE_ELEMENT is not [U] AND 3. A resource attribute notice 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 documents that claim compliance with DoD5230.24 must use one of DoD distribution statements B, C, D, E, or F.

Code Description: If the document is an ISM-CAPCO-RESOURCE and ISM_DOD5230_24_APPLIES and the attribute classification of ISM_RESOURCE_ELEMENT is not [U], then we make sure 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?><!-- 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
context="*[$ISM_CAPCO_RESOURCE                                and
$ISM_DOD5230_24_APPLIES                                and generate-id(.) = generate-
id($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">
        [ISM-ID-00158][Error] If ISM_CAPCO_RESOURCE and:
        1. ISM_DoD5230_24_Applies
        AND
        2. attribute classification of ISM_RESOURCE_ELEMENT is not [U]
        AND
        3. The resource attribute notice 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 documents that claim compliance
with DoD5230.24 must use one of DoD
distribution statements B, C, D, E, or F.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.106 - `./Rules/notice/ISM_ID_00159.sch`

Rule Description: ISM-ID-00159 [ISM-ID-00159][Error] If ISM_CAPCO_RESOURCE and: 1. attribute classification of ISM_RESOURCE_ELEMENT is not [U] AND 2. The attribute notice does contain [DoD-Dist-A] or has attribute 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-CAPCO-RESOURCE and the attribute classification of ISM_RESOURCE_ELEMENT is not [U], for each element which specifies attribute ism:noticeType we make sure 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?><!-- 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
context="*[$ISM_CAPCO_RESOURCE and
not($ISM_RESOURCE_ELEMENT/@ism:classification = 'U')]">
      <sch:assert
test="not(util:containsAnyOfTheTokens(@ism:noticeType, ('DoD-Dist-
A'))))
      or (@ism:externalNotice=true())"
      flag="error">
      [ISM-ID-00159][Error] If ISM_CAPCO_RESOURCE and:
1. attribute classification of ISM_RESOURCE_ELEMENT is not [U]
AND
2. The attribute notice does contains [DoD-Dist-A]
or has attribute externalNotice with a value of [true].
Human Readable: Distribution statement A (Public Release) is
forbidden on classified documents.
      </sch:assert>
      </sch:rule>
    </sch:pattern>
```

2.107 - `./Rules/notice/ISM_ID_00161.sch`

Rule Description: ISM-ID-00161 [ISM-ID-00161][Error] If ISM_CAPCO_RESOURCE and: 1. The attribute notice of ISM_RESOURCE_ELEMENT does contains [DoD-Dist-A] and does not have attribute externalNotice with a value of [true]. AND 2. attribute nonICmarkings contains any of [XD], [ND], [SBU], [SBU-NF], [LES], OR [LES-NF]. Human Readable: Distribution statement A (Public Release) is incompatible with [XD], [ND], [SBU], [SBU-NF], [LES], OR [LES-NF].

Code Description: If the document is an ISM-CAPCO-RESOURCE and the attribute noticeType of ISM_RESOURCE_ELEMENT contains the token [DoD-Dist-A] and does not have attribute externalNotice with a value of [true], for each element which specifies attribute ism:nonICmarkings we make sure that attribute ism:nonICmarkings does not contain any of the following tokens: [XD], [ND], [SBU], [SBU-NF], [LES], [LES-NF].

Schematron Code:

```
<?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-00161">

    <sch:rule context="*[$ISM_CAPCO_RESOURCE      and
(util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:noticeType, ('DoD-
Dist-A'))      and not (@ism:externalNotice=true()))">
    <sch:assert
test="not(util:containsAnyOfTheTokens(@ism:nonICmarkings, ('XD', 'ND', 'SBU',
'SBU-NF', 'LES', 'LES-NF')))"
    flag="error">
    [ISM-ID-00161][Error] Distribution statement A (Public Release)
is incompatible with [XD], [ND], [SBU], [SBU-NF], [LES], OR [LES-NF].
    </sch:assert>
    </sch:rule>
    </sch:pattern>
```

2.108 - `./Rules/resourceElement/ISM_ID_00162.sch`

Rule Description: ISM-ID-00162 [ISM-ID-00162][Error] If ISM_CAPCO_RESOURCE and 1. ISM_DoD5230_24_Applies AND 2. Attribute 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], [DoD-Dist-F], or [DoD-Dist-X] Human Readable: All USA documents that claim compliance with DoD5230.24 must have only 1 distribution statement for the entire document.

Code Description: If the document is an ISM_CAPCO_RESOURCE, ISM_DOD5230_24_APPLIES, and the current element is the ISM_RESOURCE_ELEMENT, we make sure that attribute 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], [DoD-Dist-F], or [DoD-Dist-X].

Schematron Code:

```
<?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-00162">

      <sch:rule
context="*[$ISM_CAPCO_RESOURCE                and
$ISM_DOD5230_24_APPLIES                and generate-id(.) = generate-
id($ISM_RESOURCE_ELEMENT)]">
      <sch:let name="matchingTokens"
      value="                for $token in
tokenize(normalize-space(string(@ism:noticeType)), ' ') return
if(matches($token, '^DoD-Dist-[ABCDEFX]$'))                then
$token                else null                "/>
      <sch:assert test="count($matchingTokens) &lt;= 1"
flag="error">
      [ISM-ID-00162][Error] All USA documents that claim compliance
with DoD5230.24 must have only 1 distribution statement
for the entire document.
</sch:assert>
      </sch:rule>
</sch:pattern>
```

2.109 - `./Rules/nonUSControls/ISM_ID_00163.sch`

Rule Description: ISM-ID-00163 [ISM-ID-00163][Error] If attribute nonUSControls exists the attribute ownerProducer must equal [NATO]. Human Readable: NATO is the only owner of classification markings for which nonUSControls are currently authorized.

Code Description: For each element which specifies attribute ism:nonUSControls, we make sure that attribute ism:nonUSControls is specified with a value of [NATO].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00163">

    <sch:rule context="*[@ism:nonUSControls]">
        <sch:assert test="normalize-
space(string(@ism:ownerProducer))='NATO' " flag="error">
    [ISM-ID-00163][Error] If attribute nonUSControls exists the
attribute
    ownerProducer must equal [NATO].

    Human Readable: NATO is the only owner of classification markings
    for which nonUSControls are currently authorized.
    </sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.110 - `./Rules/disseminationControls/ISM_ID_00164.sch`

Rule Description: ISM-ID-00164 [ISM-ID-00164][Error] If ISM_CAPCO_RESOURCE and attribute disseminationControls contains the name token [RS], then attribute 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-CAPCO-RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [RS] we make sure that attribute ism:classification is not specified with a value of [TS] or [S].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00164">
    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:disseminationControls, ('RS'))]">
        <sch:assert test="@ism:classification=('TS', 'S')"
flag="error">
            [ISM-ID-00164][Error] If ISM_CAPCO_RESOURCE and attribute
            disseminationControls contains the name token [RS],
            then attribute 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>
```

2.111 - `./Rules/resourceElement/ISM_ID_00165.sch`

Rule Description: ISM-ID-00165 [ISM-ID-00165][Error] If ISM_CAPCO_RESOURCE and any element meeting ISM_CONTRIBUTES in the document have the attribute disseminationControls containing [RS] then the ISM_RESOURCE_ELEMENT must have 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_CAPCO_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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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>
```

2.112 - `./Rules/generalConstraints/ISM_ID_00166.sch`

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

Code Description: For each element which specifies attribute `ism:classification`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?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-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:pattern>
```

2.113 - `./Rules/displayOnlyTo/ISM_ID_00167.sch`

Rule Description: ISM-ID-00167 [ISM-ID-00167][Error] If ISM_CAPCO_RESOURCE and attribute displayOnlyTo is specified, then each of its values must be ordered in accordance with CVEnumISMRelTo.xml.

Code Description: This rule uses an abstract pattern to consolidate logic. It verifies that the attribute ism:\$attrLocalName has values in the same order as the list \$cveTermList, which is defined in the main schematron file, ISM_XML.sch.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00167" is-a="ValuesOrderedAccordingToCve">

    <sch:param name="attrLocalName" value="displayOnlyTo"/>
    <sch:param name="attrValueTokens"
        value="tokenize(normalize-
space(string(@ism:displayOnlyTo)), ' ')/>
    <sch:param name="cveTermList" value="$displayOnlyToList"/>
    <sch:param name="errorMessage"
        value="' [ISM-ID-00167][Error] If
ISM_CAPCO_RESOURCE and attribute displayOnlyTo is specified,
then each
of its values must be ordered in accordance with CVEnumISMRelTo.xml. '"/>
    </sch:pattern>
```

2.114 - `./Rules/displayOnlyTo/ISM_ID_00168.sch`

Rule Description: ISM-ID-00168 [ISM-ID-00168][Error] If ISM_CAPCO_RESOURCE and attribute disseminationControls is not specified or is specified and does not contain the name token [DISPLAYONLY], then attribute 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-CAPCO-RESOURCE and attribute ism:disseminationControls does not contain the token [DISPLAYONLY], we make sure that the attribute ism:displayOnlyTo is not specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00168">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                and
not(util:containsAnyOfTheTokens(@ism:disseminationControls,
('DISPLAYONLY')))]">
    <sch:assert test="not(@ism:displayOnlyTo)" flag="error">
    [ISM-ID-00168][Error] If ISM_CAPCO_RESOURCE and attribute
disseminationControls is not specified or is specified and does
not contain the name token
    [DISPLAYONLY], then attribute 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>
```

2.115 - `./Rules/disseminationControls/ISM_ID_00169.sch`

Rule Description: ISM-ID-00169 [ISM-ID-00169][Error] If ISM_CAPCO_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.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM-CAPCO-RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [DISPLAYONLY], [RELIDO] or [NF], we make sure that attribute ism:disseminationControls is specified with a value containing only one of the tokens [DISPLAYONLY], [RELIDO] or [NF].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00169" is-a="MutuallyExclusiveAttributeValues">

      <sch:param name="context"

value="*[$ISM_CAPCO_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_CAPCO_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>
```

2.116 - `./Rules/generalConstraints/ISM_ID_00170.sch`

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

Code Description: For each element which specifies attribute `ism:classification`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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:pattern>
```

2.117 - `./Rules/atomicEnergyMarkings/ISM_ID_00173.sch`

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

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing a token starting with [RD-SG] or [FRD-SG], we make sure that the attribute ism:classification has a value of [TS], [S], or [C].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00173">

      <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyTokenMatching(@ism:atomicEnergyMarkings, ('^RD-SG', '^FRD-
SG'))]">
      <sch:assert test="@ism:classification =
('TS','S','C')" flag="error">
      [ISM-ID-00173][Error] If ISM_CAPCO_RESOURCE and attribute
atomicEnergyMarkings contains a name token starting with
[RD-SG] or [FRD-SG], then attribute classification must
have a value of [TS], [S], or [C].

      Human Readable: Portions in a USA document that contain RD or FRD
SIGMA
data must be marked CONFIDENTIAL, SECRET, or TOP SECRET.
</sch:assert>
      </sch:rule>
</sch:pattern>
```

2.118 - `./Rules/atomicEnergyMarkings/ISM_ID_00174.sch`

Rule Description: ISM-ID-00174 [ISM-ID-00174][Error] If ISM_CAPCO_RESOURCE and attribute atomicEnergyMarkings contains the name token [RD], [FRD], or [TFNI], then attribute 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-CAPCO-RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing the token [RD], [FRD], or [TFNI], we make sure that the attribute ism:classification has a value of [TS], [S], or [C].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00174">
    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD', 'FRD',
'TFNI'))]">
        <sch:assert test="@ism:classification =
('TS','S','C')" flag="error">
            [ISM-ID-00174][Error] If ISM_CAPCO_RESOURCE and attribute
            atomicEnergyMarkings contains the name token [RD], [FRD], or [TFNI],
            then attribute 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>
```

2.119 - `./Rules/atomicEnergyMarkings/ISM_ID_00175.sch`

Rule Description: ISM-ID-00175 [ISM-ID-00175][Error] If ISM_CAPCO_RESOURCE and attribute atomicEnergyMarkings contains the name token [RD-CNWDI], then attribute classification must have a value of [TS] or [S].

Code Description: If the document is an ISM-CAPCO-RESORUCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing the token [RD-CNWDI], we make sure that the attribute ism:classification has a value of [TS] or [S].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00175">

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

2.120 - `./Rules/atomicEnergyMarkings/ISM_ID_00176.sch`

Rule Description: ISM-ID-00176 [ISM-ID-00176][Error] If ISM_CAPCO_RESOURCE and attribute atomicEnergyMarkings has a name token containing [RD] or [FRD], then attributes declassDate and 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-CAPCO-RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing the token [RD] or [FRD], we make sure that the resourceElement does not have attributes ism:declassDate or ism:declassEvent specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00176">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD', 'FRD'))]">
    <sch:assert test="not($ISM_RESOURCE_ELEMENT/
@ism:declassDate or $ISM_RESOURCE_ELEMENT/@ism:declassEvent)"
    flag="error">
        [ISM-ID-00176][Error] 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>
```

2.121 - `./Rules/atomicEnergyMarkings/ISM_ID_00178.sch`

Rule Description: ISM-ID-00178 [ISM-ID-00178][Error] If ISM_CAPCO_RESOURCE and attribute atomicEnergyMarkings is specified, then each of its values must be ordered in accordance with CVEnumISMAAtomicEnergyMarkings.xml.

Code Description: This rule uses an abstract pattern to consolidate logic. It verifies that the attribute `ism:$attrLocalName` has values in the same order as the list `$cveTermList`, which is defined in the main schematron file, ISM_XML.sch.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00178" is-a="ValuesOrderedAccordingToCve">

    <sch:param name="attrLocalName"
value="atomicEnergyMarkings"/>
    <sch:param name="attrValueTokens"
    value="tokenize(normalize-
space(string(@ism:atomicEnergyMarkings)), ' ')/>
    <sch:param name="cveTermList"
value="$atomicEnergyMarkingsList"/>
    <sch:param name="errorMessage"
    value=" ' [ISM-ID-00178][Error] If
ISM_CAPCO_RESOURCE and attribute atomicEnergyMarkings is specified, then
each of its values must be ordered in accordance with
CVEnumISMAAtomicEnergyMarkings.xml. ' "/>
    </sch:pattern>
```

2.122 - `./Rules/generalConstraints/ISM_ID_00179.sch`

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

Code Description: For each element which specifies attribute `ism:disseminationControls`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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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="CVEEnumISMDissem" />
</sch:pattern>
```

2.123 - `./Rules/generalConstraints/ISM_ID_00180.sch`

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

Code Description: For each element which specifies attribute `ism:disseminationControls`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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="CVEEnumISMDissem" />
</sch:pattern>
```

2.124 - `./Rules/atomicEnergyMarkings/ISM_ID_00181.sch`

Rule Description: ISM-ID-00181 [ISM-ID-00181][Error] If ISM_CAPCO_RESOURCE and element's classification does not have a value of "U" then attribute 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-CAPCO-RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified and has attribute ism:classification specified with a value other than [U], we make sure that attribute ism:atomicEnergyMarkings does not contain the token [UCNI] or [DNCI].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00181">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                and
@ism:atomicEnergyMarkings                    and
not(@ism:classification='U')]">
    <sch:assert
test="not(util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('UCNI',
'DCNI')))"
    flag="error">
    [ISM-ID-00181][Error] If ISM_CAPCO_RESOURCE and element's
    classification does not have a value of "U" then attribute
    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>
```

2.125 - `./Rules/atomicEnergyMarkings/ISM_ID_00183.sch`

Rule Description: ISM-ID-00183 [ISM-ID-00183][Error] If ISM_CAPCO_RESOURCE and attribute 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-CAPCO-RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing a token starting with [RD-SG], we make sure that attribute ism:atomicEnergyMarkings also contains the token [RD].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00183">

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

2.126 - `./Rules/atomicEnergyMarkings/ISM_ID_00184.sch`

Rule Description: ISM-ID-00184 [ISM-ID-00184][Error] If ISM_CAPCO_RESOURCE and attribute 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-CAPCO-RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing a token starting with [FRD-SG], we make sure that attribute ism:atomicEnergyMarkings also contains the token [FRD].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00184">

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

2.127 - `./Rules/atomicEnergyMarkings/ISM_ID_00185.sch`

Rule Description: ISM-ID-00185 [ISM-ID-00185][Error] If ISM_CAPCO_RESOURCE and attribute atomicEnergyMarkings contains the name token [RD-CNWDI], then it must also contain the name token [RD].

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing the token [RD-CNWDI], we make sure that attribute ism:atomicEnergyMarkings also contains the token [RD].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00185">

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

2.128 - `./Rules/SCIcontrols/ISM_ID_00186.sch`

Rule Description: ISM-ID-00186 [ISM-ID-00186][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols contains a token matching [SI-G-XXXX], where X is represented by the regular expression character class [A-Z]{4}, then it must also contain the name token [SI-G].
 Human Readable: A USA document that contains Special Intelligence (SI) GAMMA sub-compartments must also specify that it contains SI-GAMMA compartment data.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing a token matching [SI-G-XXXX], where X is represented by the regular expression character class [A-Z]{4}, we make sure that attribute ism:SCIcontrols is specified with a value containing the token [SI-G].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00186">

      <sch:rule
context="*[$ISM_CAPCO_RESOURCE          and
util:containsAnyTokenMatching(@ism:SCIcontrols, ('^SI-G-[A-Z]{4}$'))]">
      <sch:assert
test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('SI-G'))" flag="error">
      [ISM-ID-00186][Error] If ISM_CAPCO_RESOURCE and attribute
SCIcontrols contains a token matching [SI-G-XXXX],
      where X is represented by the regular expression character class [A-
Z]{4}, then it must also contain the
      name token [SI-G].

      Human Readable: A USA document that contains Special Intelligence
(SI) GAMMA sub-compartments must
      also specify that it contains SI-GAMMA compartment data.
</sch:assert>
      </sch:rule>
</sch:pattern>
```

2.129 - `./Rules/SCIcontrols/ISM_ID_00187.sch`

Rule Description: ISM-ID-00187 [ISM-ID-00187][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols contains the name token [SI-G], then it must also contain the name token [SI]. Human Readable: A USA document that contains Special Intelligence (SI) -GAMMA compartment data must also specify that it contains SI data.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [SI-G] we make sure that attribute ism:SCIcontrols is specified with a value containing the token [SI].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00187">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('SI-G'))]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('SI'))" flag="error">
    [ISM-ID-00187][Error] If ISM_CAPCO_RESOURCE and attribute
    SCIcontrols contains the name token [SI-G],
    then it must also contain the name token [SI].

    Human Readable: A USA document that contains Special Intelligence
    (SI) -GAMMA compartment data must also specify that
    it contains SI data.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.130 - `./Rules/generalConstraints/ISM_ID_00188.sch`

Rule Description: ISM-ID-00188 [ISM-ID-00188][Warning] Attribute FGIsorceOpen should not contain any value which will be deprecated.

Code Description: For each element which specifies attribute `ism:FGIsorceOpen`, we make sure that the value of `ism:FGIsorceOpen` has not been deprecated. This is indicated in the CVE file by an attribute (`@deprecated`) on the term element for that `FGIsorceOpen` value. If the date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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:FGIsorceOpen]"/>
    <sch:param name="attrName" value="FGIsorceOpen"/>
    <sch:param name="cveName" value="CVENumISMFGIOpen"/>
</sch:pattern>
```

2.131 - `./Rules/generalConstraints/ISM_ID_00189.sch`

Rule Description: ISM-ID-00189 [ISM-ID-00189][Error] Attribute FGIsorceOpen must not contain values that have passed their deprecation date.

Code Description: For each element which specifies attribute `ism:FGIsorceOpen`, we make sure that the value of `ism:FGIsorceOpen` has not been deprecated. This is indicated in the CVE file by an attribute (`@deprecated`) on the term element for that `FGIsorceOpen` value. If the date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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:FGIsorceOpen]"/>
    <sch:param name="attrName" value="FGIsorceOpen"/>
    <sch:param name="cveName" value="CVEEnumISMFGIOpen"/>
</sch:pattern>
```

2.132 - `./Rules/generalConstraints/ISM_ID_00190.sch`

Rule Description: ISM-ID-00190 [ISM-ID-00190][Warning] Attribute FGIsorceProtected should not contain any values which will be deprecated.

Code Description: For each element which specifies attribute `ism:FGIsorceProtected`, we make sure that the value of `ism:FGIsorceProtected` has not been deprecated. This is indicated in the CVE file by an attribute (`@deprecated`) on the term element for that `FGIsorceProtected` value. If the date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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:FGIsorceProtected]"/>
    <sch:param name="attrName" value="FGIsorceProtected"/>
    <sch:param name="cveName" value="CVENumISMFGIProtected"/>
</sch:pattern>
```

2.133 - `./Rules/generalConstraints/ISM_ID_00191.sch`

Rule Description: ISM-ID-00191 [ISM-ID-00191][Error] Attribute FGIsorceProtected must not contain any values which have passed their deprecation date.

Code Description: For each element which specifies attribute `ism:FGIsorceProtected`, we make sure that the value of `ism:FGIsorceProtected` has not been deprecated. This is indicated in the CVE file by an attribute (`@deprecated`) on the term element for that `FGIsorceProtected` value. If the date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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:FGIsorceProtected]"/>
    <sch:param name="attrName" value="FGIsorceProtected"/>
    <sch:param name="cveName" value="CVENumISMFGIProtected"/>
</sch:pattern>
```

2.134 - `./Rules/generalConstraints/ISM_ID_00192.sch`

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

Code Description: For each element which specifies attribute `ism:nonICmarkings`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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="CVEEnumISMNonIC"/>
</sch:pattern>
```

2.135 - `./Rules/generalConstraints/ISM_ID_00193.sch`

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

Code Description: For each element which specifies attribute `ism:nonICmarkings`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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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="CVEEnumISMNonIC"/>
</sch:pattern>
```

2.136 - `./Rules/generalConstraints/ISM_ID_00194.sch`

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

Code Description: For each element which specifies attribute `ism:noticeType`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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:pattern>
```

2.137 - `./Rules/generalConstraints/ISM_ID_00195.sch`

Rule Description: ISM-ID-00195 [ISM-ID-00195][Error] Attribute noticeType must not contain values which have passed their deprecation date.

Code Description: For each element which specifies attribute `ism:noticeType`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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:pattern>
```

2.138 - `./Rules/generalConstraints/ISM_ID_00196.sch`

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

Code Description: For each element which specifies attribute `ism:ownerProducer`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?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-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="CVEnumISMOwnerProducer"/>
    </sch:pattern>
```

2.139 - `./Rules/generalConstraints/ISM_ID_00197.sch`

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

Code Description: For each element which specifies attribute `ism:ownerProducer`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?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-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="CVEnumISMOwnerProducer"/>
    </sch:pattern>
```

2.140 - `./Rules/generalConstraints/ISM_ID_00198.sch`

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

Code Description: For each element which specifies attribute `ism:releasableTo`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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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="CVEnumISMRelTo"/>
</sch:pattern>
```

2.141 - `./Rules/generalConstraints/ISM_ID_00199.sch`

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

Code Description: For each element which specifies attribute `ism:releasableTo`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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="CVEnumISMRelTo"/>
</sch:pattern>
```

2.142 - `./Rules/generalConstraints/ISM_ID_00200.sch`

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

Code Description: For each element which specifies attribute `ism:displayOnlyTo`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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="CGLenumISMRelTo"/>
</sch:pattern>
```

2.143 - `./Rules/generalConstraints/ISM_ID_00201.sch`

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

Code Description: For each element which specifies attribute `ism:displayOnlyTo`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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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="CVEnumISMRelTo"/>
</sch:pattern>
```

2.144 - `./Rules/generalConstraints/ISM_ID_00202.sch`

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

Code Description: For each element which specifies attribute `ism:SARIdentifier`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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="CVEEnumISMSAR"/>
</sch:pattern>
```

2.145 - `./Rules/generalConstraints/ISM_ID_00203.sch`

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

Code Description: For each element which specifies attribute `ism:SARIdentifier`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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="CVEEnumISMSAR"/>
</sch:pattern>
```

2.146 - `./Rules/generalConstraints/ISM_ID_00204.sch`

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

Code Description: For each element which specifies attribute `ism:SCIcontrols`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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:pattern>
```

2.147 - `./Rules/generalConstraints/ISM_ID_00205.sch`

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

Code Description: For each element which specifies attribute `ism:SCIcontrols`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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:pattern>
```

2.148 - `./Rules/generalConstraints/ISM_ID_00206.sch`

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

Code Description: For each element which specifies attribute `ism:declassException`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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="CVEEnumISM25X"/>
</sch:pattern>
```

2.149 - `./Rules/generalConstraints/ISM_ID_00207.sch`

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

Code Description: For each element which specifies attribute `ism:declassException`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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:pattern>
```

2.150 - `./Rules/generalConstraints/ISM_ID_00208.sch`

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

Code Description: For each element which specifies attribute `ism:atomicEnergyMarkings`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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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:pattern>
```

2.151 - `./Rules/generalConstraints/ISM_ID_00209.sch`

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

Code Description: For each element which specifies attribute `ism:atomicEnergyMarkings`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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:pattern>
```

2.152 - `./Rules/generalConstraints/ISM_ID_00210.sch`

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

Code Description: For each element which specifies attribute `ism:nonUSControls`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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:pattern>
```

2.153 - `./Rules/generalConstraints/ISM_ID_00211.sch`

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

Code Description: For each element which specifies attribute `ism:nonUSControls`, we make sure 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 date value in `@deprecated` is in the future, then a deprecation warning will be given. If the date value has already occurred, then a deprecation error will be given.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    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:pattern>
```

2.154 - `./Rules/disseminationControls/ISM_ID_00213.sch`

Rule Description: ISM-ID-00213 [ISM-ID-00213][Error] If ISM_CAPCO_RESOURCE and attribute disseminationControls contains the name token [DISPLAYONLY], then attribute 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-CAPCO-RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [DISPLAYONLY] we make sure that attribute ism:displayOnlyTo is specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00213">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
util:containsAnyOfTheTokens(@ism:disseminationControls, ('DISPLAYONLY'))]">
    <sch:assert test="@ism:displayOnlyTo" flag="error">
    [ISM-ID-00213][Error] If ISM_CAPCO_RESOURCE and attribute
    disseminationControls contains the name token [DISPLAYONLY], then
    attribute 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>
```

2.155 - `./Rules/releasableTo/ISM_ID_00214.sch`

Rule Description: ISM-ID-00214 [ISM-ID-00214][Error] If ISM_CAPCO_RESOURCE then attribute releasableTo must start with [USA].

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies attribute releasableTo we make sure that attribute releasableTo is specified with a value that starts with the token [USA].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00214">

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

2.156 - `./Rules/FGIsourceProtected/ISM_ID_00217.sch`

Rule Description: ISM-ID-00217 [ISM-ID-00217][Error] If ISM_CAPCO_RESOURCE attribute FGIsourceProtected contains [FGI], it must be the only value.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies the attribute ism:FGIsourceProtected, we make sure that attribute ism:FGIsourceProtected contains only the token [FGI].

Schematron Code:

```
<?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-00217">

    <sch:rule context="*[$ISM_CAPCO_RESOURCE and
@ism:FGIsourceProtected]">
        <sch:assert test="normalize-
space(string(@ism:FGIsourceProtected))='FGI'" flag="error">
            [ISM-ID-00217][Error] If ISM_CAPCO_RESOURCE attribute
FGIsourceProtected
            contains [FGI], it must be the only value.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.157 - `./Rules/ownerProducer/ISM_ID_00219.sch`

Rule Description: ISM-ID-00219 [ISM-ID-00219][Error] If element meets ISM_CONTRIBUTES and attribute ownerProducer contains the token [FGI], then attribute 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], we make sure that attribute ism:FGIsourceProtected is specified with a value containing the token [FGI].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00219">

      <sch:rule 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">
      [ISM-ID-00219][Error] If element meets ISM_CONTRIBUTES and
attribute
      ownerProducer contains the token [FGI], then attribute
      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>
```

2.158 - `./Rules/derivativelyClassifiedBy/ISM_ID_00221.sch`

Rule Description: ISM-ID-00221 [ISM-ID-00221][Error] If ISM_CAPCO_RESOURCE and attribute derivativelyClassifiedBy is specified, then attribute classificationReason must not be specified. Human Readable: USA documents that are derivatively classified must not specify a classification reason.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies attribute ism:derivativelyClassifiedBy we make sure that attribute ism:classificationReason is NOT specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00221">

    <sch:rule context="*[$ISM_CAPCO_RESOURCE and
@ism:derivativelyClassifiedBy]">
        <sch:assert test="not(@ism:classificationReason)"
flag="error">
            [ISM-ID-00221][Error] If ISM_CAPCO_RESOURCE and attribute
            derivativelyClassifiedBy is specified, then attribute
classificationReason
            must not be specified.

            Human Readable: USA documents that are derivatively classified
must not
            specify a classification reason.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.159 - `./Rules/compliesWith/ISM_ID_00222.sch`

Rule Description: ISM-ID-00222 [ISM-ID-00222][Error] If ISM_INTELREPORT_APPLIES, then attribute pocType must be specified with a value of [ICD-710] on some element in the document. Human Readable: A document claiming compliance with ICD-710 must specify a point-of-contact to whom questions about the document can be directed.

Code Description: If ISM_INTELREPORT_APPLIES, then ensure that some element specifies attribute ism:pocType with a value of [ICD-710].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00222">

    <sch:rule context="/*[$ISM_INTELREPORT_APPLIES]">
        <sch:assert test="index-of($partPocType_tok, 'ICD-710')
&gt; 0" flag="error">
            [ISM-ID-00222][Error] If ISM_INTELREPORT_APPLIES, then attribute
pocType
            must be specified with a value of [ICD-710] on some element in the
document.

            Human Readable: A document claiming compliance with ICD-710 must
specify
            a point-of-contact to whom questions about the document can be
directed.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.160 - `./Rules/generalConstraints/ISM_ID_00223.sch`

Rule Description: ISM-ID-00223 [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?><!-- Notices - Distribution Notice:
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    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>
```

2.161 - `./Rules/nonICmarkings/ISM_ID_00225.sch`

Rule Description: ISM-ID-00225 [ISM-ID-00225][Error] If ISM-ICDOCUMENT-APPLIES, then attribute 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 claim compliance with IC rules.

Code Description: If ISM_ICDOCUMENT_APPLIES, for each element which has attribute ism:nonICmarkings specified, we make sure that attribute ism:nonICmarkings is not specified with a value containing a token which starts with [ACCM] or [NNPI].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
    -->
<sch:pattern id="ISM-ID-00225">

    <sch:rule context="*[$ISM_ICDOCUMENT_APPLIES and
@ism:nonICmarkings]">
    <sch:assert
test="not(util:containsAnyTokenMatching(@ism:nonICmarkings, ('ACCM',
'NNPI')))"
    flag="error">
    [ISM-ID-00225][Error] If ISM-ICDOCUMENT-APPLIES, then attribute
name
    nonICmarkings must not be specified with a value containing any
    token starting with [ACCM] or [NNPI].

    Human Readable: ACCM and NNPI tokens are not valid for documents
that claim
    compliance with IC rules.
    </sch:assert>
    </sch:rule>
    </sch:pattern>
```

2.162 - `./Rules/generalConstraints/ISM_ID_00226.sch`

Rule Description: ISM-ID-00226 [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, we make sure that `ism:unregisteredNoticeType` is not specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00226">

    <sch:rule context="*[@ism:noticeType]">
        <sch:assert flag="error"
test="not(@ism:unregisteredNoticeType)">
            [ISM-ID-00226][Error]
            @ism:noticeType and @ism:unregisteredNoticeType may not both be
            applied to the same element.

            Human Readable: The ISM attributes noticeType and
unregisteredNoticeType
            are mutually exclusive and cannot both be applied to the same
            element.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.163 - `./Rules/resourceElement/ISM_ID_00227.sch`

Rule Description: ISM-ID-00227 [ISM-ID-00227][Error] Attribute @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 [DoD-Dist-X]. 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, we make sure 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 [DoD-Dist-X] by using a regular expression.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00227">

    <sch:rule 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-[ABCDEFX]')"
                                flag="error">
            [ISM-ID-00227][Error] Attribute @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 [DoD-
Dist-X].

            Human Readable: Documents may only specify a document-level
notice if
            it pertains to DoD Distribution.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.164 - `./Rules/resourceElement/ISM_ID_00228.sch`

Rule Description: ISM-ID-00228 [ISM-ID-00228][Error] If ISM_CAPCO_RESOURCE and attribute atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [FRD] then at least one element meeting ISM_CONTRIBUTES in the document must have a 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_CAPCO_RESOURCE, the current element is the ISM_RESOURCE_ELEMENT, and attribute ism:atomicEnergyMarkings is specified with a value containing the value [FRD], then we make sure that some element meeting ISM_CONTRIBUTES specifies attribute ism:atomicEnergyMarkings with a value containing [FRD].

Schematron Code:

```
<?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-00228">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)                          and
util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('FRD'))]">
    <sch:assert test="index-
of($partAtomicEnergyMarkings_tok,'FRD')>0" flag="error">
    [ISM-ID-00228][Error] USA documents marked FRD at the resource
level must have FRD data.
    </sch:assert>
    </sch:rule>
    </sch:pattern>
```

2.165 - `./Rules/resourceElement/ISM_ID_00229.sch`

Rule Description: ISM-ID-00229 [ISM-ID-00229][Error] If ISM_CAPCO_RESOURCE and attribute atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [RD] then at least one element meeting ISM_CONTRIBUTES in the document must have a 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_CAPCO_RESOURCE, the current element is the ISM_RESOURCE_ELEMENT, and attribute ism:atomicEnergyMarkings is specified with a value containing the value [RD], then we make sure that some element meeting ISM_CONTRIBUTES specifies attribute ism:atomicEnergyMarkings with a value containing [RD].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00229">

      <sch:rule
context="*[$ISM_CAPCO_RESOURCE                and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)          and
util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD'))]">
      <sch:assert test="index-
of($partAtomicEnergyMarkings_tok,'RD')>0" flag="error">
      [ISM-ID-00229][Error] USA documents marked RD at the resource
level must have RD data.
      </sch:assert>
      </sch:rule>
    </sch:pattern>
```

2.166 - `./Rules/resourceElement/ISM_ID_00230.sch`

Rule Description: ISM-ID-00230 [ISM-ID-00230][Error] If ISM_CAPCO_RESOURCE and attribute atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [FRD-SG-##] then at least one element meeting ISM_CONTRIBUTES in the document must have a 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_CAPCO_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 we make sure 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?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00230">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($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">
            [ISM-ID-00230][Error] USA documents marked FRD-SG-## at the
resource level must have FRD-SG-## data, where ## is the same.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.167 - `./Rules/resourceElement/ISM_ID_00231.sch`

Rule Description: ISM-ID-00231 [ISM-ID-00231][Error] If ISM_CAPCO_RESOURCE and attribute atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [RD-SG-##] then at least one element meeting ISM_CONTRIBUTES in the document must have a atomicEnergyMarking attribute containing the same [RD-SG-##]. Human Readable: USA documents marked RD-SG-## at the resource level must have RD-SG-## data, where ## is the same.

Code Description: If the document is an ISM_CAPCO_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 we make sure that some element meeting ISM_CONTRIBUTES specifies attribute ism:atomicEnergyMarkings with a value containing a token matching the same [RD-SG-##].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00231">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($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"
                flag="error">
            [ISM-ID-00231][Error] USA documents marked RD-SG-## at the resource
            level must have RD-SG-## data, where ## is the same.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.168 - `./Rules/FGIsourceOpen/ISM_ID_00233.sch`

Rule Description: ISM-ID-00233 [ISM-ID-00233][Error] If ISM_CAPCO_RESOURCE, then any portion with attribute FGIsourceOpen specified and an ownerProducer containing [USA] must not have attribute disseminationControls containing [DISPLAYONLY] or [RELIDO]. Human Readable: DISPLAYONLY and RELIDO are not authorized for use on portions containing Foreign Government Information.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which is not the ISM_RESOURCE_ELEMENT, has attribute ism:FGIsourceOpen specified, has attribute ism:disseminationControls specified, and has attribute ism:ownerProducer specified with a value containing the token [USA], we make sure that attribute ism:disseminationControls does not contain the token [DISPLAYONLY] or [RELIDO].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00233">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and not(generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT))                        and
@ism:FGIsourceOpen                                          and
util:containsAnyOfTheTokens(@ism:ownerProducer, ('USA'))]">
    <sch:assert
test="not(util:containsAnyOfTheTokens(@ism:disseminationControls,
('DISPLAYONLY', 'RELIDO')))"
                                flag="error">
        [ISM-ID-00233][Error] If ISM_CAPCO_RESOURCE, then any portion
with
        attribute FGIsourceOpen specified and an ownerProducer containing
[USA]
        must not have attribute disseminationControls containing
[DISPLAYONLY]
        or [RELIDO].

        Human Readable: DISPLAYONLY and RELIDO are not authorized for use
on portions
        containing Foreign Government Information.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.169 - `./Rules/FGIsourceProtected/ISM_ID_00234.sch`

Rule Description: ISM-ID-00234 [ISM-ID-00234][Error] If ISM_CAPCO_RESOURCE, then any portion with attribute FGIsourceProtected specified and an ownerProducer containing [USA] must not have attribute disseminationControls containing token [RELIDO] or [DISPLAYONLY]. Human Readable: RELIDO and DISPLAYONLY are not authorized for use on portions containing Foreign Government Information.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which is not the ISM_RESOURCE_ELEMENT, has attribute ism:FGIsourceProtected specified, has attribute ism:disseminationControls specified, and has attribute ism:ownerProducer specified with a value containing the token [USA], we make sure that attribute ism:disseminationControls does not contain the token [DISPLAYONLY] or [DISPLAYONLY].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00234">
    <sch:rule context="*[$ISM_CAPCO_RESOURCE
and not(generate-id(.) = generate-id($ISM_RESOURCE_ELEMENT))
and @ism:FGIsourceProtected          and
util:containsAnyOfTheTokens(@ism:ownerProducer,('USA')) ]">
    <sch:assert
test="not(util:containsAnyOfTheTokens(@ism:disseminationControls,('RELIDO',
'DISPLAYONLY')))"
    flag="error">
    [ISM-ID-00234][Error] If ISM_CAPCO_RESOURCE, then any portion with
    attribute FGIsourceProtected specified and an ownerProducer
containing [USA]
    must not have attribute disseminationControls containing token
    [RELIDO] or [DISPLAYONLY].

    Human Readable: RELIDO and DISPLAYONLY are not authorized for use
on portions containing
    Foreign Government Information.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.170 - `./Rules/generalConstraints/ISM_ID_00236.sch`

Rule Description: ISM-ID-00236 [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 a CAPCO 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?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00236">

    <sch:rule context="*[@ism:*)>
    <!-- Define variables -->

    <!-- 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 $attr in ./@ism:* return
if(count(distinct-values(tokenize(string($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($hasDups)" flag="error"> [ISM-
ID-00236][Error] Duplicate tokens
        are not permitted in ISM attributes. Duplicate values found:
[<sch:value-of select="$dupValues"/>]</sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.171 - `./Rules/notice/ISM_ID_00237.sch`

Rule Description: ISM-ID-00237 [ISM-ID-00237][Error] If ISM-CAPCO-RESOURCE, any element which specifies attribute noticeType containing one of the tokens [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], [DoD-Dist-F], or [DoD-Dist-X] must also specify attribute noticeDate. Human Readable: DoD distribution statements B, C, D ,E ,F, and X all require a date.

Code Description: If the document is an ISM-CAPCO-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], [DoD-Dist-F], or [DoD-Dist-X], we make sure that attribute ism:noticeDate is specified.

Schematron Code:

```
<?ICEA pattern?><sch:pattern id="ISM-ID-00237">
    <sch:rule context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:noticeType, ('DoD-Dist-B', 'DoD-
Dist-C', 'DoD-Dist-D', 'DoD-Dist-E', 'DoD-Dist-F', 'DoD-Dist-X'))]">
        <sch:assert test="@ism:noticeDate" flag="error">
            [ISM-ID-00237][Error] DoD distribution statements B, C, D ,E ,F,
and X all require a date.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.172 - `./Rules/notice/ISM_ID_00238.sch`

Rule Description: ISM-ID-00238 [ISM-ID-00238][Error] If ISM-CAPCO-RESOURCE, if any element specifies attribute noticeType containing one of the tokens [DoD-Dist-B], [DoD-Dist-C], [DoD-Dist-D], [DoD-Dist-E], [DoD-Dist-F], or [DoD-Dist-X], then an element in the document must specify attribute pocType with the same value as attribute noticeType. Human Readable: DoD distribution statements B, C, D, E, F, and X all require a corresponding point of contact.

Code Description: If the document is an ISM-CAPCO-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], [DoD-Dist-F], or [DoD-Dist-X], we make sure that some element in the document specifies attribute ism:pocType with the same value as ism:noticeType.

Schematron Code:

```
<?ICEA pattern?><sch:pattern id="ISM-ID-00238">
    <sch:rule context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:noticeType, ('DoD-Dist-B', 'DoD-
Dist-C', 'DoD-Dist-D', 'DoD-Dist-E', 'DoD-Dist-F', 'DoD-Dist-X'))]">
    <sch:let name="foundNoticeTokens"
value=" for $noticeToken in
tokenize(normalize-space(string(@ism:noticeType)), ' ') return
if(matches($noticeToken, '^DoD-Dist-[BCDEFX]')) then
$noticeToken
else null"/>
    <sch:assert test="every $noticeToken in
$foundNoticeTokens satisfies index-of($partPocType_tok,
$noticeToken)>0"
flag="error">
    [ISM-ID-00238][Error] DoD distribution statements B, C, D, E, F,
and X all
    require a corresponding point of contact.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.173 - `./Rules/notice/ISM_ID_00239.sch`

Rule Description: ISM-ID-00239 [ISM-ID-00239][Error] If ISM_CAPCO_RESOURCE and attribute noticeType of ISM_RESOURCE_ELEMENT contains the token [DoD-Dist-A], then any element which contributes to rollup should not have an attribute disseminationControls that contains any of the following tokens: [FOUO], [PR], [DSEN], or [FISA]. Human Readable: Distribution statement A (Public Release) is incompatible with [FOUO], [PR], [DSEN], and [FISA] for contributing portions.

Code Description: If the document is an ISM-CAPCO-RESOURCE and the attribute noticeType of ISM_RESOURCE_ELEMENT contains the token [DoD-Dist-A], for each element which specifies attribute ism:disseminationControls we make sure that attribute ism:disseminationControls does not contain any of the following tokens: [FOUO], [PR], [DSEN], [FISA].

Schematron Code:

```
<?ICEA pattern?><sch:pattern id="ISM-ID-00239">
    <sch:rule context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:noticeType, ('DoD-Dist-
A')) and not (@ism:excludeFromRollup='true')]">
        <sch:assert test="
not(util:containsAnyOfTheTokens(@ism:disseminationControls, ('FOUO', 'PR',
'DSEN', 'FISA')))"
            flag="error">
            [ISM-ID-00239][Error] If ISM_CAPCO_RESOURCE and attribute
noticeType of
ISM_RESOURCE_ELEMENT contains the token [DoD-Dist-A], then any
element
which contributes to rollup should not have an attribute
disseminationControls that contains any of the following tokens:
[FOUO], [PR], [DSEN], or [FISA].

Human Readable: Distribution statement A (Public Release) is
incompatible
with [FOUO], [PR], [DSEN], and [FISA] for contributing portions.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.174 - `./Rules/notice/ISM_ID_00240.sch`

Rule Description: ISM-ID-00240 [ISM-ID-00240][Error] If ISM_CAPCO_RESOURCE and attribute noticeType of ISM_RESOURCE_ELEMENT contains the token [DoD-Dist-A], then any element which contributes to rolluop should not have an attribute atomicEnergyMarkings that contains any of the following tokens: [DCNI], [UCNI]. Human Readable: Distribution statement A (Public Release) is incompatible with [DCNI] and [UCNI].

Code Description: If the document is an ISM-CAPCO-RESOURCE and the attribute noticeType of ISM_RESOURCE_ELEMENT contains the token [DoD-Dist-A], for each element which specifies attribute ism:atomicEnergyMarkings we make sure that attribute ism:atomicEnergyMarkings does not contain any of the following tokens: [DCNI], [UCNI].

Schematron Code:

```
<?ICEA pattern?><sch:pattern id="ISM-ID-00240">
    <sch:rule context="*[$ISM_CAPCO_RESOURCE
and util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/@ism:noticeType, ('DoD-
Dist-A'))
        and not (@ism:excludeFromRollup='true')] ">
        <sch:assert
test="not(util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('DCNI',
'UCNI')))"
            flag="error">
[ISM-ID-00240][Error] If ISM_CAPCO_RESOURCE and attribute
noticeType of
ISM_RESOURCE_ELEMENT contains the token [DoD-Dist-A], then any
element
which contributes to rolluop should not have an attribute
atomicEnergyMarkings that contains any of the following tokens:
[DCNI], [UCNI].

Human Readable: Distribution statement A (Public Release) is
incompatible
with [DCNI] and [UCNI].
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.175 - `./Rules/SCIcontrols/ISM_ID_00241.sch`

Rule Description: ISM-ID-00241 [ISM-ID-00241][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols contains the name token [RSV-XXX], then it must also contain the name token [RSV]. Human Readable: A USA document that contains RESEVERE data (RSV) compartment data must also specify that it contains RSV data.

Code Description: If the document is an ISM_CAPCO_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing a token matching the regular expression "RSV-[A-Z0-9]{3}", we make sure that attribute ism:SCIcontrols is specified with a value containing the token [RSV].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00241">

      <sch:rule
context="*[$ISM_CAPCO_RESOURCE                               and
util:containsAnyTokenMatching(@ism:SCIcontrols, ('RSV-[A-Z0-9]{3}'))]">
      <sch:assert
test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('RSV'))" flag="error">
      [ISM-ID-00241][Error] If ISM_CAPCO_RESOURCE and attribute
SCIcontrols contains the name token [RSV-XXX],
      then it must also contain the name token [RSV].

      Human Readable: A USA document that contains RESEVERE data (RSV)
compartment data must also specify that
      it contains RSV data.
    </sch:assert>
      </sch:rule>
    </sch:pattern>
```

2.176 - `./Rules/SCIcontrols/ISM_ID_00242.sch`

Rule Description: ISM-ID-00242 [ISM-ID-00242][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols contains the name token [RSV], then it must also have attribute classificatoin with a value of [S] or [TS]. Human Readalbe: A USA document that contains RESERVE data must be classified SECRET or TOP SECRET.

Code Description: If the document is an ISM_CAPCO_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [RSV], we make sure that attribute ism:classification is specified with a value containing the token [TS] or [S].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00242">

    <sch:rule context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('RSV'))]">
        <sch:assert
test="util:containsAnyOfTheTokens(@ism:classification, ('TS', 'S'))"
            flag="error">
            [ISM-ID-00242][Error] If ISM_CAPCO_RESOURCE and attribute
SCIcontrols contains the name token [RSV],
            then it must also have attribute classificatoin with a value of
[S] or [TS].

            Human Readalbe: A USA document that contains RESERVE data must be
classified SECRET or TOP SECRET.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.177 - `./Rules/SCIcontrols/ISM_ID_00243.sch`

Rule Description: ISM-ID-00243 [ISM-ID-00243][Error] If ISM_CAPCO_RESOURCE and attribute 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_CAPCO_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [RSV], we make sure that attribute ism:SCIcontrols is specified with a value containing a token matching the regular expression "RSV-[A-Z0-9]{3}". If CAPCO rules do not apply to the document then the rule does not apply and we return true. If the current element has attribute SCIcontrols specified with a value containing [RSV], then we make sure that attribute SCIcontrols also contains the value [RSV-XXX].

Schematron Code:

```
<?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-00243">

    <sch:rule context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('RSV'))]">
        <sch:assert
test="util:containsAnyTokenMatching(@ism:SCIcontrols, ('RSV-[A-Z0-9]{3}'))"
        flag="error">
            [ISM-ID-00243][Error] If ISM_CAPCO_RESOURCE and attribute 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>
```

2.178 - `./Rules/notice/ISM_ID_00244.sch`

Rule Description: ISM-ID-00244 [ISM-ID-00244][Error] If ISM_CAPCO_RESOURCE and: 1. Any element meeting ISM_CONTRIBUTES in the document has the attribute atomicEnergyMarkings containing [RD-CNWDI] AND 2. No element meeting ISM_CONTRIBUTES in the document has noticeType containing [CNWDI]. that does not have attribute 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_CAPCO_RESOURCE, for each element meeting ISM_CONTRIBUTES which specifies attribute ism:atomicEnergyMarkings with a value containing the token [RD-CNWDI], we make sure that some element in the document specifies attribute ism:noticeType with a value containing the token [CNWDI] and not an attribute externalNotice with a value of [true].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00244">

    <sch:rule
context="*[$ISM_CAPCO_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">
        [ISM-ID-00244][Error] If ISM_CAPCO_RESOURCE and:
        1. Any element meeting ISM_CONTRIBUTES in the document has the
attribute atomicEnergyMarkings containing [RD-CNWDI]
        AND
        2. No element meeting ISM_CONTRIBUTES in the document has noticeType
containing [CNWDI].

        Human Readable: USA documents containing CNWDI data must also have an
CNWDI notice.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.179 - `./Rules/notice/ISM_ID_00245.sch`

Rule Description: ISM-ID-00245 [ISM-ID-00245][Error] If ISM_CAPCO_RESOURCE and: 1. No element without `ism:excludeFromRollup=true()` in the document has the attribute `atomicEnergyMarkings` containing [RD-CNWDI] AND 2. Any element without `ism:excludeFromRollup=true()` in the document has the attribute `noticeType` containing [CNWDI] and not the attribute `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_CAPCO_RESOURCE, for each element which meets ISM_CONTRIBUTES and specifies attribute `ism:noticeType` with a value containing the token [CNWDI] and not the attribute `externalNotice` with a value of [true], we make sure that some element in the document specifies attribute `ism:atomicEnergyMarkings` with a value containing the token [RD-CNWDI].

Schematron Code:

```
<?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-00245">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE
    and
util:contributesToRollup(.)
    and
(util:containsAnyOfTheTokens(@ism:noticeType,
('CNWDI'))
    and not (@ism:externalNotice=true()))]">
    <sch:assert test="index-
of($partAtomicEnergyMarkings_tok, 'RD-CNWDI')>0" flag="error">
    [ISM-ID-00245][Error] If ISM_CAPCO_RESOURCE and:
    1. No element without ism:excludeFromRollup=true() in the
document has the attribute atomicEnergyMarkings containing [RD-CNWDI]
    AND
    2. Any element without ism:excludeFromRollup=true() in the
document has the attribute noticeType containing [CNWDI]
    without the attribute 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>
```

2.180 - `./Rules/resourceElement/ISM_ID_00246.sch`

Rule Description: ISM-ID-00246 [ISM-ID-00246][Error] If ISM_CAPCO_RESOURCE and attribute atomicEnergyMarkings of ISM_RESOURCE_ELEMENT contains [RD], [FRD], or [TFNI] then the ISM_RESOURCE_ELEMENT must have a 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_CAPCO_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 we make sure that the ISM_RESOURCE_ELEMENT has a declassException of [AEA] or [NATO-AEA].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00246">

      <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)                          and
util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD','FRD',
'TFNI'))]">

      <sch:assert
test="util:containsAnyOfTheTokens(@ism:declassException, ('AEA', 'NATO-AEA'))"
      flag="error">
      [ISM-ID-00246][Error] 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>
```

2.181 - `./Rules/notice/ISM_ID_00248.sch`

Rule Description: ISM-ID-00248 [ISM-ID-00248][Error] ISM_RESOURCE_ELEMENT cannot have externalNotice set to [true]. Human Readable: ISM resource elements can not be external notices.

Code Description: If ISM_RESOURCE_ELEMENT, we make sure that the ISM_RESOURCE_ELEMENT does not contain externalNotice set to [true].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00248">

    <sch:rule context="*[generate-id(.) = generate-
id($ISM_RESOURCE_ELEMENT)][@ism:externalNotice]">
        <sch:assert
test="not(string(@ism:externalNotice)='true')" flag="error">
            [ISM-ID-00248][Error] ISM_RESOURCE_ELEMENT cannot have
externalNotice set to [true].

            Human Readable: ISM resource elements can not be external notices.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.182 - `./Rules/notice/ISM_ID_00250.sch`

Rule Description: ISM-ID-00250 [ISM-ID-00250][Error] If ISM-CAPCO-RESOURCE, element Notice must specify attribute `ism:noticeType` or `ism:unregisteredNoticeType`. Human Readable: Notices must specify their type.

Code Description: For element `ism:Notice`

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00250">

    <sch:rule context="ism:Notice[$ISM_CAPCO_RESOURCE]">
        <sch:assert test="@ism:noticeType or
@ism:unregisteredNoticeType" flag="error">
            [ISM-ID-00250][Error] If ISM-CAPCO-RESOURCE, element Notice must
specify
            attribute ism:noticeType or ism:unregisteredNoticeType.

            Human Readable: Notices must specify their type.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.183 - `./Rules/notice/ISM_ID_00251.sch`

Rule Description: ISM-ID-00251 `[[ISM-ID-00251][Error]` If ISM-ICDOCUMENT-APPLIES, then attribute `@ism:noticeType` must not be specified with a value of `[COMSEC]`. Human Readable: COMSEC notices are not valid for documents that claim compliance with IC rules.

Code Description: If ISM_ICDOCUMENT_APPLIES, for each element which has attribute `@ism:noticeType` specified, we make sure that attribute `@ism:noticeType` is not specified with a value containing token `[COMSEC]`.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00251">

    <sch:rule context="*[$ISM_ICDOCUMENT_APPLIES and
@ism:noticeType]">
        <sch:assert
test="not(util:containsAnyTokenMatching(@ism:noticeType, 'COMSEC'))"
            flag="error">
            [ISM-ID-00251][Error] If ISM-ICDOCUMENT-APPLIES, then attribute
            @ism:noticeType must not be specified with a value of [COMSEC].

            Human Readable: COMSEC notices are not valid for documents that
claim
            compliance with IC rules.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.184 - `./Rules/nonICmarkings/ISM_ID_00252.sch`

Rule Description: ISM-ID-00252 [ISM-ID-00252][Error] If ISM_RESOURCE_ELEMENT specifies the attribute ism:disseminationControls with a value containing the token [RELIDO], then attribute 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], we make sure that attribute ism:nonICmarkings is not specified with a value containing the token [NNPI].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00252">

    <sch:rule 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">
    [ISM-ID-00252][Error] If ISM_RESOURCE_ELEMENT specifies the
attribute
    ism:disseminationControls with a value containing the token
[RELIDO],
    then attribute 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>
```

2.185 - `./Rules/valueEnumerationConstraints/ISM_ID_00253.sch`

Rule Description: ISM-ID-00253 [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?><!-- Notices - Distribution Notice:
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    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>
```

2.186 - `./Rules/valueEnumerationConstraints/ISM_ID_00254.sch`

Rule Description: ISM-ID-00254 [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?><!-- Notices - Distribution Notice:
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    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>
```

2.187 - `./Rules/valueEnumerationConstraints/ISM_ID_00255.sch`

Rule Description: ISM-ID-00255 [ISM-ID-00255][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?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00255" 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-00255][Error] All
@ism:compliesWith values must be defined in CVEnumISMCompliesWith.xml.
'"/>

    </sch:pattern>
```

2.188 - `./Rules/valueEnumerationConstraints/ISM_ID_00256.sch`

Rule Description: ISM-ID-00256 [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?><!-- Notices - Distribution Notice:
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    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>
```

2.189 - `./Rules/valueEnumerationConstraints/ISM_ID_00257.sch`

Rule Description: ISM-ID-00257 [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?><!-- 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>
```

2.190 - `./Rules/valueEnumerationConstraints/ISM_ID_00258.sch`

Rule Description: ISM-ID-00258 [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?><!-- 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>
```

2.191 - `./Rules/valueEnumerationConstraints/ISM_ID_00259.sch`

Rule Description: ISM-ID-00259 [ISM-ID-00259][Error] All @ism:FGISourceOpen values must be defined in CVEnumISMFGIOpen.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?><!-- 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 CVEnumISMFGIOpen.xml. '"/>
</sch:pattern>
```

2.192 - `./Rules/valueEnumerationConstraints/ISM_ID_00260.sch`

Rule Description: ISM-ID-00260 [ISM-ID-00260][Error] All @ism:FGIsourceProtected values must be defined in CVEnumISMFGIProtected.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?><!-- 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
CVEnumISMFGIProtected.xml. '"/>
    </sch:pattern>
```

2.193 - `./Rules/valueEnumerationConstraints/ISM_ID_00261.sch`

Rule Description: ISM-ID-00261 [ISM-ID-00261][Error] All @ism:nonICmarkings values 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.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00261" is-a="ValidateTokenValuesExistenceInList">

    <sch:param name="context" value="*[@ism:nonICmarkings]"/>
    <sch:param name="searchTermList"
value="@ism:nonICmarkings"/>
    <sch:param name="list" value="$nonICmarkingsList"/>
    <sch:param name="errMsg"
value="' [ISM-ID-00261][Error] All
@ism:nonICmarkings values must be defined in CVEnumISMNonIC.xml.  '"/>
</sch:pattern>
```

2.194 - `./Rules/valueEnumerationConstraints/ISM_ID_00262.sch`

Rule Description: ISM-ID-00262 [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?><!-- Notices - Distribution Notice:
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    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>
```

2.195 - `./Rules/valueEnumerationConstraints/ISM_ID_00263.sch`

Rule Description: ISM-ID-00263 [ISM-ID-00263][Error] Any @ism:ownerProducer values must be defined in CVEnumISMOwnerProducer.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?><!-- Notices - Distribution Notice:
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    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 CVEnumISMOwnerProducer.xml.
' "/>

    </sch:pattern>
```

2.196 - `./Rules/valueEnumerationConstraints/ISM_ID_00264.sch`

Rule Description: ISM-ID-00264 [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?><!-- Notices - Distribution Notice:
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    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>
```

2.197 - `./Rules/valueEnumerationConstraints/ISM_ID_00265.sch`

Rule Description: ISM-ID-00265 [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?><!-- 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>
```

2.198 - `./Rules/valueEnumerationConstraints/ISM_ID_00266.sch`

Rule Description: ISM-ID-00266 [ISM-ID-00266][Error] Any @ism:SARIdentifier must be a value 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.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00266" is-a="ValidateTokenValuesExistenceInList">

    <sch:param name="context" value="*[@ism:SARIdentifier]"/>
    <sch:param name="searchTermList"
value="@ism:SARIdentifier"/>
    <sch:param name="list" value="$SARIdentifierList"/>
    <sch:param name="errMsg"
value="' [ISM-ID-00266][Error] Any
@ism:SARIdentifier must be a value in CVEnumISMSAR.xml.  '"/>
</sch:pattern>
```

2.199 - `./Rules/valueEnumerationConstraints/ISM_ID_00267.sch`

Rule Description: ISM-ID-00267 [ISM-ID-00267][Error] All @ism:SCIcontrols values 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.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00267" is-a="ValidateTokenValuesExistenceInList">

    <sch:param name="context" value="*[@ism:SCIcontrols]"/>
    <sch:param name="searchTermList"
value="@ism:SCIcontrols"/>
    <sch:param name="list" value="$SCIcontrolsList"/>
    <sch:param name="errMsg"
value=" ' [ISM-ID-00267][Error] All
@ism:SCIcontrols values must be defined in CVEnumISMSCIControls.xml. ' "/>
</sch:pattern>
```

2.200 - `./Rules/typeConstraintPatterns/ISM_ID_00268.sch`

Rule Description: ISM-ID-00268 [ISM-ID-00268][Error] All atomicEnergyMarkings attributes must be of type NmTokens.

Code Description: For all elements which contain an atomicEnergyMarkings attribute, we make sure that the atomicEnergyMarkings value matches the pattern defined for type NmTokens.

Schematron Code:

```
<?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-00268">

    <sch:rule context="*[@ism:atomicEnergyMarkings]">
        <sch:assert
test="util:meetsType(@ism:atomicEnergyMarkings, $NmTokensPattern)"
flag="error">
            [ISM-ID-00268][Error] All atomicEnergyMarkings attributes values
            must be of type NmTokens.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.201 - `./Rules/typeConstraintPatterns/ISM_ID_00269.sch`

Rule Description: ISM-ID-00269 [ISM-ID-00269][Error] All classification attributes must be of type NmToken.

Code Description: For all elements which contain an classification attribute, we make sure that the classification value matches the pattern defined for type NmTokens.

Schematron Code:

```
<?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-00269">

    <sch:rule context="*[@ism:classification]">
        <sch:assert
test="util:meetsType(@ism:classification, $NmTokenPattern)" flag="error">
    [ISM-ID-00269][Error] All classification attributes values must be
of type NmToken.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.202 - `./Rules/typeConstraintPatterns/ISM_ID_00270.sch`

Rule Description: ISM-ID-00270 [ISM-ID-00270][Error] All classificationReason attributes must be a string with less than 4096 characters.

Code Description: For all elements which contain an classificationReason attribute, we make sure that the classificationReason value is a string with less than 4096 characters.

Schematron Code:

```
<?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-00270">

    <sch:rule context="*[@ism:classificationReason]">
        <sch:assert test="string-
length(@ism:classificationReason) &lt;= 4096" flag="error">
    [ISM-ID-00270][Error] All classificationReason attributes must be
a string with less than 4096 characters.
        </sch:assert>
    </sch:rule>
    </sch:pattern>
```

2.203 - `./Rules/typeConstraintPatterns/ISM_ID_00271.sch`

Rule Description: ISM-ID-00271 [ISM-ID-00271][Error] All classifiedBy attributes must be a string with less than 1024 characters.

Code Description: For all elements which contain an classifiedBy attribute, we make sure that the classifiedBy value is a string with less than 1024 characters.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00271">

    <sch:rule context="*[@ism:classifiedBy]">
        <sch:assert test="string-length(@ism:classifiedBy)
        &lt;= 1024" flag="error">
            [ISM-ID-00271][Error] All classifiedBy attributes must be a
            string with less than 1024 characters.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.204 - `./Rules/typeConstraintPatterns/ISM_ID_00272.sch`

Rule Description: ISM-ID-00272 [ISM-ID-00272][Error] All compilationReason attributes must be a string with less than 1024 characters.

Code Description: For all elements which contain an compilationReason attribute, we make sure that the compilationReason value is a string with less than 1024 characters.

Schematron Code:

```
<?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-00272">

    <sch:rule context="*[@ism:compilationReason]">
        <sch:assert test="string-
length(@ism:compilationReason) <= 1024" flag="error">
    [ISM-ID-00272][Error] All compilationReason attributes must be a
string with less than 1024 characters.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.205 - `./Rules/typeConstraintPatterns/ISM_ID_00273.sch`

Rule Description: ISM-ID-00273 [ISM-ID-00273][Error] All `compliesWith` attributes must be of type `NmTokens`.

Code Description: For all elements which contain an `compliesWith` attribute, we make sure that the `compliesWith` value matches the pattern defined for type `NmTokens`.

Schematron Code:

```
<?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-00273">

    <sch:rule context="*[@ism:compliesWith]">
        <sch:assert
test="util:meetsType(@ism:compliesWith, $NmTokensPattern)" flag="error">
            [ISM-ID-00273][Error] All compliesWith attributes values must be
of type NmTokens.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.206 - `./Rules/typeConstraintPatterns/ISM_ID_00274.sch`

Rule Description: ISM-ID-00274 [ISM-ID-00274][Error] All createDate attributes must be of type Date.

Code Description: For all elements which contain an createDate attribute, we make sure that the createDate value matches the pattern defined for type Date. Note: this rule is not able to be failed. If the createDate does not confirm to type Date, schematron fails when defining global variables before any rules are fired.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00274">

    <sch:rule context="*[@ism:createDate]">
        <sch:assert test="util:meetsType(@ism:createDate,
$DatePattern)" flag="error">
            [ISM-ID-00274][Error] All createDate attributes values must be of
type Date.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.207 - `./Rules/typeConstraintPatterns/ISM_ID_00275.sch`

Rule Description: ISM-ID-00275 [ISM-ID-00275][Error] All declassDate attributes must be of type Date.

Code Description: For all elements which contain an declassDate attribute, we make sure that the declassDate value matches the pattern defined for type Date.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00275">

    <sch:rule context="*[@ism:declassDate]">
        <sch:assert test="util:meetsType(@ism:declassDate,
$DatePattern)" flag="error">
            [ISM-ID-00275][Error] All declassDate attributes values must be
of type Date.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.208 - `./Rules/typeConstraintPatterns/ISM_ID_00276.sch`

Rule Description: ISM-ID-00276 [ISM-ID-00276][Error] All declassEvent attributes must be a string with less than 1024 characters.

Code Description: For all elements which contain an declassEvent attribute, we make sure that the declassEvent value is a string with less than 1024 characters.

Schematron Code:

```
<?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-00276">

    <sch:rule context="*[@ism:declassEvent]">
        <sch:assert test="string-length(@ism:declassEvent)
&lt;= 1024" flag="error">
            [ISM-ID-00276][Error] All declassEvent attributes must be a
            string with less than 1024 characters.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.209 - `./Rules/typeConstraintPatterns/ISM_ID_00277.sch`

Rule Description: ISM-ID-00277 [ISM-ID-00277][Error] All declassException attributes must be of type NmToken.

Code Description: For all elements which contain an declassException attribute, we make sure that the declassException value matches the pattern defined for type NmToken.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00277">

    <sch:rule context="*[@ism:declassException]">
        <sch:assert
test="util:meetsType(@ism:declassException, $NmTokenPattern)" flag="error">
            [ISM-ID-00277][Error] All declassException attributes values must
            be of type NmToken.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.210 - `./Rules/typeConstraintPatterns/ISM_ID_00278.sch`

Rule Description: ISM-ID-00278 [ISM-ID-00278][Error] All derivativelyClassifiedBy attributes must be a string with less than 1024 characters.

Code Description: For all elements which contain an declassEvent attribute, we make sure that the derivativelyClassifiedBy value is a string with less than 1024 characters.

Schematron Code:

```
<?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-00278">

    <sch:rule context="*[@ism:derivativelyClassifiedBy]">
        <sch:assert test="string-
length(@ism:derivativelyClassifiedBy) &lt;= 1024" flag="error">
    [ISM-ID-00278][Error] All derivativelyClassifiedBy attributes
    must be a string with less than 1024 characters.
        </sch:assert>
    </sch:rule>
    </sch:pattern>
```

2.211 - `./Rules/typeConstraintPatterns/ISM_ID_00279.sch`

Rule Description: ISM-ID-00279 [ISM-ID-00279][Error] All derivedFrom attributes must be a string with less than 1024 characters.

Code Description: For all elements which contain an derivedFrom attribute, we make sure that the derivedFrom value is a string with less than 1024 characters.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00279">

    <sch:rule context="*[@ism:derivedFrom]">
        <sch:assert test="string-length(@ism:derivedFrom)
        &lt;= 1024" flag="error">
            [ISM-ID-00279][Error] All derivedFrom attributes must be a string
            with less than 1024 characters.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.212 - `./Rules/typeConstraintPatterns/ISM_ID_00280.sch`

Rule Description: ISM-ID-00280 [ISM-ID-00280][Error] All displayOnlyTo attributes must be of type NmTokens.

Code Description: For all elements which contain an displayOnlyTo attribute, we make sure that the displayOnlyTo value matches the pattern defined for type NmTokens.

Schematron Code:

```
<?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-00280">

    <sch:rule context="*[@ism:displayOnlyTo]">
        <sch:assert
test="util:meetsType(@ism:displayOnlyTo, $NmTokensPattern)" flag="error">
            [ISM-ID-00280][Error] All displayOnlyTo attributes values must be
of type NmTokens.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.213 - `./Rules/typeConstraintPatterns/ISM_ID_00281.sch`

Rule Description: ISM-ID-00281 [ISM-ID-00281][Error] All disseminationControls attributes must be of type NmTokens.

Code Description: For all elements which contain an disseminationControls attribute, we make sure that the disseminationControls value matches the pattern defined for type NmTokens.

Schematron Code:

```
<?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-00281">

    <sch:rule context="*[@ism:disseminationControls]">
        <sch:assert
test="util:meetsType(@ism:disseminationControls, $NmTokensPattern)"
            flag="error">
            [ISM-ID-00281][Error] All disseminationControls attributes values
must be of type NmTokens.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.214 - `./Rules/typeConstraintPatterns/ISM_ID_00282.sch`

Rule Description: ISM-ID-00282 [ISM-ID-00282][Error] All `excludeFromRollup` attributes must be of type Boolean.

Code Description: For all elements which contain an `excludeFromRollup` attribute, we make sure that the `excludeFromRollup` value matches the pattern defined for type Boolean.

Schematron Code:

```
<?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-00282">

    <sch:rule context="*[@ism:excludeFromRollup]">
        <sch:assert
test="util:meetsType(@ism:excludeFromRollup, $BooleanPattern)" flag="error">
            [ISM-ID-00282][Error] All excludeFromRollup attributes values
            must be of type Boolean.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.215 - `./Rules/typeConstraintPatterns/ISM_ID_00294.sch`

Rule Description: ISM-ID-00282 [ISM-ID-00282][Error] All resourceElement attributes must be of type Boolean.

Code Description: For all elements which contain an resourceElement attribute, we make sure 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?><!-- 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 context="*[@ism:resourceElement]">
        <sch:assert
test="util:meetsType(@ism:resourceElement, $BooleanPattern)" flag="error">
            [ISM-ID-00282][Error] All resourceElement attributes values must
            be of type Boolean.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.216 - `./Rules/typeConstraintPatterns/ISM_ID_00283.sch`

Rule Description: ISM-ID-00283 [ISM-ID-00283][Error] All FGIsorceOpen attributes must be of type NmTokens.

Code Description: For all elements which contain an FGIsorceOpen attribute, we make sure that the FGIsorceOpen value matches the pattern defined for type NmTokens.

Schematron Code:

```
<?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-00283">

    <sch:rule context="*[@ism:FGIsorceOpen]">
        <sch:assert
test="util:meetsType(@ism:FGIsorceOpen, $NmTokensPattern)" flag="error">
    [ISM-ID-00283][Error] All FGIsorceOpen attributes values must be
of type NmTokens.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.217 - `./Rules/typeConstraintPatterns/ISM_ID_00284.sch`

Rule Description: ISM-ID-00284 [ISM-ID-00284][Error] All FGIsorceProtected attributes must be of type NmTokens.

Code Description: For all elements which contain an FGIsorceProtected attribute, we make sure that the FGIsorceProtected value matches the pattern defined for type NmTokens.

Schematron Code:

```
<?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-00284">

    <sch:rule context="*[@ism:FGIsorceProtected]">
        <sch:assert
test="util:meetsType(@ism:FGIsorceProtected, $NmTokensPattern)" flag="error">
            [ISM-ID-00284][Error] All FGIsorceProtected attributes values
            must be of type NmTokens.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.218 - `./Rules/typeConstraintPatterns/ISM_ID_00285.sch`

Rule Description: ISM-ID-00285 [ISM-ID-00285][Error] All nonICmarkings attributes must be of type NmTokens.

Code Description: For all elements which contain an nonICmarkings attribute, we make sure that the nonICmarkings value matches the pattern defined for type NmTokens.

Schematron Code:

```
<?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-00285">

    <sch:rule context="*[@ism:nonICmarkings]">
        <sch:assert
test="util:meetsType(@ism:nonICmarkings, $NmTokensPattern)" flag="error">
    [ISM-ID-00285][Error] All nonICmarkings attributes values must be
of type NmTokens.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.219 - `./Rules/typeConstraintPatterns/ISM_ID_00286.sch`

Rule Description: ISM-ID-00286 [ISM-ID-00286][Error] All nonUSControls attributes must be of type NmTokens.

Code Description: For all elements which contain an nonUSControls attribute, we make sure that the nonUSControls value matches the pattern defined for type NmTokens.

Schematron Code:

```
<?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-00286">

    <sch:rule context="*[@ism:nonUSControls]">
        <sch:assert
test="util:meetsType(@ism:nonUSControls, $NmTokensPattern)" flag="error">
            [ISM-ID-00286][Error] All nonUSControls attributes values must be
of type NmTokens.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.220 - `./Rules/typeConstraintPatterns/ISM_ID_00287.sch`

Rule Description: ISM-ID-00287 [ISM-ID-00287][Error] All noticeDate attributes must be of type Date.

Code Description: For all elements which contain an noticeDate attribute, we make sure that the noticeDate value matches the pattern defined for type Date.

Schematron Code:

```
<?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-00287">

    <sch:rule context="*[@ism:noticeDate]">
        <sch:assert test="util:meetsType(@ism:noticeDate,
$DatePattern)" flag="error">
            [ISM-ID-00287][Error] All noticeDate attributes values must be of
type Date.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.221 - `./Rules/typeConstraintPatterns/ISM_ID_00288.sch`

Rule Description: ISM-ID-00288 [ISM-ID-00288][Error] All noticeReason attributes must be a string with less than 2048 characters.

Code Description: For all elements which contain an noticeReason attribute, we make sure that the noticeReason value is a string with less than 2048 characters.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00288">

    <sch:rule context="*[@ism:noticeReason]">
        <sch:assert test="string-length(@ism:noticeReason)
&lt;= 2048" flag="error">
            [ISM-ID-00288][Error] All noticeReason attributes must be a
            string with less than 2048 characters.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.222 - `./Rules/typeConstraintPatterns/ISM_ID_00289.sch`

Rule Description: ISM-ID-00289 [ISM-ID-00289][Error] All noticeType attributes must be of type NmTokens.

Code Description: For all elements which contain an noticeType attribute, we make sure that the noticeType value matches the pattern defined for type NmTokens.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
    -->
<sch:pattern id="ISM-ID-00289">

    <sch:rule context="*[@ism:noticeType]">
        <sch:assert test="util:meetsType(@ism:noticeType,
$NmTokensPattern)" flag="error">
            [ISM-ID-00289][Error] All noticeType attributes values must be of
type NmTokens.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.223 - `./Rules/typeConstraintPatterns/ISM_ID_00290.sch`

Rule Description: ISM-ID-00290 [ISM-ID-00290][Error] All externalNotice attributes must be of type Boolean.

Code Description: For all elements which contain an externalNotice attribute, we make sure that the externalNotice value matches the pattern defined for type Boolean.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00290">

    <sch:rule context="*[@ism:externalNotice]">
        <sch:assert
test="util:meetsType(@ism:externalNotice, $BooleanPattern)" flag="error">
    [ISM-ID-00290][Error] All externalNotice attributes values must
be of type Boolean.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.224 - `./Rules/typeConstraintPatterns/ISM_ID_00291.sch`

Rule Description: ISM-ID-00291 [ISM-ID-00291][Error] All ownerProducer attributes must be of type NmTokens.

Code Description: For all elements which contain an ownerProducer attribute, we make sure that the ownerProducer value matches the pattern defined for type NmTokens.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00291">

    <sch:rule context="*[@ism:ownerProducer]">
        <sch:assert
test="util:meetsType(@ism:ownerProducer, $NmTokensPattern)" flag="error">
    [ISM-ID-00291][Error] All ownerProducer attributes values must be
of type NmTokens.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.225 - `./Rules/typeConstraintPatterns/ISM_ID_00292.sch`

Rule Description: ISM-ID-00292 [ISM-ID-00292][Error] All pocType attributes must be of type NmTokens.

Code Description: For all elements which contain an pocType attribute, we make sure that the pocType value matches the pattern defined for type NmTokens.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00292">

    <sch:rule context="*[@ism:pocType]">
        <sch:assert test="util:meetsType(@ism:pocType,
$NmTokensPattern)" flag="error">
            [ISM-ID-00292][Error] All pocType attributes values must be of
            type NmTokens.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.226 - `./Rules/typeConstraintPatterns/ISM_ID_00293.sch`

Rule Description: ISM-ID-00293 [ISM-ID-00293][Error] All releasableTo attributes must be of type NmTokens.

Code Description: For all elements which contain an releasableTo attribute, we make sure that the releasableTo value matches the pattern defined for type NmTokens.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
    -->
<sch:pattern id="ISM-ID-00293">

    <sch:rule context="*[@ism:releasableTo]">
        <sch:assert
test="util:meetsType(@ism:releasableTo, $NmTokensPattern)" flag="error">
            [ISM-ID-00293][Error] All releasableTo attributes values must be
of type NmTokens.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.227 - `./Rules/typeConstraintPatterns/ISM_ID_00295.sch`

Rule Description: ISM-ID-00295 [ISM-ID-00295][Error] All SARIdentifier attributes must be of type NmTokens.

Code Description: For all elements which contain an SARIdentifier attribute, we make sure that the SARIdentifier value matches the pattern defined for type NmTokens.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
    -->
<sch:pattern id="ISM-ID-00295">

    <sch:rule context="*[@ism:SARIdentifier]">
        <sch:assert
test="util:meetsType(@ism:SARIdentifier, $NmTokensPattern)" flag="error">
    [ISM-ID-00295][Error] All SARIdentifier attributes values must be
of type NmTokens.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.228 - `./Rules/typeConstraintPatterns/ISM_ID_00296.sch`

Rule Description: ISM-ID-00296 [ISM-ID-00296][Error] All SCIcontrols attributes must be of type NmTokens.

Code Description: For all elements which contain an SCIcontrols attribute, we make sure that the SCIcontrols value matches the pattern defined for type NmTokens.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00296">

    <sch:rule context="*[@ism:SCIcontrols]">
        <sch:assert test="util:meetsType(@ism:SCIcontrols,
$NmTokensPattern)" flag="error">
            [ISM-ID-00296][Error] All SCIcontrols attributes values must be
of type NmTokens.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.229 - `./Rules/typeConstraintPatterns/ISM_ID_00297.sch`

Rule Description: ISM-ID-00297 [ISM-ID-00297][Error] All `unregisteredNoticeType` attributes must be a string with less than 2048 characters.

Code Description: For all elements which contain an `unregisteredNoticeType` attribute, we make sure that the `unregisteredNoticeType` value is a string with less than 2048 characters.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00297">

    <sch:rule context="*[@ism:unregisteredNoticeType]">
        <sch:assert test="string-
length(@ism:unregisteredNoticeType) &lt;= 2048" flag="error">
    [ISM-ID-00297][Error] All unregisteredNoticeType attributes must
    be a string with less than 2048 characters.
        </sch:assert>
    </sch:rule>
    </sch:pattern>
```

2.230 - `./Rules/resourceElement/ISM_ID_00298.sch`

Rule Description: ISM-ID-00298 [ISM-ID-00298][Error] If ISM_CAPCO_RESOURCE and any element meeting ISM_CONTRIBUTES in the document specifies attribute atomicEnergyMarkings with a value containing [TFNI], then the ISM_RESOURCE_ELEMENT must specify attribute atomicEnergyMarkings with a value containing [TFNI]. Human Readable: USA documents having Transclassified Foreign Nuclear Information (TFNI) must have TFNI at the resource level.

Code Description: This rule uses an abstract pattern to consolidate logic. If the document is an ISM_CAPCO_RESOURCE and an element meeting ISM_CONTRIBUTES specifies \$attrLocalName with a value containing the token \$value, then we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute \$attrLocalName with a value containing the token \$value.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00298" is-a="AttributeContributesToRollup">

    <sch:param name="attrLocalName"
value="atomicEnergyMarkings"/>
    <sch:param name="value" value="TFNI"/>
    <sch:param name="errorMessage"
value="'[ISM-ID-00298][Error] USA documents
having Transclassified Foreign Nuclear Information (TFNI) must have TFNI at
the resource level.'"/>
    </sch:pattern>
```

2.231 - `./Rules/declassException/ISM_ID_00299.sch`

Rule Description: ISM-ID-00299 [ISM-ID-00299][Error] If an element contains the attribute `declassException` with a value of [AEA], it must also contain the attribute `atomicEnergyMarkings`.

Code Description: If an element contains an `ism:declassException` attribute with a value containing AEA, we must check to make sure that element also has an `ism:atomicEnergyMarkings` attribute.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00299">

    <sch:rule
context="*[util:containsAnyTokenMatching(@ism:declassException, ('AEA'))]">
        <sch:assert test="@ism:atomicEnergyMarkings"
flag="error">
            [ISM-ID-00299][Error] If an element contains the attribute
declassException with a value of [AEA],
            it must also contain the attribute atomicEnergyMarkings.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.232 - `./Rules/generalConstraints/ISM_ID_00300.sch`

Rule Description: ISM-ID-00300 [ISM-ID-00300][Error] DESVersion attributes must be specified as version 11.

Code Description: DESVersion attributes must be specified as version 11.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00300">

    <sch:rule context="*[@ism:DESVersion]">
        <sch:assert test="@ism:DESVersion='11'" flag="error">
            [ISM-ID-00300][Error] DESVersion attributes must be specified as
version 11.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.233 - `./Rules/SCIcontrols/ISM_ID_00301.sch`

Rule Description: ISM-ID-00301 [ISM-ID-00301][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols contains any of the name tokens [EL], [EL-EU], or [EL-NK], then it must also contain the name token [SI]. Human Readable: A USA document that contains ENDSEAL (EL), -ECRU (EK), or -NONBOOK (NK) compartment data must also specify that it contains SI data.

Code Description: If the document is an ISM_CAPCO_RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing any of the tokens [EL], [EL-EU], or [EL-NK], we make sure that attribute ism:SCIcontrols is specified with a value containing the token [SI]. If CAPCO rules do not apply to the document then the rule does not apply and we return true.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00301">

    <sch:rule context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('EL', 'EL-EU', 'EL-NK'))]">
    <sch:assert
test="util:containsAnyTokenMatching(@ism:SCIcontrols, ('SI'))" flag="error">
    [ISM-ID-00301][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols
contains any of the name tokens [EL],
    [EL-EU], or [EL-NK], then it must also contain the name token [SI].

    Human Readable: A USA document that contains ENDSEAL (EL), -ECRU (EK),
or -NONBOOK (NK) compartment data must also specify that
    it contains SI data.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.234 - `./Rules/disseminationControls/ISM_ID_00302.sch`

Rule Description: ISM-ID-00302 [ISM-ID-00302][Error] If ISM_CAPCO_RESOURCE and attribute 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-CAPCO-RESOURCE, for each element which has attribute ism:disseminationControls specified with a value containing the token [OC-USGOV], we make sure that token [OC] is also specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00302">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC-USGOV'))]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('OC'))"
    flag="error">
    [ISM-ID-00302][Error] If ISM_CAPCO_RESOURCE and attribute
    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>
```

2.235 - `./Rules/resourceElement/ISM_ID_00303.sch`

Rule Description: ISM-ID-00303 [ISM-ID-00303][Error] If ISM_CAPCO_RESOURCE and the document contains attribute 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-CAPCO-RESOURCE and the resource element contains attribute disseminationControls with name token [OC-USGOV], we make sure that every portion contain name token [OC] also contains name token [OC-USGOV].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00303">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE and generate-id(.)
= generate-id($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">
            [ISM-ID-00303][Error] If ISM_CAPCO_RESOURCE and the document
contains attribute
            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>
```

2.236 - `./Rules/SCIcontrols/ISM_ID_00304.sch`

Rule Description: ISM-ID-00304 [ISM-ID-00304][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols contains the name token [KDK-BLFH], then it must also contain the name token [KDK]. Human Readable: A USA document that contains KLONDIKE (KDK) -BLUEFISH compartment data must also specify that it contains KDK data.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [KDK-BLFH] we make sure that attribute ism:SCIcontrols is specified with a value containing the token [KDK].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00304">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('KDK-BLFH'))]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('KDK'))" flag="error">
    [ISM-ID-00304][Error] If ISM_CAPCO_RESOURCE and attribute
SCIcontrols contains the name token [KDK-BLFH],
    then it must also contain the name token [KDK].

    Human Readable: A USA document that contains KLONDIKE (KDK) -
BLUEFISH compartment data must also specify that
    it contains KDK data.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.237 - `./Rules/SCIcontrols/ISM_ID_00305.sch`

Rule Description: ISM-ID-00305 [ISM-ID-00305][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols contains the name token [KDK-IDIT], then it must also contain the name token [KDK]. Human Readable: A USA document that contains KLONDIKE (KDK) -IDITAROD compartment data must also specify that it contains KDK data.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [KDK-IDIT] we make sure that attribute ism:SCIcontrols is specified with a value containing the token [KDK].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00305">
    <sch:rule context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('KDK-IDIT'))]">
        <sch:assert
test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('KDK'))" flag="error">
    [ISM-ID-00305][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols
contains the name token [KDK-IDIT],
    then it must also contain the name token [KDK].

    Human Readable: A USA document that contains KLONDIKE (KDK) -IDITAROD
compartment data must also specify that
    it contains KDK data.
    </sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.238 - `./Rules/SCIcontrols/ISM_ID_00306.sch`

Rule Description: ISM-ID-00306 [ISM-ID-00306][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols contains the name token [KDK-KAND], then it must also contain the name token [KDK]. Human Readable: A USA document that contains KLONDIKE (KDK) -KANDIK compartment data must also specify that it contains KDK data.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [KDK-KAND] we make sure that attribute ism:SCIcontrols is specified with a value containing the token [KDK].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00306">

    <sch:rule context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('KDK-KAND'))]">
        <sch:assert
test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('KDK'))" flag="error">
    [ISM-ID-00306][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols
contains the name token [KDK-KAND],
    then it must also contain the name token [KDK].

    Human Readable: A USA document that contains KLONDIKE (KDK) -KANDIK
compartment data must also specify that
    it contains KDK data.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.239 - `./Rules/SCIcontrols/ISM_ID_00307.sch`

Rule Description: ISM-ID-00307 [ISM-ID-00307][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols contains a token matching [KDK-BLFH-XXXXXX], where X is represented by the regular expression character class [A-Z]{1,6}, then it must also contain the name token [KDK-BLFH]. Human Readable: A USA document that contains KLONDIKE (KDK) BLUEFISH sub-compartments must also specify that it contains KDK -BLUEFISH compartment data.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing a token matching [KDK-BLFH-XXXXXX], where X is represented by the regular expression character class [A-Z]{1,6}, we make sure that attribute ism:SCIcontrols is specified with a value containing the token [KDK-BLFH].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
      -->
<sch:pattern id="ISM-ID-00307">

      <sch:rule context="*[$ISM_CAPCO_RESOURCE          and
util:containsAnyTokenMatching(@ism:SCIcontrols, ('^KDK-BLFH-[A-Z]{1,6}$'))]">
      <sch:assert
test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('KDK-BLFH'))"
flag="error">
      [ISM-ID-00307][Error] If ISM_CAPCO_RESOURCE and attribute
SCIcontrols contains a token matching [KDK-BLFH-XXXXXX],
      where X is represented by the regular expression character class
[A-Z]{1,6}, then it must also contain the
      name token [KDK-BLFH].

      Human Readable: A USA document that contains KLONDIKE (KDK)
BLUEFISH sub-compartments must
      also specify that it contains KDK -BLUEFISH compartment data.
      </sch:assert>
      </sch:rule>
</sch:pattern>
```

2.240 - `./Rules/SCIcontrols/ISM_ID_00308.sch`

Rule Description: ISM-ID-00308 [ISM-ID-00308][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols contains a token matching [KDK-IDIT-XXXXXX], where X is represented by the regular expression character class [A-Z]{1,6}, then it must also contain the name token [KDK-IDIT]. Human Readable: A USA document that contains KLONDIKE (KDK) IDITAROD sub-compartments must also specify that it contains KDK -IDITAROD compartment data.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing a token matching [KDK-IDIT-XXXXXX], where X is represented by the regular expression character class [A-Z]{1,6}, we make sure that attribute ism:SCIcontrols is specified with a value containing the token [KDK-IDIT].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
      -->
<sch:pattern id="ISM-ID-00308">

      <sch:rule context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyTokenMatching(@ism:SCIcontrols, ('^KDK-IDIT-[A-Z]{1,6}$'))]">
      <sch:assert
test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('KDK-IDIT'))"
flag="error">
      [ISM-ID-00308][Error] If ISM_CAPCO_RESOURCE and attribute
SCIcontrols contains a token matching [KDK-IDIT-XXXXXX],
      where X is represented by the regular expression character class
[A-Z]{1,6}, then it must also contain the
      name token [KDK-IDIT].

      Human Readable: A USA document that contains KLONDIKE (KDK)
IDITAROD sub-compartments must
      also specify that it contains KDK -IDITAROD compartment data.
      </sch:assert>
      </sch:rule>
</sch:pattern>
```

2.241 - `./Rules/SCIcontrols/ISM_ID_00309.sch`

Rule Description: ISM-ID-00309 [ISM-ID-00309][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols contains a token matching [KDK-KAND-XXXXXX], where X is represented by the regular expression character class [A-Z]{1,6}, then it must also contain the name token [KDK-KAND]. Human Readable: A USA document that contains KLONDIKE (KDK) KANDIK sub-compartments must also specify that it contains KDK -KANDIK compartment data.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing a token matching [KDK-KAND-XXXXXX], where X is represented by the regular expression character class [A-Z]{1,6}, we make sure that attribute ism:SCIcontrols is specified with a value containing the token [KDK-KAND].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
      -->
<sch:pattern id="ISM-ID-00309">

      <sch:rule context="*[$ISM_CAPCO_RESOURCE          and
util:containsAnyTokenMatching(@ism:SCIcontrols, ('^KDK-KAND-[A-Z]{1,6}$'))]">
      <sch:assert
test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('KDK-KAND'))"
flag="error">
      [ISM-ID-00309][Error] If ISM_CAPCO_RESOURCE and attribute
SCIcontrols contains a token matching [KDK-KAND-XXXXXX],
      where X is represented by the regular expression character class
[A-Z]{1,6}, then it must also contain the
      name token [KDK-KAND].

      Human Readable: A USA document that contains KLONDIKE (KDK)
KANDIK sub-compartments must
      also specify that it contains KDK -KANDIK compartment data.
      </sch:assert>
      </sch:rule>
</sch:pattern>
```

2.242 - `./Rules/SCIcontrols/ISM_ID_00310.sch`

Rule Description: ISM-ID-00310 [ISM-ID-00310][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols contains the name token [EL-EU], then it must also contain the name token [EL]. Human Readable: A USA document that contains ENDSEAL (EL) -ECRU compartment data must also specify that it contains EL data.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [EL-EU] we make sure that attribute ism:SCIcontrols is specified with a value containing the token [EL].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00310">
    <sch:rule context="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('EL-EU'))]">
        <sch:assert
test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('EL'))" flag="error">
    [ISM-ID-00310][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols
contains the name token [EL-EU],
    then it must also contain the name token [EL].

    Human Readable: A USA document that contains ENDSEAL (EL) -ECRU
compartment data must also specify that
    it contains EL data.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.243 - `./Rules/SCIcontrols/ISM_ID_00311.sch`

Rule Description: ISM-ID-00311 [ISM-ID-00311][Error] If ISM_CAPCO_RESOURCE and attribute SCIcontrols contains the name token [EL-NK], then it must also contain the name token [EL]. Human Readable: A USA document that contains ENDSEAL (EL) -NONBOOK compartment data must also specify that it contains EL data.

Code Description: If the document is an ISM-CAPCO-RESOURCE, for each element which specifies attribute ism:SCIcontrols with a value containing the token [EL-NK] we make sure that attribute ism:SCIcontrols is specified with a value containing the token [EL].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00311">
    <sch:rule context="*[$ISM_CAPCO_RESOURCE          and
util:containsAnyOfTheTokens(@ism:SCIcontrols, ('EL-NK'))]">
        <sch:assert
test="util:containsAnyOfTheTokens(@ism:SCIcontrols, ('EL'))" flag="error">
            [ISM-ID-00311][Error] If ISM_CAPCO_RESOURCE and attribute
            SCIcontrols contains the name token [EL-NK],
            then it must also contain the name token [EL].

            Human Readable: A USA document that contains ENDSEAL (EL) -
            NONBOOK compartment data must also specify that
            it contains EL data.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.244 - `./Rules/nonICmarkings/ISM_ID_00313.sch`

Rule Description: ISM-ID-00313 [ISM-ID-00313][Error] If nonICmarkings contains the token [ND] then the attribute disseminationControls must contain [NF]. Human Readable: NODIS data must be marked NOFORN.

Code Description: If the nonICmarkings contains the ND token, then check that the disseminationControls attribute must have NF specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00313">

    <sch:rule
context="*[util:containsAnyOfTheTokens(@ism:nonICmarkings, ('ND'))]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
    flag="error">
        [ISM-ID-00313][Error] If nonICmarkings contains the token [ND]
then the
        attribute disseminationControls must contain [NF].

        Human Readable: NODIS data must be marked NOFORN.
    </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.245 - `./Rules/nonICmarkings/ISM_ID_00314.sch`

Rule Description: ISM-ID-00314 [ISM-ID-00314][Error] If nonICmarkings contains the token [XD] then the attribute disseminationControls must contain [NF]. Human Readable: EXDIS data must be marked NOFORN.

Code Description: If the nonICmarkings contains the ND token, then check that the disseminationControls attribute must have NF specified.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00314">

    <sch:rule
context="*[util:containsAnyOfTheTokens(@ism:nonICmarkings, ('XD'))]">
    <sch:assert
test="util:containsAnyOfTheTokens(@ism:disseminationControls, ('NF'))"
    flag="error">
        [ISM-ID-00314][Error] If nonICmarkings contains the token [XD]
then the
    attribute disseminationControls must contain [NF].

    Human Readable: EXDIS data must be marked NOFORN.
    </sch:assert>
    </sch:rule>
    </sch:pattern>
```

2.246 - `./Rules/ownerProducer/ISM_ID_00315.sch`

Rule Description: ISM-ID-00315 [ISM-ID-00315][Error] If element meets ISM_CONTRIBUTES and attribute ownerProducer contains the token [NATO], then attribute declassException must be specified with a value of [NATO] or [NATO-AEA] on the resourceElement. Human Readable: Any non-resource element 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 document that meets ISM_CAPCO_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], we make sure that attribute ism:declassExemption on the resource element is specified with a value containing the token [NATO] or [NATO-AEA].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
    -->
<sch:pattern id="ISM-ID-00315">

    <sch:rule context="*[not(generate-id(.) = generate-
id($ISM_RESOURCE_ELEMENT))
    and
util:contributesToRollup(.)
    and
$ISM_CAPCO_RESOURCE
    and
not(@ism:classification='U')
    and
util:containsAnyOfTheTokens(@ism:ownerProducer, ('NATO'))]">
    <sch:assert
test="util:containsAnyOfTheTokens($ISM_RESOURCE_ELEMENT/
@ism:declassException, ('NATO', 'NATO-AEA'))"
    flag="error">
        [ISM-ID-00315][Error] If element meets ISM_CONTRIBUTES and
attribute
        ownerProducer contains the token [NATO], then attribute
declassException
        must be specified with a value of [NATO] or [NATO-AEA] on the
resourceElement.

        Human Readable: Any non-resource element 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>
```

2.247 - `./Rules/resourceElement/ISM_ID_00316.sch`

Rule Description: ISM-ID-00316 [ISM-ID-00316][Error] If ISM_CAPCO_RESOURCE and attribute declassExemption of ISM_RESOURCE_ELEMENT contains [NATO] then at least one element meeting ISM_CONTRIBUTES in the document must have a ownerProducer attribute containing [NATO]. Human Readable: USA documents marked with a NATO declass exemption must have NATO portions.

Code Description: If the document is an ISM_CAPCO_RESOURCE, the current element is the ISM_RESOURCE_ELEMENT, and attribute ism:declassExemption is specified with a value containing the value [NATO], then we make sure that some element meeting ISM_CONTRIBUTES specifies attribute ism:ownerProducer with a value containing [NATO].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
-->
<sch:pattern id="ISM-ID-00316">

      <sch:rule
context="*[$ISM_CAPCO_RESOURCE                and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)          and
util:containsAnyOfTheTokens(@ism:declassException, ('NATO'))]">
      <sch:assert test="index-
of($partOwnerProducer_tok, 'NATO')>0" flag="error">
      [ISM-ID-00316][Error] USA documents marked with a NATO declass
exemption must have NATO portions.
      </sch:assert>
      </sch:rule>
    </sch:pattern>
```

2.248 - `./Rules/resourceElement/ISM_ID_00317.sch`

Rule Description: ISM-ID-00317 [ISM-ID-00317][Error] If ISM_CAPCO_RESOURCE and attribute declassExemption of ISM_RESOURCE_ELEMENT contains [NATO-AEA] then at least one element meeting ISM_CONTRIBUTES in the document must have a 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_CAPCO_RESOURCE, the current element is the ISM_RESOURCE_ELEMENT, and attribute ism:declassExemption is specified with a value containing the value [NATO-AEA], then we make sure that some element meeting ISM_CONTRIBUTES specifies attribute ism:ownerProducer with a value containing [NATO] and ism:atomicEnergyMarkings.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00317">

    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)                          and
util:containsAnyOfTheTokens(@ism:declassException, ('NATO-AEA'))]">
        <sch:assert test="index-
of($partOwnerProducer_tok, 'NATO')>0 and
count($partAtomicEnergyMarkings_tok)>0"
            flag="error">
            [ISM-ID-00317][Error] 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>
```

2.249 - `./Rules/resourceElement/ISM_ID_00318.sch`

Rule Description: ISM-ID-00318 [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 rollup 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. The tetragraphs for TEYE, ACGU, and FVEY will be decomposed into their representative countries. All other tetragraphs will be treated as a wildcard of all countries since the membership is not known. Once the minimum possibility of intersecting countries is determined the rule checks that there is not a portion for which the banner is not a subset. Then it checks for the case of no common countries that can be rollup up to the resource element. There is a check that if the banner countries are a subset of the common countries that a `compilationReason` is specified. If `compilationReason` is not specified then the banner `releasableTo` countries must be the set of common countries from all contributing portions.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00318">
    <sch:rule context="*[generate-id(.) = generate-
id($ISM_RESOURCE_ELEMENT) and @ism:releasableTo]">
        <sch:let name="msg"
            value="'[ISM-ID-00318][Error] Rollup
compilation does not meet CAPCO guidance. '"/>
        <sch:let name="result"
value="util:checkRelToPortionsAgainstBannerAndGetCommonCountries(@ism:releasab
leTo, $partTags)"/>
        <sch:assert
test="if($result[1]='BANNER_NOT_A_SUBSET_OF_A_PORTION') then
false() else true()"
            flag="error">
            <sch:value-of select="$msg"/> There exists a portion
with @ism:releasableTo in this document for which
this banner @ism:releasableTo is not a subset.
        </sch:assert>
        <sch:assert test="if(count(tokenize(string($result),
' '))=0) then false() else true()"
            flag="error">
            <sch:value-of select="$msg"/> The banner cannot have
@ism:releasableTo because
there is no common country in @ism:releasableTo for the
contributing portions.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

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```

                <sch:assert
test="if(not(util:containsSpecialTetra(@ism:releasableTo)) and
@ism:compilationReason)
                then
util:bannerIsSubset(@ism:releasableTo, $result)
                else
true()"
                flag="error">
                <sch:value-of select="$msg"/> The banner
@ism:releasableTo must be a subset
                of the common countries for contributing portions because
@ism:compilationReason
                is specified. Common countries: [<sch:value-of select="$result"/
>].
                </sch:assert>
                <sch:assert
test="if(not(util:containsSpecialTetra(@ism:releasableTo)) and
not(@ism:compilationReason)
                then
util:bannerIsSubset(@ism:releasableTo, $result) and
util:bannerIsSubset($result, @ism:releasableTo)
                else
true()"
                flag="error">
                <sch:value-of select="$msg"/> The banner
@ism:releasableTo must be equal to
                the set of the common countries because @ism:compilationReason is
not specified.
                Common countries: [<sch:value-of select="$result"/>].
                </sch:assert>
                </sch:rule>
                </sch:pattern>

```

2.250 - `./Rules/resourceElement/ISM_ID_00319.sch`

Rule Description: ISM-ID-00319 [ISM-ID-00319][Error] If attribute `releasableTo` is specified, then it must contain more than a single token.

Code Description: If a portion specifies attribute `releasableTo`, then we make sure the token count is greater than 1.

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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    available for use without restriction.
-->
<sch:pattern id="ISM-ID-00319">

    <sch:rule context="*[@ism:releasableTo and
$ISM_CAPCO_RESOURCE]">
        <sch:assert test="count(tokenize(normalize-
space(string(@ism:releasableTo)), ' ')) > 1"
            flag="error">
            [ISM-ID-00319][Error] If attribute releasableTo is specified,
then it must
            contain more than a single token.
        </sch:assert>
    </sch:rule>
</sch:pattern>
```

2.251 - `./Rules/resourceElement/ISM_ID_00320.sch`

Rule Description: ISM-ID-00320

Code Description:

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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available for use without restriction.
    -->
<sch:pattern id="ISM-ID-00320">

    <sch:rule context="*[generate-id(.) = generate-
id($ISM_RESOURCE_ELEMENT) and                (@ism:releasableTo
or @ism:displayOnlyTo)]">
        <sch:let name="result"

value="util:checkDisplayToPortionsAgainstBannerAndGetCommonCountries(util:getD
isplayToCountries(.), $partTags)"/>
        <sch:assert
test="if($result[1]='BANNER_NOT_A_SUBSET_OF_A_PORTION')           then
false()                    else true()"
                                flag="error">
            [ISM-ID-00320][Error] There exists a portion with the combination
of @ism:releasableTo and @ism:displayOnlyTo in this document for which
            this banner @ism:releasableTo combined with the banner
@ism:releasableTo is not a subset
            </sch:assert>
                <sch:assert test="if(count(tokenize(string($result),
' '))=0)                    then false()                    else true()"
                                flag="error">
            [ISM-ID-00320][Error] The banner cannot have @ism:displayOnlyTo
because
            there is no common country in the contributing portions.
            </sch:assert>
                <sch:assert
test="if(not(util:containsSpecialTetra(util:getDisplayToCountries(.))) and
@ism:compilationReason)           then
util:bannerIsSubset(util:getDisplayToCountries(.),
$result)                    else true()"
                                flag="error">
            [ISM-ID-00320][Error] The banner @ism:releasableTo and
@ism:displayOnlyTo must be a subset
            of the common countries for contributing portions because
@ism:compilationReason
            is specified. Common countries: [<sch:value-of select="$result"/
>].
            </sch:assert>
                <sch:assert
test="if(not(util:containsSpecialTetra(util:getDisplayToCountries(.))) and
not(@ism:compilationReason)           then
```

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```
util:bannerIsSubset(util:getDisplayToCountries(.), $result) and
util:bannerIsSubset($result,
util:getDisplayToCountries(.))           else true()"
        flag="error">
    [ISM-ID-00320][Error] The banner @ism:releasableTo and
@ism:displayOnlyTo must be
    equal to the set of common countries for contributing portions
because @ism:compilationReason
    is not specified. Common countries: [<sch:value-of
select="$result"/>].
    </sch:assert>
        </sch:rule>
    </sch:pattern>
```

2.252 - `./Rules/atomicEnergyMarkings/ISM_ID_00321.sch`

Rule Description: ISM-ID-00321 [ISM-ID-00321][Error] If ISM_CAPCO_RESOURCE, then tokens [RD] and [FRD] are mutually exclusive for attribute atomicEnergyMarkings. Human Readable: RD and FRD 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-CAPCO-RESOURCE, for each element which has attribute ism:atomicEnergyMarkings specified with a value containing the token [RD] or [FRD], we make sure that attribute ism:disseminationControls is specified with a value containing only one of the tokens [RD] or [FRD].

Schematron Code:

```
<?ICEA pattern?><!-- Notices - Distribution Notice:
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-->
<sch:pattern id="ISM-ID-00321" is-a="MutuallyExclusiveAttributeValues">

      <sch:param name="context"
      value="*[$ISM_CAPCO_RESOURCE and
util:containsAnyOfTheTokens(@ism:atomicEnergyMarkings, ('RD', 'FRD'))]"/>
      <sch:param name="attrValue"
value="@ism:atomicEnergyMarkings"/>
      <sch:param name="mutuallyExclusiveTokenList" value="('RD',
'FRD')"/>
      <sch:param name="errMsg"
      value="' [ISM-ID-00321][Error] If
ISM_CAPCO_RESOURCE, then tokens [RD] and [FRD] are mutually
exclusive for attribute atomicEnergyMarkings. Human
Readable: RD and FRD are mutually exclusive and cannot be commingled
in a portion mark or in the banner line. '"/>
</sch:pattern>
```

Chapter 3 - Abstract Patterns

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

3.1 - `./Lib/AttributeContributesToRollup.sch`

Rule Description: AttributeContributesToRollup

Code Description: If the document is an ISM_CAPCO_RESOURCE and an element meeting ISM_CONTRIBUTES specifies attribute ism:\$attrLocalName with a value containing the token [\$value], then we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute ism:\$attrLocalName with a value containing the token [\$value].

Schematron Code:

```

<sch:pattern abstract="true" id="AttributeContributesToRollup">
  <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($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">
    <sch:value-of select="$errorMessage"/>
  </sch:assert>
</sch:rule>
</sch:pattern>

```

3.2 - `./Lib/AttributeContributesToRollupWithClassification.sch`

Rule Description: `AttributeContributesToRollupWithClassification`

Code Description: If the document is an `ISM_CAPCO_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 [`$value`], then we make sure that the `ISM_RESOURCE_ELEMENT` specifies the attribute `ism:$attrLocalName` with a value containing the token [`$value`].

Schematron Code:

```

    <sch:pattern abstract="true"
id="AttributeContributesToRollupWithClassification">

        <sch:rule
context="*[$ISM_CAPCO_RESOURCE                and generate-id(.) =
generate-id($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">
            <sch:value-of select="$errorMessage"/>
        </sch:assert>
    </sch:rule>
</sch:pattern>

```

3.3 - `./Lib/AttributeContributesToRollupWithException.sch`

Rule Description: AttributeContributesToRollupWithException

Code Description: If the document is an ISM_CAPCO_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 we make sure that the ISM_RESOURCE_ELEMENT specifies the attribute ism:\$attrLocalName with a value containing the token [\$value].

Schematron Code:

```

    <sch:pattern abstract="true"
id="AttributeContributesToRollupWithException">
        <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($ISM_RESOURCE_ELEMENT)                          and not(some $ele in
$partTags satisfies
util:containsAnyOfTheTokens($ele/@ism:$exceptAttrLocalName,
('$exceptValue'))                                           )
(
    some $ele in $partTags
satisfies
    util:containsAnyOfTheTokens($ele/@ism:
$attrLocalName, ('$value'))
)]">
            <sch:assert test="util:containsAnyOfTheTokens(@ism:
$attrLocalName, ('$value'))"
                flag="error">
                <sch:value-of select="$errorMessage"/>
            </sch:assert>
        </sch:rule>
    </sch:pattern>

```

3.4 - ../Lib/AttributeValueDeprecatedError.sch

Rule Description: AttributeValueDeprecatedError

Code Description:

Schematron Code:

```

    <sch:pattern abstract="true" id="AttributeValueDeprecatedError">
      <sch:rule context="$context">
        <sch:assert
test="count(      dvf:deprecated(      string(@ism:$attrName),
document('../..../CVE/ISM/$cveName.xml')//cve:CVE/cve:Enumeration/cve:Term[./
@deprecated],      $ISM_RESOURCE_CREATE_DATE,      true()      )=0"
          flag="error">
          [<sch:value-of select="$ruleId"/>][Error] For attribute
          <sch:value-of select="$attrName"/>, value(s)
          <sch:value-of select="      dvf:deprecated(      string(@ism:
$attrName),      document('../..../CVE/ISM/$cveName.xml')//cve:CVE/
cve:Enumeration/cve:Term[@deprecated],      $ISM_RESOURCE_CREATE_DATE,
true())"/>
          </sch:assert>
        </sch:rule>
      </sch:pattern>

```

3.5 - `./Lib/AttributeValueDeprecatedWarning.sch`

Rule Description: AttributeValueDeprecatedWarning

Code Description:

Schematron Code:

```

    <sch:pattern abstract="true" id="AttributeValueDeprecatedWarning">
      <sch:rule context="$context">
        <sch:assert test="
count(      dvf:deprecated(      string(@ism:$attrName),
document(' ../../CVE/ISM/$cveName.xml')//cve:CVE/cve:Enumeration/cve:Term[./
@deprecated],      $ISM_RESOURCE_CREATE_DATE,      false()      )      )=0"
          flag="warning">
          [<sch:value-of select="$ruleId"/>][Warning] For attribute
          <sch:value-of select="$attrName"/>, value(s)
          <sch:value-of select="      dvf:deprecated(      string(@ism:
$attrName),      document(' ../../CVE/ISM/$cveName.xml')//cve:CVE/
cve:Enumeration/cve:Term[@deprecated],      $ISM_RESOURCE_CREATE_DATE,
false()      )      "/>
          </sch:assert>
        </sch:rule>
      </sch:pattern>

```

3.6 - ../Lib/DataHasCorrespondingNotice.sch

Rule Description: DataHasCorrespondingNotice

Code Description:

Schematron Code:

```

    <sch:pattern abstract="true" id="DataHasCorrespondingNotice">
      <sch:rule
context="*[$ISM_CAPCO_RESOURCE
util:contributesToRollup(.)
($noticeType)]">
        and
        util:containsAnyOfTheTokens($attrValue,
        <sch:assert test="
satisfies ($selem[@ism:noticeType]
util:containsAnyOfTheTokens($selem/@ism:noticeType, ($noticeType))
and not
($selem/@ism:externalNotice=true())"
        flag="error">
        [<sch:value-of select="$ruleId"/>][Error]
        If ISM_CAPCO_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"/>].

        Human Readable:
        USA documents containing <sch:value-of select="$noticeType"/>
        data must also have an <sch:value-of select="$noticeType"/>
notice.
      </sch:assert>
    </sch:rule>
  </sch:pattern>

```

3.7 - `./Lib/DataHasCorrespondingNoticeWithException.sch`

Rule Description: DataHasCorrespondingNoticeWithException

Code Description:

Schematron Code:

```

    <sch:pattern abstract="true"
id="DataHasCorrespondingNoticeWithException">
        <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and
util:contributesToRollup(.)                                and util:containsAnyOfTheTokens($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
($elem/@ism:externalNotice=true())"
                                flag="error">
                [<sch:value-of select="$ruleId"/>][Error]
                If ISM_CAPCO_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"/>].

                Human Readable:
                USA documents containing <sch:value-of select="$noticeType"/>
                data must also have an <sch:value-of select="$noticeType"/>
notice.
            </sch:assert>
        </sch:rule>
    </sch:pattern>

```

3.8 - `./Lib/MutuallyExclusiveAttributeValues.sch`

Rule Description: MutuallyExclusiveAttributeValues

Code Description:

Schematron Code:

```
<sch:pattern abstract="true" id="MutuallyExclusiveAttributeValues">
  <sch:rule context="$context">
    <sch:assert test="count( for $token in
tokenize(normalize-space(string($attrValue)), ' ') return if($token =
$mutuallyExclusiveTokenList) then 1 else null ) = 1"
flag="warning">
      <sch:value-of select="$errMsg"/>
    </sch:assert>
  </sch:rule>
</sch:pattern>
```

3.9 - ../Lib/NonCompilationDocumentRollup.sch

Rule Description: NonCompilationDocumentRollup

Code Description: If ISM_CAPCO_RESOURCE and attribute \$attrLocalName of ISM_RESOURCE_ELEMENT has a value of [\$value] and attribute ism:compilationReason does not have a value, then we make sure that at least one element meeting ISM_CONTRIBUTES specifies attribute \$attrLocalName with a value of [\$value].

Schematron Code:

```

<sch:pattern abstract="true" id="NonCompilationDocumentRollup">
    <sch:rule
context="*[$ISM_CAPCO_RESOURCE                                and generate-id(.) =
generate-id($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">
                                <sch:value-of select="$errorMessage"/>
        </sch:assert>
    </sch:rule>
</sch:pattern>

```

3.10 - ./Lib/NoticeHasCorrespondingData.sch

Rule Description: NoticeHasCorrespondingData

Code Description:

Schematron Code:

```

    <sch:pattern abstract="true" id="NoticeHasCorrespondingData">
        <sch:rule context="*[$ISM_CAPCO_RESOURCE          and
util:contributesToRollup(.)                and not
(@ism:externalNotice=true())              and
util:containsAnyOfTheTokens(@ism:noticeType, ($dataType))]">
            <sch:assert test="          index-of($dataTokenList,
$dataType)>0" flag="error">
                [<sch:value-of select="$ruleId"/>][Error]
                If ISM_CAPCO_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>

```

3.11 - `./Lib/ValidateTokenValuesExistenceInList.sch`

Rule Description: `ValidateTokenValuesExistenceInList`

Code Description:

Schematron Code:

```
<!--
  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
  $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="@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>

  Note: $iso4217TrigraphList is defined in the main document, IRM_XML.xml.
-->
<sch:pattern abstract="true" id="ValidateTokenValuesExistenceInList">

  <sch:rule context="$context">
    <sch:assert test="every $searchTerm in
tokenize(normalize-space(string($searchTermList)), ' ')
satisfies
  $searchTerm = $list or
(some $listTerm in $list satisfies (matches(normalize-space($searchTerm),
concat('^', $listTerm, '$'))))
    "
    flag="error">
    <sch:value-of select="$errMsg"/>
  </sch:assert>
  </sch:rule>
</sch:pattern>
```

3.12 - `./Lib/ValidateValueExistenceInList.sch`

Rule Description: `ValidateValueExistenceInList`

Code Description:

Schematron Code:

```
<!--
  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 CVEEnumIRMCoverageFIPSDigraph.xml.
  "/>
</sch:pattern>

  Note: $iso4217TrigraphList is defined in the main document, IRM_XML.xml.
-->
<sch:pattern abstract="true" id="ValidateValueExistenceInList">

      <sch:rule context="$context">
        <sch:assert test="
satisfies          $token = $searchTerm          some $token in $list
                    "
                    flag="error">
          <sch:value-of select="$errMsg"/>
        </sch:assert>
      </sch:rule>
</sch:pattern>
```

3.13 - ./Lib/ValuesOrderedAccordingToCve.sch

Rule Description: ValuesOrderedAccordingToCve

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:

```

    <sch:pattern abstract="true" id="ValuesOrderedAccordingToCve">
        <sch:rule context="*[$ISM_CAPCO_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,
$cveTermList),' ')) = 0"
                flag="error">
                <sch:value-of select="$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>

```

Chapter 4 - 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.

4.1 - `./ISM_XML.sch`

Rule Description: This is the root file for the ISM Schematron rule set. It loads all of the required CVEs declares some variables and includes all of the Rule .sch files.

Code Description: This is the root file for the ISM Schematron rule set. It loads all of the required CVEs declares some variables and includes all of the Rule .sch files.

Schematron Code:

```
<?ICEA master?><!-- UNCLASSIFIED --><!-- Notices - Distribution Notice:
    This document is being made available by the Intelligence
Community Chief Information Officer
    to Federal, State, Local, Tribal, and Foreign Partners and
associated contractors. Approval for
    any further distribution must be coordinated via the Intelligence
Community Chief Information
    Officer, Mission Engagement Division at standardssupport@dni.gov--
><!-- WARNING:
    Once compiled into an XSLT the result will
    be the aggregate classification of all the CVES
    and included .sch files
-->
<sch:schema xmlns:cve="urn:us:gov:ic:cve" xmlns:xsl="http://www.w3.org/
1999/XSL/Transform"
            xmlns:xs="http://www.w3.org/2001/XMLSchema"
            queryBinding="xslt2">
    <sch:ns uri="urn:us:gov:ic:ism" prefix="ism"/>
    <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/DataHasCorrespondingNotice.sch"/>
    <sch:include href="Lib/
DataHasCorrespondingNoticeWithException.sch"/>
    <sch:include href="Lib/
MutuallyExclusiveAttributeValues.sch"/>
    <sch:include href="Lib/NonCompilationDocumentRollup.sch"/>
    <sch:include href="Lib/NoticeHasCorrespondingData.sch"/>
    <sch:include href="Lib/TypeConstraintPatterns.sch"/>
    <sch:include href="Lib/ValidateValueExistenceInList.sch"/>
    <sch:include href="Lib/
ValidateTokenValuesExistenceInList.sch"/>
```

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```

        <sch:include href="Lib/ValuesOrderedAccordingToCve.sch"/>

        <!-- (U) Resources -->
        <sch:let name="countriesList"
            value="document(' ../../CVE/ISM/
CVEnumISMOwnerProducer.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/ISM/
CVEnumISMOwnerProducer.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/ISM/
CVEnumISMFGIOpen.xml ')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
            <sch:let name="FGISourceProtectedList"
                value="document(' ../../CVE/ISM/
CVEnumISMFGIProtected.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/ISM/
CVEnumISMRelTo.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="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="compliesWithList"
                value="document(' ../../CVE/ISM/
CVEnumISMCompliesWith.xml ')//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
            <sch:let name="atomicEnergyMarkingsList"
                value="document(' ../../CVE/ISM/

```

```

CVerenumISMAAtomicEnergyMarkings.xml' )//cve:CVE/cve:Enumeration/cve:Term/
cve:Value"/>
    <sch:let name="displayOnlyToList"
        value="document('.../CVE/ISM/
CVerenumISMRelTo.xml' )//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>
    <sch:let name="pocTypeList"
        value="document('.../CVE/ISM/
CVerenumISMPocType.xml' )//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>

    <!-- (U) Resources that may include FOUO values -->
    <sch:let name="disseminationControlsList"
        value="document('.../CVE/ISM/
CVerenumISMDissem.xml' )//cve:CVE/cve:Enumeration/cve:Term/cve:Value"/>

    <!--=====-->
    <!-- (U) Universal Lets -->
    <!--=====-->
    <!-- ISM_RESOURCE_ELEMENT (node): The first element with attribute
ism:resourceElement='true' -->
    <sch:let name="ISM_RESOURCE_ELEMENT"
        value="(for $each in (//* ) return if($each/
@ism:resourceElement=true() ) 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"/>

    <!-- (U) ISM_CAPCO_RESOURCE (boolean): True if the resource
is a CAPCO-applicable resource, or the ism:ownerProducer attribute on the
ISM_RESOURCE_ELEMENT node contains [USA]. False otherwise. -->
    <sch:let name="ISM_CAPCO_RESOURCE"
        value="index-of(tokenize(normalize-
space(string($ISM_RESOURCE_ELEMENT/@ism:ownerProducer)), ' '), 'USA') > 0"/>

    <!-- (U) ISM_ICDOCUMENT_APPLIES (boolean): True if the
document claims compliance rules for an IC Document, or if the
ism:compliesWith attribute of the ISM_RESOURCE_ELEMENT node contains
[ICDocument]. False otherwise. -->
    <sch:let name="ISM_ICDOCUMENT_APPLIES"
        value="(index-of(tokenize(normalize-
space(string($ISM_RESOURCE_ELEMENT/@ism:compliesWith)), ' '), 'ICDocument' )
> 0) or
index-of(tokenize(normalize-
space(string($ISM_RESOURCE_ELEMENT/@ism:compliesWith)), ' '), 'IntelReport' )
> 0"/>

    <sch:let name="ISM_INTELREPORT_APPLIES"
        value="index-of(tokenize(normalize-
space(string($ISM_RESOURCE_ELEMENT/@ism:compliesWith)), ' '), 'IntelReport' )
> 0"/>

    <!-- (U) ISM_DOD5230_24_APPLIES (boolean): True if the

```

```

document claims compliance with DoD5230.24, or if the
    ism:compliesWith attribute of the ISM_RESOURCE_ELEMENT node contains
[DoD5230.24]. False otherwise. -->
    <sch:let name="ISM_DOD5230_24_APPLIES"
        value="index-of(tokenize(normalize-
space(string($ISM_RESOURCE_ELEMENT/@ism:compliesWith)), ' '), 'DoD5230.24')
> 0"/>

    <!-- (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($ISM_RESOURCE_ELEMENT/@ism:noticeType))"/>
    <sch:let name="bannerAtomicEnergyMarkings"
        value="normalize-
space(string($ISM_RESOURCE_ELEMENT/@ism:atomicEnergyMarkings))"/>

    <!-- (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($bannerNotice)), ' ')" />
        <sch:let name="bannerAtomicEnergyMarkings_tok"
            value="tokenize(normalize-
space(string($bannerAtomicEnergyMarkings)), ' ')" />

        <!-- (U) Get all portions that meet ISM_CONTRIBUTES, or all
non-resource nodes that do not specify ism:excludeFromRollup='true' -->
        <!-- (U) 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:* 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="partPocType"
        value="for $token in $partTags/@ism:pocType return
tokenize(normalize-space(string($token)), ' ')/>

    <!-- (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="partPocType_tok"
        value="for $token in $partPocType return
tokenize(normalize-space(string($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_CAPCO_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="$ISM_CAPCO_RESOURCE and
not($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) Define countries that are included in the THREE-,
FOUR- and FIVE-EYES designations -->
    <sch:let name="TEYE_tok" value="tokenize(string('USA CAN GBR'),
' ' )"/>
    <sch:let name="ACGU_tok" value="tokenize(string('USA AUS
CAN GBR'), ' ' )"/>
    <sch:let name="FVEY_tok" value="tokenize(string('USA AUS
CAN GBR NZL'), ' ' )"/>

    <!-- (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"/>

    <!--*****-->
    <!-- (U) Custom XSLT functions -->
    <!--*****-->

    <!--
Returns true if the attribute @ism:excludeFromRollup is present and

```

```

evaluates to 'true'
  -->
    <xsl:function name="util:contributesToRollup" as="xs:boolean">
      <xsl:param name="context"/>
      <xsl:value-of select="not(string($context/
@ism:excludeFromRollup)='true')"/>
    </xsl:function>

    <!-- Evaluate the attribute value tokens to determine
whether any values
have been deprecated by comparing deprecation dates against
$curDate.
If the value is deprecated, return either an ERROR or WARNING
message,
depending on the isError flag. -->
    <xsl:function name="dvf:deprecated" as="xs:string*">
      <xsl:param name="attribute" as="xs:string"/>
      <xsl:param name="depTerms" as="element()*"/>
      <xsl:param name="curDate" as="xs:date?"/>
      <xsl:param name="isError" as="xs:boolean"/>
      <!--$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 we have a 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 name="util:containsAnyTokenMatching" as="xs:boolean">
      <xsl:param name="attribute"/>
      <xsl:param name="regexList" as="xs:string+"/>
      <xsl:value-of 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 name="util:containsAnyOfTheTokens" as="xs:boolean">
            <xsl:param name="attribute"/>
            <xsl:param name="tokenList" as="xs:string+"/>
            <xsl:value-of select="
tokenize(normalize-space(string($attribute)), ' ') satisfies
$attrToken = $tokenList
            "/>
        </xsl:function>

        <!--
        Determines if values in an attribute are in sorted order based on a
        master list
        -->
        <xsl:function 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="$attrValues">
                    <!-- iterate over each attribute value,
except the last one because we compare i to i+1 so the last one gets
incorporated -->
                    <xsl:if test="not(index-of($attrValues,
current())[last()] = count($attrValues))">

                        <!-- calculate the indicies 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($attrValues,current()+1)]"/>
    </xsl:when>
</xsl:choose>
</xsl:if>
</xsl:for-each>
</xsl:variable>
<xsl:value-of select="normalize-
space(string($badValues))"/>
</xsl:function>

<!-- Return the index position in the list that matches the
value. -1 if no match -->
<xsl:function 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="$index = ''">
      <xsl:value-of select="-1"/>
    </xsl:when>
    <xsl:otherwise>
      <xsl:value-of select="number($index[1])"/>
    </xsl:otherwise>
  </xsl:choose>
</xsl:function>

<!--
Returns true if the value match the provided regular expressions.
-->
<xsl:function name="util:meetsType" as="xs:boolean">
  <xsl:param name="value"/>
  <xsl:param name="typePattern" as="xs:string"/>
  <xsl:value-of select="matches(normalize-
space(string($value)), concat('^(', $typePattern, ')$'))"/>
</xsl:function>

```

```

        <!-- Functions to support FD&R roll-up constraints -->

        <!-- Returns true if the provided tetragraph is an EYES tetragraph (3,4,5-
EYES); false otherwise -->
        <xsl:function name="util:isEyesTetragraph" as="xs:boolean">
            <xsl:param name="unknownTetra"/>
            <xsl:value-of select="$unknownTetra = ('FVEY', 'ACGU',
'TEYE')"/>
        </xsl:function>

        <!--
        Accepts a list of tokens (trigraphs and tetragraphs)
        Returns the same list of tokens with 3,4,5-EYES decomposed into trigraphs
        Note: this may introduce duplicates (ie, "USA FVEY" will become "USA USA
GBR CAN AUS NZL")
        -->
        <xsl:function name="util:decomposeTetragraphs" as="xs:string*">
            <xsl:param name="releasableTo" as="xs:string"/>
            <xsl:value-of select="for $token in tokenize(normalize-
space($releasableTo), ' ') return
                if($token = 'FVEY')
then tokenize('USA GBR CAN AUS NZL', ' ')
                else if($token =
'ACGU')
then tokenize('USA GBR CAN AUS', ' ')
                else
if($token = 'TEYE')
then tokenize('USA GBR CAN', ' ')
else $token"/>
        </xsl:function>

        <!-- Returns true if the input contains any tetragraph
other than 3,4,5-EYES; false otherwise -->
        <xsl:function name="util:containsSpecialTetra" as="xs:boolean">
            <xsl:param name="releasableTo" as="xs:string"/>
            <xsl:value-of select="some $token in tokenize(normalize-
space($releasableTo), ' ') satisfies
                string-length($token) = 4
and not(util:isEyesTetragraph($token))"/>
        </xsl:function>

        <!--
        Accepts a list of tokens (trigraphs and tetragraphs)
        Returns the same list with EYES tokens decomposed into trigraphs and
other tetra graphs removed
        Example: "AAA FVEY ABCD" becomes "AAA USA GBR CAN AUS NZL"
        -->
        <xsl:function name="util:extractTrigraphs" as="xs:string*">
            <xsl:param name="toExtractFrom" as="xs:string"/>
            <xsl:value-of select="for $token in tokenize(normalize-
space($toExtractFrom), ' ') return
                if(string-length($token) =
3)
then $token
                else
if(util:isEyesTetragraph($token))
then
util:decomposeTetragraphs($token)
                else ()"/>
        </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

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otherwise -->
  <xsl:function 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:value-of
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 name="util:containsFDR" as="xs:boolean">
    <xsl:param name="elementNode" as="node()"/>
    <xsl:value-of 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 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:value-of 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 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()*"/>

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        <xsl:variable name="portion"
select="$remainingPartTags[1]"/>

        <xsl:choose>
            <xsl:when test="count(tokenize($commonCountries,
' ')) = 0">
                <!-- base case, if commonCountries is the empty set, then
there
                is no common country to release to and the document is NF
-->
                <xsl:value-of select="()"/>
            </xsl:when>
            <xsl:when test="count($remainingPartTags) = 0">
                <!-- base case, no more portions to look at, return
commonCountries -->
                <xsl:value-of select="$commonCountries"/>
            </xsl:when>
            <xsl:when test="not(util:containsFDR($portion)) and
$portion/@ism:classification='U'">
                <!-- normal unclass portion without FRD markings does not
impact releasability, iterate over this portion -->
                <xsl:value-of
select="util:recursivelyCheckRelTo($bannerRelTo, $commonCountries,
subsequence($remainingPartTags, 2)"/>
            </xsl:when>
            <xsl:when test="not($portion/@ism:releasableTo)">
                <!-- this portion contributes and is not releasable, so it
means there are no common countries -->
                <xsl:value-of select="()"/>
            </xsl:when>
            <xsl:when test="util:containsSpecialTetra($portion/
@ism:releasableTo)">
                <!-- this portion has special tetras. We cannot handle
special tetras, so iterate over this portion -->
                <xsl:value-of
select="util:recursivelyCheckRelToRecurseHelper($bannerRelTo,
$commonCountries, $remainingPartTags)"/>
            </xsl:when>
            <xsl:otherwise>
                <!-- this portion has no special tetras, check it -->
                <xsl:choose>
                    <xsl:when
test="util:bannerIsSubset($bannerRelTo, $portion/@ism:releasableTo)">
                        <!-- banner releasableTo is correctly a subset of
this portion releasableTo, iterate to next portion -->
                        <xsl:value-of
select="util:recursivelyCheckRelToRecurseHelper($bannerRelTo,
$commonCountries, $remainingPartTags)"/>
                    </xsl:when>
                    <xsl:otherwise>
                        <!-- banner says releasableTo a country that this
portion is not releasableTo, so we know it is wrong -->
                        <xsl:value-of

```

```

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 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($remainingPartTags) = 1">
                <!-- we just checked the last item in the list, give empty
list to kill recursion -->
                <xsl:value-of
select="util:recursivelyCheckRelTo($bannerRelTo,
util:intersectionOfCountries($commonCountries, $portion/@ism:releasableTo),
())"/>
                </xsl:when>
                <xsl:otherwise>
                    <!-- remove the first portion in the list (the one we just
checked) -->
                    <xsl:value-of
select="util:recursivelyCheckRelTo($bannerRelTo,
util:intersectionOfCountries($commonCountries, $portion/@ism:releasableTo),
subsequence($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
name="util:checkRelToPortionsAgainstBannerAndGetCommonCountries"
as="xs:string*">
                <xsl:param name="bannerRelTo" as="xs:string"/>
                <xsl:param name="remainingPartTags" as="node()*"/>

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        <xsl:variable name="portion"
select="$remainingPartTags[1]"/>

        <xsl:choose>
            <xsl:when test="count($remainingPartTags) = 0">
                <!-- no portions provided, so we either: had no portions to
begin with OR no portion had a special tetra -->
                <xsl:value-of select="('PASS')"/>
            </xsl:when>
            <xsl:when test="util:containsFDR($portion) and
not($portion/@ism:releasableTo)">
                <!-- this portion contributes, contains FD&R markings, and is
not releasable so the commonCountry set is empty -->
                <xsl:value-of select="()"/>
            </xsl:when>
            <xsl:when test="$portion/@ism:releasableTo and
not(util:containsSpecialTetra($portion/@ism:releasableTo))">
                <!-- first portion with releasableTo that does not have a
special tetra; use it to seed common country list -->
                <xsl:value-of
select="util:recursivelyCheckRelTo($bannerRelTo,
util:decomposeTetragraphs($portion/@ism:releasableTo), $remainingPartTags)"/>
            </xsl:when>
            <xsl:otherwise>
                <!-- remove the first portion in the list (the one we just
checked) -->
                <xsl:value-of
select="util:checkRelToPortionsAgainstBannerAndGetCommonCountries($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 name="util:getDisplayToCountries">
        <xsl:param name="portion" as="node()"/>
        <xsl:value-of 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 name="util:isDisplayable" as="xs:boolean">
        <xsl:param name="portion" as="node()"/>
        <xsl:value-of 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

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are consistent with the banner. Returns the list of common countries if
no portion fails constraint checking -->
  <xsl:function 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($commonCountries,
' ') = 0">
        <!-- base case, if commonCountries is the empty set, then
there
        is no common country to display to -->
        <xsl:value-of select="()"/>
      </xsl:when>
      <xsl:when test="count($remainingPartTags) = 0">
        <!-- base case, no more portions to look at, return
commonCountries -->
        <xsl:value-of select="$commonCountries"/>
      </xsl:when>
      <xsl:when test="not(util:containsFDR($portion)) and
$portion/@ism:classification='U'">
        <!-- normal unclass portion without FRD markings does not
impact displayability, iterate over this portion -->
        <xsl:value-of
select="util:recursivelyCheckRelTo($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:value-of select="()"/>
      </xsl:when>
      <xsl:when
test="util:containsSpecialTetra(util:getDisplayToCountries($portion))">
        <!-- this portion has special tetras. We cannot handle
special tetras, so iterate over this portion -->
        <xsl:value-of
select="util:recursivelyCheckDisplayToRecurseHelper($bannerRelToAndDisplayTo,
$commonCountries, $remainingPartTags)"/>
      </xsl:when>
      <xsl:otherwise>
        <!-- this portion has no special tetras, check it -->
        <xsl:choose>
          <xsl:when
test="util:bannerIsSubset($bannerRelToAndDisplayTo,
util:getDisplayToCountries($portion))">
            <!-- banner displayTo list is correctly a subset of
this portion displayTo list, iterate to next portion -->

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        <xsl:value-of
select="util:recursivelyCheckDisplayToRecurseHelper($bannerRelToAndDisplayTo,
$commonCountries, $remainingPartTags)"/>
        </xsl:when>
        <xsl:otherwise>
        <!-- banner says displayTo a country that this
portion is not displayable to, so we know it is wrong -->
        <xsl:value-of
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 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($remainingPartTags) = 1">
                    <!-- we just checked the last item in the list, give empty
list to kill recursion -->
                    <xsl:value-of
select="util:recursivelyCheckDisplayTo($bannerRelToAndDisplayTo,
util:intersectionOfCountries($commonCountries,
util:getDisplayToCountries($portion)), ())"/>
                    </xsl:when>
                    <xsl:otherwise>
                        <!-- remove the first portion in the list (the one we just
checked) -->
                        <xsl:value-of
select="util:recursivelyCheckDisplayTo($bannerRelToAndDisplayTo,
util:intersectionOfCountries($commonCountries,
util:getDisplayToCountries($portion)), subsequence($remainingPartTags, 2))"/>
                        </xsl:otherwise>
                    </xsl:choose>
                </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

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```

initial common
    countries list for the recursive function.
    -->
    <xsl:function
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($remainingPartTags) = 0">
                <!-- no portions provided, so we either: had no portions to
begin with OR no portion had a special tetra -->
                <xsl:value-of select="('PASS')"/>
            </xsl:when>
            <xsl:when test="util:containsFDR($portion) and
not(util:isDisplayable($portion))">
                <!-- this portion contributes, contains FD&R markings, and is
not displayable so the commonCountry set is empty -->
                <xsl:value-of select="()"/>
            </xsl:when>
            <xsl:when test="util:isDisplayable($portion) and
not(util:containsSpecialTetra(util:getDisplayToCountries($portion)))">
                <!-- first portion with releasableTo or displayOnlyTo that
does not have a special tetra; use it to seed common country list -->
                <xsl:value-of
select="util:recursivelyCheckDisplayTo($bannerRelToAndDisplayTo,
util:decomposeTetragraphs(util:getDisplayToCountries($portion)),
$remainingPartTags)"/>
            </xsl:when>
            <xsl:otherwise>
                <!-- remove the first portion in the list (the one we just
checked) and iterate -->
                <xsl:value-of
select="util:checkDisplayToPortionsAgainstBannerAndGetCommonCountries($bannerR
elToAndDisplayTo, subsequence($remainingPartTags, 2))"/>
            </xsl:otherwise>
        </xsl:choose>
    </xsl:function>

    <!--_*****_-->
<!-- (U) ISM ID Rules -->
<!--_*****_-->

<!--(U) ACCM-->
    <sch:include href="./Rules/ACCM/ISM_ID_00220.sch"/>

    <!--(U) atomicEnergyMarkings-->
    <sch:include href="./Rules/atomicEnergyMarkings/ISM_ID_00173.sch"/>
    <sch:include href="./Rules/atomicEnergyMarkings/

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ISM_ID_00174.sch"/>
    <sch:include href="./Rules/atomicEnergyMarkings/
ISM_ID_00175.sch"/>
    <sch:include href="./Rules/atomicEnergyMarkings/
ISM_ID_00176.sch"/>
    <sch:include href="./Rules/atomicEnergyMarkings/
ISM_ID_00178.sch"/>
    <sch:include href="./Rules/atomicEnergyMarkings/
ISM_ID_00181.sch"/>
    <sch:include href="./Rules/atomicEnergyMarkings/
ISM_ID_00182.sch"/>
    <sch:include href="./Rules/atomicEnergyMarkings/
ISM_ID_00183.sch"/>
    <sch:include href="./Rules/atomicEnergyMarkings/
ISM_ID_00184.sch"/>
    <sch:include href="./Rules/atomicEnergyMarkings/
ISM_ID_00185.sch"/>
    <sch:include href="./Rules/atomicEnergyMarkings/
ISM_ID_00321.sch"/>

    <!--(U) classification-->
    <sch:include href="./Rules/classification/ISM_ID_00015.sch"/>
    <sch:include href="./Rules/classification/
ISM_ID_00016.sch"/>
    <sch:include href="./Rules/classification/
ISM_ID_00040.sch"/>
    <sch:include href="./Rules/classification/
ISM_ID_00115.sch"/>
    <sch:include href="./Rules/classification/
ISM_ID_00142.sch"/>

    <!--(U) classifiedBy-->
    <sch:include href="./Rules/classifiedBy/ISM_ID_00017.sch"/>

    <!--(U) compliesWith-->
    <sch:include href="./Rules/compliesWith/ISM_ID_00222.sch"/>

    <!--(U) declassException-->
    <sch:include href="./Rules/declassException/ISM_ID_00003.sch"/>
    <sch:include href="./Rules/declassException/
ISM_ID_00023.sch"/>
    <sch:include href="./Rules/declassException/
ISM_ID_00133.sch"/>
    <sch:include href="./Rules/declassException/
ISM_ID_00299.sch"/>

    <!--(U) DeclassManualReview-->
    <sch:include href="./Rules/DeclassManualReview/ISM_ID_00101.sch"/>

    <!--(U) derivativelyClassifiedBy-->
    <sch:include href="./Rules/derivativelyClassifiedBy/ISM_ID_00143.sch"/>
    <sch:include href="./Rules/derivativelyClassifiedBy/
ISM_ID_00221.sch"/>

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<!--(U) displayOnlyTo-->
<sch:include href="./Rules/displayOnlyTo/ISM_ID_00167.sch"/>
  <sch:include href="./Rules/displayOnlyTo/ISM_ID_00168.sch"/>

  <!--(U) disseminationControls-->
  <sch:include href="./Rules/disseminationControls/ISM_ID_00004.sch"/>
    <sch:include href="./Rules/disseminationControls/
ISM_ID_00026.sch"/>
      <sch:include href="./Rules/disseminationControls/
ISM_ID_00027.sch"/>
        <sch:include href="./Rules/disseminationControls/
ISM_ID_00028.sch"/>
          <sch:include href="./Rules/disseminationControls/
ISM_ID_00029.sch"/>
            <sch:include href="./Rules/disseminationControls/
ISM_ID_00030.sch"/>
              <sch:include href="./Rules/disseminationControls/
ISM_ID_00031.sch"/>
                <sch:include href="./Rules/disseminationControls/
ISM_ID_00033.sch"/>
                  <sch:include href="./Rules/disseminationControls/
ISM_ID_00034.sch"/>
                    <sch:include href="./Rules/disseminationControls/
ISM_ID_00050.sch"/>
                      <sch:include href="./Rules/disseminationControls/
ISM_ID_00052.sch"/>
                        <sch:include href="./Rules/disseminationControls/
ISM_ID_00053.sch"/>
                          <sch:include href="./Rules/disseminationControls/
ISM_ID_00054.sch"/>
                            <sch:include href="./Rules/disseminationControls/
ISM_ID_00091.sch"/>
                              <sch:include href="./Rules/disseminationControls/
ISM_ID_00092.sch"/>
                                <sch:include href="./Rules/disseminationControls/
ISM_ID_00093.sch"/>
                                  <sch:include href="./Rules/disseminationControls/
ISM_ID_00094.sch"/>
                                    <sch:include href="./Rules/disseminationControls/
ISM_ID_00106.sch"/>
                                      <sch:include href="./Rules/disseminationControls/
ISM_ID_00107.sch"/>
                                        <sch:include href="./Rules/disseminationControls/
ISM_ID_00117.sch"/>
                                          <sch:include href="./Rules/disseminationControls/
ISM_ID_00120.sch"/>
                                            <sch:include href="./Rules/disseminationControls/
ISM_ID_00124.sch"/>
                                              <sch:include href="./Rules/disseminationControls/
ISM_ID_00140.sch"/>
                                                <sch:include href="./Rules/disseminationControls/
ISM_ID_00164.sch"/>
                                                  <sch:include href="./Rules/disseminationControls/
ISM_ID_00169.sch"/>
```

```

        <sch:include href="./Rules/disseminationControls/
ISM_ID_00213.sch"/>
        <sch:include href="./Rules/disseminationControls/
ISM_ID_00215.sch"/>
        <sch:include href="./Rules/disseminationControls/
ISM_ID_00302.sch"/>

        <!--(U) FGIsorceOpen-->
        <sch:include href="./Rules/FGIsorceOpen/ISM_ID_00005.sch"/>
        <sch:include href="./Rules/FGIsorceOpen/ISM_ID_00024.sch"/>
        <sch:include href="./Rules/FGIsorceOpen/ISM_ID_00095.sch"/>
        <sch:include href="./Rules/FGIsorceOpen/ISM_ID_00216.sch"/>
        <sch:include href="./Rules/FGIsorceOpen/ISM_ID_00232.sch"/>
        <sch:include href="./Rules/FGIsorceOpen/ISM_ID_00233.sch"/>

        <!--(U) FGIsorceProtected-->
        <sch:include href="./Rules/FGIsorceProtected/ISM_ID_00006.sch"/>
ISM_ID_00025.sch"/>
        <sch:include href="./Rules/FGIsorceProtected/
ISM_ID_00096.sch"/>
        <sch:include href="./Rules/FGIsorceProtected/
ISM_ID_00097.sch"/>
        <sch:include href="./Rules/FGIsorceProtected/
ISM_ID_00217.sch"/>
        <sch:include href="./Rules/FGIsorceProtected/
ISM_ID_00218.sch"/>
        <sch:include href="./Rules/FGIsorceProtected/
ISM_ID_00234.sch"/>
        <sch:include href="./Rules/FGIsorceProtected/
ISM_ID_00235.sch"/>

        <!--(U) generalConstraints-->
        <sch:include href="./Rules/generalConstraints/ISM_ID_00002.sch"/>
ISM_ID_00012.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00098.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00102.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00103.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00119.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00125.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00126.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00166.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00170.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00179.sch"/>

```

```
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00180.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00188.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00189.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00190.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00191.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00192.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00193.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00194.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00195.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00196.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00197.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00198.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00199.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00200.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00201.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00202.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00203.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00204.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00205.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00206.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00207.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00208.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00209.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00210.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00211.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00212.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00223.sch"/>
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        <sch:include href="./Rules/generalConstraints/
ISM_ID_00226.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00236.sch"/>
        <sch:include href="./Rules/generalConstraints/
ISM_ID_00300.sch"/>

        <!--(U) nonICmarkings-->
<sch:include href="./Rules/nonICmarkings/ISM_ID_00007.sch"/>
        <sch:include href="./Rules/nonICmarkings/ISM_ID_00035.sch"/>
        <sch:include href="./Rules/nonICmarkings/ISM_ID_00036.sch"/>
        <sch:include href="./Rules/nonICmarkings/ISM_ID_00037.sch"/>
        <sch:include href="./Rules/nonICmarkings/ISM_ID_00038.sch"/>
        <sch:include href="./Rules/nonICmarkings/ISM_ID_00051.sch"/>
        <sch:include href="./Rules/nonICmarkings/ISM_ID_00055.sch"/>
        <sch:include href="./Rules/nonICmarkings/ISM_ID_00148.sch"/>
        <sch:include href="./Rules/nonICmarkings/ISM_ID_00225.sch"/>
        <sch:include href="./Rules/nonICmarkings/ISM_ID_00252.sch"/>
        <sch:include href="./Rules/nonICmarkings/ISM_ID_00313.sch"/>
        <sch:include href="./Rules/nonICmarkings/ISM_ID_00314.sch"/>

        <!--(U) nonUSControls-->
<sch:include href="./Rules/nonUSControls/ISM_ID_00163.sch"/>

        <!--(U) notice-->
<sch:include href="./Rules/notice/ISM_ID_00127.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00128.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00129.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00130.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00131.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00134.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00135.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00136.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00137.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00138.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00139.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00150.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00151.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00152.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00153.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00156.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00157.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00158.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00159.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00160.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00161.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00237.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00238.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00239.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00240.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00244.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00245.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00248.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00249.sch"/>

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        <sch:include href="./Rules/notice/ISM_ID_00250.sch"/>
        <sch:include href="./Rules/notice/ISM_ID_00251.sch"/>

        <!--(U) ownerProducer-->
    <sch:include href="./Rules/ownerProducer/ISM_ID_00001.sch"/>
        <sch:include href="./Rules/ownerProducer/ISM_ID_00008.sch"/>
        <sch:include href="./Rules/ownerProducer/ISM_ID_00039.sch"/>
        <sch:include href="./Rules/ownerProducer/ISM_ID_00099.sch"/>
        <sch:include href="./Rules/ownerProducer/ISM_ID_00100.sch"/>
        <sch:include href="./Rules/ownerProducer/ISM_ID_00219.sch"/>
        <sch:include href="./Rules/ownerProducer/ISM_ID_00315.sch"/>

        <!--(U) pocType-->
    <sch:include href="./Rules/pocType/ISM_ID_00224.sch"/>
        <sch:include href="./Rules/pocType/ISM_ID_00247.sch"/>

        <!--(U) releasableTo-->
    <sch:include href="./Rules/releasableTo/ISM_ID_00009.sch"/>
        <sch:include href="./Rules/releasableTo/ISM_ID_00032.sch"/>
        <sch:include href="./Rules/releasableTo/ISM_ID_00041.sch"/>
        <sch:include href="./Rules/releasableTo/ISM_ID_00214.sch"/>

        <!--(U) resourceElement-->
    <sch:include href="./Rules/resourceElement/ISM_ID_00013.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00014.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00056.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00057.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00058.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00059.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00060.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00061.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00062.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00063.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00064.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00065.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00066.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00067.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00068.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00069.sch"/>

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        <sch:include href="./Rules/resourceElement/
ISM_ID_00070.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00071.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00072.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00073.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00074.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00075.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00076.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00077.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00078.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00079.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00080.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00081.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00082.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00083.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00084.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00085.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00086.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00087.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00088.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00089.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00090.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00104.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00105.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00108.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00109.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00110.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00111.sch"/>
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        <sch:include href="./Rules/resourceElement/
ISM_ID_00112.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00113.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00116.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00118.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00132.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00141.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00144.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00145.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00146.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00147.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00149.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00154.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00155.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00162.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00165.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00171.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00172.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00227.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00228.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00229.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00230.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00231.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00246.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00298.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00303.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00312.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00316.sch"/>
```

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        <sch:include href="./Rules/resourceElement/
ISM_ID_00317.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00318.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00319.sch"/>
        <sch:include href="./Rules/resourceElement/
ISM_ID_00320.sch"/>

        <!--(U) SARIdentifier-->
        <sch:include href="./Rules/SARIdentifier/ISM_ID_00114.sch"/>
        <sch:include href="./Rules/SARIdentifier/ISM_ID_00121.sch"/>

        <!--(U) SCIcontrols-->
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00010.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00042.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00043.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00044.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00045.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00046.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00047.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00048.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00049.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00122.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00123.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00177.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00186.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00187.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00241.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00242.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00243.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00301.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00304.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00305.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00306.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00307.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00308.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00309.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00310.sch"/>
        <sch:include href="./Rules/SCIcontrols/ISM_ID_00311.sch"/>

        <!--(U) typeConstraintPatterns-->
        <sch:include href="./Rules/typeConstraintPatterns/ISM_ID_00268.sch"/>
        <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00269.sch"/>
        <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00270.sch"/>
        <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00271.sch"/>
        <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00272.sch"/>
        <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00273.sch"/>
        <sch:include href="./Rules/typeConstraintPatterns/

```

```
ISM_ID_00274.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00275.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00276.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00277.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00278.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00279.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00280.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00281.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00282.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00283.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00284.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00285.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00286.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00287.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00288.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00289.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00290.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00291.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00292.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00293.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00294.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00295.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00296.sch"/>
    <sch:include href="./Rules/typeConstraintPatterns/
ISM_ID_00297.sch"/>

    <!--(U) typeOfExemptedSource-->
    <sch:include href="./Rules/typeOfExemptedSource/ISM_ID_00011.sch"/>
    <sch:include href="./Rules/typeOfExemptedSource/
ISM_ID_00018.sch"/>
    <sch:include href="./Rules/typeOfExemptedSource/
ISM_ID_00019.sch"/>
```

```

    <sch:include href="./Rules/typeOfExemptedSource/
ISM_ID_00020.sch"/>
    <sch:include href="./Rules/typeOfExemptedSource/
ISM_ID_00021.sch"/>
    <sch:include href="./Rules/typeOfExemptedSource/
ISM_ID_00022.sch"/>

    <!--(U) valueEnumerationConstraints-->
    <sch:include href="./Rules/valueEnumerationConstraints/ISM_ID_00253.sch"/>
    <sch:include href="./Rules/valueEnumerationConstraints/
ISM_ID_00254.sch"/>
    <sch:include href="./Rules/valueEnumerationConstraints/
ISM_ID_00255.sch"/>
    <sch:include href="./Rules/valueEnumerationConstraints/
ISM_ID_00256.sch"/>
    <sch:include href="./Rules/valueEnumerationConstraints/
ISM_ID_00257.sch"/>
    <sch:include href="./Rules/valueEnumerationConstraints/
ISM_ID_00258.sch"/>
    <sch:include href="./Rules/valueEnumerationConstraints/
ISM_ID_00259.sch"/>
    <sch:include href="./Rules/valueEnumerationConstraints/
ISM_ID_00260.sch"/>
    <sch:include href="./Rules/valueEnumerationConstraints/
ISM_ID_00261.sch"/>
    <sch:include href="./Rules/valueEnumerationConstraints/
ISM_ID_00262.sch"/>
    <sch:include href="./Rules/valueEnumerationConstraints/
ISM_ID_00263.sch"/>
    <sch:include href="./Rules/valueEnumerationConstraints/
ISM_ID_00264.sch"/>
    <sch:include href="./Rules/valueEnumerationConstraints/
ISM_ID_00265.sch"/>
    <sch:include href="./Rules/valueEnumerationConstraints/
ISM_ID_00266.sch"/>
    <sch:include href="./Rules/valueEnumerationConstraints/
ISM_ID_00267.sch"/>
    </sch:schema>
    <!-- UNCLASSIFIED -->
```

Chapter 5 - 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.

5.1 - `./Rules/ownerProducer/ISM_ID_00001.sch`

Rule Description: ISM-ID-00001 [ISM-ID-00001][Error] Rule removed in V8. Covered by rule 2.

5.2 - `./Rules/declassException/ISM_ID_00003.sch`

Rule Description: ISM-ID-00003 [ISM-ID-00003][Error] Rule removed in V5.

5.3 - `./Rules/disseminationControls/ISM_ID_00004.sch`

Rule Description: ISM-ID-00004 [ISM-ID-00004][Error] Rule removed in V5.

5.4 - `./Rules/FGIsourceOpen/ISM_ID_00005.sch`

Rule Description: ISM-ID-00005 [ISM-ID-00005][Error] Rule removed in V2. Replaced by ISM_ID_00024.

5.5 - `./Rules/FGIsourceProtected/ISM_ID_00006.sch`

Rule Description: ISM-ID-00006 [ISM-ID-00006][Error] Rule removed in V2. Replaced by ISM_ID_00025.

5.6 - `./Rules/nonICmarkings/ISM_ID_00007.sch`

Rule Description: ISM-ID-00007 [ISM-ID-00007][Error] Rule removed in V5.

5.7 - `./Rules/ownerProducer/ISM_ID_00008.sch`

Rule Description: ISM-ID-00008 [ISM-ID-00008][Error] Rule removed in V2. Replaced by ISM_ID_00039.

5.8 - `./Rules/releasableTo/ISM_ID_00009.sch`

Rule Description: ISM-ID-00009 [ISM-ID-00009][Error] Rule removed in V5.

5.9 - `./Rules/SCIcontrols/ISM_ID_00010.sch`

Rule Description: ISM-ID-00010 [ISM-ID-00010][Error] Rule removed in V5.

5.10 - `./Rules/typeOfExemptedSource/ISM_ID_00011.sch`

Rule Description: ISM-ID-00011 [ISM-ID-00011][Error] Rule removed in V5.

5.11 - `./Rules/classification/ISM_ID_00015.sch`

Rule Description: ISM-ID-00015 [ISM-ID-00015][Error] Rule removed in V8. Values moved to rule 16.

5.12 - `./Rules/typeOfExemptedSource/ISM_ID_00018.sch`

Rule Description: ISM-ID-00018 [ISM-ID-00018][Error] Rule removed in V5.

5.13 - `./Rules/typeOfExemptedSource/ISM_ID_00019.sch`

Rule Description: ISM-ID-00019 [ISM-ID-00019][Error] Rule removed in V5.

5.14 - `./Rules/typeOfExemptedSource/ISM_ID_00020.sch`

Rule Description: ISM-ID-00020 [ISM-ID-00020][Error] Rule removed in V5.

5.15 - `./Rules/typeOfExemptedSource/ISM_ID_00021.sch`

Rule Description: ISM-ID-00021 [ISM-ID-00021][Error] Rule removed in V5.

5.16 - `./Rules/typeOfExemptedSource/ISM_ID_00022.sch`

Rule Description: ISM-ID-00022 [ISM-ID-00022][Error] Rule removed in V3.

5.17 - `./Rules/declassException/ISM_ID_00023.sch`

Rule Description: ISM-ID-00023 [ISM-ID-00023][Error] Rule removed in V4.

5.18 - `./Rules/FGIsourceOpen/ISM_ID_00024.sch`

Rule Description: ISM-ID-00024 [ISM-ID-00024][Error] Rule removed in V5.

5.19 - `./Rules/FGIsourceProtected/ISM_ID_00025.sch`

Rule Description: ISM-ID-00025 [ISM-ID-00025][Error] Rule removed in V5.

5.20 - `./Rules/disseminationControls/ISM_ID_00027.sch`

Rule Description: ISM-ID-00027 [ISM-ID-00027][Error] Rule removed in V5.

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5.21 - `./Rules/disseminationControls/ISM_ID_00029.sch`

Rule Description: ISM-ID-00029 [ISM-ID-00029][Error] Rule removed in V5.

5.22 - `./Rules/disseminationControls/ISM_ID_00034.sch`

Rule Description: ISM-ID-00034 [ISM-ID-00034][Error] Rule removed in V8. Covered by rule 169.

5.23 - `./Rules/nonICmarkings/ISM_ID_00036.sch`

Rule Description: ISM-ID-00036 [ISM-ID-00036][Error] Rule removed in V8.

5.24 - `./Rules/ownerProducer/ISM_ID_00039.sch`

Rule Description: ISM-ID-00039 [ISM-ID-00039][Error] Rule removed in V5.

5.25 - `./Rules/SCIcontrols/ISM_ID_00046.sch`

Rule Description: ISM-ID-00046 [ISM-ID-00046][Error] Rule removed in V8.

5.26 - `./Rules/disseminationControls/ISM_ID_00050.sch`

Rule Description: ISM-ID-00050 [ISM-ID-00050][Error] Rule removed in V2.

5.27 - `./Rules/nonICmarkings/ISM_ID_00051.sch`

Rule Description: ISM-ID-00051 [ISM-ID-00051][Error] Rule removed in V2.

5.28 - `./Rules/disseminationControls/ISM_ID_00052.sch`

Rule Description: ISM-ID-00052 [ISM-ID-00052][Error] Rule removed in V2.

5.29 - `./Rules/disseminationControls/ISM_ID_00053.sch`

Rule Description: ISM-ID-00053 [ISM-ID-00053][Error] Rule removed in V2.

5.30 - `./Rules/disseminationControls/ISM_ID_00054.sch`

Rule Description: ISM-ID-00054 [ISM-ID-00054][Error] Rule removed in V2.

5.31 - `./Rules/nonICmarkings/ISM_ID_00055.sch`

Rule Description: ISM-ID-00055 [ISM-ID-00055][Error] Rule removed in V2.

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5.32 - `./Rules/resourceElement/ISM_ID_00057.sch`

Rule Description: ISM-ID-00057 [ISM-ID-00057][Error] Rule removed in V8. Values moved to rule 56.

5.33 - `./Rules/resourceElement/ISM_ID_00069.sch`

Rule Description: ISM-ID-00069 [ISM-ID-00069][Error] Rule removed in V5.

5.34 - `./Rules/resourceElement/ISM_ID_00076.sch`

Rule Description: ISM-ID-00076 [ISM-ID-00076][Error] Rule removed in V3.

5.35 - `./Rules/resourceElement/ISM_ID_00082.sch`

Rule Description: ISM-ID-00082 [ISM-ID-00082][Error] Rule removed in V8

5.36 - `./Rules/resourceElement/ISM_ID_00083.sch`

Rule Description: ISM-ID-00083 [ISM-ID-00083][Error] Rule removed in V8

5.37 - `./Rules/resourceElement/ISM_ID_00089.sch`

Rule Description: ISM-ID-00089 [ISM-ID-00089][Error] Rule removed in V4.

5.38 - `./Rules/disseminationControls/ISM_ID_00091.sch`

Rule Description: ISM-ID-00091 [ISM-ID-00091][Error] Rule removed in V5.

5.39 - `./Rules/disseminationControls/ISM_ID_00092.sch`

Rule Description: ISM-ID-00092 [ISM-ID-00092][Error] Rule removed in V5.

5.40 - `./Rules/disseminationControls/ISM_ID_00093.sch`

Rule Description: ISM-ID-00093 [ISM-ID-00093][Error] Rule removed in V5.

5.41 - `./Rules/disseminationControls/ISM_ID_00094.sch`

Rule Description: ISM-ID-00094 [ISM-ID-00094][Error] Rule removed in V8.

5.42 - `./Rules/generalConstraints/ISM_ID_00098.sch`

Rule Description: ISM-ID-00098 [ISM-ID-00098][] This rule number was skipped and never used. removed

5.43 - `./Rules/DeclassManualReview/ISM_ID_00101.sch`

Rule Description: ISM-ID-00101 [ISM-ID-000101][Error] Introduced and removed in V2. Never made it to signed package.

5.44 - `./Rules/disseminationControls/ISM_ID_00106.sch`

Rule Description: ISM-ID-00106 [ISM-ID-00106][Error] Rule removed in V5.

5.45 - `./Rules/SARIdentifier/ISM_ID_00114.sch`

Rule Description: ISM-ID-00114 [ISM-ID-00114][Error] Rule removed in V5.

5.46 - `./Rules/classification/ISM_ID_00115.sch`

Rule Description: ISM-ID-00115 [ISM-ID-00115][Error] Rule removed in V5.

5.47 - `./Rules/disseminationControls/ISM_ID_00117.sch`

Rule Description: ISM-ID-00117 [ISM-ID-00117][Warning] Rule removed in V5.

5.48 - `./Rules/disseminationControls/ISM_ID_00120.sch`

Rule Description: ISM-ID-00120 [ISM-ID-00120][Error] Rule removed in V4.

5.49 - `./Rules/generalConstraints/ISM_ID_00126.sch`

Rule Description: ISM-ID-00126 [ISM-ID-00126][Error] Removed in V11.

5.50 - `./Rules/notice/ISM_ID_00131.sch`

Rule Description: ISM-ID-00131 [ISM-ID-00131][Error] Rule removed in V5.

5.51 - `./Rules/disseminationControls/ISM_ID_00140.sch`

Rule Description: ISM-ID-00140 [ISM-ID-00140][Error] Rule removed in V8.

5.52 - `./Rules/resourceElement/ISM_ID_00144.sch`

Rule Description: ISM-ID-00144 [ISM-ID-00144][Error] Rule removed in V4.

5.53 - `./Rules/notice/ISM_ID_00156.sch`

Rule Description: ISM-ID-00156 [ISM-ID-00156][Error] Rule removed in V8. Replaced by rules 237 and 238.

5.54 - `./Rules/notice/ISM_ID_00160.sch`

Rule Description: ISM-ID-00160 [ISM-ID-00160][Error] Rule removed in V8. Replaced by rules 239 and 240.

5.55 - `./Rules/resourceElement/ISM_ID_00171.sch`

Rule Description: ISM-ID-00171 [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.

5.56 - `./Rules/resourceElement/ISM_ID_00172.sch`

Rule Description: ISM-ID-00172 [ISM-ID-00172][Error] Rule removed in V6.

5.57 - `./Rules/SCIcontrols/ISM_ID_00177.sch`

Rule Description: ISM-ID-00177 [ISM-ID-00177][Error] Rule removed in V8.

5.58 - `./Rules/atomicEnergyMarkings/ISM_ID_00182.sch`

Rule Description: ISM-ID-00182 [ISM-ID-00182][Error] Rule removed in V8. Values moved to rule 181.

5.59 - `./Rules/generalConstraints/ISM_ID_00212.sch`

Rule Description: ISM-ID-00212 [ISM-ID-00212][Error] Rule removed in V6.

5.60 - `./Rules/disseminationControls/ISM_ID_00215.sch`

Rule Description: ISM-ID-00215 [ISM-ID-00215][Error] Rule removed in V8.

5.61 - `./Rules/FGIsourceOpen/ISM_ID_00216.sch`

Rule Description: ISM-ID-00216 [ISM-ID-000216][] Introduced and removed in V6. Never made it to signed package.

5.62 - `./Rules/FGIsourceProtected/ISM_ID_00218.sch`

Rule Description: ISM-ID-00218 [ISM-ID-000218][] Introduced and removed in V6. Never made it to signed package.

5.63 - `./Rules/ACCM/ISM_ID_00220.sch`

Rule Description: ISM-ID-00220 [ISM-ID-00220][Error] Rule removed in V7.

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5.64 - ./Rules/pocType/ISM_ID_00224.sch

Rule Description: ISM-ID-00224 [ISM-ID-00224][Error] Removed in V10.

5.65 - ./Rules/FGIsourceOpen/ISM_ID_00232.sch

Rule Description: ISM-ID-00232 [ISM-ID-00232][] Introduced and removed in V8. Never made it to signed package.

5.66 - ./Rules/FGIsourceProtected/ISM_ID_00235.sch

Rule Description: ISM-ID-00235 [ISM-ID-00235][] Introduced and removed in V8. Never made it to signed package.

5.67 - ./Rules/pocType/ISM_ID_00247.sch

Rule Description: ISM-ID-00247 [ISM-ID-00247][Error] Removed in V10.

5.68 - ./Rules/notice/ISM_ID_00249.sch

Rule Description: ISM-ID-00249 [ISM-ID-00249][Error] Introduced and removed in V9. Never made it to signed package.

5.69 - ./Rules/resourceElement/ISM_ID_00312.sch

Rule Description: ISM-ID-00312 [ISM-ID-00312][Error] Added and removed in V10. Removed during final review, never made it to released package.