C:\Users\Günter Staub\Aktivitaeten\Kund...\bom DIS.exp	C:\Users\Günter Staub\Aktivitaeten\Kundenpr...\bom.exp
1 (*	1 -- Generated on 04/12/2013 16:28:54 by ExpressPretty
2 $Id: bom.exp,v 1.21 2013/07/29 16:49:06 staubgu Exp	2 -- From: AP242 BO Model DIS-B-R Version.exp
3 ISO TC184/SC4/WG12 N8327 - ISO DIS 10303-3001 Manag	
4 Supersedes ISO TC184/SC4/WG12 N2816	
5	
6 Generated on 06/02/2013 06:25:01 by ExpressPrettyPr	
7 From: Harmonized AP242 BO Model.exp	
8 *)	
9	3
10 SCHEMA managed_model_based_3d_engineering_bom;	4 SCHEMA managed_model_based_3d_engineering_bom;
11	5
12	6
13 CONSTANT	7 CONSTANT
14 SCHEMA_NAME : STRING := 'MANAGED_MODEL_BASED_3D_EN	8 SCHEMA_NAME : STRING := 'MANAGED_MODEL_BASED_3D_EN
15 END_CONSTANT;	9 END_CONSTANT;
16	10
17	11
18 TYPE ActivityAssignmentSelect = SELECT(	12 TYPE ActivityAssignmentSelect = SELECT(
19 Activity,	13 Activity,
	14 ActivityAssignment,
20 ActivityMethod,	15 ActivityMethod,
	16 ActivityMethodAssignment,
21 ActivityRelationship,	17 ActivityRelationship,
	18 AddressAssignment,
22 AlternatePartRelationship,	19 AlternatePartRelationship,
23 AlternativeSolution,	20 AlternativeSolution,
	21 ApprovalAssignment,
24 AssemblyOccurrenceRelationshipSubstitution,	22 AssemblyOccurrenceRelationshipSubstitution,
25 AssemblyViewRelationshipSubstitution,	23 AssemblyViewRelationshipSubstitution,
	24 AssignmentObjectRelationship,
26 Breakdown,	25 Breakdown,
27 BreakdownElement,	26 BreakdownElement,
	27 BreakdownElementRealization,
	28 BreakdownElementVersion,
	29 BreakdownElementVersionRelationship,
	30 BreakdownElementView,
	31 BreakdownElementViewRelationship,
28 BreakdownVersion,	32 BreakdownVersion,
29 ClassCategoryAssociation,	33 BreakdownVersionAssignment,
30 ClassConditionAssociation,	34 BreakdownVersionRelationship,
31 ClassInclusionAssociation,	35 CertificationAssignment,
32 ClassSelect,	36 Class,
33 ClassSpecificationAssociation,	37 ClassString,
34 Configuration,	38 Condition,
	39 ConditionAssignment,
	40 ConditionalConfiguration,
	41 ConfiguredAssemblyEffectivity,
	42 Contract,
	43 ContractAssignment,
	44 DateAndPersonAssignment,
	45 DateTimeAssignment,
35 Document,	46 Document,
	47 DocumentAssignment,
36 DocumentDefinition,	48 DocumentDefinition,
	49 DocumentDefinitionRelationship,
	50 DocumentVersion,
37 DocumentVersion,	51 DocumentVersion,
	52 DocumentVersionRelationship,
38 Effectivity,	53 Effectivity,
	54 EffectivityAssignment,
39 Event,	55 Event,
	56 EventAssignment,
	57 ExternalClass,
	58 ExternalOwlClass,
40 File,	59 File,
	60 FrozenAssignment,
41 GeometricModel,	61 GeometricModel,
42 IndividualAssemblyRelationship,	62 IndividualAssemblyRelationship,
	63 IndividualPart,
	64 IndividualPartVersion,
	65 IndividualPartVersionRelationship,
43 IndividualPartView,	66 IndividualPartView,
44 ManufacturingConfiguration,	67 IndividualPartView,
	68 IndividualPartViewRelationship,
	69 InformationUsageRightAssignment,
45 MaterialIdentification,	70 MaterialIdentification,
	71 MaterialPropertyAssignment,
	72 ModelPropertyAssignment,
	73 Occurrence,
	74 OccurrenceRelationship,
	75 Organization,
	76 OrganizationOrPersonInOrganizationAssignment,
46 Part,	77 Part,
47 PartOccurrence,	
48 PartOccurrenceRelationship,	
49 PartVersion,	78 PartVersion,
	79 PartVersionRelationship,
50 PartView,	80 PartView,
51 PartViewOccurrenceRelationship,	
52 PartViewRelationship,	81 PartViewRelationship,
	82 PartViewRelationship,
	83 Person,

709 differences (2267 lines) found		
Added(1455)	Deleted(440)	Changed(372)

	C:\Users\Günter Staub\Aktivitaeten\Kund...\bom DIS.exp		C:\Users\Günter Staub\Aktivitaeten\Kundenpr...\bom.exp
		84	PersonInOrganization,
53	ProcessOperationDefinition,	85	ProcessOperationDefinition,
54	ProcessOperationOccurrence,	86	ProcessOperationOccurrence,
		87	ProcessOperationResourceAssignment,
55	ProcessPlan,	88	ProcessPlan,
56	ProductClass,	89	ProductClass,
57	ProductConfiguration,	90	ProductConfiguration,
58	Project,	91	Project,
59	ProjectAssignment,	92	ProjectAssignment,
		93	ProjectAssignment,
60	ProjectRelationship,	94	ProjectRelationship,
61	PropertyDefinitionAssignment,	95	PropertyDefinitionAssignment,
		96	PropertyDefinitionRelationship,
62	PropertyValue,	97	PropertyValue,
63	PropertyValueAssignment,	98	PropertyValueAssignment,
64	RealizationOrOccurrenceRelationship,	99	PropertyValueRelationship,
		100	Requirement,
		101	RequirementAssignment,
		102	RequirementVersion,
		103	RequirementVersionRelationship,
		104	RequirementView,
65	RequirementView,	105	RequirementView,
		106	RequirementViewRelationship,
		107	SecurityClassificationAssignment,
66	Specification,	108	Specification,
		109	SpecificationAssignment,
67	SpecificationCategory,	110	SpecificationCategory,
68	SpecificationExpression,	111	SpecificationCategoryAssignment,
		112	SpecificationConditionAssignment,
69	SpecificationInclusion,	113	SpecificationInclusion,
70	StyledModel	114	SpecificationInclusionAssignment,
		115	StyledModel,
		116	TimeIntervalAssignment,
		117	ViewOccurrenceRelationship,
		118	WorkOrderAssignment,
		119	WorkRequestAssignment
71	);	120	);
72	END_TYPE;	121	END_TYPE;
73		122	
74	TYPE ActivityMethodAssignmentSelect = SELECT(	123	TYPE ActivityMethodAssignmentSelect = SELECT(
75	Activity,	124	Activity,
76	ActivityAssignment,	125	ActivityAssignment,
77	ActivityMethod,	126	ActivityMethod,
		127	ActivityMethodAssignment,
		128	AddressAssignment,
78	AlternativeSolution,	129	AlternativeSolution,
		130	ApprovalAssignment,
79	Breakdown,	131	Breakdown,
80	BreakdownElement,	132	BreakdownElement,
81	BreakdownElementVersion,	133	BreakdownElementVersion,
82	BreakdownElementVersionRelationship,	134	BreakdownElementVersionRelationship,
83	BreakdownElementView,	135	BreakdownElementView,
84	BreakdownElementViewRelationship,	136	BreakdownElementViewRelationship,
85	BreakdownVersion,	137	BreakdownVersion,
		138	BreakdownVersionAssignment,
86	BreakdownVersionRelationship,	139	BreakdownVersionRelationship,
		140	CertificationAssignment,
		141	ConditionAssignment,
87	Contract,	142	Contract,
		143	ContractAssignment,
		144	DateAndPersonAssignment,
		145	DateTimeAssignment,
88	Document,	146	Document,
		147	DocumentAssignment,
89	DocumentDefinition,	148	DocumentDefinition,
90	DocumentDefinitionRelationship,	149	DocumentDefinitionRelationship,
91	DocumentVersion,	150	DocumentVersion,
92	DocumentVersionRelationship,	151	DocumentVersionRelationship,
		152	EffectivityAssignment,
		153	EventAssignment,
93	File,	154	File,
		155	FrozenAssignment,
94	IndividualPart,	156	IndividualPart,
95	IndividualPartVersion,	157	IndividualPartVersion,
96	IndividualPartVersionRelationship,	158	IndividualPartVersionRelationship,
97	IndividualPartView,	159	IndividualPartView,
98	IndividualPartViewRelationship,	160	IndividualPartViewRelationship,
		161	InformationUsageRightAssignment,
		162	MaterialPropertyAssignment,
		163	ModelPropertyAssignment,
99	Organization,	164	Organization,
		165	OrganizationOrPersonInOrganizationAssignment,
100	Part,	166	Part,
101	PartVersion,	167	PartVersion,
102	PartVersionRelationship,	168	PartVersionRelationship,
103	PartView,	169	PartView,
104	PartViewRelationship,	170	PartViewRelationship,
105	Person,	171	Person,
106	PersonInOrganization,	172	PersonInOrganization,
		173	PersonInOrganization,
		174	ProcessOperationResourceAssignment,
107	ProductClass,	175	ProductClass,

709 differences (2267 lines) found		
Added(1455)	Deleted(440)	Changed(372)

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108 ProductConfiguration,	176 ProductConfiguration,
109 Project,	177 Project,
	178 ProjectAssignment,
110 PropertyDefinitionAssignment,	179 PropertyDefinitionAssignment,
111 PropertyDefinitionRelationship,	180 PropertyDefinitionRelationship,
112 PropertyValueAssignment,	181 PropertyValueAssignment,
113 PropertyValueAssignmentRelationship,	182 PropertyValueAssignmentRelationship,
114 PropertyValueRelationship,	183 PropertyValueRelationship,
115 Requirement,	184 Requirement,
	185 RequirementAssignment,
116 RequirementVersion,	186 RequirementVersion,
117 RequirementVersionRelationship,	187 RequirementVersionRelationship,
118 RequirementView,	188 RequirementView,
119 RequirementViewRelationship,	189 RequirementViewRelationship,
120 WorkRequest	190 SecurityClassificationAssignment,
	191 SpecificationAssignment,
	192 SpecificationCategoryAssignment,
	193 SpecificationConditionAssignment,
	194 SpecificationInclusionAssignment,
	195 TimeIntervalAssignment,
	196 WorkOrderAssignment,
	197 WorkRequest,
	198 WorkRequestAssignment
121);	199);
122 END_TYPE;	200 END_TYPE;
123	201
124 TYPE ActuatedDirection = ENUMERATION OF (	202 TYPE ActuatedDirectionEnum = ENUMERATION OF(
125 bidirectional,	203 bidirectional,
126 positive_only,	204 positive_only,
127 negative_only,	205 negative_only,
128 not_actuated	206 not_actuated
129);	207);
130 END_TYPE;	208 END_TYPE;
131	209
132 TYPE AngleSelect = SELECT(	210 TYPE AngleSelect = SELECT(
133 CoordinateSystem,	211 AxisPlacement,
	212 Curve,
134 Direction,	213 Direction,
135 ExternalCurve,	214 PointPath
136 ExternalPointPath	
137);	215);
138 END_TYPE;	216 END_TYPE;
139	217
140 TYPE ApplicationDomainSelect = SELECT(	218 TYPE ApplicationDomainSelect = SELECT(
141 ApplicationDomain,	219 ApplicationDomain,
142 ProxySelect	220 ProxySelect
143);	221);
144 END_TYPE;	222 END_TYPE;
145	223
146 TYPE ApprovalAssignmentSelect = SELECT(	224 TYPE ApprovalAssignmentSelect = SELECT(
147 Activity,	225 Activity,
148 ActivityAssignment,	226 ActivityAssignment,
	227 ActivityAssignment,
	228 ActivityMethod,
	229 ActivityMethodAssignment,
149 ActivityMethodAssignment,	230 ActivityMethodAssignment,
	231 ActivityMethodRelationship,
	232 AddressAssignment,
	233 AddressAssignment,
150 AlternatePartRelationship,	234 AlternatePartRelationship,
151 AlternativeSolution,	235 AlternativeSolution,
	236 ApprovalAssignment,
152 AssemblyOccurrenceRelationshipSubstitution,	237 AssemblyOccurrenceRelationshipSubstitution,
153 AssemblyViewRelationshipSubstitution,	238 AssemblyViewRelationshipSubstitution,
154 Breakdown,	239 Breakdown,
155 BreakdownElement,	240 BreakdownElement,
	241 BreakdownElementRealization,
	242 BreakdownElementVersion,
	243 BreakdownElementVersionRelationship,
	244 BreakdownElementView,
	245 BreakdownElementViewRelationship,
156 BreakdownVersion,	246 BreakdownVersion,
	247 BreakdownVersionAssignment,
	248 BreakdownVersionRelationship,
157 Certification,	249 Certification,
158 ClassCategoryAssociation,	250 CertificationAssignment,
159 ClassConditionAssociation,	251 Class,
160 ClassInclusionAssociation,	252 ClassString,
161 ClassSelect,	
162 ClassSpecificationAssociation,	
163 Classification,	253 Classification,
164 Configuration,	254 Condition,
	255 Condition,
	256 ConditionAssignment,
	257 ConditionAssignment,
	258 ConditionalConfiguration,
	259 ConfiguredAssemblyEffectivity,
165 Contract,	260 Contract,
	261 ContractAssignment,
	262 DateAndPersonAssignment,
	263 DateTimeAssignment,
	264 DateTimeAssignment,

709 differences (2267 lines) found		
Added(1455)	Deleted(440)	Changed(372)

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		265	Descriptor,
		266	DescriptorRelationship,
166	Document,	267	Document,
		268	DocumentAssignment,
167	DocumentDefinition,	269	DocumentDefinition,
168	DocumentDefinitionRelationship,	270	DocumentDefinitionRelationship,
169	DocumentVersion,	271	DocumentVersion,
		272	DocumentVersionRelationship,
170	Effectivity,	273	Effectivity,
		274	EffectivityAssignment,
		275	EffectivityAssignment,
		276	EventAssignment,
		277	ExternalClass,
171	ExternalClassSystem,	278	ExternalClassSystem,
		279	ExternalOwlClass,
		280	ExternalPropertyDefinition,
172	File,	281	File,
		282	FrozenAssignment,
173	GeometricModel,	283	GeometricModel,
		284	Identifier,
		285	IdentifierRelationship,
		286	InZone,
174	IndividualAssemblyRelationship,	287	IndividualAssemblyRelationship,
		288	IndividualPart,
175	IndividualPartTestResult,	289	IndividualPartTestResult,
		290	IndividualPartVersion,
		291	IndividualPartVersionRelationship,
176	IndividualPartView,	292	IndividualPartView,
		293	IndividualPartViewRelationship,
177	InformationUsageRight,	294	InformationUsageRight,
178	InformationUsageRightAssignment,	295	InformationUsageRightAssignment,
179	ManufacturingConfiguration,	296	InformationUsageRightAssignment,
180	MaterialIdentification,	297	MaterialIdentification,
181	PartOccurrence,	298	MaterialPropertyAssignment,
182	PartOccurrenceRelationship,	299	ModelPropertyAssignment,
		300	Occurrence,
		301	OccurrenceRelationship,
		302	OrganizationOrPersonInOrganizationAssignment,
		303	Part,
		304	PartRelationship,
183	PartVersion,	305	PartVersion,
184	PartVersionRelationship,	306	PartVersionRelationship,
185	PartView,	307	PartView,
186	PartViewOccurrenceRelationship,		
187	PartViewRelationship,	308	PartViewRelationship,
		309	PersonInOrganization,
		310	ProcessOperationResourceAssignment,
188	ProcessPlan,	311	ProcessPlan,
189	ProductClass,	312	ProductClass,
190	ProductConfiguration,	313	ProductConfiguration,
191	Project,	314	Project,
		315	ProjectAssignment,
		316	PropertyDefinition,
192	PropertyDefinitionAssignment,	317	PropertyDefinitionAssignment,
193	PropertyDefinitionRelationship,	318	PropertyDefinitionRelationship,
194	PropertyDefinitionSelect,	319	PropertyDefinitionString,
195	PropertyValue,	320	PropertyValue,
196	PropertyValueAssignment,	321	PropertyValueAssignment,
197	RealizationOrOccurrenceRelationship,	322	PropertyValueAssignment,
		323	PropertyValueRelationship,
		324	Proxy,
		325	Requirement,
198	RequirementAssignment,	326	RequirementAssignment,
		327	RequirementAssignment,
		328	RequirementSource,
		329	RequirementVersion,
		330	RequirementVersionRelationship,
199	RequirementView,	331	RequirementView,
		332	RequirementViewRelationship,
200	SecurityClassification,	333	SecurityClassification,
		334	SecurityClassificationAssignment,
201	Specification,	335	Specification,
		336	SpecificationAssignment,
		337	SpecificationAssignment,
202	SpecificationCategory,	338	SpecificationCategory,
203	SpecificationExpression,	339	SpecificationCategoryAssignment,
		340	SpecificationCategoryAssignment,
		341	SpecificationConditionAssignment,
		342	SpecificationConditionAssignment,
204	SpecificationInclusion,	343	SpecificationInclusion,
		344	SpecificationInclusionAssignment,
		345	SpecificationInclusionAssignment,
205	StyledModel,	346	StyledModel,
		347	TimeIntervalAssignment,
		348	ViewContext,
		349	ViewOccurrenceRelationship,
206	WorkOrder,	350	WorkOrder,
207	WorkRequest	351	WorkOrderAssignment,
		352	WorkRequest,
		353	WorkRequestAssignment
		354	);
		355	END_TYPE;

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Added(1455)	Deleted(440)	Changed(372)

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```
                                            356
                                            357 TYPE ApprovalScopeSelect = SELECT(
                                            358   Activity,
                                            359   Contract,
                                            360   Organization,
                                            361   PersonInOrganization,
                                            362   ProductClass,
                                            363   ProductConfiguration,
                                            364   Project
                                            365 );
                                            366 END_TYPE;
                                            367
                                            368 TYPE AssemblyDesignSelect = SELECT(
                                            369   AssemblyViewRelationship,
                                            370   Occurrence
208 );                                       371 );
209 END_TYPE;                                372 END_TYPE;
210                                          373
211 TYPE AssignedDocumentSelect = SELECT(    374 TYPE AssignedDocumentSelect = SELECT(
212   Document,                              375   Document,
213   DocumentDefinition,                    376   DocumentDefinition,
214   DocumentVersion,                       377   DocumentVersion,
215   File                                   378   File
216 );                                       379 );
217 END_TYPE;                                380 END_TYPE;
218                                          381
219 TYPE BoundaryClassZoneSelect = SELECT(   382 TYPE AssignmentObjectSelect = SELECT(
220   ExternalLoop,                          383   ActivityAssignment,
221   GeometricBoundingCurveSelect           384   ActivityMethodAssignment,
                                            385   AddressAssignment,
                                            386   ApprovalAssignment,
                                            387   BreakdownVersionAssignment,
                                            388   CertificationAssignment,
                                            389   ConditionAssignment,
                                            390   ContractAssignment,
                                            391   DateAndPersonAssignment,
                                            392   DateTimeAssignment,
                                            393   DocumentAssignment,
                                            394   EffectivityAssignment,
                                            395   EventAssignment,
                                            396   FrozenAssignment,
                                            397   InformationUsageRightAssignment,
                                            398   MaterialPropertyAssignment,
                                            399   ModelPropertyAssignment,
                                            400   OrganizationOrPersonInOrganizationAssignment,
                                            401   ProcessOperationResourceAssignment,
                                            402   ProjectAssignment,
                                            403   PropertyDefinitionAssignment,
                                            404   PropertyValueAssignment,
                                            405   RequirementAssignment,
                                            406   SecurityClassificationAssignment,
                                            407   SpecificationAssignment,
                                            408   SpecificationCategoryAssignment,
                                            409   SpecificationConditionAssignment,
                                            410   SpecificationInclusionAssignment,
                                            411   TimeIntervalAssignment,
                                            412   WorkOrderAssignment,
                                            413   WorkRequestAssignment
222 );                                       414 );
223 END_TYPE;                                415 END_TYPE;
224                                          416
225 TYPE BreakdownAssignmentSelect = SELECT( 417 TYPE AxisPlacementOrTransformationSelect = SELECT(
226   DocumentDefinition,                    418   AxisPlacement,
227   IndividualPartView,                    419   CartesianTransformation
228   PartOccurrence,                        420 );
229   PartView,                              421 END_TYPE;
230   ProductClass,                          422
231   ProductConfiguration,                  423 TYPE BoundaryClassZoneSelect = SELECT(
232   RequirementView                        424   GeometricBoundingCurveSelect,
                                            425   Loop
233 );                                       426 );
234 END_TYPE;                                427 END_TYPE;
235                                          428
236 TYPE BreakdownElementOrAlternativeSolutionSelect = S  429 TYPE BreakdownElementOrAlternativeSolutionSelect = S
237   AlternativeSolution,                   430   AlternativeSolution,
238   BreakdownElement                       431   BreakdownElement
239 );                                       432 );
240 END_TYPE;                                433 END_TYPE;
241                                          434
242 TYPE BreakdownElementOrPartOccurrenceSelect = SELECT  435 TYPE BreakdownElementOrOccurrenceSelect = SELECT(
243   BreakdownElement,                      436   BreakdownElement,
244   PartOccurrence                         437   Occurrence
                                            438 );
                                            439 END_TYPE;
                                            440
                                            441 TYPE BreakdownVersionAssignmentSelect = SELECT(
                                            442   DocumentDefinition,
                                            443   IndividualPartView,
                                            444   Occurrence,
                                            445   PartView,
                                            446   ProductClass,
                                            447   ProductConfiguration,
```

709 differences (2267 lines) found		
Added(1455)	Deleted(440)	Changed(372)

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	448 RequirementView
245);	449);
246 END_TYPE;	450 END_TYPE;
247	451
248 TYPE CertificationAssignmentSelect = SELECT(	452 TYPE CertificationAssignmentSelect = SELECT(
249 AlternatePartRelationship,	453 Activity,
250 PartOccurrence,	454 ActivityMethod,
	455 ActivityMethodAssignment,
	456 Breakdown,
	457 BreakdownElement,
	458 BreakdownElementVersion,
	459 BreakdownElementVersionRelationship,
	460 BreakdownElementViewRelationship,
	461 BreakdownVersion,
	462 BreakdownVersionRelationship,
	463 Document,
	464 DocumentDefinitionRelationship,
	465 DocumentVersion,
	466 DocumentVersionRelationship,
	467 IndividualPart,
	468 IndividualPartVersion,
	469 IndividualPartVersionRelationship,
	470 IndividualPartViewRelationship,
	471 Occurrence,
	472 Part,
	473 PartRelationship,
251 PartVersion,	474 PartVersion,
252 PartVersionRelationship,	475 PartVersionRelationship,
	476 PartViewRelationship,
	477 ProductConfiguration,
	478 Project,
	479 Requirement,
	480 RequirementVersion,
	481 RequirementVersionRelationship,
	482 RequirementViewRelationship,
253 SupplierSolution	483 SupplierSolution
254);	484);
255 END_TYPE;	485 END_TYPE;
256	486
257 TYPE CharacterString = STRING;	487 TYPE CharacterString = STRING;
258 END_TYPE;	488 END_TYPE;
259	489
260 TYPE ClassSelect = SELECT(	490 TYPE ClassSelect = SELECT(
261 Class,	491 Class,
262 ClassString,	492 ClassString,
263 ExternalClass,	493 ExternalClass,
264 ExternalOwlClass	494 ExternalOwlClass
265);	495);
266 END_TYPE;	496 END_TYPE;
267	497
268 TYPE ClassString = STRING;	498 TYPE ClassString = STRING;
269 END_TYPE;	499 END_TYPE;
270	500
271 TYPE ComponentClassForAssemblySelect = SELECT(	501 TYPE ComponentClassForAssemblySelect = SELECT(
272 CompositeAssembly,	502 CompositeAssembly,
273 FilamentLaminate,	503 FilamentLaminate,
274 Ply,	504 Ply,
275 PlyLaminate,	505 PlyLaminate,
276 ProcessedCore	506 ProcessedCore
277);	507);
278 END_TYPE;	508 END_TYPE;
279	509
280 TYPE CompositeAssemblyShapeSelect = SELECT(	510 TYPE CompositeAssemblyShapeSelect = SELECT(
281 ExternalAdvancedBrepShapeRepresentation,	511 ExternalAdvancedBrepShapeRepresentation,
282 ExternalEdgeBasedWireframeShapeRepresentation,	512 ExternalEdgeBasedWireframeShapeRepresentation,
283 ExternalFacetedBrepShapeRepresentation,	513 ExternalFacetedBrepShapeRepresentation,
284 ExternalGeometricallyBoundedSurfaceShapeRepresenta	514 ExternalGeometricallyBoundedSurfaceShapeRepresenta
285 ExternalGeometricallyBoundedWireframeShapeRepresen	515 ExternalGeometricallyBoundedWireframeShapeRepresen
286 ExternalManifoldSurfaceShapeRepresentation,	516 ExternalManifoldSurfaceShapeRepresentation,
287 ExternalShellBasedWireframeShapeRepresentation,	517 ExternalShellBasedWireframeShapeRepresentation,
288 ThreeDGeometrySet	518 ThreeDGeometrySet
289);	519);
290 END_TYPE;	520 END_TYPE;
291	521
	522 TYPE ConditionAssignmentSelect = SELECT(
	523 Activity,
	524 ActivityAssignment,
	525 ActivityMethod,
	526 ActivityMethodAssignment,
	527 ActivityMethodRelationship,
	528 AddressAssignment,
	529 Approval,
	530 ApprovalAssignment,
	531 BreakdownElementViewRelationship,
	532 BreakdownVersionAssignment,
	533 CertificationAssignment,
	534 ConditionAssignment,
	535 ContractAssignment,
	536 DateAndPersonAssignment,
	537 DateTimeAssignment,
	538 DocumentAssignment,
	539 DocumentDefinitionRelationship,

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```
540    Effectivity,
541    EffectivityAssignment,
542    EventAssignment,
543    FrozenAssignment,
544    IndividualPartViewRelationship,
545    InformationUsageRightAssignment,
546    MaterialPropertyAssignment,
547    ModelPropertyAssignment,
548    OrganizationOrPersonInOrganizationAssignment,
549    PartViewRelationship,
550    ProcessOperationResourceAssignment,
551    ProjectAssignment,
552    PropertyDefinitionAssignment,
553    PropertyValueAssignment,
554    RequirementAssignment,
555    RequirementViewRelationship,
556    SecurityClassificationAssignment,
557    SpecificationAssignment,
558    SpecificationCategoryAssignment,
559    SpecificationConditionAssignment,
560    SpecificationInclusionAssignment,
561    TimeIntervalAssignment,
562    WorkOrderAssignment,
563    WorkRequestAssignment
564 );
565 END_TYPE;
566
567 TYPE ConditionParameterSelect = SELECT(
568    Activity,
569    ActivityAssignment,
570    ActivityMethod,
571    ActivityMethodAssignment,
572    AddressAssignment,
573    Approval,
574    ApprovalAssignment,
575    Breakdown,
576    BreakdownElement,
577    BreakdownElementVersion,
578    BreakdownElementView,
579    BreakdownElementViewRelationship,
580    BreakdownVersion,
581    BreakdownVersionAssignment,
582    CertificationAssignment,
583    Classification,
584    Condition,
585    ConditionAssignment,
586    ConditionRelationship,
587    ContractAssignment,
588    DateAndPersonAssignment,
589    DateTimeAssignment,
590    DateTimeString,
591    Descriptor,
592    Document,
593    DocumentAssignment,
594    DocumentDefinition,
595    DocumentDefinitionRelationship,
596    DocumentVersion,
597    EffectivityAssignment,
598    EventAssignment,
599    ExternalPropertyDefinition,
600    FrozenAssignment,
601    Identifier,
602    IndividualPart,
603    IndividualPartVersion,
604    IndividualPartView,
605    IndividualPartViewRelationship,
606    InformationUsageRightAssignment,
607    MaterialPropertyAssignment,
608    ModelPropertyAssignment,
609    Organization,
610    OrganizationOrPersonInOrganizationAssignment,
611    Part,
612    PartVersion,
613    PartView,
614    PartViewRelationship,
615    ProcessOperationResourceAssignment,
616    ProductConcept,
617    ProductConfiguration,
618    ProjectAssignment,
619    PropertyDefinition,
620    PropertyDefinitionAssignment,
621    PropertyDefinitionRelationship,
622    PropertyDefinitionString,
623    PropertyValue,
624    PropertyValueAssignment,
625    PropertyValueRelationship,
626    Proxy,
627    Requirement,
628    RequirementAssignment,
629    RequirementVersion,
630    RequirementView,
631    RequirementViewRelationship,
```

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Added(1455)	Deleted(440)	Changed(372)

C:\Users\Günter Staub\Aktivitaeten\Kund...\bom DIS.exp	C:\Users\Günter Staub\Aktivitaeten\Kundenpr...\bom.exp
	632 SecurityClassificationAssignment,
	633 Specification,
	634 SpecificationAssignment,
	635 SpecificationAssignment,
	636 SpecificationCategoryAssignment,
	637 SpecificationCategoryAssignment,
	638 SpecificationConditionAssignment,
	639 SpecificationConditionAssignment,
	640 SpecificationInclusionAssignment,
	641 TimeIntervalAssignment,
	642 WorkOrderAssignment,
	643 WorkRequest,
	644 WorkRequestAssignment
	645);
	646 END_TYPE;
	647
292 TYPE ConfiguredItemSelect = SELECT(	648 TYPE ConfiguredItemSelect = SELECT(
293 AlternativeSolution,	649 AlternativeSolution,
	650 AssemblyViewRelationship,
294 BreakdownElement,	651 BreakdownElement,
295 PartOccurrence,	652 Occurrence,
296 ProcessOperationOccurrence,	653 ProcessOperationOccurrence,
297 ProcessPlan	654 ProcessPlan
298);	655);
299 END_TYPE;	656 END_TYPE;
300	657
301 TYPE ConfiguredSpecificationSelect = SELECT(	658 TYPE ConfiguredSpecificationSelect = SELECT(
302 ClassConditionAssociation,	659 SpecificationAssignment,
303 ClassSpecificationAssociation	660 SpecificationConditionAssignment
304);	661);
305 END_TYPE;	662 END_TYPE;
306	663
307 TYPE ContractAssignmentSelect = SELECT(	664 TYPE ContractAssignmentSelect = SELECT(
308 Activity,	665 Activity,
	666 ActivityMethod,
	667 ActivityMethodAssignment,
	668 ActivityMethodRelationship,
309 AlternativeSolution,	669 AlternativeSolution,
	670 Breakdown,
310 BreakdownElement,	671 BreakdownElement,
	672 BreakdownElementVersion,
	673 BreakdownVersion,
	674 Classification,
	675 Descriptor,
	676 Document,
311 DocumentVersion,	677 DocumentVersion,
	678 ExchangeContextClassLibrary,
	679 Identifier,
	680 IndividualPart,
	681 IndividualPartVersion,
312 InformationUsageRight,	682 InformationUsageRight,
313 Organization,	683 Organization,
	684 Part,
314 PartVersion,	685 PartVersion,
315 PersonInOrganization,	686 PersonInOrganization,
316 ProductConfiguration,	687 ProductConfiguration,
317 WorkOrder	688 Project,
318);	689 Proxy,
319 END_TYPE;	690 Requirement,
320	691 RequirementAssignment,
321 TYPE CoordinateTypeEnum = ENUMERATION OF(	692 RequirementCollectionRelationship,
322 cartesian,	693 RequirementSource,
323 cylindrical,	694 RequirementVersion,
324 spherical,	695 RequirementVersionRelationship,
325 polar,	696 RequirementView,
326 linear	697 WorkOrder,
	698 WorkRequest
327);	699);
328 END_TYPE;	700 END_TYPE;
329	701
330 TYPE CoreShapeSelect = SELECT(	702 TYPE CoreShapeSelect = SELECT(
331 BeveledSheetRepresentation,	703 BeveledSheetRepresentation,
332 ExternalAdvancedBrepShapeRepresentation,	704 ExternalAdvancedBrepShapeRepresentation,
333 ExternalFacetedBrepShapeRepresentation	705 ExternalFacetedBrepShapeRepresentation
334);	706);
335 END_TYPE;	707 END_TYPE;
336	708
337 TYPE DateTimeAssignmentSelect = SELECT(	709 TYPE DateTimeAssignmentSelect = SELECT(
338 Event,	710 Event,
339 GeneralOrganizationalDataSelect	711 GeneralOrganizationalDataSelect
340);	712);
341 END_TYPE;	713 END_TYPE;
342	714
343 TYPE DateTimePersonOrganizationElementSelect = SELEC	715 TYPE DateTimePersonOrganizationElementSelect = SELEC
344 Event,	716 Event,
345 GeneralOrganizationalDataSelect	717 GeneralOrganizationalDataSelect
346);	718);
347 END_TYPE;	719 END_TYPE;
348	720
349 TYPE DateTimeString = STRING;	721 TYPE DateTimeString = STRING;
350 END_TYPE;	722 END_TYPE;
351	723

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Added(1455)	Deleted(440)	Changed(372)

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352 TYPE DeltaChangeManagementObjectSelect = SELECT(	724 TYPE DeltaChangeManagementObjectSelect = SELECT(
353 ActivityAssignmentSelect,	725 ActivityAssignmentSelect,
354 EventAssignment	726 EventAssignment
355);	727);
356 END_TYPE;	728 END_TYPE;
357	729
358 TYPE DeltaChangeRelationshipSelect = SELECT(	730 TYPE DeltaChangeRelationshipSelect = SELECT(
359 AlternativeSolutionRelationship,	731 AlternativeSolutionRelationship,
360 BreakdownElementVersionRelationship,	732 BreakdownElementVersionRelationship,
361 DocumentVersionRelationship,	733 DocumentVersionRelationship,
362 PartVersionRelationship,	734 PartVersionRelationship,
363 ProcessOperationOccurrenceRelationship,	735 ProcessOperationOccurrenceRelationship,
364 ProcessPlanRelationship,	736 ProcessPlanRelationship,
365 ReplacedPartViewRelationship,	737 ReplacedPartViewRelationship,
366 ReplacedUsageRelationship,	738 ReplacedUsageRelationship,
367 RequirementVersionRelationship,	739 RequirementVersionRelationship,
368 ShapeElementRelationship	740 ShapeElementRelationship
369);	741);
370 END_TYPE;	742 END_TYPE;
371	743
372 TYPE DescriptorSelect = SELECT(	744 TYPE DescriptorSelect = SELECT(
373 Descriptor,	745 Descriptor,
374 DescriptorSet,	746 DescriptorSet,
375 MultiLingualStringSelect	747 MultiLingualStringSelect
376);	748);
377 END_TYPE;	749 END_TYPE;
378	750
379 TYPE DescriptorSet = SET[2:?] OF Descriptor;	751 TYPE DescriptorSet = SET[2:?] OF Descriptor;
380 END_TYPE;	752 END_TYPE;
381	753
382 TYPE DocumentAssignmentSelect = SELECT(	754 TYPE DocumentAssignmentSelect = SELECT(
383 Activity,	755 Activity,
384 ActivityAssignment,	756 ActivityAssignment,
385 ActivityMethod,	757 ActivityMethod,
	758 ActivityMethodAssignment,
	759 ActivityMethodRelationship,
	760 ActivityRelationship,
	761 AddressAssignment,
386 AlternativeSolution,	762 AlternativeSolution,
387 Approval,	763 Approval,
	764 ApprovalAssignment,
	765 ApprovalRelationship,
	766 ApprovingPersonOrganization,
	767 AssemblyOccurrenceRelationshipSubstitution,
	768 AssemblyViewRelationshipSubstitution,
388 Breakdown,	769 Breakdown,
389 BreakdownElement,	770 BreakdownElement,
	771 BreakdownElementAssociation,
	772 BreakdownElementRealization,
390 BreakdownElementVersion,	773 BreakdownElementVersion,
	774 BreakdownElementVersionRelationship,
391 BreakdownElementView,	775 BreakdownElementView,
	776 BreakdownElementViewRelationship,
392 BreakdownVersion,	777 BreakdownVersion,
	778 BreakdownVersionAssignment,
	779 BreakdownVersionRelationship,
393 Certification,	780 Certification,
	781 CertificationAssignment,
	782 Class,
394 ClassAttribute,	783 ClassAttribute,
395 ClassSelect,	784 ClassString,
	785 Classification,
	786 Condition,
	787 ConditionAssignment,
	788 ConditionRelationship,
396 Contract,	789 Contract,
	790 ContractAssignment,
	791 DateAndPersonAssignment,
	792 DateTimeAssignment,
397 DeltaChange,	793 DeltaChange,
398 ExternalClassSystem,	794 Descriptor,
	795 DescriptorRelationship,
	796 Document,
	797 DocumentAssignment,
	798 DocumentDefinition,
	799 DocumentDefinitionRelationship,
	800 DocumentVersion,
	801 DocumentVersionRelationship,
	802 Effectivity,
	803 EffectivityAssignment,
	804 EffectivityRelationship,
	805 EventAssignment,
	806 ExternalClass,
399 ExternalItem,	807 ExternalItem,
	808 ExternalOwlClass,
	809 ExternalPropertyDefinition,
	810 FileRelationship,
	811 FrozenAssignment,
	812 Identifier,
	813 IdentifierRelationship,
	814 InZone,
400 IndividualAssemblyRelationship,	815 IndividualAssemblyRelationship,

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	816 IndividualPart,
401 IndividualPartTestResult,	817 IndividualPartTestResult,
	818 IndividualPartVersion,
	819 IndividualPartVersionRelationship,
402 IndividualPartView,	820 IndividualPartView,
	821 IndividualPartViewRelationship,
403 InformationRight,	822 InformationRight,
404 InformationUsageRight,	823 InformationUsageRight,
	824 InformationUsageRightAssignment,
405 InformationUsageRightRelationship,	825 InformationUsageRightRelationship,
406 MaterialIdentification,	826 MaterialIdentification,
	827 MaterialPropertyAssignment,
	828 ModelPropertyAssignment,
	829 Occurrence,
	830 OccurrenceRelationship,
407 Organization,	831 Organization,
	832 OrganizationOrPersonInOrganizationAssignment,
	833 OrganizationRelationship,
408 Part,	834 Part,
409 PartOccurrence,	835 PartRelationship,
410 PartOccurrenceRelationship,	836 PartToIndividualPartAssociation,
411 PartShape,	837 PartVersion,
	838 PartVersionRelationship,
	839 PartVersionToIndividualPartVersionAssociation,
412 PartView,	840 PartView,
413 PartViewOccurrenceRelationship,	
414 PartViewRelationship,	841 PartViewRelationship,
	842 PartViewToIndividualPartViewAssociation,
415 Person,	843 Person,
	844 PersonInOrganization,
416 ProcessOperationOccurrence,	845 ProcessOperationOccurrence,
	846 ProcessOperationResourceAssignment,
417 ProcessPlan,	847 ProcessPlan,
418 ProductClass,	848 ProductConcept,
419 ProductConfiguration,	849 ProductConfiguration,
420 Project,	850 Project,
421 PropertyDefinitionSelect,	851 ProjectAssignment,
	852 ProjectRelationship,
	853 PropertyDefinition,
	854 PropertyDefinitionAssignment,
	855 PropertyDefinitionRelationship,
	856 PropertyDefinitionString,
422 PropertyValue,	857 PropertyValue,
423 RealizationOrOccurrenceRelationship,	858 PropertyValueAssignment,
	859 PropertyValueRelationship,
	860 Proxy,
	861 Requirement,
	862 RequirementAssignment,
	863 RequirementSource,
	864 RequirementVersion,
	865 RequirementVersionRelationship,
424 RequirementView,	866 RequirementView,
	867 RequirementViewRelationship,
425 RetentionPeriod,	868 RetentionPeriod,
426 SecurityClassification,	869 SecurityClassification,
	870 SecurityClassificationAssignment,
427 ShapeElement,	871 ShapeElement,
428 ShapeElementRelationship,	872 ShapeElementRelationship,
429 Specification,	873 Specification,
	874 SpecificationAssignment,
430 SpecificationCategory,	875 SpecificationCategory,
	876 SpecificationCategoryAssignment,
	877 SpecificationConditionAssignment,
	878 SpecificationInclusionAssignment,
431 SurfaceCondition,	879 SurfaceCondition,
	880 TimeInterval,
	881 TimeIntervalAssignment,
	882 TimeIntervalRelationship,
	883 ViewContext,
	884 ViewOccurrenceRelationship,
432 WorkOrder,	885 WorkOrder,
433 WorkRequest	886 WorkOrderAssignment,
	887 WorkRequest,
	888 WorkRequestAssignment
434);	889);
435 END_TYPE;	890 END_TYPE;
436	891
437 TYPE EffectivityAssignmentSelect = SELECT(	892 TYPE EffectivityAssignmentSelect = SELECT(
438 AlternativeSolution,	893 Activity,
	894 ActivityAssignment,
	895 ActivityMethod,
	896 ActivityMethodAssignment,
	897 ActivityMethodRelationship,
	898 ActivityRelationship,
	899 AddressAssignment,
	900 AlternativeSolutionRelationship,
	901 ApprovalAssignment,
	902 ApprovalRelationship,
439 AssemblyOccurrenceRelationshipSubstitution,	903 AssemblyOccurrenceRelationshipSubstitution,
440 AssemblyViewRelationshipSubstitution,	904 AssemblyViewRelationshipSubstitution,
	905 AssignmentObjectRelationship,
441 Breakdown,	906 Breakdown,

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442 BreakdownElement,	907 BreakdownElement,
	908 BreakdownElementRelationship,
	909 BreakdownElementVersion,
443 BreakdownElementVersionRelationship,	910 BreakdownElementVersionRelationship,
	911 BreakdownElementView,
444 BreakdownElementViewRelationship,	912 BreakdownElementViewRelationship,
	913 BreakdownRelationship,
445 BreakdownVersion,	914 BreakdownVersion,
446 ClassCategoryAssociation,	915 BreakdownVersionAssignment,
447 ClassConditionAssociation,	916 BreakdownVersionRelationship,
448 ClassInclusionAssociation,	917 CertificationAssignment,
449 ClassSelect,	918 Class,
450 ClassSpecificationAssociation,	919 ClassString,
451 Configuration,	920 ClassificationRelationship,
	921 Condition,
	922 ConditionAssignment,
	923 ConditionRelationship,
	924 ConditionalConfiguration,
	925 ContractAssignment,
	926 DateAndPersonAssignment,
	927 DateTimeAssignment,
	928 Descriptor,
	929 DescriptorRelationship,
452 Document,	930 Document,
	931 DocumentAssignment,
453 DocumentDefinition,	932 DocumentDefinition,
454 DocumentDefinitionRelationship,	933 DocumentDefinitionRelationship,
	934 DocumentRelationship,
455 DocumentVersion,	935 DocumentVersion,
	936 DocumentVersionRelationship,
	937 EffectivityAssignment,
	938 EffectivityRelationship,
	939 EventAssignment,
	940 EventRelationship,
	941 ExternalClass,
456 ExternalClassSystem,	942 ExternalClassSystem,
	943 ExternalOwlClass,
	944 ExternalPropertyDefinition,
457 File,	945 File,
	946 FileRelationship,
	947 FrozenAssignment,
458 GeometricModel,	948 GeometricModel,
459 IdentifierSelect,	949 Identifier,
	950 IdentifierRelationship,
	951 IdentifierSet,
	952 IdentifierString,
	953 InZone,
	954 IndividualAssemblyRelationship,
	955 IndividualPart,
	956 IndividualPartRelationship,
	957 IndividualPartVersion,
	958 IndividualPartVersionRelationship,
	959 IndividualPartView,
	960 IndividualPartViewRelationship,
	961 InformationUsageRightAssignment,
	962 InformationUsageRightRelationship,
	963 LinkMotionDecompositionRelationship,
	964 LinkMotionRelationship,
	965 MatedPartRelationship,
	966 MaterialPropertyAssignment,
	967 ModelPropertyAssignment,
	968 Occurrence,
	969 OccurrenceRelationship,
	970 OrganizationOrPersonInOrganizationAssignment,
	971 OrganizationRelationship,
460 Part,	972 Part,
461 PartOccurrence,	973 PartRelationship,
462 PartOccurrenceRelationship,	974 PartToIndividualPartAssociation,
463 PartVersion,	975 PartVersion,
	976 PartVersionRelationship,
	977 PartVersionToIndividualPartVersionAssociation,
464 PartView,	978 PartView,
465 PartViewOccurrenceRelationship,	
466 PartViewRelationship,	979 PartViewRelationship,
	980 PartViewToIndividualPartViewAssociation,
	981 PersonInOrganization,
	982 PersonInOrganizationRelationship,
467 ProcessOperationDefinition,	983 ProcessOperationDefinition,
468 ProcessOperationDefinitionRelationship,	984 ProcessOperationDefinitionRelationship,
469 ProcessOperationOccurrence,	985 ProcessOperationOccurrence,
470 ProcessOperationOccurrenceRelationship,	986 ProcessOperationOccurrenceRelationship,
471 ProcessOperationResourceAssignment,	987 ProcessOperationResourceAssignment,
472 ProcessPlan,	988 ProcessPlan,
	989 ProcessPlanRelationship,
473 ProductClass,	990 ProductClass,
	991 ProductClassRelationship,
474 ProductConfiguration,	992 ProductConfiguration,
	993 ProductConfigurationRelationship,
	994 ProductDesignAssociation,
	995 ProjectAssignment,
	996 ProjectRelationship,
	997 PropertyDefinition,

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475 PropertyDefinitionAssignment,	998 PropertyDefinitionAssignment,
476 PropertyDefinitionSelect,	999 PropertyDefinitionAssignmentRelationship,
	1000 PropertyDefinitionRelationship,
	1001 PropertyDefinitionString,
	1002 PropertyValue,
477 PropertyValueAssignment,	1003 PropertyValueAssignment,
478 RealizationOrOccurrenceRelationship,	1004 PropertyValueAssignmentRelationship,
	1005 PropertyValueRelationship,
	1006 ProxyRelationship,
	1007 ProxySelect,
	1008 Requirement,
	1009 RequirementAssignment,
	1010 RequirementRelationship,
	1011 RequirementSource,
	1012 RequirementVersion,
	1013 RequirementVersionRelationship,
	1014 RequirementView,
	1015 RequirementViewRelationship,
479 SecurityClassification,	1016 SecurityClassification,
	1017 SecurityClassificationAssignment,
	1018 ShapeElementRelationship,
480 Specification,	1019 Specification,
	1020 SpecificationAssignment,
481 SpecificationCategory,	1021 SpecificationCategory,
482 SpecificationExpression,	1022 SpecificationConditionAssignment,
483 SpecificationInclusion,	1023 SpecificationInclusion,
484 StyledModel	1024 SpecificationInclusionAssignment,
	1025 StyledModel,
	1026 SuppliedObjectRelationship,
	1027 TimeIntervalAssignment,
	1028 TimeIntervalRelationship,
	1029 ViewOccurrenceRelationship,
	1030 WorkOrder,
	1031 WorkOrderAssignment,
	1032 WorkOrderRelationship,
	1033 WorkRequestAssignment,
	1034 WorkRequestRelationship
	1035);
	1036 END_TYPE;
	1037
	1038 TYPE EffectivityContextSelect = SELECT(
	1039 Activity,
	1040 Contract,
	1041 Organization,
	1042 PersonInOrganization,
	1043 ProductClass,
	1044 ProductConfiguration,
	1045 Project
485);	1046);
486 END_TYPE;	1047 END_TYPE;
487	1048
488 TYPE EvaluationResultEnum = ENUMERATION OF(	1049 TYPE EvaluationResultEnum = ENUMERATION OF(
489 fail,	1050 fail,
490 pass,	1051 pass,
491 undefined	1052 undefined
492);	1053);
493 END_TYPE;	1054 END_TYPE;
494	1055
495 TYPE EvaluationStatusEnum = ENUMERATION OF(	1056 TYPE EvaluationStatusEnum = ENUMERATION OF(
496 invalid,	1057 invalid,
497 not_evaluatable,	1058 not_evaluatable,
498 to_be_evaluated,	1059 to_be_evaluated,
499 valid	1060 valid
500);	1061);
501 END_TYPE;	1062 END_TYPE;
502	1063
503 TYPE EventOrDateSelect = SELECT(	1064 TYPE EventOrDateSelect = SELECT(
504 DateTimeString,	1065 DateTimeString,
505 Event	1066 Event
506);	1067);
507 END_TYPE;	1068 END_TYPE;
508	1069
509 TYPE ExplicitTransformationSelect = SELECT(	1070 TYPE ExternalCurveOrSurfaceSelect = SELECT(
510 ExplicitTransformation2d,	1071 Curve,
511 ExplicitTransformation3d	1072 Surface
512);	1073);
513 END_TYPE;	1074 END_TYPE;
514	1075
515 TYPE ExternalSourceSelect = SELECT(	1076 TYPE ExternalSourceSelect = SELECT(
516 DigitalFile,	1077 DigitalFile,
517 Document,	1078 Document,
518 IdentifierSelect	1079 IdentifierSelect
519);	1080);
520 END_TYPE;	1081 END_TYPE;
521	1082
522 TYPE ExternalCurveOrSurfaceSelect = SELECT (	1083 TYPE ExternalTrimmedCurveOrSurfaceSelect = SELECT(
523 ExternalCurve,	1084 RectangularTrimmedSurface,
524 ExternalSurface	1085 TrimmedCurve
525);	
526 END_TYPE;	
527	
528 TYPE ExternalTrimmedCurveOrSurfaceSelect = SELECT (	

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529 ExternalTrimmedCurve,	
530 ExternalRectangularTrimmedSurface	
531);	1086);
532 END_TYPE;	1087 END_TYPE;
533	1088
534 TYPE FinalDefinitionSelect = SELECT(	1089 TYPE FinalDefinitionSelect = SELECT(
535 IndividualPartView,	1090 IndividualPartView,
536 PartView,	1091 PartView,
537 RequirementView	1092 RequirementView
538);	1093);
539 END_TYPE;	1094 END_TYPE;
540	1095
541 TYPE GeneralOrganizationalDataSelect = SELECT(	1096 TYPE GeneralOrganizationalDataSelect = SELECT(
542 Activity,	1097 Activity,
543 ActivityAssignment,	1098 ActivityAssignment,
544 ActivityMethodWorkRequestAssociation,	1099 ActivityMethod,
545 AlternatePartRelationship,	1100 ActivityMethodAssignment,
	1101 ActivityMethodRelationship,
	1102 ActivityRelationship,
	1103 AddressAssignment,
546 AlternativeSolution,	1104 AlternativeSolution,
547 AlternativeSolutionRelationship,	1105 AlternativeSolutionRelationship,
548 Approval,	1106 Approval,
	1107 ApprovalAssignment,
	1108 ApprovalRelationship,
	1109 ApprovingPersonOrganization,
549 AssemblyOccurrenceRelationshipSubstitution,	1110 AssemblyOccurrenceRelationshipSubstitution,
550 AssemblyViewRelationshipSubstitution,	1111 AssemblyViewRelationshipSubstitution,
551 Breakdown,	1112 Breakdown,
552 BreakdownElement,	1113 BreakdownElement,
	1114 BreakdownElementRealization,
	1115 BreakdownElementVersion,
553 BreakdownElementVersionRelationship,	1116 BreakdownElementVersionRelationship,
	1117 BreakdownElementView,
554 BreakdownElementViewRelationship,	1118 BreakdownElementViewRelationship,
555 BreakdownVersion,	1119 BreakdownVersion,
	1120 BreakdownVersionAssignment,
	1121 BreakdownVersionRelationship,
556 Certification,	1122 Certification,
557 ClassCategoryAssociation,	1123 CertificationAssignment,
558 ClassConditionAssociation,	1124 Class,
559 ClassInclusionAssociation,	1125 ClassString,
560 ClassSelect,	
561 ClassSpecificationAssociation,	
562 Classification,	1126 Classification,
563 Configuration,	1127 Condition,
	1128 Condition,
	1129 ConditionAssignment,
	1130 ConditionalConfiguration,
	1131 ConfiguredAssemblyEffectivity,
564 Contract,	1132 Contract,
	1133 ContractAssignment,
	1134 DateAndPersonAssignment,
	1135 DateTimeAssignment,
	1136 Descriptor,
	1137 DescriptorRelationship,
565 Document,	1138 Document,
	1139 DocumentAssignment,
566 DocumentDefinition,	1140 DocumentDefinition,
	1141 DocumentDefinitionRelationship,
567 DocumentVersion,	1142 DocumentVersion,
	1143 DocumentVersionRelationship,
	1144 Effectivity,
	1145 EffectivityAssignment,
	1146 EventAssignment,
	1147 ExternalClass,
568 ExternalClassSystem,	1148 ExternalClassSystem,
	1149 ExternalOwlClass,
	1150 ExternalPropertyDefinition,
569 File,	1151 File,
	1152 FrozenAssignment,
570 GeometricModel,	1153 GeometricModel,
571 IdentifierSelect,	1154 Identifier,
	1155 IdentifierRelationship,
	1156 IdentifierSet,
	1157 IdentifierString,
572 IndividualAssemblyRelationship,	1158 IndividualAssemblyRelationship,
573 IndividualPartTestResult,	1159 IndividualPartTestResult,
	1160 IndividualPartVersion,
	1161 IndividualPartVersionRelationship,
574 IndividualPartView,	1162 IndividualPartView,
	1163 IndividualPartViewRelationship,
575 InformationUsageRight,	1164 InformationUsageRight,
576 ManufacturingConfiguration,	1165 InformationUsageRightAssignment,
577 MaterialIdentification,	1166 MaterialIdentification,
	1167 MaterialPropertyAssignment,
	1168 ModelPropertyAssignment,
	1169 Occurrence,
	1170 OccurrenceRelationship,
578 Organization,	1171 Organization,
	1172 OrganizationOrPersonInOrganizationAssignment,
579 OrganizationRelationship,	1173 OrganizationRelationship,

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580 Part,	1174 Part,
581 PartOccurrence,	1175 PartRelationship,
582 PartOccurrenceRelationship,	1176 PartToIndividualPartAssociation,
583 PartVersion,	1177 PartVersion,
584 PartVersionRelationship,	1178 PartVersionRelationship,
	1179 PartVersionToIndividualPartVersionAssociation,
585 PartView,	1180 PartView,
586 PartViewOccurrenceRelationship,	
587 PartViewRelationship,	1181 PartViewRelationship,
	1182 PartViewToIndividualPartViewAssociation,
	1183 Person,
588 PersonInOrganization,	1184 PersonInOrganization,
589 PersonInOrganizationRelationship,	1185 PersonInOrganizationRelationship,
590 ProcessOperationDefinition,	1186 ProcessOperationDefinition,
591 ProcessOperationOccurrence,	1187 ProcessOperationOccurrence,
592 ProcessOperationResourceAssignment,	1188 ProcessOperationResourceAssignment,
593 ProcessPlan,	1189 ProcessPlan,
594 ProductClass,	1190 ProductConcept,
595 ProductConfiguration,	1191 ProductConfiguration,
596 Project,	1192 Project,
	1193 ProjectAssignment,
	1194 PropertyDefinition,
597 PropertyDefinitionAssignment,	1195 PropertyDefinitionAssignment,
598 PropertyDefinitionSelect,	1196 PropertyDefinitionRelationship,
	1197 PropertyDefinitionString,
599 PropertyValue,	1198 PropertyValue,
600 PropertyValueAssignment,	1199 PropertyValueAssignment,
601 RealizationOrOccurrenceRelationship,	1200 PropertyValueRelationship,
	1201 Proxy,
	1202 RequirementAssignment,
	1203 RequirementSource,
	1204 RequirementVersion,
	1205 RequirementVersionRelationship,
602 RequirementView,	1206 RequirementView,
	1207 RequirementViewRelationship,
603 SecurityClassification,	1208 SecurityClassification,
604 SecurityClassificationAssignment,	1209 SecurityClassificationAssignment,
605 SetMembership,	1210 SetMembership,
606 Specification,	1211 Specification,
	1212 SpecificationAssignment,
607 SpecificationCategory,	1213 SpecificationCategory,
608 SpecificationExpression,	1214 SpecificationCategoryAssignment,
	1215 SpecificationConditionAssignment,
609 SpecificationInclusion,	1216 SpecificationInclusion,
	1217 SpecificationInclusionAssignment,
610 StyledModel,	1218 StyledModel,
611 SubsetMember,	1219 SubsetMember,
	1220 TimeIntervalAssignment,
	1221 ViewOccurrenceRelationship,
612 WorkOrder,	1222 WorkOrder,
613 WorkRequest	1223 WorkOrderAssignment,
	1224 WorkRequest,
	1225 WorkRequestAssignment
614);	1226);
615 END_TYPE;	1227 END_TYPE;
616	1228
617 TYPE GeometricBoundingCurveSelect = SELECT(	1229 TYPE GeometricBoundingCurveSelect = SELECT(
618 ExternalCompositeCurveOnSurface,	1230 CompositeCurveOnSurface,
619 ExternalPcurve,	1231 Pcurve,
620 ExternalSurfaceCurve	1232 SurfaceCurve
621);	
622 END_TYPE;	
623	
624 TYPE GeometricModelOrExternalRepresentationSelect =	
625 ExternalRepresentation,	
626 GeometricModel	
627);	1233);
628 END_TYPE;	1234 END_TYPE;
629	1235
630 TYPE HighOrderKinematicPairType = ENUMERATION OF (	1236 TYPE HighOrderKinematicPairTypeEnum = ENUMERATION OF
631 linear_flexible_and_planar_curve_pair,	1237 linear_flexible_and_planar_curve_pair,
632 point_on_surface_pair,	1238 point_on_surface_pair,
633 point_on_planar_curve_pair,	1239 point_on_planar_curve_pair,
634 planar_curve_pair,	1240 planar_curve_pair,
635 rolling_curve_pair,	1241 rolling_curve_pair,
636 sliding_curve_pair,	1242 sliding_curve_pair,
637 rolling_surface_pair,	1243 rolling_surface_pair,
638 sliding_surface_pair	1244 sliding_surface_pair
639);	1245);
640 END_TYPE;	1246 END_TYPE;
641	1247
642 TYPE IdentificationContextSelect = SELECT(	1248 TYPE IdentificationContextSelect = SELECT(
643 Identifier,	1249 Identifier,
644 Organization	1250 Organization
645);	1251);
646 END_TYPE;	1252 END_TYPE;
647	1253
648 TYPE IdentifierSelect = SELECT(	1254 TYPE IdentifierSelect = SELECT(
649 IdentifierSet,	1255 IdentifierSet,
650 SingleIdentifierSelect	1256 SingleIdentifierSelect
651);	1257);
652 END_TYPE;	1258 END_TYPE;

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653	1259
654 TYPE IdentifierSet = SET[2:?] OF Identifier;	1260 TYPE IdentifierSet = SET[2:?] OF Identifier;
655 END_TYPE;	1261 END_TYPE;
656	1262
657 TYPE IdentifierString = STRING;	1263 TYPE IdentifierString = STRING;
658 END_TYPE;	1264 END_TYPE;
659	1265
660 TYPE IndividualAssemblyRelationshipRealizationContex	
661 AssemblyViewRelationship,	
662 PartOccurrence	
663);	
664 END_TYPE;	
665	
666 TYPE InformationUsageRightAssignmentSelect = SELECT(	1266 TYPE InformationUsageRightAssignmentSelect = SELECT(
667 Activity,	1267 Activity,
668 ActivityAssignment,	1268 ActivityAssignment,
669 ActivityMethod,	1269 ActivityMethod,
670 ActivityMethodWorkRequestAssociation,	
671 AlternatePartRelationship,	
672 AlternativeSolution,	1270 AlternativeSolution,
673 AlternativeSolutionRelationship,	1271 AlternativeSolutionRelationship,
674 Approval,	1272 Approval,
	1273 AssemblyOccurrenceRelationship,
675 AssemblyOccurrenceRelationshipSubstitution,	1274 AssemblyOccurrenceRelationshipSubstitution,
	1275 AssemblyViewRelationship,
676 AssemblyViewRelationshipSubstitution,	1276 AssemblyViewRelationshipSubstitution,
677 Breakdown,	1277 Breakdown,
678 BreakdownElement,	1278 BreakdownElement,
	1279 BreakdownElementRealization,
679 BreakdownElementVersion,	1280 BreakdownElementVersion,
680 BreakdownElementVersionRelationship,	1281 BreakdownElementVersionRelationship,
681 BreakdownElementView,	1282 BreakdownElementView,
682 BreakdownElementViewRelationship,	1283 BreakdownElementViewRelationship,
683 BreakdownVersion,	1284 BreakdownVersion,
	1285 BreakdownVersion,
684 Certification,	1286 Certification,
685 ClassConditionAssociation,	1287 Class,
686 ClassInclusionAssociation,	1288 ClassString,
687 ClassSelect,	
688 ClassSpecificationAssociation,	
689 Classification,	1289 Classification,
690 Configuration,	1290 Classification,
	1291 Condition,
	1292 ConditionalConfiguration,
	1293 ConfiguredAssemblyEffectivity,
691 Contract,	1294 Contract,
692 DeltaChange,	1295 DeltaChange,
	1296 Descriptor,
	1297 DescriptorRelationship,
	1298 DigitalFile,
693 Document,	1299 Document,
694 DocumentDefinition,	1300 DocumentDefinition,
	1301 DocumentDefinitionRelationship,
695 DocumentVersion,	1302 DocumentVersion,
	1303 ExternalClass,
696 ExternalClassSystem,	1304 ExternalClassSystem,
697 ExternalItem,	1305 ExternalItem,
	1306 ExternalOwlClass,
	1307 ExternalPropertyDefinition,
698 File,	1308 File,
	1309 FileRelationship,
699 GeometricModel,	1310 GeometricModel,
700 IdentifierSelect,	1311 Identifier,
	1312 IdentifierRelationship,
	1313 IdentifierSet,
	1314 IdentifierString,
701 IndividualAssemblyRelationship,	1315 IndividualAssemblyRelationship,
702 IndividualPart,	1316 IndividualPart,
703 IndividualPartTestResult,	1317 IndividualPartTestResult,
704 IndividualPartVersion,	1318 IndividualPartVersion,
705 IndividualPartView,	1319 IndividualPartView,
706 InformationRight,	1320 InformationRight,
707 InformationUsageRight,	1321 InformationUsageRight,
708 InformationUsageRightRelationship,	1322 InformationUsageRightRelationship,
709 ManufacturingConfiguration,	
710 MaterialIdentification,	1323 MaterialIdentification,
	1324 Occurrence,
	1325 OccurrenceRelationship,
711 Organization,	1326 Organization,
712 OrganizationRelationship,	1327 OrganizationRelationship,
713 Part,	1328 Part,
714 PartOccurrence,	1329 PartInformationSelect,
715 PartOccurrenceRelationship,	1330 PartRelationship,
716 PartShape,	
717 PartVersion,	1331 PartVersion,
718 PartVersionRelationship,	1332 PartVersionRelationship,
719 PartView,	1333 PartView,
720 PartViewOccurrenceRelationship,	
721 PartViewRelationship,	1334 PartViewRelationship,
722 Person,	1335 Person,
723 PersonInOrganization,	1336 PersonInOrganization,
724 PersonInOrganizationRelationship,	1337 PersonInOrganizationRelationship,

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725 ProcessOperationDefinition,	1338 ProcessOperationDefinition,
726 ProcessOperationOccurrence,	1339 ProcessOperationOccurrence,
727 ProcessOperationResourceAssignment,	1340 ProcessOperationResourceAssignment,
728 ProcessPlan,	1341 ProcessPlan,
729 ProductClass,	1342 ProductClass,
730 ProductConfiguration,	1343 ProductConfiguration,
731 Project,	1344 Project,
	1345 PropertyDefinition,
732 PropertyDefinitionAssignment,	1346 PropertyDefinitionAssignment,
733 PropertyDefinitionSelect,	1347 PropertyDefinitionString,
734 PropertyValue,	1348 PropertyValue,
735 PropertyValueAssignment,	1349 PropertyValueAssignment,
736 RealizationOrOccurrenceRelationship,	1350 Proxy,
737 Requirement,	1351 Requirement,
	1352 RequirementAssignment,
738 RequirementVersion,	1353 RequirementVersion,
739 RequirementView,	1354 RequirementView,
740 RetentionPeriod,	1355 RetentionPeriod,
741 SecurityClassification,	1356 SecurityClassification,
742 SecurityClassificationAssignment,	1357 SecurityClassificationAssignment,
743 ShapeElement,	1358 ShapeElement,
744 ShapeElementRelationship,	1359 ShapeElementRelationship,
745 Specification,	1360 Specification,
	1361 SpecificationAssignment,
746 SpecificationCategory,	1362 SpecificationCategory,
747 SpecificationExpression,	1363 SpecificationConditionAssignment,
748 SpecificationInclusion,	1364 SpecificationInclusion,
	1365 SpecificationInclusionAssignment,
749 StyledModel,	1366 StyledModel,
	1367 SuppliedObjectRelationship,
750 SurfaceCondition,	1368 SurfaceCondition,
	1369 ViewOccurrenceRelationship,
751 WorkOrder,	1370 WorkOrder,
752 WorkRequest	1371 WorkRequest
753);	1372);
754 END_TYPE;	1373 END_TYPE;
755	1374
756 TYPE InterpolationType = ENUMERATION OF (	1375 TYPE InterpolationTypeEnum = ENUMERATION OF(
757 undefined_interpolation_type,	1376 undefined_interpolation_type,
758 discontinuous_interpolation_type,	1377 discontinuous_interpolation_type,
759 synchronous_interpolation_type,	1378 synchronous_interpolation_type,
760 linear_interpolation_type	1379 linear_interpolation_type
761);	1380);
762 END_TYPE;	1381 END_TYPE;
763	1382
764 TYPE InZoneSelect = SELECT(	1383 TYPE InZoneSelect = SELECT(
765 ActivityMethod,	1384 ActivityMethod,
766 ActivityMethodAssignment,	1385 ActivityMethodAssignment,
767 ActivityMethodWorkRequestAssociation,	
768 BreakdownElementView,	1386 BreakdownElementView,
769 DocumentDefinition,	1387 DocumentDefinition,
770 IndividualPartView,	1388 IndividualPartView,
771 PartView,	1389 PartView,
772 RequirementView	1390 RequirementView
773);	1391);
774 END_TYPE;	1392 END_TYPE;
775	1393
776 TYPE Language = ProxySelect;	1394 TYPE Language = ProxySelect;
777 END_TYPE;	1395 END_TYPE;
778	1396
779 TYPE LengthMeasure = REAL;	1397 TYPE LengthMeasure = REAL;
780 END_TYPE;	1398 END_TYPE;
781	1399
782 TYPE LifeCycleStageSelect = SELECT(	1400 TYPE LifeCycleStageSelect = SELECT(
783 LifeCycleStage,	1401 LifeCycleStage,
784 ProxySelect	1402 ProxySelect
785);	1403);
786 END_TYPE;	1404 END_TYPE;
787	1405
788 TYPE LowOrderKinematicPairType = ENUMERATION OF (	1406 TYPE LowOrderKinematicPairTypeEnum = ENUMERATION OF(
789 cylindrical_pair,	1407 cylindrical_pair,
790 fully_constrained_pair,	1408 fully_constrained_pair,
791 planar_pair,	1409 planar_pair,
792 prismatic_pair,	1410 prismatic_pair,
793 revolute_pair,	1411 revolute_pair,
794 spherical_pair,	1412 spherical_pair,
795 spherical_pair_with_pin,	1413 spherical_pair_with_pin,
796 unconstrained_pair,	1414 unconstrained_pair,
797 universal_pair	1415 universal_pair
798);	1416);
799 END_TYPE;	1417 END_TYPE;
800	1418
801 TYPE LowOrderKinematicPairWithMotionCouplingType = E	1419 TYPE LowOrderKinematicPairWithMotionCouplingTypeEnum
802 gear_pair,	1420 gear_pair,
803 linear_flexible_and_pinion_pair,	1421 linear_flexible_and_pinion_pair,
804 rack_and_pinion_pair,	1422 rack_and_pinion_pair,
805 screw_pair	1423 screw_pair
806);	1424);
807 END_TYPE;	1425 END_TYPE;
808	1426
809 TYPE MatingTypeEnum = ENUMERATION OF(	1427 TYPE MatingTypeEnum = ENUMERATION OF(
810 bolted_joint,	1428 bolted_joint,

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811 brazing,	1429 brazing,
812 clasping,	1430 clasping,
813 clinching,	1431 clinching,
814 clipping,	1432 clipping,
815 doweling,	1433 doweling,
816 flanging,	1434 flanging,
817 foam_injection,	1435 foam_injection,
818 gluing,	1436 gluing,
819 laser_welding,	1437 laser_welding,
820 press_fit,	1438 press_fit,
821 riveting,	1439 riveting,
822 sewing,	1440 sewing,
823 spot_welding,	1441 spot_welding,
824 stapling,	1442 stapling,
825 welding,	1443 welding,
826 soldering,	1444 soldering,
827 friction_welding	1445 friction_welding
828);	1446);
829 END_TYPE;	1447 END_TYPE;
830	1448
831 TYPE MeasureActivitySelect = SELECT(	1449 TYPE MeasureActivitySelect = SELECT(
832 Activity,	1450 Activity,
833 ProcessOperationOccurrence	1451 ProcessOperationOccurrence
834);	1452);
835 END_TYPE;	1453 END_TYPE;
836	1454
837 TYPE ModelPropertyValueSelect = SELECT(	1455 TYPE ModelPropertyValueSelect = SELECT(
838 GeometricModel,	1456 GeometricModel,
839 StyledModel	1457 StyledModel
840);	1458);
841 END_TYPE;	1459 END_TYPE;
842	1460
	1461 TYPE MotionModelSelect = SELECT(
	1462 InterpolatedConfigurationModel,
	1463 LinkMotionAlongPath
	1464);
	1465 END_TYPE;
	1466
843 TYPE MultiLingualStringSelect = SELECT(	1467 TYPE MultiLingualStringSelect = SELECT(
844 CharacterString,	1468 CharacterString,
845 LocalizedString,	1469 LocalizedString,
846 TranslatedStringSet	1470 TranslatedStringSet
847);	1471);
848 END_TYPE;	1472 END_TYPE;
849	1473
850 TYPE OrientedSurfaceSelect = SELECT(	1474 TYPE OccurrenceDefinitionSelect = SELECT(
851 ExternalOrientedSurface,	1475 PartView,
852 ExternalSurface	1476 ProductConfiguration
853);	1477);
854 END_TYPE;	1478 END_TYPE;
855	1479
856 TYPE ParameterValue = REAL;	1480 TYPE OccurrenceUsageContextSelect = SELECT(
857 END_TYPE;	1481 BreakdownElementRealization,
	1482 ProcessOperationInputOrOutput,
	1483 ViewOccurrenceRelationship
	1484);
	1485 END_TYPE;
858	1486
859 TYPE PartInformationSelect = SELECT(	1487 TYPE OrganizationOrPersonInOrganizationSelect = SELE
860 BreakdownElement,	1488 Organization,
861 IndividualPartView,	1489 PersonInOrganization
862 PartOccurrence,	
863 PartView	
864);	1490);
865 END_TYPE;	1491 END_TYPE;
866	1492
867 TYPE PartOccurrenceDefinitionSelect = SELECT(	1493 TYPE ParameterSelect = SELECT(
868 PartView,	1494 ConditionParameter,
869 ProductConfiguration	1495 ConditionParameterSelect
870);	1496);
871 END_TYPE;	1497 END_TYPE;
872	1498
873 TYPE PartOccurrenceUsageContextSelect = SELECT(	1499 TYPE ParameterValue = REAL;
874 PartViewOccurrenceRelationship,	1500 END_TYPE;
875 ProcessOperationInputOrOutput,	1501
876 RealizationOrOccurrenceRelationship	1502 TYPE PartInformationSelect = SELECT(
	1503 AssemblyViewRelationship,
	1504 BreakdownElementView,
	1505 IndividualPartView,
	1506 Occurrence,
	1507 PartView
877);	1508);
878 END_TYPE;	1509 END_TYPE;
879	1510
880 TYPE PartVersionOrProductConfgurationSelect = SELECT	1511 TYPE PartVersionOrProductConfigurationSelect = SELEC
881 PartVersion,	1512 PartVersion,
882 ProductConfiguration	1513 ProductConfiguration
883);	1514);
884 END_TYPE;	1515 END_TYPE;
885	1516
886 TYPE PartViewOrProductConfgurationSelect = SELECT(	1517 TYPE PartViewOrProductConfigurationSelect = SELECT(
887 PartView,	1518 PartView,

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888 ProductConfiguration	1519 ProductConfiguration
889);	1520);
890 END_TYPE;	1521 END_TYPE;
891	1522
892 TYPE PeriodOrDateSelect = SELECT(	1523 TYPE PeriodOrDateSelect = SELECT(
893 DateTimeString,	1524 DateTimeString,
894 Duration,	1525 Duration,
895 Event	1526 Event
896);	1527);
897 END_TYPE;	1528 END_TYPE;
898	1529
899 TYPE PersonOrOrganizationSelect = SELECT(	
900 Organization,	
901 PersonInOrganization	
902);	
903 END_TYPE;	
904	
905 TYPE PhysicalElementSelect = SELECT(	1530 TYPE PhysicalElementSelect = SELECT(
906 AlternativeSolution,	1531 AlternativeSolution,
907 BreakdownElement,	1532 BreakdownElement,
908 PartView	1533 PartView
909);	1534);
910 END_TYPE;	1535 END_TYPE;
911	1536
912 TYPE PlaneAngleMeasure = REAL;	1537 TYPE PlaneAngleMeasure = REAL;
913 END_TYPE;	1538 END_TYPE;
914	
915	1539
916 TYPE PlyLaminateShapeSelect = SELECT(	1540 TYPE PlyLaminateShapeSelect = SELECT(
917 CompositeSheetRepresentation,	1541 CompositeSheetRepresentation,
918 ExternalAdvancedBrepShapeRepresentation,	1542 ExternalAdvancedBrepShapeRepresentation,
919 ExternalCsgShapeRepresentation,	1543 ExternalCsgShapeRepresentation,
920 ExternalCurveSweptSolidShapeRepresentation,	1544 ExternalCurveSweptSolidShapeRepresentation,
921 ExternalElementaryBrepShapeRepresentation,	1545 ExternalElementaryBrepShapeRepresentation,
922 ExternalFacetedBrepShapeRepresentation,	1546 ExternalFacetedBrepShapeRepresentation,
923 ExternalTessellatedShapeRepresentation,	1547 ExternalTessellatedShapeRepresentation,
924 ThreeDGeometrySet	1548 ThreeDGeometrySet
925);	1549);
926 END_TYPE;	1550 END_TYPE;
927	1551
928 TYPE PointSelect = SELECT(	1552 TYPE PointSelect = SELECT(
929 CartesianPoint,	1553 CartesianPoint,
930 ExternalDegeneratePcurve,	1554 DegeneratePcurve,
931 ExternalPointOnCurve,	1555 PointOnCurve,
932 ExternalPointOnSurface	1556 PointOnSurface
933);	1557);
934 END_TYPE;	1558 END_TYPE;
935	1559
936 TYPE ProcessOperationInputOrOutputSelect = SELECT(	1560 TYPE ProcessOperationInputOrOutputSelect = SELECT(
937 AssemblyOccurrenceRelationship,	1561 AssemblyOccurrenceRelationship,
938 AssemblyViewRelationship,	1562 AssemblyViewRelationship,
939 PartOccurrence,	1563 Occurrence,
940 PartVersion	1564 PartVersion
941);	1565);
942 END_TYPE;	1566 END_TYPE;
943	1567
944 TYPE ProcessOperationResourceAssignmentSelect = SELE	1568 TYPE ProcessOperationResourceAssignmentSelect = SELE
945 BreakdownElement,	1569 BreakdownElement,
946 IndividualPartView,	1570 IndividualPartView,
947 PartOccurrence,	1571 Occurrence,
948 PartVersion,	1572 PartVersion,
949 RequirementView	1573 RequirementView
950);	1574);
951 END_TYPE;	1575 END_TYPE;
952	1576
953 TYPE ProjectAssignmentSelect = SELECT(	1577 TYPE ProjectAssignmentSelect = SELECT(
954 Activity,	1578 Activity,
	1579 ActivityAssignment,
	1580 ActivityMethod,
	1581 ActivityMethodAssignment,
	1582 ActivityMethodRelationship,
955 AlternativeSolution,	1583 AlternativeSolution,
956 Breakdown,	1584 Breakdown,
957 BreakdownElement,	1585 BreakdownElement,
	1586 BreakdownElementVersion,
958 BreakdownVersion,	1587 BreakdownVersion,
	1588 BreakdownVersion,
959 Document,	1589 Document,
960 DocumentVersion,	1590 DocumentVersion,
	1591 IndividualPart,
	1592 IndividualPartVersion,
961 IndividualPartView,	1593 IndividualPartView,
	1594 Occurrence,
962 Part,	1595 Part,
963 PartOccurrence,	
964 PartVersion,	1596 PartVersion,
965 ProductClass,	1597 PartVersion,
966 ProductConfiguration	1598 ProductConcept,
	1599 ProductConfiguration,
	1600 PropertyValue,
	1601 Requirement,
	1602 RequirementVersion

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967);	1603);
968 END_TYPE;	1604 END_TYPE;
969	1605
970 TYPE PropertyAssignmentSelect = SELECT(	1606 TYPE PropertyAssignmentSelect = SELECT(
971 Activity,	1607 Activity,
	1608 ActivityAssignment,
972 ActivityMethod,	1609 ActivityMethod,
973 ActivityMethodAssignment,	1610 ActivityMethodAssignment,
	1611 ActivityMethodRelationship,
	1612 ActivityRelationship,
	1613 Address,
	1614 AddressAssignment,
	1615 AlternativeSolution,
	1616 Approval,
	1617 ApprovalAssignment,
	1618 BreakdownElementRealization,
	1619 BreakdownElementRelationship,
	1620 BreakdownElementVersionRelationship,
974 BreakdownElementView,	1621 BreakdownElementView,
	1622 BreakdownElementViewRelationship,
	1623 BreakdownRelationship,
975 BreakdownVersion,	1624 BreakdownVersion,
	1625 BreakdownVersionAssignment,
	1626 BreakdownVersionRelationship,
	1627 CertificationAssignment,
	1628 Condition,
	1629 ConditionAssignment,
	1630 ConditionRelationship,
	1631 Contract,
	1632 ContractAssignment,
	1633 ContractRelationship,
	1634 DateAndPersonAssignment,
	1635 DateTimeAssignment,
	1636 DocumentAssignment,
976 DocumentDefinition,	1637 DocumentDefinition,
977 DocumentDefinitionRelationship,	1638 DocumentDefinitionRelationship,
	1639 DocumentRelationship,
	1640 DocumentVersionRelationship,
	1641 EffectivityAssignment,
	1642 EventAssignment,
978 File,	1643 File,
	1644 FileRelationship,
	1645 FrozenAssignment,
	1646 InZone,
	1647 IndividualPartRelationship,
	1648 IndividualPartVersionRelationship,
979 IndividualPartView,	1649 IndividualPartView,
	1650 IndividualPartViewRelationship,
	1651 InformationUsageRightAssignment,
	1652 MaterialPropertyAssignment,
	1653 ModelPropertyAssignment,
	1654 Occurrence,
	1655 OccurrenceRelationship,
	1656 OrganizationOrPersonInOrganizationAssignment,
	1657 OrganizationRelationship,
980 Part,	1658 Part,
981 PartOccurrence,	1659 PartRelationship,
982 PartOccurrenceRelationship,	
983 PartShape,	
984 PartVersion,	1660 PartVersion,
	1661 PartVersionRelationship,
985 PartView,	1662 PartView,
986 PartViewOccurrenceRelationship,	
987 PartViewRelationship,	1663 PartViewRelationship,
	1664 Person,
	1665 PersonInOrganization,
988 ProcessOperationDefinition,	1666 ProcessOperationDefinition,
989 ProcessOperationOccurrence,	1667 ProcessOperationOccurrence,
990 ProcessOperationResourceAssignment,	1668 ProcessOperationResourceAssignment,
991 ProcessPlan,	1669 ProcessPlan,
992 ProductClass,	1670 ProductConcept,
993 ProductConfiguration,	1671 ProductConfiguration,
994 RealizationOrOccurrenceRelationship,	1672 ProductConfigurationRelationship,
	1673 Project,
	1674 ProjectAssignment,
	1675 ProjectRelationship,
	1676 PropertyDefinitionAssignment,
	1677 PropertyDefinitionRelationship,
	1678 PropertyValueAssignment,
	1679 PropertyValueRelationship,
	1680 RequirementAssignment,
	1681 RequirementRelationship,
	1682 RequirementSource,
	1683 RequirementVersionRelationship,
	1684 RequirementView,
	1685 RequirementViewRelationship,
	1686 SecurityClassificationAssignment,
995 ShapeElement,	1687 ShapeElement,
996 ShapeElementRelationship,	1688 ShapeElementRelationship,
997 Specification	1689 Specification,
	1690 SpecificationAssignment,
	1691 SpecificationCategoryAssignment,

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	1692 SpecificationConditionAssignment,
	1693 SpecificationInclusionAssignment,
	1694 TimeIntervalAssignment,
	1695 ViewOccurrenceRelationship,
	1696 WorkOrder,
	1697 WorkOrderAssignment,
	1698 WorkRequest,
	1699 WorkRequestAssignment,
	1700 WorkRequestRelationship
998);	1701);
999 END_TYPE;	1702 END_TYPE;
1000	1703
1001 TYPE PropertyDefinitionSelect = SELECT(	1704 TYPE PropertyDefinitionSelect = SELECT(
1002 ExternalPropertyDefinition,	1705 ExternalPropertyDefinition,
1003 PropertyDefinition,	1706 PropertyDefinition,
1004 PropertyDefinitionString	1707 PropertyDefinitionString
1005);	1708);
1006 END_TYPE;	1709 END_TYPE;
1007	1710
1008 TYPE PropertyDefinitionString = STRING;	1711 TYPE PropertyDefinitionString = STRING;
1009 END_TYPE;	1712 END_TYPE;
1010	1713
1011 TYPE PropertyValueSelect = SELECT(	1714 TYPE PropertyValueSelect = SELECT(
1012 CartesianPoint,	1715 CartesianPoint,
1013 NumericalValue	1716 NumericalValue
1014);	1717);
1015 END_TYPE;	1718 END_TYPE;
1016	1719
1017 TYPE ProxyItemSelect = SELECT(	1720 TYPE ProxyItemSelect = SELECT(
1018 ExternalItem,	1721 ExternalItem,
1019 ExternalOwlObject,	1722 ExternalOwlObject,
1020 ProxyString	1723 ProxyString
1021);	1724);
1022 END_TYPE;	1725 END_TYPE;
1023	1726
1024 TYPE ProxySelect = SELECT(	1727 TYPE ProxySelect = SELECT(
1025 Proxy,	1728 Proxy,
1026 ProxyItemSelect	1729 ProxyItemSelect
1027);	1730);
1028 END_TYPE;	1731 END_TYPE;
1029	1732
1030 TYPE ProxyString = STRING;	1733 TYPE ProxyString = STRING;
1031 END_TYPE;	1734 END_TYPE;
1032	1735
1033 TYPE RequirementAssignmentSelect = SELECT(	1736 TYPE RequirementAssignmentSelect = SELECT(
	1737 ActivityMethod,
	1738 ActivityMethodAssignment,
1034 AlternatePartRelationship,	1739 AlternatePartRelationship,
1035 AlternativeSolution,	1740 AlternativeSolution,
	1741 AssemblyOccurrenceRelationship,
	1742 AssemblyOccurrenceRelationshipSubstitution,
	1743 AssemblyViewRelationship,
	1744 AssemblyViewRelationshipSubstitution,
1036 Breakdown,	1745 Breakdown,
1037 BreakdownElement,	1746 BreakdownElement,
	1747 BreakdownElementRealization,
	1748 BreakdownElementRelationship,
1038 BreakdownElementVersion,	1749 BreakdownElementVersion,
1039 BreakdownElementView,	1750 BreakdownElementView,
1040 BreakdownVersion,	1751 BreakdownVersion,
1041 Document,	1752 Document,
1042 DocumentDefinition,	1753 DocumentDefinition,
1043 DocumentVersion,	1754 DocumentVersion,
1044 IndividualPart,	1755 IndividualPart,
1045 IndividualPartVersion,	1756 IndividualPartVersion,
1046 IndividualPartView,	1757 IndividualPartView,
1047 Part,	1758 Part,
1048 PartVersion,	1759 PartVersion,
1049 PartView,	1760 PartView,
	1761 ProductConfiguration,
	1762 Project,
1050 Requirement,	1763 Requirement,
1051 RequirementVersion,	1764 RequirementVersion,
1052 RequirementView	1765 RequirementView,
	1766 WorkRequest
1053);	1767);
1054 END_TYPE;	1768 END_TYPE;
1055	1769
1056 TYPE RequirementSourceSelect = SELECT(	1770 TYPE RequirementSourceSelect = SELECT(
	1771 Activity,
	1772 ActivityMethod,
	1773 ActivityMethodAssignment,
1057 AlternativeSolution,	1774 AlternativeSolution,
1058 Breakdown,	1775 Breakdown,
1059 BreakdownElement,	1776 BreakdownElement,
1060 BreakdownElementVersion,	1777 BreakdownElementVersion,
1061 BreakdownElementView,	1778 BreakdownElementView,
1062 BreakdownVersion,	1779 BreakdownVersion,
	1780 Contract,
1063 Document,	1781 Document,
1064 DocumentDefinition,	1782 DocumentDefinition,
1065 DocumentVersion,	1783 DocumentVersion,

709 differences (2267 lines) found		
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1066 IndividualPart,	1784 IndividualPart,
1067 IndividualPartVersion,	1785 IndividualPartVersion,
1068 IndividualPartView,	1786 IndividualPartView,
	1787 Organization,
1069 Part,	1788 Part,
1070 PartVersion,	1789 PartVersion,
1071 PartView,	1790 PartView,
	1791 PersonInOrganization,
	1792 Project,
1072 Requirement,	1793 Requirement,
1073 RequirementVersion,	1794 RequirementVersion,
1074 RequirementView	1795 RequirementView
1075);	1796);
1076 END_TYPE;	1797 END_TYPE;
1077	1798
1078 TYPE RequirementVersionOrViewSelect = SELECT(	
1079 RequirementVersion,	
1080 RequirementView	
1081);	
1082 END_TYPE;	
1083	
1084 TYPE RotationAboutAxes = LIST[1:3] OF PlaneAngleMeas	1799 TYPE RotationAboutAxes = LIST[1:3] OF PlaneAngleMeas
1085 END_TYPE;	1800 END_TYPE;
1086	1801
1087 TYPE SecurityClassificationSelect = SELECT(	1802 TYPE SecurityClassificationAssignmentSelect = SELECT
1088 Activity,	1803 Activity,
1089 ActivityAssignment,	1804 ActivityAssignment,
	1805 ActivityMethod,
	1806 ActivityMethodAssignment,
	1807 ActivityMethodRelationship,
1090 AlternativeSolution,	1808 AlternativeSolution,
1091 AssemblyOccurrenceRelationship,	1809 AssemblyOccurrenceRelationship,
1092 AssemblyOccurrenceRelationshipSubstitution,	1810 AssemblyOccurrenceRelationshipSubstitution,
	1811 AssemblyViewRelationship,
1093 AssemblyViewRelationshipSubstitution,	1812 AssemblyViewRelationshipSubstitution,
1094 Breakdown,	1813 Breakdown,
1095 BreakdownElement,	1814 BreakdownElement,
	1815 BreakdownElementRealization,
	1816 BreakdownElementRelationship,
	1817 BreakdownElementVersion,
	1818 BreakdownElementView,
1096 BreakdownVersion,	1819 BreakdownVersion,
1097 Configuration,	1820 Classification,
	1821 ConditionalConfiguration,
	1822 ConfiguredAssemblyEffectivity,
	1823 Descriptor,
	1824 DescriptorRelationship,
	1825 DigitalFile,
1098 Document,	1826 Document,
	1827 DocumentAssignment,
1099 DocumentDefinition,	1828 DocumentDefinition,
1100 DocumentVersion,	1829 DocumentVersion,
1101 ExternalClassSystem,	1830 ExternalClassSystem,
	1831 ExternalPropertyDefinition,
1102 File,	1832 File,
1103 GeometricModel,	1833 GeometricModel,
	1834 Hardcopy,
	1835 Identifier,
	1836 IdentifierRelationship,
1104 IndividualAssemblyRelationship,	1837 IndividualAssemblyRelationship,
	1838 IndividualPart,
1105 IndividualPartTestResult,	1839 IndividualPartTestResult,
	1840 IndividualPartVersion,
1106 IndividualPartView,	1841 IndividualPartView,
1107 ManufacturingConfiguration,	
1108 MaterialIdentification,	1842 MaterialIdentification,
1109 Part,	1843 Part,
	1844 PartToIndividualPartAssociation,
1110 PartVersion,	1845 PartVersion,
	1846 PartVersionToIndividualPartVersionAssociation,
1111 PartView,	1847 PartView,
1112 PartViewRelationship,	1848 PartViewRelationship,
	1849 PartViewToIndividualPartViewAssociation,
1113 ProcessPlan,	1850 ProcessPlan,
1114 ProductClass,	1851 ProductClass,
	1852 ProductConfiguration,
1115 Project,	1853 Project,
	1854 PropertyDefinition,
1116 PropertyDefinitionAssignment,	1855 PropertyDefinitionAssignment,
1117 PropertyDefinitionSelect,	1856 PropertyDefinitionString,
1118 PropertyValueAssignment,	1857 PropertyValueAssignment,
1119 RealizationOrOccurrenceRelationship,	1858 Proxy,
	1859 Requirement,
	1860 RequirementAssignment,
	1861 RequirementCollectionRelationship,
	1862 RequirementSource,
	1863 RequirementVersion,
	1864 RequirementVersionRelationship,
1120 RequirementView,	1865 RequirementView,
	1866 RequirementViewRelationship,
1121 Specification,	1867 Specification,
1122 SpecificationCategory,	1868 SpecificationCategory,

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1123 StyledModel,	1869 StyledModel,
1124 WorkOrder,	1870 WorkOrder,
1125 WorkRequest	1871 WorkRequest
1126);	1872);
1127 END_TYPE;	1873 END_TYPE;
1128	1874
1129 TYPE ShapedElementSelect = SELECT(	1875 TYPE ShapedElementSelect = SELECT(
1130 PartShape,	1876 PartInformationSelect,
1131 ShapeElement	1877 ShapeElement
1132);	1878);
1133 END_TYPE;	1879 END_TYPE;
1134	1880
1135 TYPE ShapeInformationSelect = SELECT(	1881 TYPE SimpleOrSpatialRotationSelect = SELECT(
1136 ShapeElementRelationship,	
1137 ShapedElementSelect	
1138);	
1139 END_TYPE;	
1140	
1141 TYPE SimpleOrSpatialRotation = SELECT (	
1142 RotationAboutAxes,	1882 RotationAboutAxes,
1143 RotationAboutDirection	1883 RotationAboutDirection
1144);	1884);
1145 END_TYPE;	1885 END_TYPE;
1146	1886
1147 TYPE SingleIdentifierSelect = SELECT(	1887 TYPE SingleIdentifierSelect = SELECT(
1148 Identifier,	1888 Identifier,
1149 IdentifierString	1889 IdentifierString
1150);	1890);
1151 END_TYPE;	1891 END_TYPE;
1152	1892
1153 TYPE SpecificationExpressionOperationEnum = ENUMERAT	
1154 and_operation,	
1155 or_operation,	
1156 oneof_operation,	
1157 not_operation	
1158);	
1159 END_TYPE;	
1160	
1161 TYPE SpecificationOperandSelect = SELECT(	
1162 Specification,	
1163 SpecificationExpression	
1164);	
1165 END_TYPE;	
1166	
1167 TYPE StockCategoryEnum = ENUMERATION OF(	1893 TYPE StockCategoryEnum = ENUMERATION OF(
1168 anisotropic_material,	1894 anisotropic_material,
1169 braided_assembly,	1895 braided_assembly,
1170 discontinuous_fiber_assembly,	1896 discontinuous_fiber_assembly,
1171 filament_assembly,	1897 filament_assembly,
1172 isotropic_material,	1898 isotropic_material,
1173 stock_core,	1899 stock_core,
1174 woven_assembly	1900 woven_assembly
1175);	1901);
1176 END_TYPE;	1902 END_TYPE;
1177	1903
1178 TYPE SuppliedObjectSelect = SELECT(	1904 TYPE SuppliedObjectSelect = SELECT(
1179 Activity,	1905 Activity,
1180 ActivityMethod,	1906 ActivityMethod,
1181 AlternativeSolution,	1907 AlternativeSolution,
1182 Breakdown,	1908 Breakdown,
1183 BreakdownElement,	1909 BreakdownElement,
1184 BreakdownElementVersion,	1910 BreakdownElementVersion,
1185 BreakdownElementView,	1911 BreakdownElementView,
1186 BreakdownVersion,	1912 BreakdownVersion,
	1913 Class,
1187 ClassAttribute,	1914 ClassAttribute,
1188 ClassSelect,	1915 ClassString,
1189 Configuration,	1916 Condition,
	1917 ConditionalConfiguration,
	1918 ConfiguredAssemblyEffectivity,
1190 Contract,	1919 Contract,
1191 Document,	1920 Document,
1192 DocumentDefinition,	1921 DocumentDefinition,
1193 DocumentVersion,	1922 DocumentVersion,
1194 Effectivity,	1923 Effectivity,
1195 Event,	1924 Event,
	1925 ExternalClass,
1196 ExternalClassSystem,	1926 ExternalClassSystem,
	1927 ExternalOwlClass,
1197 File,	1928 File,
1198 FormatProperty,	1929 FormatProperty,
1199 GeometricModel,	1930 GeometricModel,
1200 IndividualPartTestResult,	1931 IndividualPartTestResult,
1201 IndividualPartView,	1932 IndividualPartView,
1202 InformationRight,	1933 InformationRight,
1203 InformationUsageRight,	1934 InformationUsageRight,
1204 ManufacturingConfiguration,	
1205 MaterialIdentification,	1935 MaterialIdentification,
	1936 Occurrence,
1206 Organization,	1937 Organization,
1207 Part,	1938 Part,
1208 PartOccurrence,	

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1209 PartVersion,	1939 PartVersion,
1210 PartView,	1940 PartView,
1211 PersonInOrganization,	1941 PersonInOrganization,
1212 ProcessOperationDefinition,	1942 ProcessOperationDefinition,
1213 ProcessPlan,	1943 ProcessPlan,
1214 ProductClass,	1944 ProductClass,
1215 ProductConfiguration,	1945 ProductConfiguration,
1216 Project,	1946 Project,
1217 Requirement,	1947 Requirement,
1218 RequirementSatisfactionAssertion,	1948 RequirementSatisfactionAssertion,
1219 RequirementVersion,	1949 RequirementVersion,
1220 RequirementView,	1950 RequirementView,
1221 SecurityClassification,	1951 SecurityClassification,
1222 Specification,	1952 Specification,
1223 SpecificationCategory,	1953 SpecificationCategory,
1224 SpecificationExpression,	
1225 SpecificationInclusion,	1954 SpecificationInclusion,
1226 TemplateInstance,	
1227 WorkOrder,	1955 WorkOrder,
1228 WorkRequest	1956 WorkRequest
1229);	1957);
1230 END_TYPE;	1958 END_TYPE;
1231	1959
1232 TYPE ThicknessLaminateTableComponentSelect = SELECT(	1960 TYPE ThicknessLaminateTableComponentSelect = SELECT(
1233 FilamentLaminate,	1961 FilamentLaminate,
1234 Ply,	1962 Ply,
1235 ProcessedCore	1963 ProcessedCore
1236);	1964);
1237 END_TYPE;	1965 END_TYPE;
1238	1966
1239 TYPE TransformationSelect = SELECT(	1967 TYPE TransformationSelect = SELECT(
1240 GeometricModelRelationship,	1968 CartesianTransformation,
1241 TemplateInstance	1969 GeometricRepresentationRelationshipWithPlacementTr
1242);	1970);
1243 END_TYPE;	1971 END_TYPE;
1244	1972
1245 TYPE TransitionCodeEnum = ENUMERATION OF(	1973 TYPE TransitionCodeEnum = ENUMERATION OF(
1246 cont_same_gradient,	1974 cont_same_gradient,
1247 cont_same_gradient_same_curvature,	1975 cont_same_gradient_same_curvature,
1248 continuous,	1976 continuous,
1249 discontinuous	1977 discontinuous
1250);	1978);
1251 END_TYPE;	1979 END_TYPE;
1252	1980
1253 TYPE TranslatedStringSet = SET[1:?] OF LocalizedStri	1981 TYPE TranslatedStringSet = SET[1:?] OF LocalizedStri
1254 END_TYPE;	1982 END_TYPE;
1255	1983
1256 TYPE TranslationAlongAxes = LIST[1:3] OF LengthMeasu	1984 TYPE TranslationAlongAxes = LIST[1:3] OF LengthMeasu
1257 END_TYPE;	1985 END_TYPE;
1258	1986
1259 TYPE TypeQualifierSelect = SELECT(	1987 TYPE TypeQualifierSelect = SELECT(
1260 ExternalTypeQualifier,	1988 ExternalTypeQualifier,
1261 PreDefinedTypeQualifier	1989 PreDefinedTypeQualifier
1262);	1990);
1263 END_TYPE;	1991 END_TYPE;
1264	1992
1265 TYPE UnitSelect = SELECT(	1993 TYPE UnitSelect = SELECT(
1266 ExternalUnit,	1994 ExternalUnit,
1267 Unit	1995 Unit
1268);	1996);
1269 END_TYPE;	1997 END_TYPE;
1270	1998
1271 TYPE Uri = IdentifierString;	1999 TYPE Uri = IdentifierString;
1272 END_TYPE;	2000 END_TYPE;
1273	2001
1274 TYPE ValidityContextSelect = SELECT(	2002 TYPE ValidityContextSelect = SELECT(
1275 Organization,	2003 Organization,
1276 ProductClass,	2004 ProductClass,
1277 ProductConfiguration	2005 ProductConfiguration
1278);	2006);
1279 END_TYPE;	2007 END_TYPE;
1280	2008
1281 TYPE ValueQualifierSelect = SELECT(	2009 TYPE ValueQualifierSelect = SELECT(
1282 PrecisionQualifier,	2010 PrecisionQualifier,
1283 TypeQualifierSelect,	2011 TypeQualifierSelect,
1284 UncertaintyQualifier	2012 UncertaintyQualifier
1285);	2013);
1286 END_TYPE;	2014 END_TYPE;
1287	2015
1288 ENTITY Activity;	2016 TYPE WorkOrderAssignmentSelect = SELECT(
1289 id : OPTIONAL IdentifierSelect;	2017 Activity,
	2018 ActivityMethod
	2019);
	2020 END_TYPE;
	2021
	2022 TYPE WorkRequestAssignmentSelect = SELECT(
	2023 Activity,
	2024 ActivityMethod,
	2025 Breakdown,
	2026 BreakdownElement,
	2027 BreakdownElementVersion,
	2028 BreakdownElementView,

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	2029 BreakdownElementViewRelationship,
	2030 BreakdownVersion,
	2031 Contract,
	2032 Document,
	2033 DocumentDefinition,
	2034 DocumentDefinitionRelationship,
	2035 DocumentVersion,
	2036 File,
	2037 IndividualPart,
	2038 IndividualPartVersion,
	2039 IndividualPartView,
	2040 IndividualPartViewRelationship,
	2041 Organization,
	2042 Part,
	2043 PartVersion,
	2044 PartView,
	2045 PartViewRelationship,
	2046 Person,
	2047 PersonInOrganization,
	2048 ProductConfiguration,
	2049 Project,
	2050 Requirement,
	2051 RequirementVersion,
	2052 RequirementView,
	2053 RequirementViewRelationship
	2054);
	2055 END_TYPE;
	2056
	2057 ENTITY Activity
	2058 ABSTRACT
	2059 SUPERTYPE OF(ONEOF(ActualActivity, PlannedActivity
	2060 id : IdentifierSelect;
1290 description : OPTIONAL DescriptorSelect;	2061 description : OPTIONAL DescriptorSelect;
1291 classifiedAs : OPTIONAL SET[1:?] OF Classification	2062 classifiedAs : OPTIONAL SET[1:?] OF Classification
1292 activityType : ClassSelect;	2063 activityType : ClassSelect;
1293 actualEndDate : OPTIONAL DateTimeString;	
1294 actualStartDate : OPTIONAL DateTimeString;	
1295 chosenMethod : OPTIONAL ActivityMethod;	2064 chosenMethod : OPTIONAL ActivityMethod;
1296 concernedOrganizations : OPTIONAL SET[1:?] OF Orga	2065 concernedOrganizations : OPTIONAL SET[1:?] OF Orga
1297 plannedEndDate : OPTIONAL PeriodOrDateSelect;	2066 possibleMethods : OPTIONAL SET[1:?] OF ActivityMet
1298 plannedStartDate : OPTIONAL EventOrDateSelect;	
1299 requestor : OPTIONAL DateAndPersonOrganization;	2067 requestor : OPTIONAL DateAndPersonOrganization;
1300 resolvedRequests : OPTIONAL SET[1:?] OF WorkReques	2068 sameAs : OPTIONAL SET[1:?] OF ProxySelect;
1301 status : OPTIONAL ClassSelect;	2069 status : OPTIONAL ClassSelect;
1302 supplyingOrganizations : OPTIONAL SET[1:?] OF Orga	2070 supplyingOrganizations : OPTIONAL SET[1:?] OF Orga
1303 INVERSE	
1304 authorization : SET[0:1] OF WorkOrder FOR isContro	
1305 END_ENTITY;	2071 END_ENTITY;
1306	2072
1307 ENTITY ActivityAssignment;	2073 ENTITY ActivityAssignment;
1308 id : OPTIONAL IdentifierSelect;	2074 id : OPTIONAL IdentifierSelect;
1309 description : OPTIONAL DescriptorSelect;	2075 description : OPTIONAL DescriptorSelect;
1310 classifiedAs : OPTIONAL SET[1:?] OF Classification	2076 classifiedAs : OPTIONAL SET[1:?] OF Classification
1311 role : ClassSelect;	2077 role : ClassSelect;
1312 assignedActivity : Activity;	2078 assignedActivity : Activity;
1313 assignedTo : SET[1:?] OF ActivityAssignmentSelect;	2079 assignedTo : SET[1:?] OF ActivityAssignmentSelect;
1314 END_ENTITY;	2080 END_ENTITY;
1315	2081
	2082 ENTITY ActivityHappeningRelationship
	2083 SUBTYPE OF(ActivityRelationship);
	2084 SELF\ActivityRelationship.relating : PlannedActivi
	2085 SELF\ActivityRelationship.related : ActualActivity
	2086 DERIVE
	2087 SELF\ActivityRelationship.relationType : ClassSele
	2088 END_ENTITY;
	2089
1316 ENTITY ActivityMethod;	2090 ENTITY ActivityMethod;
1317 id : OPTIONAL IdentifierSelect;	2091 id : OPTIONAL IdentifierSelect;
1318 name : OPTIONAL DescriptorSelect;	2092 name : OPTIONAL DescriptorSelect;
1319 description : OPTIONAL DescriptorSelect;	2093 description : OPTIONAL DescriptorSelect;
1320 classifiedAs : OPTIONAL SET[1:?] OF Classification	2094 classifiedAs : OPTIONAL SET[1:?] OF Classification
1321 consequence : OPTIONAL MultiLingualStringSelect;	2095 consequence : OPTIONAL MultiLingualStringSelect;
1322 purpose : MultiLingualStringSelect;	2096 purpose : MultiLingualStringSelect;
	2097 sameAs : OPTIONAL SET[1:?] OF ProxySelect;
1323 END_ENTITY;	2098 END_ENTITY;
1324	2099
1325 ENTITY ActivityMethodAssignment;	2100 ENTITY ActivityMethodAssignment;
1326 id : OPTIONAL IdentifierSelect;	2101 id : OPTIONAL IdentifierSelect;
1327 description : OPTIONAL DescriptorSelect;	2102 description : OPTIONAL DescriptorSelect;
1328 classifiedAs : OPTIONAL SET[1:?] OF Classification	2103 classifiedAs : OPTIONAL SET[1:?] OF Classification
1329 role : ClassSelect;	2104 role : ClassSelect;
1330 assignedActivityMethod : ActivityMethod;	2105 assignedActivityMethod : ActivityMethod;
1331 assignedTo : SET[1:?] OF ActivityMethodAssignmentS	2106 assignedTo : SET[1:?] OF ActivityMethodAssignmentS
1332 END_ENTITY;	2107 END_ENTITY;
1333	2108
1334 ENTITY ActivityMethodRelationship;	2109 ENTITY ActivityMethodRelationship;
	2110 id : OPTIONAL IdentifierSelect;
1335 description : OPTIONAL DescriptorSelect;	2111 description : OPTIONAL DescriptorSelect;
1336 classifiedAs : OPTIONAL SET[1:?] OF Classification	2112 classifiedAs : OPTIONAL SET[1:?] OF Classification
1337 relationType : ClassSelect;	2113 relationType : ClassSelect;
1338 relating : ActivityMethod;	2114 relating : ActivityMethod;
1339 related : ActivityMethod;	2115 related : ActivityMethod;

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1340 WHERE	2116 WHERE
1341 WR1: relating :<>: related;	2117 WR1: relating :<>: related;
1342 END_ENTITY;	2118 END_ENTITY;
1343	2119
1344 ENTITY ActivityMethodWorkRequestAssociation;	
1345 description : OPTIONAL DescriptorSelect;	
1346 classifiedAs : OPTIONAL SET[1:?] OF Classification	
1347 associationType : ClassSelect;	
1348 associatedActivityMethod : ActivityMethod;	
1349 associatedWorkRequest : WorkRequest;	
1350 END_ENTITY;	
1351	
1352 ENTITY ActivityRelationship;	2120 ENTITY ActivityRelationship;
	2121 id : OPTIONAL IdentifierSelect;
1353 description : OPTIONAL DescriptorSelect;	2122 description : OPTIONAL DescriptorSelect;
1354 classifiedAs : OPTIONAL SET[1:?] OF Classification	2123 classifiedAs : OPTIONAL SET[1:?] OF Classification
1355 relationType : ClassSelect;	2124 relationType : ClassSelect;
1356 relating : Activity;	2125 relating : Activity;
1357 related : Activity;	2126 related : Activity;
1358 WHERE	2127 WHERE
1359 WR1: relating :<>: related;	2128 WR1: relating :<>: related;
1360 END_ENTITY;	2129 END_ENTITY;
1361	2130
	2131 ENTITY ActualActivity
	2132 SUPERTYPE OF(ONEOF(DirectedActualActivity))
	2133 SUBTYPE OF(Activity);
	2134 actualEndDate : OPTIONAL DateTimeString;
	2135 actualStartDate : OPTIONAL DateTimeString;
	2136 END_ENTITY;
	2137
1362 ENTITY ActuatedPair;	2138 ENTITY ActuatedPair;
1363 tx : OPTIONAL ActuatedDirection;	2139 rx : OPTIONAL ActuatedDirectionEnum;
1364 ty : OPTIONAL ActuatedDirection;	2140 ry : OPTIONAL ActuatedDirectionEnum;
1365 tz : OPTIONAL ActuatedDirection;	2141 rz : OPTIONAL ActuatedDirectionEnum;
1366 rx : OPTIONAL ActuatedDirection;	2142 tx : OPTIONAL ActuatedDirectionEnum;
1367 ry : OPTIONAL ActuatedDirection;	2143 ty : OPTIONAL ActuatedDirectionEnum;
1368 rz : OPTIONAL ActuatedDirection;	2144 tz : OPTIONAL ActuatedDirectionEnum;
1369 END_ENTITY;	2145 END_ENTITY;
1370	2146
1371 ENTITY AddElement	2147 ENTITY AddElement
1372 SUBTYPE OF(DeltaChangeActivity);	2148 SUBTYPE OF(DeltaChangeActivity);
1373 currentDesignObject : SET[1:?] OF DeltaChangeManag	2149 currentDesignObject : SET[1:?] OF DeltaChangeManag
1374 END_ENTITY;	2150 END_ENTITY;
1375	2151
1376 ENTITY Address;	2152 ENTITY Address;
1377 id : OPTIONAL IdentifierSelect;	2153 id : OPTIONAL IdentifierSelect;
1378 name : OPTIONAL CharacterString;	2154 name : OPTIONAL CharacterString;
1379 classifiedAs : OPTIONAL SET[1:?] OF Classification	2155 classifiedAs : OPTIONAL SET[1:?] OF Classification
1380 country : OPTIONAL CharacterString;	2156 country : OPTIONAL CharacterString;
1381 electronicMailAddress : OPTIONAL CharacterString;	2157 electronicMailAddress : OPTIONAL CharacterString;
1382 facsimileNumber : OPTIONAL CharacterString;	2158 facsimileNumber : OPTIONAL CharacterString;
1383 internalLocation : OPTIONAL CharacterString;	2159 internalLocation : OPTIONAL CharacterString;
1384 postalBox : OPTIONAL CharacterString;	2160 postalBox : OPTIONAL CharacterString;
1385 postalCode : OPTIONAL CharacterString;	2161 postalCode : OPTIONAL CharacterString;
1386 region : OPTIONAL CharacterString;	2162 region : OPTIONAL CharacterString;
1387 sameAs : OPTIONAL SET[1:?] OF ProxySelect;	2163 sameAs : OPTIONAL SET[1:?] OF ProxySelect;
1388 street : OPTIONAL CharacterString;	2164 street : OPTIONAL CharacterString;
1389 streetNumber : OPTIONAL CharacterString;	2165 streetNumber : OPTIONAL CharacterString;
1390 telephoneNumber : OPTIONAL CharacterString;	2166 telephoneNumber : OPTIONAL CharacterString;
1391 telexNumber : OPTIONAL CharacterString;	2167 telexNumber : OPTIONAL CharacterString;
1392 town : OPTIONAL CharacterString;	2168 town : OPTIONAL CharacterString;
1393 url : OPTIONAL CharacterString;	2169 url : OPTIONAL CharacterString;
1394 END_ENTITY;	2170 END_ENTITY;
1395	2171
	2172 ENTITY AddressAssignment;
	2173 id : OPTIONAL IdentifierSelect;
	2174 description : OPTIONAL DescriptorSelect;
	2175 classifiedAs : OPTIONAL SET[1:?] OF Classification
	2176 role : ClassSelect;
	2177 assignedAddress : Address;
	2178 assignedTo : OrganizationOrPersonInOrganizationSel
	2179 END_ENTITY;
	2180
1396 ENTITY AlternatePartRelationship	2181 ENTITY AlternatePartRelationship
1397 SUBTYPE OF(PartRelationship);	2182 SUBTYPE OF(PartRelationship);
1398 criteria : OPTIONAL MultiLingualStringSelect;	2183 criteria : OPTIONAL MultiLingualStringSelect;
1399 DERIVE	2184 DERIVE
1400 SELF\PartRelationship.relationType : ClassString :	2185 SELF\PartRelationship.relationType : ClassString :
1401 UNIQUE	2186 UNIQUE
1402 UR1: relating, related;	2187 UR1: relating, related;
1403 END_ENTITY;	2188 END_ENTITY;
1404	2189
1405 ENTITY AlternativeSolution	2190 ENTITY AlternativeSolution
1406 SUPERTYPE OF(ONEOF(FinalSolution, SupplierSolution	2191 SUPERTYPE OF(ONEOF(FinalSolution, SupplierSolution
1407 id : IdentifierSelect;	2192 id : IdentifierSelect;
1408 name : OPTIONAL DescriptorSelect;	2193 name : OPTIONAL DescriptorSelect;
1409 description : OPTIONAL DescriptorSelect;	2194 description : OPTIONAL DescriptorSelect;
1410 versionId : OPTIONAL IdentifierSelect;	2195 versionId : OPTIONAL IdentifierSelect;
1411 classifiedAs : OPTIONAL SET[1:?] OF Classification	2196 classifiedAs : OPTIONAL SET[1:?] OF Classification
1412 baseElement : BreakdownElementOrAlternativeSolutio	2197 baseElement : BreakdownElementOrAlternativeSolutio
1413 sameAs : OPTIONAL SET[1:?] OF ProxySelect;	2198 sameAs : OPTIONAL SET[1:?] OF ProxySelect;
1414 END_ENTITY;	2199 END_ENTITY;

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1415	2200
1416 ENTITY AlternativeSolutionRelationship;	2201 ENTITY AlternativeSolutionRelationship;
	2202 id : OPTIONAL IdentifierSelect;
1417 description : OPTIONAL DescriptorSelect;	2203 description : OPTIONAL DescriptorSelect;
1418 classifiedAs : OPTIONAL SET[1:?] OF Classification	2204 classifiedAs : OPTIONAL SET[1:?] OF Classification
1419 relationType : ClassSelect;	2205 relationType : ClassSelect;
1420 relating : AlternativeSolution;	2206 relating : AlternativeSolution;
1421 related : AlternativeSolution;	2207 related : AlternativeSolution;
1422 WHERE	2208 WHERE
1423 WR1: relating :<>: related;	2209 WR1: relating :<>: related;
1424 END_ENTITY;	2210 END_ENTITY;
1425	2211
	2212 ENTITY AndCondition
	2213 SUBTYPE OF(Condition);
	2214 DERIVE
	2215 SELF\Condition.conditionType : ClassSelect := 'and
	2216 END_ENTITY;
	2217
1426 ENTITY ApplicationDomain;	2218 ENTITY ApplicationDomain;
1427 sameAs : SET[1:?] OF ProxySelect;	2219 sameAs : SET[1:?] OF ProxySelect;
1428 UNIQUE	2220 UNIQUE
1429 UR1: sameAs;	2221 UR1: sameAs;
1430 END_ENTITY;	2222 END_ENTITY;
1431	2223
1432 ENTITY Approval;	2224 ENTITY Approval;
1433 id : OPTIONAL IdentifierSelect;	2225 id : OPTIONAL IdentifierSelect;
	2226 description : OPTIONAL DescriptorSelect;
1434 classifiedAs : OPTIONAL SET[1:?] OF Classification	2227 classifiedAs : OPTIONAL SET[1:?] OF Classification
1435 actualDate : OPTIONAL DateTimeString;	2228 approvalScope : OPTIONAL SET[1:?] OF ApprovalScope
1436 approvedBy : OPTIONAL SET[1:?] OF DateAndPersonOrg	2229 approvedBy : OPTIONAL SET[1:?] OF ApprovingPersonO
1437 plannedDate : OPTIONAL DateTimeString;	2230 sameAs : OPTIONAL SET[1:?] OF ProxySelect;
1438 purpose : MultiLingualStringSelect;	
1439 scopes : OPTIONAL SET[1:?] OF Organization;	
1440 status : ClassSelect;	2231 status : ClassSelect;
	2232 validDate : OPTIONAL DateTimeString;
1441 END_ENTITY;	2233 END_ENTITY;
1442	2234
1443 ENTITY ApprovalAssignment;	2235 ENTITY ApprovalAssignment;
1444 id : OPTIONAL IdentifierSelect;	2236 id : OPTIONAL IdentifierSelect;
1445 description : OPTIONAL SET[1:?] OF DescriptorSelec	2237 description : OPTIONAL SET[1:?] OF DescriptorSelec
1446 classifiedAs : OPTIONAL SET[1:?] OF Classification	2238 classifiedAs : OPTIONAL SET[1:?] OF Classification
1447 assignedApproval : Approval;	2239 assignedApproval : Approval;
1448 assignedTo : SET[1:?] OF ApprovalAssignmentSelect;	2240 assignedTo : SET[1:?] OF ApprovalAssignmentSelect;
1449 END_ENTITY;	2241 END_ENTITY;
1450	2242
1451 ENTITY ApprovalRelationship;	2243 ENTITY ApprovalRelationship;
	2244 id : OPTIONAL IdentifierSelect;
1452 description : OPTIONAL SET[1:?] OF DescriptorSelec	2245 description : OPTIONAL SET[1:?] OF DescriptorSelec
1453 classifiedAs : OPTIONAL SET[1:?] OF Classification	2246 classifiedAs : OPTIONAL SET[1:?] OF Classification
1454 relationType : ClassSelect;	2247 relationType : ClassSelect;
1455 relating : Approval;	2248 relating : Approval;
1456 related : Approval;	2249 related : Approval;
1457 WHERE	2250 WHERE
1458 WR1: relating :<>: related;	2251 WR1: relating :<>: related;
1459 END_ENTITY;	2252 END_ENTITY;
1460	2253
	2254 ENTITY ApprovingPersonOrganization;
	2255 classifiedAs : OPTIONAL SET[1:?] OF Classification
	2256 approver : OrganizationOrPersonInOrganizationSelec
	2257 dateApproved : OPTIONAL DateTimeString;
	2258 sameAs : OPTIONAL SET[1:?] OF ProxySelect;
	2259 INVERSE
	2260 authorizedApproval : Approval FOR approvedBy;
	2261 END_ENTITY;
	2262
1461 ENTITY AssemblyDefinition	2263 ENTITY AssemblyDefinition
1462 SUPERTYPE OF(ONEOF(MatingDefinition))	2264 SUPERTYPE OF(ONEOF(MatingDefinition))
1463 SUBTYPE OF(PartView);	2265 SUBTYPE OF(PartView);
1464 assemblyType : OPTIONAL ClassSelect;	2266 assemblyType : OPTIONAL ClassSelect;
1465 END_ENTITY;	2267 END_ENTITY;
1466	2268
1467 ENTITY AssemblyJoint;	2269 ENTITY AssemblyJoint;
1468 id : OPTIONAL IdentifierSelect;	2270 id : OPTIONAL IdentifierSelect;
1469 name : OPTIONAL DescriptorSelect;	2271 name : OPTIONAL DescriptorSelect;
1470 description : OPTIONAL DescriptorSelect;	2272 description : OPTIONAL DescriptorSelect;
1471 classifiedAs : OPTIONAL SET[1:?] OF Classification	2273 classifiedAs : OPTIONAL SET[1:?] OF Classification
1472 assemblyShape : PartShape;	2274 assemblyShape : AssemblyDefinition;
1473 shapeElement1 : ShapeElement;	2275 shapeElement1 : ShapeElement;
1474 shapeElement2 : ShapeElement;	2276 shapeElement2 : ShapeElement;
1475 END_ENTITY;	2277 END_ENTITY;
1476	2278
1477 ENTITY AssemblyOccurrenceRelationship	2279 ENTITY AssemblyOccurrenceRelationship
1478 ABSTRACT	2280 ABSTRACT
1479 SUPERTYPE OF(ONEOF(NextAssemblyOccurrenceUsage, Pr	2281 SUPERTYPE OF(ONEOF(NextAssemblyOccurrenceUsage, Pr
1480 SUBTYPE OF(PartViewOccurrenceRelationship);	2282 SUBTYPE OF(ViewOccurrenceRelationship);
1481 SELF\PartViewOccurrenceRelationship.relating : Ass	2283 SELF\ViewOccurrenceRelationship.relating : Assembl
1482 placement : OPTIONAL TransformationSelect;	2284 placement : OPTIONAL TransformationSelect;
	2285 WHERE
	2286 WR1: NOT ('GEOMETRICREPRESENTATIONRELATIONSHIPWITH
1483 END_ENTITY;	2287 END_ENTITY;
1484	2288
1485 ENTITY AssemblyOccurrenceRelationshipSubstitution;	2289 ENTITY AssemblyOccurrenceRelationshipSubstitution;

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1486 description : OPTIONAL DescriptorSelect;	2290 description : OPTIONAL DescriptorSelect;
1487 classifiedAs : OPTIONAL SET[1:?] OF Classification	2291 classifiedAs : OPTIONAL SET[1:?] OF Classification
1488 relating : AssemblyOccurrenceRelationship;	2292 relating : AssemblyOccurrenceRelationship;
1489 related : AssemblyOccurrenceRelationship;	2293 related : AssemblyOccurrenceRelationship;
1490 WHERE	2294 WHERE
1491 WR1: relating :<>: related;	2295 WR1: relating :<>: related;
1492 END_ENTITY;	2296 END_ENTITY;
1493	2297
1494 ENTITY AssemblyRealizationContextAssociation;	2298 ENTITY AssemblyRealizationContext;
1495 description : OPTIONAL DescriptorSelect;	2299 description : OPTIONAL DescriptorSelect;
1496 classifiedAs : OPTIONAL SET[1:?] OF Classification	2300 classifiedAs : OPTIONAL SET[1:?] OF Classification
1497 relating : IndividualAssemblyRelationship;	2301 relating : IndividualAssemblyRelationship;
1498 related : IndividualAssemblyRelationshipRealizatio	2302 related : AssemblyDesignSelect;
1499 END_ENTITY;	2303 END_ENTITY;
1500	2304
1501 ENTITY AssemblyViewRelationship	2305 ENTITY AssemblyViewRelationship
1502 ABSTRACT	2306 ABSTRACT
1503 SUPERTYPE OF(ONEOF(NextAssemblyViewUsage, Promisso	2307 SUPERTYPE OF(ONEOF(NextAssemblyViewUsage, Promisso
1504 SUBTYPE OF(PartViewRelationship);	2308 SUBTYPE OF(PartViewRelationship);
1505 SELF\PartViewRelationship.relating : AssemblyDefin	2309 SELF\PartViewRelationship.relating : AssemblyDefin
	2310 definingGeometry : OPTIONAL GeometricModel;
1506 locationIndicator : OPTIONAL IdentifierSelect;	2311 locationIndicator : OPTIONAL IdentifierSelect;
1507 quantity : OPTIONAL ValueWithUnit;	2312 quantity : OPTIONAL ValueWithUnit;
1508 END_ENTITY;	2313 END_ENTITY;
1509	2314
1510 ENTITY AssemblyViewRelationshipSubstitution;	2315 ENTITY AssemblyViewRelationshipSubstitution;
1511 description : OPTIONAL DescriptorSelect;	2316 description : OPTIONAL DescriptorSelect;
1512 classifiedAs : OPTIONAL SET[1:?] OF Classification	2317 classifiedAs : OPTIONAL SET[1:?] OF Classification
1513 relating : AssemblyViewRelationship;	2318 relating : AssemblyViewRelationship;
1514 related : AssemblyViewRelationship;	2319 related : AssemblyViewRelationship;
1515 WHERE	2320 WHERE
1516 WR1: relating :<>: related;	2321 WR1: relating :<>: related;
1517 END_ENTITY;	2322 END_ENTITY;
1518	2323
	2324 ENTITY AssignmentObjectRelationship;
	2325 id : OPTIONAL IdentifierSelect;
	2326 description : OPTIONAL DescriptorSelect;
	2327 classifiedAs : OPTIONAL SET[1:?] OF Classification
	2328 role : Classification;
	2329 relating : AssignmentObjectSelect;
	2330 related : AssignmentObjectSelect;
	2331 WHERE
	2332 WR1: TYPEOF(relating) = TYPEOF(related);
	2333 END_ENTITY;
	2334
	2335 ENTITY AxisPlacement
	2336 SUBTYPE OF(DetailedGeometricModelItem);
	2337 axis : OPTIONAL LIST[2:3] OF LengthMeasure;
	2338 position : LIST[2:3] OF LengthMeasure;
	2339 refDirection : LIST[2:3] OF LengthMeasure;
	2340 DERIVE
	2341 dim : INTEGER := SIZEOF(position);
	2342 WHERE
	2343 WR1: SIZEOF(refDirection) = SIZEOF(position);
	2344 WR2: NOT(EXISTS(axis)) OR (SIZEOF(axis) = SIZEOF(p
	2345 END_ENTITY;
	2346
1519 ENTITY BeveledSheetRepresentation	2347 ENTITY BeveledSheetRepresentation
1520 SUBTYPE OF(ConstituentShapeRepresentation);	2348 SUBTYPE OF(ConstituentShapeRepresentation);
1521 bevelAngle : NumericalValue;	2349 bevelAngle : NumericalValue;
1522 boundarySurface : CompositeSheetRepresentation;	2350 boundarySurface : CompositeSheetRepresentation;
1523 verticalProfileHeight : NumericalValue;	2351 verticalProfileHeight : NumericalValue;
1524 WHERE	2352 WHERE
1525 (SELF.verticalProfileHeight.unit.name='length') AN	2353 (SELF.verticalProfileHeight.unit.name='length') AN
1526 END_ENTITY;	2354 END_ENTITY;
1527	2355
1528 ENTITY BoundaryCurveRepresentation;	2356 ENTITY BoundaryCurveRepresentation;
1529 name : OPTIONAL DescriptorSelect;	2357 name : OPTIONAL DescriptorSelect;
1530 bounds : SET[1:?] OF GeometricBoundingCurveSelect;	2358 bounds : SET[1:?] OF GeometricBoundingCurveSelect;
1531 END_ENTITY;	2359 END_ENTITY;
1532	2360
1533 ENTITY Breakdown	2361 ENTITY Breakdown
1534 SUPERTYPE OF(ONEOF(FunctionalBreakdown, PhysicalBr	2362 SUPERTYPE OF(ONEOF(FunctionalBreakdown, PhysicalBr
1535 id : IdentifierSelect;	2363 id : IdentifierSelect;
1536 name : OPTIONAL DescriptorSelect;	2364 name : OPTIONAL DescriptorSelect;
1537 description : OPTIONAL DescriptorSelect;	2365 description : OPTIONAL DescriptorSelect;
1538 classifiedAs : OPTIONAL SET[1:?] OF Classification	2366 classifiedAs : OPTIONAL SET[1:?] OF Classification
1539 breakdownType : ClassSelect;	2367 breakdownType : ClassSelect;
1540 versions : SET[1:?] OF BreakdownVersion;	2368 versions : SET[1:?] OF BreakdownVersion;
1541 WHERE	2369 WHERE
1542 WR1: NOT(TYPEOF(SELF) = [SCHEMA_NAME + 'BREAKDOWN'	2370 WR1: NOT(TYPEOF(SELF) = [SCHEMA_NAME + 'BREAKDOWN'
1543 END_ENTITY;	2371 END_ENTITY;
1544	2372
1545 ENTITY BreakdownAssignment;	
1546 id : OPTIONAL IdentifierSelect;	
1547 description : OPTIONAL DescriptorSelect;	
1548 classifiedAs : OPTIONAL SET[1:?] OF Classification	
1549 role : ClassSelect;	
1550 assignedBreakdownVersion : BreakdownVersion;	
1551 assignedTo : SET[1:?] OF BreakdownAssignmentSelect	
1552 END_ENTITY;	
1553	

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Added(1455)	Deleted(440)	Changed(372)

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```
1554 ENTITY BreakdownElement;                            2373 ENTITY BreakdownElement;
1555   id : IdentifierSelect;                             2374   id : IdentifierSelect;
1556   name : DescriptorSelect;                           2375   name : DescriptorSelect;
1557   description : OPTIONAL DescriptorSelect;           2376   description : OPTIONAL DescriptorSelect;
1558   classifiedAs : OPTIONAL SET[1:?] OF Classification 2377   classifiedAs : OPTIONAL SET[1:?] OF Classification
1559   sameAs : OPTIONAL SET[1:?] OF ProxySelect;         2378   sameAs : OPTIONAL SET[1:?] OF ProxySelect;
1560   versions : OPTIONAL SET[1:?] OF BreakdownElementVe 2379   versions : OPTIONAL SET[1:?] OF BreakdownElementVe
1561 END_ENTITY;                                          2380 END_ENTITY;
1562                                                      2381
1563 ENTITY BreakdownElementAssociation;                  2382 ENTITY BreakdownElementAssociation;
1564   description : OPTIONAL DescriptorSelect;           2383   description : OPTIONAL DescriptorSelect;
1565   classifiedAs : OPTIONAL SET[1:?] OF Classification 2384   classifiedAs : OPTIONAL SET[1:?] OF Classification
1566   role : ClassSelect;
1567   associatedBreakdown : BreakdownVersion;           2385   associatedBreakdown : BreakdownVersion;
1568   associatedElement : BreakdownElement;             2386   associatedElement : BreakdownElement;
1569 END_ENTITY;                                          2387 END_ENTITY;
1570                                                      2388
                                                         2389 ENTITY BreakdownElementRealization;
                                                         2390   id : OPTIONAL IdentifierSelect;
                                                         2391   description : OPTIONAL DescriptorSelect;
                                                         2392   classifiedAs : OPTIONAL SET[1:?] OF Classification
                                                         2393   relationType : ClassSelect;
                                                         2394   relating : BreakdownElementOrAlternativeSolutionSe
                                                         2395   related : BreakdownElementOrOccurrenceSelect;
                                                         2396 WHERE
                                                         2397   WR1: relating :<>: related;
                                                         2398 END_ENTITY;
                                                         2399
                                                         2400 ENTITY BreakdownElementRelationship;
                                                         2401   id : OPTIONAL IdentifierSelect;
                                                         2402   description : OPTIONAL DescriptorSelect;
                                                         2403   classifiedAs : OPTIONAL SET[1:?] OF Classification
                                                         2404   relationType : ClassSelect;
                                                         2405   relating : BreakdownElement;
                                                         2406   related : BreakdownElement;
                                                         2407 WHERE
                                                         2408   WR1: relating :<>: related;
                                                         2409 END_ENTITY;
                                                         2410
1571 ENTITY BreakdownElementVersion;                      2411 ENTITY BreakdownElementVersion;
1572   id : IdentifierSelect;                             2412   id : IdentifierSelect;
1573   description : OPTIONAL DescriptorSelect;           2413   description : OPTIONAL DescriptorSelect;
1574   classifiedAs : OPTIONAL SET[1:?] OF Classification 2414   classifiedAs : OPTIONAL SET[1:?] OF Classification
1575   sameAs : OPTIONAL SET[1:?] OF ProxySelect;         2415   sameAs : OPTIONAL SET[1:?] OF ProxySelect;
1576   views : OPTIONAL SET[1:?] OF BreakdownElementView; 2416   views : OPTIONAL SET[1:?] OF BreakdownElementView;
1577 INVERSE                                              2417 INVERSE
1578   versionOf : BreakdownElement FOR versions;        2418   versionOf : BreakdownElement FOR versions;
1579 END_ENTITY;                                          2419 END_ENTITY;
1580                                                      2420
1581 ENTITY BreakdownElementVersionRelationship;          2421 ENTITY BreakdownElementVersionRelationship;
                                                         2422   id : OPTIONAL IdentifierSelect;
1582   description : OPTIONAL DescriptorSelect;           2423   description : OPTIONAL DescriptorSelect;
1583   classifiedAs : OPTIONAL SET[1:?] OF Classification 2424   classifiedAs : OPTIONAL SET[1:?] OF Classification
1584   relationType : ClassSelect;                       2425   relationType : ClassSelect;
1585   relating : BreakdownElementVersion;               2426   relating : BreakdownElementVersion;
1586   related : BreakdownElementVersion;                2427   related : BreakdownElementVersion;
1587 WHERE                                                2428 WHERE
1588   WR1: relating :<>: related;                       2429   WR1: relating :<>: related;
1589 END_ENTITY;                                          2430 END_ENTITY;
1590                                                      2431
1591 ENTITY BreakdownElementView;                         2432 ENTITY BreakdownElementView;
1592   id : OPTIONAL IdentifierSelect;                    2433   id : OPTIONAL IdentifierSelect;
1593   description : OPTIONAL DescriptorSelect;           2434   description : OPTIONAL DescriptorSelect;
1594   classifiedAs : OPTIONAL SET[1:?] OF Classification 2435   classifiedAs : OPTIONAL SET[1:?] OF Classification
1595   additionalContexts : OPTIONAL SET[1:?] OF ViewCont 2436   additionalContexts : OPTIONAL SET[1:?] OF ViewCont
                                                         2437   definingGeometry : OPTIONAL GeometricModel;
1596   initialContext : ViewContext;                     2438   initialContext : ViewContext;
1597   sameAs : OPTIONAL SET[1:?] OF ProxySelect;         2439   sameAs : OPTIONAL SET[1:?] OF ProxySelect;
1598 INVERSE                                              2440 INVERSE
1599   viewOf : BreakdownElementVersion FOR views;       2441   viewOf : BreakdownElementVersion FOR views;
1600 END_ENTITY;                                          2442 END_ENTITY;
1601                                                      2443
1602 ENTITY BreakdownElementViewRelationship;             2444 ENTITY BreakdownElementViewRelationship;
                                                         2445   id : OPTIONAL IdentifierSelect;
1603   description : OPTIONAL DescriptorSelect;           2446   description : OPTIONAL DescriptorSelect;
1604   classifiedAs : OPTIONAL SET[1:?] OF Classification 2447   classifiedAs : OPTIONAL SET[1:?] OF Classification
1605   relationType : ClassSelect;                       2448   relationType : ClassSelect;
1606   relating : BreakdownElementView;                  2449   relating : BreakdownElementView;
1607   related : BreakdownElementView;                   2450   related : BreakdownElementView;
1608 WHERE                                                2451 WHERE
1609   WR1: relating :<>: related;                       2452   WR1: relating :<>: related;
1610 END_ENTITY;                                          2453 END_ENTITY;
1611                                                      2454
1612 ENTITY BreakdownRelationship;                         2455 ENTITY BreakdownRelationship;
                                                         2456   id : OPTIONAL IdentifierSelect;
1613   description : OPTIONAL DescriptorSelect;           2457   description : OPTIONAL DescriptorSelect;
1614   classifiedAs : OPTIONAL SET[1:?] OF Classification 2458   classifiedAs : OPTIONAL SET[1:?] OF Classification
1615   relationType : ClassSelect;                       2459   relationType : ClassSelect;
1616   relating : Breakdown;                             2460   relating : Breakdown;
1617   related : Breakdown;                              2461   related : Breakdown;
1618 WHERE                                                2462 WHERE
1619   WR1: relating :<>: related;                       2463   WR1: relating :<>: related;
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Added(1455)	Deleted(440)	Changed(372)

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```
1620 END_ENTITY;                                         2464 END_ENTITY;
1621                                                      2465
1622 ENTITY BreakdownVersion;                             2466 ENTITY BreakdownVersion;
1623   id : IdentifierSelect;                             2467   id : IdentifierSelect;
1624   description : OPTIONAL DescriptorSelect;           2468   description : OPTIONAL DescriptorSelect;
1625   classifiedAs : OPTIONAL SET[1:?] OF Classification 2469   classifiedAs : OPTIONAL SET[1:?] OF Classification
1626   sameAs : OPTIONAL SET[1:?] OF ProxySelect;         2470   sameAs : OPTIONAL SET[1:?] OF ProxySelect;
1627 INVERSE                                              2471 INVERSE
1628   versionOf : Breakdown FOR versions;                2472   versionOf : Breakdown FOR versions;
1629 END_ENTITY;                                          2473 END_ENTITY;
1630                                                       2474
                                                          2475 ENTITY BreakdownVersionAssignment;
                                                          2476   id : OPTIONAL IdentifierSelect;
                                                          2477   description : OPTIONAL DescriptorSelect;
                                                          2478   classifiedAs : OPTIONAL SET[1:?] OF Classification
                                                          2479   role : ClassSelect;
                                                          2480   assignedBreakdownVersion : BreakdownVersion;
                                                          2481   assignedTo : SET[1:?] OF BreakdownVersionAssignmen
                                                          2482 END_ENTITY;
                                                          2483
1631 ENTITY BreakdownVersionRelationship;                 2484 ENTITY BreakdownVersionRelationship;
                                                          2485   id : OPTIONAL IdentifierSelect;
1632   description : OPTIONAL DescriptorSelect;           2486   description : OPTIONAL DescriptorSelect;
1633   classifiedAs : OPTIONAL SET[1:?] OF Classification 2487   classifiedAs : OPTIONAL SET[1:?] OF Classification
1634   relationType : ClassSelect;                        2488   relationType : ClassSelect;
1635   relating : BreakdownVersion;                       2489   relating : BreakdownVersion;
1636   related : BreakdownVersion;                        2490   related : BreakdownVersion;
1637 WHERE                                                2491 WHERE
1638   WR1: relating :<>: related;                        2492   WR1: relating :<>: related;
1639 END_ENTITY;                                          2493 END_ENTITY;
1640                                                       2494
1641 ENTITY CartesianPoint                                2495 ENTITY CartesianPoint
1642   SUBTYPE OF(Point);                                 2496   SUBTYPE OF(Point);
1643   coordinates : LIST[1:3] OF LengthMeasure;          2497   coordinates : LIST[2:3] OF LengthMeasure;
                                                          2498 DERIVE
                                                          2499   dim : INTEGER := SIZEOF(coordinates);
                                                          2500 END_ENTITY;
                                                          2501
                                                          2502 ENTITY CartesianTransformation
                                                          2503   SUBTYPE OF(DetailedGeometricModelItem);
                                                          2504   rotationMatrix : LIST[2:3] OF LIST[2:3] OF LengthM
                                                          2505   scale : OPTIONAL REAL;
                                                          2506   translationVector : LIST[2:3] OF LengthMeasure;
                                                          2507 DERIVE
                                                          2508   dim : INTEGER := SIZEOF(translationVector);
                                                          2509   scl : REAL := NVL(scale,1.0);
                                                          2510 WHERE
                                                          2511   WR1: scl > 0.0;
                                                          2512   WR2: SIZEOF(translationVector) = SIZEOF(rotationMa
1644 END_ENTITY;                                          2513 END_ENTITY;
1645                                                       2514
1646 ENTITY CentreOfMass                                  2515 ENTITY CentreOfMass
1647   SUBTYPE OF(ShapeDependentProperty);                2516   SUBTYPE OF(ShapeDependentProperty);
1648   centrePoint : CartesianPoint;                      2517   centrePoint : CartesianPoint;
1649   SELF\ShapeDependentProperty.definedIn : GeometricC 2518   SELF\ShapeDependentProperty.definedIn : GeometricC
1650 END_ENTITY;                                          2519 END_ENTITY;
1651                                                       2520
1652 ENTITY Certification;                                2521 ENTITY Certification;
1653   id : OPTIONAL IdentifierSelect;                    2522   id : OPTIONAL IdentifierSelect;
1654   name : DescriptorSelect;                           2523   name : DescriptorSelect;
1655   description : OPTIONAL DescriptorSelect;           2524   description : OPTIONAL DescriptorSelect;
1656   classifiedAs : OPTIONAL SET[1:?] OF Classification 2525   classifiedAs : OPTIONAL SET[1:?] OF Classification
1657   certificationType : ClassSelect;                   2526   certificationType : ClassSelect;
1658 END_ENTITY;                                          2527 END_ENTITY;
1659                                                       2528
1660 ENTITY CertificationAssignment;                      2529 ENTITY CertificationAssignment;
1661   id : OPTIONAL IdentifierSelect;                    2530   id : OPTIONAL IdentifierSelect;
1662   description : OPTIONAL DescriptorSelect;           2531   description : OPTIONAL DescriptorSelect;
1663   classifiedAs : OPTIONAL SET[1:?] OF Classification 2532   classifiedAs : OPTIONAL SET[1:?] OF Classification
1664   role : OPTIONAL ClassSelect;                       2533   role : OPTIONAL ClassSelect;
1665   assignedCertification : Certification;             2534   assignedCertification : Certification;
1666   assignedTo : SET[1:?] OF CertificationAssignmentSe 2535   assignedTo : SET[1:?] OF CertificationAssignmentSe
1667 END_ENTITY;                                          2536 END_ENTITY;
1668                                                       2537
1669 ENTITY ChangeElementSequence;                        2538 ENTITY ChangeElementSequence;
1670   description : OPTIONAL DescriptorSelect;           2539   description : OPTIONAL DescriptorSelect;
1671   classifiedAs : OPTIONAL SET[1:?] OF Classification 2540   classifiedAs : OPTIONAL SET[1:?] OF Classification
1672   relating : DeltaChangeActivity;                    2541   relating : DeltaChangeActivity;
1673   related : DeltaChangeActivity;                     2542   related : DeltaChangeActivity;
1674 END_ENTITY;                                          2543 END_ENTITY;
1675                                                       2544
1676 ENTITY CircularPath                                  2545 ENTITY CircularPath
1677   SUBTYPE OF(PathSegment);                           2546   SUBTYPE OF(PathSegment);
1678   viaPoint : CartesianPoint;                         2547   viaPoint : CartesianPoint;
1679 END_ENTITY;                                          2548 END_ENTITY;
1680                                                       2549
1681 ENTITY Class;                                        2550 ENTITY Class;
1682   id : IdentifierSelect;                             2551   id : IdentifierSelect;
1683   description : OPTIONAL DescriptorSelect;           2552   description : OPTIONAL DescriptorSelect;
1684   versionId : OPTIONAL IdentifierSelect;             2553   versionId : OPTIONAL IdentifierSelect;
1685   definedIn : OPTIONAL ExternalClassSystem;          2554   definedIn : OPTIONAL ExternalClassSystem;
1686 INVERSE                                              2555 INVERSE
```

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Added(1455)	Deleted(440)	Changed(372)

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1687 classAttributes : SET[0:?] OF ClassAttribute FOR d	2556 classAttributes : SET[0:?] OF ClassAttribute FOR d
1688 UNIQUE	2557 UNIQUE
1689 UR1: id;	2558 UR1: id;
1690 END_ENTITY;	2559 END_ENTITY;
1691	2560
1692 ENTITY ClassAttribute;	2561 ENTITY ClassAttribute;
1693 id : IdentifierSelect;	2562 id : IdentifierSelect;
1694 name : OPTIONAL DescriptorSelect;	2563 name : OPTIONAL DescriptorSelect;
1695 description : OPTIONAL DescriptorSelect;	2564 description : OPTIONAL DescriptorSelect;
1696 allowedValues : OPTIONAL SET[1:?] OF PropertyValue	2565 allowedValues : OPTIONAL SET[1:?] OF PropertyValue
1697 attributeDefinition : PropertyDefinition;	2566 attributeDefinition : PropertyDefinition;
1698 definedFor : Class;	2567 definedFor : Class;
1699 END_ENTITY;	2568 END_ENTITY;
1700	2569
1701 ENTITY ClassCategoryAssociation;	
1702 description : OPTIONAL DescriptorSelect;	
1703 classifiedAs : OPTIONAL SET[1:?] OF Classification	
1704 associatedCategory : SpecificationCategory;	
1705 associatedProductClass : ProductClass;	
1706 mandatory : BOOLEAN;	
1707 END_ENTITY;	
1708	
1709 ENTITY ClassConditionAssociation;	
1710 description : OPTIONAL DescriptorSelect;	
1711 classifiedAs : OPTIONAL SET[1:?] OF Classification	
1712 conditionType : ClassSelect;	
1713 associatedCondition : SpecificationExpression;	
1714 associatedProductClass : ProductClass;	
1715 END_ENTITY;	
1716	
1717 ENTITY Classification;	2570 ENTITY Classification;
1718 role : OPTIONAL ClassString;	2571 role : OPTIONAL ClassString;
1719 class : ClassSelect;	2572 class : ClassSelect;
1720 END_ENTITY;	2573 END_ENTITY;
1721	2574
1722 ENTITY ClassificationRelationship;	2575 ENTITY ClassificationRelationship;
	2576 id : OPTIONAL IdentifierSelect;
1723 description : OPTIONAL DescriptorSelect;	2577 description : OPTIONAL DescriptorSelect;
1724 classifiedAs : OPTIONAL SET[1:?] OF Classification	2578 classifiedAs : OPTIONAL SET[1:?] OF Classification
1725 relationType : ClassSelect;	2579 relationType : ClassSelect;
1726 relating : Classification;	2580 relating : Classification;
1727 related : Classification;	2581 related : Classification;
1728 WHERE	2582 WHERE
1729 WR1: relating :<>: related;	2583 WR1: relating :<>: related;
1730 END_ENTITY;	2584 END_ENTITY;
1731	2585
1732 ENTITY ClassInclusionAssociation;	
1733 description : OPTIONAL DescriptorSelect;	
1734 classifiedAs : OPTIONAL SET[1:?] OF Classification	
1735 associatedInclusion : SpecificationInclusion;	
1736 associatedProductClass : ProductClass;	
1737 END_ENTITY;	
1738	
1739 ENTITY ClassSpecificationAssociation;	
1740 description : OPTIONAL DescriptorSelect;	
1741 classifiedAs : OPTIONAL SET[1:?] OF Classification	
1742 associationType : ClassSelect;	
1743 associatedProductClass : ProductClass;	
1744 associatedSpecification : Specification;	
1745 END_ENTITY;	
1746	
1747 ENTITY CoatingLayer	2586 ENTITY CoatingLayer
1748 SUBTYPE OF(ShapeElement);	2587 SUBTYPE OF(ShapeElement);
1749 INVERSE	2588 INVERSE
1750 thickness : SET[0:1] OF ThicknessSizeDimension FOR	2589 thickness : SET[0:1] OF ThicknessSizeDimension FOR
1751 END_ENTITY;	2590 END_ENTITY;
1752	2591
1753 ENTITY CollectedPartRelationship	2592 ENTITY CollectedPartRelationship
1754 SUBTYPE OF(PartViewOccurrenceRelationship);	2593 SUBTYPE OF(ViewOccurrenceRelationship);
1755 SELF\PartViewOccurrenceRelationship.relating : Col	2594 SELF\ViewOccurrenceRelationship.relating : Collect
1756 DERIVE	2595 DERIVE
1757 SELF\PartViewOccurrenceRelationship.relationType :	2596 SELF\ViewOccurrenceRelationship.relationType : Cla
1758 END_ENTITY;	2597 END_ENTITY;
1759	2598
1760 ENTITY CollectionDefinition	2599 ENTITY CollectionDefinition
1761 SUBTYPE OF(PartView);	2600 SUBTYPE OF(PartView);
1762 purpose : OPTIONAL MultiLingualStringSelect;	2601 purpose : OPTIONAL MultiLingualStringSelect;
1763 INVERSE	2602 INVERSE
1764 collectedParts : SET[2:?] OF CollectedPartRelation	2603 collectedParts : SET[2:?] OF CollectedPartRelation
1765 END_ENTITY;	2604 END_ENTITY;
1766	2605
1767 ENTITY ComponentPlacement;	2606 ENTITY ComponentPlacement;
1768 placedComponent : BreakdownElementView;	2607 placedComponent : BreakdownElementView;
1769 placement : TransformationSelect;	2608 placement : TransformationSelect;
1770 referenceComponent : BreakdownElementView;	2609 referenceComponent : BreakdownElementView;
	2610 WHERE
	2611 WR1: NOT ('GEOMETRICREPRESENTATIONRELATIONSHIPWITH
	2612 END_ENTITY;
	2613
	2614 ENTITY ComposedGeometricModel
	2615 SUBTYPE OF(GeometricModel);
	2616 SELF\GeometricRepresentation.items : SET[1:?] OF A

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Added(1455)	Deleted(440)	Changed(372)

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1771 END_ENTITY;                                          2617 END_ENTITY;
1772                                                       2618
1773 ENTITY CompositeAssembly                              2619 ENTITY CompositeAssembly
1774   SUBTYPE OF(ConstituentPart);                        2620   SUBTYPE OF(ConstituentPart);
1775   layupPart : CompositeAssemblyTable;                 2621   layupPart : CompositeAssemblyTable;
1776   shape : OPTIONAL CompositeAssemblyShapeSelect;      2622   shape : OPTIONAL CompositeAssemblyShapeSelect;
1777 END_ENTITY;                                           2623 END_ENTITY;
1778                                                       2624
1779 ENTITY CompositeAssemblySequenceDefinition;           2625 ENTITY CompositeAssemblySequenceDefinition;
1780   componentsInSequence : OPTIONAL BAG[1:?] OF Compon  2626   componentsInSequence : OPTIONAL BAG[1:?] OF Compon
1781 END_ENTITY;                                           2627 END_ENTITY;
1782                                                       2628
1783 ENTITY CompositeAssemblyTable                         2629 ENTITY CompositeAssemblyTable
1784   SUBTYPE OF(LaminateTable);                          2630   SUBTYPE OF(LaminateTable);
1785   sequenceGroups : LIST[2:?] OF CompositeAssemblySeq  2631   sequenceGroups : LIST[2:?] OF CompositeAssemblySeq
1786 END_ENTITY;                                           2632 END_ENTITY;
1787                                                       2633
                                                           2634 ENTITY CompositeCurveOnSurface
                                                           2635   SUBTYPE OF(Curve);
                                                           2636   SELF\Curve.external : ExternalItem;
                                                           2637 END_ENTITY;
                                                           2638
1788 ENTITY CompositeSheetRepresentation                   2639 ENTITY CompositeSheetRepresentation
1789   SUPERTYPE OF(ONEOF(FaceBasedSheetRepresentation, G  2640   SUPERTYPE OF(ONEOF(FaceBasedSheetRepresentation, G
1790   SUBTYPE OF(ConstituentShapeRepresentation);         2641   SUBTYPE OF(ConstituentShapeRepresentation);
1791   threeDGeometry : ExternalRepresentation;            2642   threeDGeometry : ExternalGeometricModel;
1792 END_ENTITY;                                           2643 END_ENTITY;
1793                                                       2644
1794 ENTITY Configuration;                                 2645 ENTITY Condition
                                                           2646   SUPERTYPE OF(ONEOF(AndCondition, EqualsCondition,
1795   id : OPTIONAL IdentifierSelect;                     2647   id : OPTIONAL IdentifierSelect;
                                                           2648   description : OPTIONAL DescriptorSelect;
1796   classifiedAs : OPTIONAL SET[1:?] OF Classification  2649   classifiedAs : OPTIONAL SET[1:?] OF Classification
                                                           2650   conditionType : ClassSelect;
                                                           2651   parameters : SET[1:?] OF ParameterSelect;
                                                           2652   sameAs : OPTIONAL SET[1:?] OF ProxySelect;
                                                           2653 END_ENTITY;
                                                           2654
                                                           2655 ENTITY ConditionalConfiguration
                                                           2656   SUBTYPE OF(ConditionalEffectivity);
1797   configurationType : ClassSelect;                    2657   configurationType : ClassSelect;
1798   inheritanceType : ClassSelect;                      2658   inheritanceType : ClassSelect;
1799   configuredElement : ConfiguredItemSelect;           2659   configuredElement : ConfiguredItemSelect;
1800   isSolutionFor : ConfiguredSpecificationSelect;      2660   resolvedConfiguration : ConfiguredSpecificationSel
                                                           2661 END_ENTITY;
                                                           2662
                                                           2663 ENTITY ConditionalEffectivity
                                                           2664   SUPERTYPE OF(ONEOF(ConditionalConfiguration))
                                                           2665   SUBTYPE OF(Effectivity);
                                                           2666   condition : Condition;
                                                           2667 END_ENTITY;
                                                           2668
                                                           2669 ENTITY ConditionAssignment;
                                                           2670   id : OPTIONAL IdentifierSelect;
                                                           2671   description : OPTIONAL DescriptorSelect;
                                                           2672   classifiedAs : OPTIONAL SET[1:?] OF Classification
                                                           2673   role : ClassSelect;
                                                           2674   assignedCondition : Condition;
                                                           2675   assignedTo : ConditionAssignmentSelect;
                                                           2676 END_ENTITY;
                                                           2677
                                                           2678 ENTITY ConditionParameter;
                                                           2679   description : OPTIONAL DescriptorSelect;
                                                           2680   classifiedAs : OPTIONAL SET[1:?] OF Classification
                                                           2681   parameter : OPTIONAL ConditionParameterSelect;
                                                           2682   sameAs : OPTIONAL SET[1:?] OF ProxySelect;
                                                           2683 END_ENTITY;
                                                           2684
                                                           2685 ENTITY ConditionRelationship;
                                                           2686   id : OPTIONAL IdentifierSelect;
                                                           2687   description : OPTIONAL DescriptorSelect;
                                                           2688   classifiedAs : OPTIONAL SET[1:?] OF Classification
                                                           2689   relationType : ClassSelect;
                                                           2690   relating : Condition;
                                                           2691   related : Condition;
                                                           2692 WHERE
                                                           2693   WR1: relating :<>: related;
                                                           2694 END_ENTITY;
                                                           2695
                                                           2696 ENTITY ConfiguredAssemblyEffectivity;
                                                           2697   id : OPTIONAL IdentifierSelect;
                                                           2698   name : OPTIONAL DescriptorSelect;
                                                           2699   description : OPTIONAL DescriptorSelect;
                                                           2700   classifiedAs : OPTIONAL SET[1:?] OF Classification
                                                           2701   configuredElement : AssemblyDesignSelect;
                                                           2702   effectivityDomain : Effectivity;
                                                           2703   resolvedConfiguration : ProductDesignAssociation;
1801 END_ENTITY;                                           2704 END_ENTITY;
1802                                                       2705
1803 ENTITY ConstituentPart                                2706 ENTITY ConstituentPart
1804   SUBTYPE OF(PartView);                               2707   SUBTYPE OF(PartView);
1805   weight : OPTIONAL NumericalValue;                   2708   weight : OPTIONAL NumericalValue;
```

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1806 WHERE	2709 WHERE
1807 ((NOT(EXISTS(SELF.weight))) OR ((EXISTS(SELF.weigh	2710 ((NOT(EXISTS(SELF.weight))) OR ((EXISTS(SELF.weigh
1808 END_ENTITY;	2711 END_ENTITY;
1809	2712
1810 ENTITY ConstituentShapeRepresentation	2713 ENTITY ConstituentShapeRepresentation
1811 ABSTRACT	2714 ABSTRACT
1812 SUPERTYPE OF(ONEOF(BeveledSheetRepresentation, Com	2715 SUPERTYPE OF(ONEOF(BeveledSheetRepresentation, Com
1813 id : OPTIONAL IdentifierSelect;	2716 SUBTYPE OF(GeometricRepresentation);
1814 name : OPTIONAL DescriptorSelect;	
1815 description : OPTIONAL DescriptorSelect;	
1816 coordinateSpace : GeometricCoordinateSpace;	
1817 isAppliedTo : SET[1:?] OF DetailedGeometricModelEl	
1818 END_ENTITY;	2717 END_ENTITY;
1819	2718
1820 ENTITY ContentProperty;	2719 ENTITY ContentProperty;
1821 description : OPTIONAL DescriptorSelect;	2720 description : OPTIONAL DescriptorSelect;
1822 detailLevel : OPTIONAL DescriptorSelect;	2721 detailLevel : OPTIONAL DescriptorSelect;
1823 geometryTypes : OPTIONAL SET[1:?] OF Classificatio	2722 geometryTypes : OPTIONAL SET[1:?] OF Classificatio
1824 languages : OPTIONAL SET[1:?] OF Language;	2723 languages : OPTIONAL SET[1:?] OF Language;
1825 realWorldScale : OPTIONAL NumericalValue;	2724 realWorldScale : OPTIONAL NumericalValue;
1826 END_ENTITY;	2725 END_ENTITY;
1827	2726
1828 ENTITY Contract;	2727 ENTITY Contract;
1829 id : OPTIONAL IdentifierSelect;	2728 id : OPTIONAL IdentifierSelect;
1830 description : OPTIONAL DescriptorSelect;	2729 description : OPTIONAL DescriptorSelect;
1831 classifiedAs : OPTIONAL SET[1:?] OF Classification	2730 classifiedAs : OPTIONAL SET[1:?] OF Classification
1832 contractType : ClassSelect;	2731 contractType : ClassSelect;
1833 INVERSE	2732 INVERSE
1834 releases : SET[0:?] OF OrganizationInContract FOR	2733 releases : SET[0:?] OF OrganizationInContract FOR
1835 END_ENTITY;	2734 END_ENTITY;
1836	2735
1837 ENTITY ContractAssignment;	2736 ENTITY ContractAssignment;
1838 id : OPTIONAL IdentifierSelect;	2737 id : OPTIONAL IdentifierSelect;
1839 description : OPTIONAL DescriptorSelect;	2738 description : OPTIONAL DescriptorSelect;
1840 classifiedAs : OPTIONAL SET[1:?] OF Classification	2739 classifiedAs : OPTIONAL SET[1:?] OF Classification
1841 role : OPTIONAL ClassSelect;	2740 role : OPTIONAL ClassSelect;
1842 assignedContract : Contract;	2741 assignedContract : Contract;
1843 assignedTo : SET[1:?] OF ContractAssignmentSelect;	2742 assignedTo : SET[1:?] OF ContractAssignmentSelect;
1844 END_ENTITY;	2743 END_ENTITY;
1845	2744
1846 ENTITY CoordinateSystem	2745 ENTITY ContractRelationship;
1847 SUBTYPE OF(DetailedGeometricModelElement);	
1848 id : OPTIONAL IdentifierSelect;	2746 id : OPTIONAL IdentifierSelect;
1849 description : OPTIONAL DescriptorSelect;	2747 description : OPTIONAL SET[1:?] OF DescriptorSelec
1850 coordinateType : CoordinateTypeEnum;	2748 classifiedAs : OPTIONAL SET[1:?] OF Classification
1851 axis : OPTIONAL Direction;	2749 relationType : ClassSelect;
1852 dimensionality : INTEGER;	2750 relating : Contract;
1853 origin : Point;	2751 related : Contract;
1854 refDirection : OPTIONAL Direction;	
1855 WHERE	2752 WHERE
1856 WR1: dimensionality > 0;	2753 WR1: relating :<>: related;
1857 END_ENTITY;	2754 END_ENTITY;
1858	2755
1859 ENTITY Copyright	2756 ENTITY Copyright
1860 SUBTYPE OF(InformationRight);	2757 SUBTYPE OF(InformationRight);
1861 END_ENTITY;	2758 END_ENTITY;
1862	2759
1863 ENTITY CreationProperty;	2760 ENTITY CreationProperty;
1864 description : OPTIONAL DescriptorSelect;	2761 description : OPTIONAL DescriptorSelect;
1865 creatingInterface : OPTIONAL CharacterString;	2762 creatingInterface : OPTIONAL CharacterString;
1866 creatingSystem : CharacterString;	2763 creatingSystem : CharacterString;
1867 operatingSystem : OPTIONAL CharacterString;	2764 operatingSystem : OPTIONAL CharacterString;
1868 END_ENTITY;	2765 END_ENTITY;
1869	2766
	2767 ENTITY Curve
	2768 SUPERTYPE OF(ONEOF(CompositeCurveOnSurface, Pcurve
	2769 SUBTYPE OF(DetailedGeometricModelItem);
	2770 SELF\RepresentationItem.external : ExternalItem;
	2771 END_ENTITY;
	2772
1870 ENTITY DataEnvironment;	2773 ENTITY DataEnvironment;
1871 name : DescriptorSelect;	2774 name : DescriptorSelect;
1872 description : OPTIONAL DescriptorSelect;	2775 description : OPTIONAL DescriptorSelect;
1873 characterization : OPTIONAL SET[1:?] OF PropertyVa	2776 characterization : OPTIONAL SET[1:?] OF PropertyVa
1874 END_ENTITY;	2777 END_ENTITY;
1875	2778
1876 ENTITY DataValidityPeriod	2779 ENTITY DataValidityEffectivity
1877 SUBTYPE OF(DatedEffectivity);	2780 SUBTYPE OF(Effectivity);
1878 END_ENTITY;	2781 END_ENTITY;
1879	2782
1880 ENTITY DateAndPersonAssignment;	2783 ENTITY DateAndPersonAssignment;
1881 id : OPTIONAL IdentifierSelect;	2784 id : OPTIONAL IdentifierSelect;
1882 description : OPTIONAL DescriptorSelect;	2785 description : OPTIONAL DescriptorSelect;
1883 classifiedAs : OPTIONAL SET[1:?] OF Classification	2786 classifiedAs : OPTIONAL SET[1:?] OF Classification
1884 role : ClassSelect;	2787 role : ClassSelect;
1885 assignedDateAndPerson : DateAndPersonOrganization;	2788 assignedDateAndPerson : DateAndPersonOrganization;
1886 assignedTo : SET[1:?] OF DateTimePersonOrganizatio	2789 assignedTo : SET[1:?] OF DateTimePersonOrganizatio
1887 END_ENTITY;	2790 END_ENTITY;
1888	2791
1889 ENTITY DateAndPersonOrganization;	2792 ENTITY DateAndPersonOrganization;
1890 date : DateTimeString;	2793 date : DateTimeString;
1891 personOrOrganization : PersonOrOrganizationSelect;	2794 personOrOrganization : OrganizationOrPersonInOrgan

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1892 END_ENTITY;
1893
1894 ENTITY DatedConfiguration
1895   SUBTYPE OF(ManufacturingConfiguration);
1896   endDefinition : OPTIONAL EventOrDateSelect;
1897   startDefinition : EventOrDateSelect;
1898 END_ENTITY;
1899
1900 ENTITY DatedEffectivity
1901   SUPERTYPE OF(ONEOF(DataValidityPeriod))
1902   SUBTYPE OF(Effectivity);
1903   endDefinition : OPTIONAL EventOrDateSelect;
1904   startDefinition : OPTIONAL EventOrDateSelect;
1905 END_ENTITY;                                    2795 END_ENTITY;
1906                                                2796
1907 ENTITY DateTimeAssignment;                    2797 ENTITY DateTimeAssignment;
1908   id : OPTIONAL IdentifierSelect;             2798   id : OPTIONAL IdentifierSelect;
1909   description : OPTIONAL DescriptorSelect;    2799   description : OPTIONAL DescriptorSelect;
1910   classifiedAs : OPTIONAL SET[1:?] OF Classification  2800   classifiedAs : OPTIONAL SET[1:?] OF Classification
1911   role : ClassSelect;                         2801   role : ClassSelect;
1912   assignedDate : DateTimeString;              2802   assignedDate : DateTimeString;
1913   assignedTo : SET[1:?] OF DateTimeAssignmentSelect;  2803   assignedTo : SET[1:?] OF DateTimeAssignmentSelect;
1914 END_ENTITY;                                    2804 END_ENTITY;
1915                                                2805
                                                   2806 ENTITY DegeneratePcurve
                                                   2807   SUBTYPE OF(Pcurve);
                                                   2808 END_ENTITY;
                                                   2809
1916 ENTITY DeleteElement                          2810 ENTITY DeleteElement
1917   SUBTYPE OF(DeltaChangeActivity);            2811   SUBTYPE OF(DeltaChangeActivity);
1918   previousDesignObject : SET[1:?] OF DeltaChangeMana  2812   previousDesignObject : SET[1:?] OF DeltaChangeMana
1919 END_ENTITY;                                    2813 END_ENTITY;
1920                                                2814
1921 ENTITY DeltaChange;                           2815 ENTITY DeltaChange;
1922   id : IdentifierSelect;                      2816   id : IdentifierSelect;
1923   name : OPTIONAL DescriptorSelect;           2817   name : OPTIONAL DescriptorSelect;
1924   description : OPTIONAL DescriptorSelect;    2818   description : OPTIONAL DescriptorSelect;
1925   classifiedAs : OPTIONAL SET[1:?] OF Classification  2819   classifiedAs : OPTIONAL SET[1:?] OF Classification
1926   changeActivities : OPTIONAL SET[1:?] OF DeltaChang  2820   changeActivities : OPTIONAL SET[1:?] OF DeltaChang
1927   describedChange : OPTIONAL DeltaChangeRelationship  2821   describedChange : OPTIONAL DeltaChangeRelationship
1928 END_ENTITY;                                    2822 END_ENTITY;
1929                                                2823
1930 ENTITY DeltaChangeActivity                    2824 ENTITY DeltaChangeActivity
1931   ABSTRACT                                    2825   ABSTRACT
1932   SUPERTYPE OF(ONEOF(AddElement, DeleteElement, Modi  2826   SUPERTYPE OF(ONEOF(AddElement, DeleteElement, Modi
1933   attributeName : OPTIONAL CharacterString;   2827   attributeName : OPTIONAL CharacterString;
1934   changeLocationInAggregateAttribute : OPTIONAL LIST 2828   changeLocationInAggregateAttribute : OPTIONAL LIST
1935 INVERSE                                       2829 INVERSE
1936   changeSet : DeltaChange FOR changeActivities;  2830   changeSet : DeltaChange FOR changeActivities;
1937 END_ENTITY;                                    2831 END_ENTITY;
1938                                                2832
1939 ENTITY Descriptor;                            2833 ENTITY Descriptor;
1940   id : OPTIONAL IdentifierSelect;             2834   id : OPTIONAL IdentifierSelect;
1941   classifiedAs : OPTIONAL SET[1:?] OF Classification  2835   classifiedAs : OPTIONAL SET[1:?] OF Classification
1942   descriptionContext : OPTIONAL SET[1:?] OF Identifi 2836   descriptionContext : OPTIONAL SET[1:?] OF Identifi
1943   text : MultiLingualStringSelect;            2837   text : MultiLingualStringSelect;
1944 WHERE                                         2838 WHERE
1945   encapsulated: SIZEOF(USEDIN(SELF,''))=1;    2839   encapsulated: SIZEOF(USEDIN(SELF,''))=1;
1946 END_ENTITY;                                    2840 END_ENTITY;
1947                                                2841
1948 ENTITY DescriptorRelationship;                2842 ENTITY DescriptorRelationship;
                                                   2843   id : OPTIONAL IdentifierSelect;
1949   description : OPTIONAL DescriptorSelect;    2844   description : OPTIONAL DescriptorSelect;
1950   classifiedAs : OPTIONAL SET[1:?] OF Classification  2845   classifiedAs : OPTIONAL SET[1:?] OF Classification
1951   relationType : ClassSelect;                 2846   relationType : ClassSelect;
1952   relating : Descriptor;                      2847   relating : Descriptor;
1953   related : Descriptor;                       2848   related : Descriptor;
1954 WHERE                                         2849 WHERE
1955   WR1: relating :<>: related;                 2850   WR1: relating :<>: related;
1956 END_ENTITY;                                    2851 END_ENTITY;
1957                                                2852
1958 ENTITY DetailedGeometricModelElement          2853 ENTITY DetailedGeometricModelItem
1959   ABSTRACT                                    2854   ABSTRACT
1960   SUPERTYPE OF(ONEOF(CoordinateSystem, Direction, Ex 2855   SUPERTYPE OF(ONEOF(AxisPlacement, CartesianTransfo
                                                   2856   SUBTYPE OF(RepresentationItem);
1961 END_ENTITY;                                    2857 END_ENTITY;
1962                                                2858
1963 ENTITY DigitalDocumentDefinition              2859 ENTITY DigitalDocumentDefinition
1964   SUBTYPE OF(DocumentDefinition);             2860   SUBTYPE OF(DocumentDefinition);
1965   files : OPTIONAL SET[1:?] OF DigitalFile;   2861   files : OPTIONAL SET[1:?] OF DigitalFile;
1966 END_ENTITY;                                    2862 END_ENTITY;
1967                                                2863
1968 ENTITY DigitalFile                            2864 ENTITY DigitalFile
1969   SUBTYPE OF(File);                           2865   SUBTYPE OF(File);
1970 INVERSE                                       2866 INVERSE
1971   associatedModelSpace : SET[0:?] OF ExternalGeometr 2867   associatedModelSpace : SET[0:?] OF ExternalGeometr
                                                   2868 END_ENTITY;
                                                   2869
                                                   2870 ENTITY DirectedActualActivity
                                                   2871   SUBTYPE OF(ActualActivity);
                                                   2872   directive : WorkOrder;
1972 END_ENTITY;                                    2873 END_ENTITY;
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1973	2874
	2875 ENTITY DirectedPlannedActivity
	2876 SUBTYPE OF(PlannedActivity);
	2877 directive : WorkOrder;
	2878 END_ENTITY;
	2879
1974 ENTITY Direction	2880 ENTITY Direction
1975 SUBTYPE OF(DetailedGeometricModelElement);	2881 SUBTYPE OF(DetailedGeometricModelItem);
1976 name : OPTIONAL DescriptorSelect;	
1977 directionRatios : LIST[2:3] OF LengthMeasure;	2882 directionRatios : LIST[2:3] OF LengthMeasure;
	2883 DERIVE
	2884 dim : INTEGER := SIZEOF(directionRatios);
1978 END_ENTITY;	2885 END_ENTITY;
1979	2886
1980 ENTITY DirectionOfFiberOrientationWithinAPly;	2887 ENTITY DirectionOfFiberOrientationWithinAPly;
1981 id : OPTIONAL IdentifierSelect;	2888 id : OPTIONAL IdentifierSelect;
1982 name : OPTIONAL DescriptorSelect;	2889 name : OPTIONAL DescriptorSelect;
1983 description : OPTIONAL DescriptorSelect;	2890 description : OPTIONAL DescriptorSelect;
1984 angleReferences : SET[1:?] OF AngleSelect;	2891 angleReferences : SET[1:?] OF AngleSelect;
1985 basis : ReinforcementOrientationBasis;	2892 basis : ReinforcementOrientationBasis;
1986 INVERSE	2893 INVERSE
1987 orientations : PlyOrientationAngle FOR fiberDirect	2894 orientations : PlyOrientationAngle FOR fiberDirect
1988 END_ENTITY;	2895 END_ENTITY;
1989	2896
1990 ENTITY Document;	2897 ENTITY Document;
1991 id : IdentifierSelect;	2898 id : IdentifierSelect;
1992 name : DescriptorSelect;	2899 name : DescriptorSelect;
1993 description : OPTIONAL DescriptorSelect;	2900 description : OPTIONAL DescriptorSelect;
1994 classifiedAs : OPTIONAL SET[1:?] OF Classification	2901 classifiedAs : OPTIONAL SET[1:?] OF Classification
1995 documentTypes : SET[1:?] OF ClassSelect;	2902 documentTypes : SET[1:?] OF ClassSelect;
1996 versions : SET[1:?] OF DocumentVersion;	2903 versions : SET[1:?] OF DocumentVersion;
1997 END_ENTITY;	2904 END_ENTITY;
1998	2905
1999 ENTITY DocumentAssignment;	2906 ENTITY DocumentAssignment;
2000 id : OPTIONAL IdentifierSelect;	2907 id : OPTIONAL IdentifierSelect;
2001 description : OPTIONAL DescriptorSelect;	2908 description : OPTIONAL DescriptorSelect;
2002 classifiedAs : OPTIONAL SET[1:?] OF Classification	2909 classifiedAs : OPTIONAL SET[1:?] OF Classification
2003 role : ClassSelect;	2910 role : ClassSelect;
2004 assignedDocument : AssignedDocumentSelect;	2911 assignedDocument : AssignedDocumentSelect;
2005 assignedTo : SET[1:?] OF DocumentAssignmentSelect;	2912 assignedTo : SET[1:?] OF DocumentAssignmentSelect;
2006 documentPortion : OPTIONAL MultiLingualStringSelec	2913 documentPortion : OPTIONAL MultiLingualStringSelec
2007 END_ENTITY;	2914 END_ENTITY;
2008	2915
2009 ENTITY DocumentDefinition	2916 ENTITY DocumentDefinition
2010 ABSTRACT	
2011 SUPERTYPE OF(ONEOF(DigitalDocumentDefinition, Phys	2917 SUPERTYPE OF(ONEOF(DigitalDocumentDefinition, Phys
2012 id : IdentifierSelect;	2918 id : OPTIONAL IdentifierSelect;
2013 name : OPTIONAL DescriptorSelect;	2919 name : OPTIONAL DescriptorSelect;
2014 description : OPTIONAL DescriptorSelect;	2920 description : OPTIONAL DescriptorSelect;
	2921 classifiedAs : OPTIONAL SET[1:?] OF Classification
2015 documentContent : OPTIONAL ContentProperty;	2922 documentContent : OPTIONAL ContentProperty;
2016 documentCreation : OPTIONAL CreationProperty;	2923 documentCreation : OPTIONAL CreationProperty;
2017 documentFormat : OPTIONAL SET[1:?] OF FormatProper	2924 documentFormat : OPTIONAL SET[1:?] OF FormatProper
2018 documentSize : OPTIONAL SizeProperty;	2925 documentSize : OPTIONAL SizeProperty;
2019 INVERSE	2926 INVERSE
2020 viewOf : DocumentVersion FOR views;	2927 viewOf : DocumentVersion FOR views;
2021 END_ENTITY;	2928 END_ENTITY;
2022	2929
2023 ENTITY DocumentDefinitionRelationship;	2930 ENTITY DocumentDefinitionRelationship;
	2931 id : OPTIONAL IdentifierSelect;
2024 description : OPTIONAL DescriptorSelect;	2932 description : OPTIONAL DescriptorSelect;
2025 classifiedAs : OPTIONAL SET[1:?] OF Classification	2933 classifiedAs : OPTIONAL SET[1:?] OF Classification
2026 relationType : ClassSelect;	2934 relationType : ClassSelect;
2027 relating : DocumentDefinition;	2935 relating : DocumentDefinition;
2028 related : DocumentDefinition;	2936 related : DocumentDefinition;
2029 WHERE	2937 WHERE
2030 WR1: relating :<>: related;	2938 WR1: relating :<>: related;
2031 END_ENTITY;	2939 END_ENTITY;
2032	2940
2033 ENTITY DocumentRelationship;	2941 ENTITY DocumentRelationship;
	2942 id : OPTIONAL IdentifierSelect;
2034 description : OPTIONAL DescriptorSelect;	2943 description : OPTIONAL DescriptorSelect;
2035 classifiedAs : OPTIONAL SET[1:?] OF Classification	2944 classifiedAs : OPTIONAL SET[1:?] OF Classification
2036 relationType : ClassSelect;	2945 relationType : ClassSelect;
2037 relating : Document;	2946 relating : Document;
2038 related : Document;	2947 related : Document;
2039 WHERE	2948 WHERE
2040 WR1: relating :<>: related;	2949 WR1: relating :<>: related;
2041 END_ENTITY;	2950 END_ENTITY;
2042	2951
2043 ENTITY DocumentVersion;	2952 ENTITY DocumentVersion;
2044 id : IdentifierSelect;	2953 id : IdentifierSelect;
2045 description : OPTIONAL DescriptorSelect;	2954 description : OPTIONAL DescriptorSelect;
	2955 classifiedAs : OPTIONAL SET[1:?] OF Classification
2046 views : OPTIONAL SET[1:?] OF DocumentDefinition;	2956 views : OPTIONAL SET[1:?] OF DocumentDefinition;
2047 INVERSE	2957 INVERSE
2048 versionOf : Document FOR versions;	2958 versionOf : Document FOR versions;
2049 END_ENTITY;	2959 END_ENTITY;
2050	2960
2051 ENTITY DocumentVersionRelationship;	2961 ENTITY DocumentVersionRelationship;
	2962 id : OPTIONAL IdentifierSelect;
2052 description : OPTIONAL DescriptorSelect;	2963 description : OPTIONAL DescriptorSelect;

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2053   classifiedAs : OPTIONAL SET[1:?] OF Classification
2054   relationType : ClassSelect;
2055   relating : DocumentVersion;
2056   related : DocumentVersion;
2057 WHERE
2058   WR1: relating :<>: related;
2059 END_ENTITY;
2060
2061 ENTITY DrapedOrientationAngle
2062   SUBTYPE OF(PlyOrientationAngle);
2063 END_ENTITY;
2064
2065 ENTITY Duration;
2066   time : STRING;
2067   unit : STRING;
2068 END_ENTITY;
2069
2070 ENTITY EdgeZoneShape
2071   SUBTYPE OF(ZoneStructuralMakeupShapeRepresentation
2072   boundary : BoundaryClassZoneSelect;
2073 END_ENTITY;
2074
2075 ENTITY Effectivity
2076   SUPERTYPE OF(ONEOF(DatedEffectivity, LotEffectivit
2077   id : IdentifierSelect;
2078   description : OPTIONAL DescriptorSelect;
2079   versionId : OPTIONAL IdentifierSelect;
2080   classifiedAs : OPTIONAL SET[1:?] OF Classification
2081   concernedOrganizations : OPTIONAL SET[1:?] OF Orga
2082   effectivityContext : OPTIONAL LifeCycleStageSelect
2083 END_ENTITY;
2084
2085 ENTITY EffectivityAssignment;
2086   id : OPTIONAL IdentifierSelect;
2087   description : OPTIONAL DescriptorSelect;
2088   classifiedAs : OPTIONAL SET[1:?] OF Classification
2089   role : ClassSelect;
2090   assignedEffectivity : Effectivity;
2091   assignedTo : SET[1:?] OF EffectivityAssignmentSele
2092   effectivityIndication : BOOLEAN;


2093 END_ENTITY;
2094
2095 ENTITY EffectivityRelationship;

2096   description : OPTIONAL DescriptorSelect;
2097   classifiedAs : OPTIONAL SET[1:?] OF Classification
2098   relationType : ClassSelect;
2099   relating : Effectivity;
2100   related : Effectivity;
2101 WHERE
2102   WR1: relating :<>: related;
2103 END_ENTITY;
2104
2105 ENTITY ElementDelivery;
2106   role : ClassSelect;
2107   associatedActivity : Activity;
2108   deliverableElements : SET[1:?] OF ActivityAssignme
2109   destination : Organization;
2110   quantity : ValueWithUnit;
2111 END_ENTITY;
2112







2113 ENTITY EvaluatedCharacteristic;
2114   id : IdentifierSelect;
2115   name : OPTIONAL DescriptorSelect;
2116   description : OPTIONAL DescriptorSelect;
2117   classifiedAs : OPTIONAL SET[1:?] OF Classification
2118   actualCharacteristics : SET[1:?] OF PropertyValue;
2119   evaluationResult : EvaluationResultEnum;
2120   evaluationStatus : EvaluationStatusEnum;
2121   plannedCharacteristics : SET[1:?] OF PlannedCharac
2122 END_ENTITY;
2123
2124 ENTITY Event;
2125   id : IdentifierSelect;
2126   description : OPTIONAL DescriptorSelect;
2127   classifiedAs : OPTIONAL SET[1:?] OF Classification
2128   eventType : ClassSelect;
2129   actualStartDate : OPTIONAL DateTimeString;
2130   offset : OPTIONAL Duration;
2131   plannedStartDate : OPTIONAL DateTimeString;
2132 END_ENTITY;
2133
2134 ENTITY EventAssignment;
2135   id : OPTIONAL IdentifierSelect;
```

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2964   classifiedAs : OPTIONAL SET[1:?] OF Classification
2965   relationType : ClassSelect;
2966   relating : DocumentVersion;
2967   related : DocumentVersion;
2968 WHERE
2969   WR1: relating :<>: related;
2970 END_ENTITY;
2971
2972 ENTITY DrapedOrientationAngle
2973   SUBTYPE OF(PlyOrientationAngle);
2974 END_ENTITY;
2975
2976 ENTITY Duration;
2977   time : STRING;
2978   unit : STRING;
2979 END_ENTITY;
2980
2981 ENTITY EdgeZoneShape
2982   SUBTYPE OF(ZoneStructuralMakeupShapeRepresentation
2983   boundary : BoundaryClassZoneSelect;
2984 END_ENTITY;
2985
2986 ENTITY Effectivity
2987   SUPERTYPE OF(ONEOF(DataValidityEffectivity, LotEff
2988   id : OPTIONAL IdentifierSelect;
2989   description : OPTIONAL DescriptorSelect;
2990   versionId : OPTIONAL IdentifierSelect;
2991   classifiedAs : OPTIONAL SET[1:?] OF Classification
2992   concernedOrganizations : OPTIONAL SET[1:?] OF Orga
2993   effectivityContext : OPTIONAL EffectivityContextSe
2994 END_ENTITY;
2995
2996 ENTITY EffectivityAssignment;
2997   id : OPTIONAL IdentifierSelect;
2998   description : OPTIONAL DescriptorSelect;
2999   classifiedAs : OPTIONAL SET[1:?] OF Classification
3000   role : ClassSelect;
3001   assignedEffectivity : Effectivity;
3002   assignedTo : SET[1:?] OF EffectivityAssignmentSele
3003   effectivityIndication : BOOLEAN;
3004   endDefinition : OPTIONAL EventOrDateSelect;
3005   startDefinition : OPTIONAL EventOrDateSelect;
3006 END_ENTITY;
3007
3008 ENTITY EffectivityRelationship;
3009   id : OPTIONAL IdentifierSelect;
3010   description : OPTIONAL DescriptorSelect;
3011   classifiedAs : OPTIONAL SET[1:?] OF Classification
3012   relationType : ClassSelect;
3013   relating : Effectivity;
3014   related : Effectivity;
3015 WHERE
3016   WR1: relating :<>: related;
3017 END_ENTITY;
3018
3019 ENTITY ElementDelivery;
3020   role : ClassSelect;
3021   associatedActivity : Activity;
3022   deliverableElements : SET[1:?] OF ActivityAssignme
3023   destination : Organization;
3024   quantity : ValueWithUnit;
3025 END_ENTITY;
3026
3027 ENTITY EqualsCondition
3028   SUBTYPE OF(Condition);
3029 DERIVE
3030   SELF\Condition.conditionType : ClassSelect := 'equ
3031 END_ENTITY;
3032
3033 ENTITY EvaluatedCharacteristic;
3034   id : IdentifierSelect;
3035   name : OPTIONAL DescriptorSelect;
3036   description : OPTIONAL DescriptorSelect;
3037   classifiedAs : OPTIONAL SET[1:?] OF Classification
3038   actualCharacteristics : SET[1:?] OF PropertyValue;
3039   evaluationResult : EvaluationResultEnum;
3040   evaluationStatus : EvaluationStatusEnum;
3041   plannedCharacteristics : SET[1:?] OF PlannedCharac
3042 END_ENTITY;
3043
3044 ENTITY Event;
3045   id : OPTIONAL IdentifierSelect;
3046   description : OPTIONAL DescriptorSelect;
3047   classifiedAs : OPTIONAL SET[1:?] OF Classification
3048   eventType : ClassSelect;
3049   actualStartDate : OPTIONAL DateTimeString;
3050   offset : OPTIONAL Duration;
3051   plannedStartDate : OPTIONAL DateTimeString;
3052 END_ENTITY;
3053
3054 ENTITY EventAssignment;
3055   id : OPTIONAL IdentifierSelect;
```

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```
2136   description : OPTIONAL DescriptorSelect;          3056   description : OPTIONAL DescriptorSelect;
2137   classifiedAs : OPTIONAL SET[1:?] OF Classification 3057   classifiedAs : OPTIONAL SET[1:?] OF Classification
2138   role : ClassSelect;                               3058   role : ClassSelect;
2139   assignedEvent : Event;                            3059   assignedEvent : Event;
2140   assignedTo : SET[1:?] OF GeneralOrganizationalData 3060   assignedTo : SET[1:?] OF GeneralOrganizationalData
2141 END_ENTITY;                                          3061 END_ENTITY;
2142                                                      3062
2143 ENTITY EventRelationship;                            3063 ENTITY EventRelationship;
                                                          3064   id : OPTIONAL IdentifierSelect;
2144   description : OPTIONAL DescriptorSelect;          3065   description : OPTIONAL DescriptorSelect;
2145   classifiedAs : OPTIONAL SET[1:?] OF Classification 3066   classifiedAs : OPTIONAL SET[1:?] OF Classification
2146   relationType : ClassSelect;                       3067   relationType : ClassSelect;
2147   relating : Event;                                 3068   relating : Event;
2148   related : Event;                                  3069   related : Event;
2149 WHERE                                                3070 WHERE
2150   WR1: relating :<>: related;                       3071   WR1: relating :<>: related;
2151 END_ENTITY;                                          3072 END_ENTITY;
2152                                                      3073
2153 ENTITY ExchangeContext;                              3074 ENTITY ExchangeContext;
2154   description : OPTIONAL DescriptorSelect;          3075   description : OPTIONAL DescriptorSelect;
2155   identificationContext : OPTIONAL IdentificationCon 3076   identificationContext : OPTIONAL IdentificationCon
2156   language : OPTIONAL Language;                      3077   language : OPTIONAL Language;
2157 WHERE                                                3078 WHERE
2158   WR1: EXISTS(language) OR EXISTS (identificationCon 3079   WR1: EXISTS(language) OR EXISTS (identificationCon
2159 END_ENTITY;                                          3080 END_ENTITY;
2160                                                      3081
2161 ENTITY ExchangeContextClassLibrary;                  3082 ENTITY ExchangeContextClassLibrary;
2162   id : Uri;                                         3083   id : Uri;
2163 UNIQUE                                               3084 UNIQUE
2164   UR1: id;                                          3085   UR1: id;
2165 END_ENTITY;                                          3086 END_ENTITY;
2166                                                      3087
2167 ENTITY ExpandedUncertainty                           3088 ENTITY ExpandedUncertainty
2168   SUBTYPE OF(StandardUncertainty);                  3089   SUBTYPE OF(StandardUncertainty);
2169   coverageFactor : REAL;                            3090   coverageFactor : REAL;
2170 END_ENTITY;                                          3091 END_ENTITY;
2171                                                      3092
2172 ENTITY ExplicitTransformation2d
2173   SUBTYPE OF(Transformation2d);
2174   axis1 : OPTIONAL Direction;
2175   axis2 : OPTIONAL Direction;
2176   localOrigin : CartesianPoint;
2177 END_ENTITY;
2178
2179 ENTITY ExplicitTransformation3d
2180   SUBTYPE OF(Transformation3d);
2181   axis1 : OPTIONAL Direction;
2182   axis2 : OPTIONAL Direction;
2183   axis3 : OPTIONAL Direction;
2184   localOrigin : CartesianPoint;
2185 END_ENTITY;
2186
2187 ENTITY ExternalAdvancedBrepShapeRepresentation       3093 ENTITY ExternalAdvancedBrepShapeRepresentation
2188   SUBTYPE OF(ExternalRepresentation);               3094   SUBTYPE OF(ExternalGeometricModel);
2189 END_ENTITY;                                          3095 END_ENTITY;
2190                                                      3096
2191 ENTITY ExternalClass;                                3097 ENTITY ExternalClass;
2192   id : SingleIdentifierSelect;                      3098   id : SingleIdentifierSelect;
2193   description : OPTIONAL DescriptorSelect;          3099   description : OPTIONAL DescriptorSelect;
2194   source : OPTIONAL ExternalSourceSelect;           3100   source : OPTIONAL ExternalSourceSelect;
2195 UNIQUE                                               3101 UNIQUE
2196   UR1: id, source;                                  3102   UR1: id, source;
2197 END_ENTITY;                                          3103 END_ENTITY;
2198                                                      3104
2199 ENTITY ExternalClassSystem;                          3105 ENTITY ExternalClassSystem;
2200   id : SingleIdentifierSelect;                      3106   id : SingleIdentifierSelect;
2201   description : OPTIONAL DescriptorSelect;          3107   description : OPTIONAL DescriptorSelect;
2202   source : OPTIONAL ExternalSourceSelect;           3108   source : OPTIONAL ExternalSourceSelect;
2203 INVERSE                                              3109 INVERSE
2204   allowedClasses : SET[1:?] OF Class FOR definedIn; 3110   allowedClasses : SET[1:?] OF Class FOR definedIn;
2205 UNIQUE                                               3111 UNIQUE
2206   UR1: id, source;                                  3112   UR1: id, source;
2207 END_ENTITY;                                          3113 END_ENTITY;
2208                                                      3114
2209 ENTITY ExternalCompositeCurveOnSurface
2210   SUBTYPE OF(ExternalRepresentationItem);
2211 END_ENTITY;
2212
2213 ENTITY ExternalCsgShapeRepresentation                3115 ENTITY ExternalCsgShapeRepresentation
2214   SUBTYPE OF(ExternalRepresentation);               3116   SUBTYPE OF(ExternalGeometricModel);
2215 END_ENTITY;
2216
2217 ENTITY ExternalCurve
2218   SUBTYPE OF(ExternalRepresentationItem);
2219 END_ENTITY;                                          3117 END_ENTITY;
2220                                                      3118
2221 ENTITY ExternalCurveSweptSolidShapeRepresentation    3119 ENTITY ExternalCurveSweptSolidShapeRepresentation
2222   SUBTYPE OF(ExternalRepresentation);               3120   SUBTYPE OF(ExternalGeometricModel);
2223 END_ENTITY;
2224
2225 ENTITY ExternalDegeneratePcurve
2226   SUBTYPE OF(ExternalRepresentationItem);
```

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2227 END_ENTITY;	3121 END_ENTITY;
2228	3122
2229 ENTITY ExternalEdgeBasedWireframeShapeRepresentation	3123 ENTITY ExternalEdgeBasedWireframeShapeRepresentation
2230 SUBTYPE OF(ExternalRepresentation);	3124 SUBTYPE OF(ExternalGeometricModel);
2231 END_ENTITY;	3125 END_ENTITY;
2232	3126
2233 ENTITY ExternalElementaryBrepShapeRepresentation	3127 ENTITY ExternalElementaryBrepShapeRepresentation
2234 SUBTYPE OF(ExternalRepresentation);	3128 SUBTYPE OF(ExternalGeometricModel);
2235 END_ENTITY;	3129 END_ENTITY;
2236	3130
2237 ENTITY ExternalFacetedBrepShapeRepresentation	3131 ENTITY ExternalFacetedBrepShapeRepresentation
2238 SUBTYPE OF(ExternalRepresentation);	3132 SUBTYPE OF(ExternalGeometricModel);
2239 END_ENTITY;	3133 END_ENTITY;
2240	3134
2241 ENTITY ExternalGeometricallyBoundedSurfaceShapeRepre	3135 ENTITY ExternalGeometricallyBoundedSurfaceShapeRepre
2242 SUBTYPE OF(ExternalRepresentation);	3136 SUBTYPE OF(ExternalGeometricModel);
2243 END_ENTITY;	3137 END_ENTITY;
2244	3138
2245 ENTITY ExternalGeometricallyBoundedWireframeShapeRep	3139 ENTITY ExternalGeometricallyBoundedWireframeShapeRep
2246 SUBTYPE OF(ExternalRepresentation);	3140 SUBTYPE OF(ExternalGeometricModel);
2247 END_ENTITY;	3141 END_ENTITY;
2248	3142
2249 ENTITY ExternalGeometricModel	3143 ENTITY ExternalGeometricModel
	3144 SUPERTYPE OF(ONEOF(ExternalAdvancedBrepShapeRepres
2250 SUBTYPE OF(GeometricModel);	3145 SUBTYPE OF(GeometricModel);
2251 accuracyType : OPTIONAL ClassSelect;	3146 externalFile : DigitalFile;
2252 accuracyValue : OPTIONAL REAL;	3147 SELF\GeometricRepresentation.items : SET[1:?] OF A
2253 definedAs : DigitalFile;	
2254 SELF\GeometricModel.modelElements : SET[1:1] OF Co	
2255 parameterValues : OPTIONAL SET[1:?] OF PropertyVal	3148 parameterValues : OPTIONAL SET[1:?] OF PropertyVal
2256 END_ENTITY;	3149 END_ENTITY;
2257	3150
2258 ENTITY ExternalItem	3151 ENTITY ExternalItem;
2259 SUPERTYPE OF(ONEOF(ExternalRepresentationItem));	
2260 id : SingleIdentifierSelect;	3152 id : SingleIdentifierSelect;
2261 description : OPTIONAL DescriptorSelect;	3153 description : OPTIONAL DescriptorSelect;
2262 source : OPTIONAL ExternalSourceSelect;	3154 source : OPTIONAL ExternalSourceSelect;
2263 UNIQUE	3155 UNIQUE
2264 UR1: id, source;	3156 UR1: id, source;
2265 END_ENTITY;	3157 END_ENTITY;
2266	3158
2267 ENTITY ExternalLoop	
2268 SUBTYPE OF(ExternalRepresentationItem);	
2269 END_ENTITY;	
2270	
2271 ENTITY ExternalManifoldSurfaceShapeRepresentation	3159 ENTITY ExternalManifoldSurfaceShapeRepresentation
2272 SUBTYPE OF(ExternalRepresentation);	3160 SUBTYPE OF(ExternalGeometricModel);
2273 END_ENTITY;	
2274	
2275 ENTITY ExternalOrientedSurface	
2276 SUBTYPE OF(ExternalRepresentationItem);	
2277 END_ENTITY;	3161 END_ENTITY;
2278	3162
2279 ENTITY ExternalOwlClass;	3163 ENTITY ExternalOwlClass;
2280 class : Uri;	3164 class : Uri;
2281 UNIQUE	3165 UNIQUE
2282 UR1: class;	3166 UR1: class;
2283 END_ENTITY;	3167 END_ENTITY;
2284	3168
2285 ENTITY ExternalOwlObject;	3169 ENTITY ExternalOwlObject;
2286 individual : Uri;	3170 individual : Uri;
2287 UNIQUE	3171 UNIQUE
2288 UR1: individual;	3172 UR1: individual;
2289 END_ENTITY;	3173 END_ENTITY;
2290	3174
2291 ENTITY ExternalPcurve	
2292 SUBTYPE OF(ExternalRepresentationItem);	
2293 END_ENTITY;	
2294	
2295 ENTITY ExternalPointOnCurve	
2296 SUBTYPE OF(DetailedGeometricModelElement);	
2297 supportingCurve : ExternalCurve;	
2298 threeDGeometry : ExternalRepresentationItem;	
2299 END_ENTITY;	
2300	
2301 ENTITY ExternalPointOnSurface	
2302 SUBTYPE OF(DetailedGeometricModelElement);	
2303 threeDGeometry : ExternalRepresentationItem;	
2304 END_ENTITY;	
2305	
2306 ENTITY ExternalPointPath	
2307 SUBTYPE OF(ExternalRepresentationItem);	
2308 END_ENTITY;	
2309	
2310 ENTITY ExternalPropertyDefinition;	3175 ENTITY ExternalPropertyDefinition;
2311 classifiedAs : OPTIONAL SET[1:?] OF Classification	3176 classifiedAs : OPTIONAL SET[1:?] OF Classification
2312 allowedUnits : OPTIONAL SET[1:?] OF UnitSelect;	3177 allowedUnits : OPTIONAL SET[1:?] OF UnitSelect;
	3178 definition : ProxyItemSelect;
2313 sameAs : SET[1:?] OF ProxySelect;	3179 sameAs : SET[1:?] OF ProxySelect;
2314 UNIQUE	3180 UNIQUE
2315 UR1: sameAs;	3181 UR1: sameAs;
2316 END_ENTITY;	3182 END_ENTITY;

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2317	3183
2318 ENTITY ExternalRepresentation	
2319 SUPERTYPE OF(ONEOF(ExternalAdvancedBrepShapeRepres	
2320 id : IdentifierSelect;	
2321 name : OPTIONAL DescriptorSelect;	
2322 description : OPTIONAL DescriptorSelect;	
2323 definedAs : DigitalFile;	
2324 modelElement : OPTIONAL SET [1:?] OF ExternalRepre	
2325 END_ENTITY;	
2326	
2327 ENTITY ExternalRepresentationItem	3184 ENTITY ExternalRepresentationItem
2328 SUPERTYPE OF(ONEOF(ExternalCompositeCurveOnSurface	3185 SUBTYPE OF(RepresentationItem);
2329 SUBTYPE OF(ExternalItem);	3186 SELF\RepresentationItem.external : ExternalItem;
2330 name : DescriptorSelect;	
2331 DERIVE	
2332 SELF\ExternalItem.source : DigitalFile := definedI	
2333 INVERSE	
2334 definedIn : ExternalRepresentation FOR modelElemen	
2335 END_ENTITY;	3187 END_ENTITY;
2336	3188
2337 ENTITY ExternalShellBasedWireframeShapeRepresentatio	3189 ENTITY ExternalShellBasedWireframeShapeRepresentatio
2338 SUBTYPE OF(ExternalRepresentation);	3190 SUBTYPE OF(ExternalGeometricModel);
2339 END_ENTITY;	
2340	
2341 ENTITY ExternalSurface	
2342 SUBTYPE OF(ExternalRepresentationItem);	
2343 END_ENTITY;	
2344	
2345 ENTITY ExternalSurfaceCurve	
2346 SUBTYPE OF(ExternalRepresentationItem);	
2347 END_ENTITY;	3191 END_ENTITY;
2348	3192
2349 ENTITY ExternalTessellatedShapeRepresentation	3193 ENTITY ExternalTessellatedShapeRepresentation
2350 SUBTYPE OF(ExternalRepresentation);	3194 SUBTYPE OF(ExternalGeometricModel);
2351 END_ENTITY;	
2352	
2353 ENTITY ExternalRectangularTrimmedSurface	
2354 SUBTYPE OF (ExternalSurface);	
2355 END_ENTITY;	3195 END_ENTITY;
2356	3196
2357 ENTITY ExternalTrimmedCurve	
2358 SUBTYPE OF (ExternalCurve);	
2359 END_ENTITY;	
2360	
2361 ENTITY ExternalTypeQualifier;	3197 ENTITY ExternalTypeQualifier;
2362 sameAs : OPTIONAL ProxySelect;	3198 sameAs : OPTIONAL ProxySelect;
2363 END_ENTITY;	3199 END_ENTITY;
2364	3200
2365 ENTITY ExternalUnit;	3201 ENTITY ExternalUnit;
2366 classifiedAs : OPTIONAL SET[1:?] OF Classification	3202 classifiedAs : OPTIONAL SET[1:?] OF Classification
	3203 definition : ProxyItemSelect;
2367 sameAs : SET[1:?] OF ProxySelect;	3204 sameAs : SET[1:?] OF ProxySelect;
2368 UNIQUE	3205 UNIQUE
2369 UR1: sameAs;	3206 UR1: sameAs;
2370 END_ENTITY;	3207 END_ENTITY;
2371	3208
2372 ENTITY FaceBasedSheetRepresentation	3209 ENTITY FaceBasedSheetRepresentation
2373 SUBTYPE OF(CompositeSheetRepresentation);	3210 SUBTYPE OF(CompositeSheetRepresentation);
2374 faceSurface : ExternalSurface;	3211 faceSurface : Surface;
2375 innerBounds : OPTIONAL SET[1:?] OF ExternalLoop;	3212 innerBounds : OPTIONAL SET[1:?] OF Loop;
2376 outerBound : ExternalLoop;	3213 outerBound : Loop;
2377 END_ENTITY;	3214 END_ENTITY;
2378	3215
2379 ENTITY FilamentLaminate	3216 ENTITY FilamentLaminate
2380 SUBTYPE OF(ConstituentPart);	3217 SUBTYPE OF(ConstituentPart);
2381 madeFrom : StockMaterial;	3218 madeFrom : StockMaterial;
2382 shapeCrossSection : OPTIONAL ShapeDescriptionAssoc	3219 shapeCrossSection : OPTIONAL GeometricModel;
2383 WHERE	3220 WHERE
2384 WR1 : SELF.madeFrom.stockMaterialType = filament_a	3221 WR1 : SELF.madeFrom.stockMaterialType = filament_a
2385 END_ENTITY;	3222 END_ENTITY;
2386	3223
2387 ENTITY File	3224 ENTITY File
2388 ABSTRACT	3225 ABSTRACT
2389 SUPERTYPE OF(ONEOF(DigitalFile, Hardcopy));	3226 SUPERTYPE OF(ONEOF(DigitalFile, Hardcopy));
2390 id : OPTIONAL IdentifierSelect;	3227 id : OPTIONAL IdentifierSelect;
2391 description : OPTIONAL DescriptorSelect;	3228 description : OPTIONAL DescriptorSelect;
2392 versionId : OPTIONAL IdentifierSelect;	3229 versionId : OPTIONAL IdentifierSelect;
2393 classifiedAs : OPTIONAL SET[1:?] OF Classification	3230 classifiedAs : OPTIONAL SET[1:?] OF Classification
2394 fileType : OPTIONAL ClassSelect;	3231 fileType : OPTIONAL ClassSelect;
2395 fileContent : OPTIONAL ContentProperty;	3232 fileContent : OPTIONAL ContentProperty;
2396 fileCreation : OPTIONAL CreationProperty;	3233 fileCreation : OPTIONAL CreationProperty;
2397 fileFormat : OPTIONAL FormatProperty;	3234 fileFormat : OPTIONAL FormatProperty;
2398 fileSize : OPTIONAL SizeProperty;	3235 fileSize : OPTIONAL SizeProperty;
2399 locations : OPTIONAL SET[1:?] OF ExternalItem;	3236 locations : OPTIONAL SET[1:?] OF ExternalItem;
2400 END_ENTITY;	3237 END_ENTITY;
2401	3238
	3239 ENTITY FileRelationship;
	3240 id : OPTIONAL IdentifierSelect;
	3241 description : OPTIONAL DescriptorSelect;
	3242 classifiedAs : OPTIONAL SET[1:?] OF Classification
	3243 relationType : ClassSelect;
	3244 relating : File;

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	3245 related : File;
	3246 WHERE
	3247 WR1: relating :<>: related;
	3248 END_ENTITY;
	3249
2402 ENTITY FinalSolution	3250 ENTITY FinalSolution
2403 SUBTYPE OF(AlternativeSolution);	3251 SUBTYPE OF(AlternativeSolution);
2404 specifications : SET[1:?] OF FinalDefinitionSelect	3252 specifications : SET[1:?] OF FinalDefinitionSelect
2405 status : ClassSelect;	3253 status : ClassSelect;
2406 END_ENTITY;	3254 END_ENTITY;
2407	3255
2408 ENTITY FormatProperty;	3256 ENTITY FormatProperty;
2409 id : OPTIONAL IdentifierSelect;	3257 id : OPTIONAL IdentifierSelect;
2410 description : OPTIONAL DescriptorSelect;	3258 description : OPTIONAL DescriptorSelect;
2411 characterCode : OPTIONAL ClassSelect;	3259 characterCode : OPTIONAL ClassSelect;
2412 dataFormat : OPTIONAL ClassSelect;	3260 dataFormat : OPTIONAL ClassSelect;
2413 sizeFormat : OPTIONAL RectangularSize;	3261 sizeFormat : OPTIONAL RectangularSize;
2414 END_ENTITY;	3262 END_ENTITY;
2415	3263
2416 ENTITY FrozenAssignment;	3264 ENTITY FrozenAssignment;
2417 frozenObject : SET[1:?] OF DeltaChangeManagementOb	3265 frozenObject : SET[1:?] OF DeltaChangeManagementOb
2418 END_ENTITY;	3266 END_ENTITY;
2419	3267
2420 ENTITY FunctionalBreakdown	3268 ENTITY FunctionalBreakdown
2421 SUBTYPE OF(Breakdown);	3269 SUBTYPE OF(Breakdown);
2422 DERIVE	3270 DERIVE
2423 SELF\Breakdown.breakdownType : ClassString := 'fun	3271 SELF\Breakdown.breakdownType : ClassString := 'fun
2424 END_ENTITY;	3272 END_ENTITY;
2425	3273
2426 ENTITY FunctionalBreakdownElementViewAssociation;	3274 ENTITY FunctionalBreakdownElementViewAssociation;
2427 description : OPTIONAL DescriptorSelect;	3275 description : OPTIONAL DescriptorSelect;
2428 classifiedAs : OPTIONAL SET[1:?] OF Classification	3276 classifiedAs : OPTIONAL SET[1:?] OF Classification
2429 role : ClassSelect;	3277 role : ClassSelect;
2430 associatedFunctionalElement : BreakdownElementView	3278 associatedFunctionalElement : BreakdownElementView
2431 associatedPhysicalElement : PhysicalElementSelect;	3279 associatedPhysicalElement : PhysicalElementSelect;
2432 END_ENTITY;	3280 END_ENTITY;
2433	3281
2434 ENTITY GeneralShapeDependentProperty	3282 ENTITY GeneralShapeDependentProperty
2435 SUBTYPE OF(ShapeDependentProperty);	3283 SUBTYPE OF(ShapeDependentProperty);
2436 propertyType : PropertyDefinitionSelect;	3284 propertyType : PropertyDefinitionSelect;
2437 propertyValue : PropertyValueSelect;	3285 propertyValue : PropertyValueSelect;
2438 unit : OPTIONAL Unit;	3286 unit : OPTIONAL Unit;
2439 END_ENTITY;	3287 END_ENTITY;
2440	3288
2441 ENTITY GeometricalRelationship	3289 ENTITY GeometricalRelationship
2442 SUBTYPE OF(PartViewRelationship);	3290 SUBTYPE OF(PartViewRelationship);
2443 placement : TransformationSelect;	3291 placement : GeometricRepresentationRelationshipWit
2444 DERIVE	3292 DERIVE
2445 SELF\PartViewRelationship.relationType : ClassStri	3293 SELF\PartViewRelationship.relationType : ClassStri
2446 END_ENTITY;	3294 END_ENTITY;
2447	3295
2448 ENTITY GeometricCoordinateSpace;	3296 ENTITY GeometricCoordinateSpace;
2449 id : IdentifierSelect;	3297 id : IdentifierSelect;
2450 coordinateType : CoordinateTypeEnum;	
2451 accuracies : OPTIONAL SET[1:?] OF MeasureQualifica	3298 accuracies : OPTIONAL SET[1:?] OF MeasureQualifica
2452 dimensionality : INTEGER;	3299 dimensionCount : INTEGER;
2453 units : OPTIONAL SET[1:?] OF Unit;	3300 units : OPTIONAL SET[1:?] OF Unit;
2454 WHERE	3301 WHERE
2455 WR1: dimensionality > 0;	3302 WR1: dimensionCount > 0;
2456 END_ENTITY;	3303 END_ENTITY;
2457	3304
2458 ENTITY GeometricModel	3305 ENTITY GeometricModel
2459 SUPERTYPE OF(ONEOF(ExternalGeometricModel))	3306 SUPERTYPE OF(ONEOF(ComposedGeometricModel, Externa
2460 SUBTYPE OF(TemplateDefinition);	3307 SUBTYPE OF(GeometricRepresentation);
	3308 modelExtent : OPTIONAL LengthMeasure;
	3309 END_ENTITY;
	3310
	3311 ENTITY GeometricRepresentation
	3312 ABSTRACT
	3313 SUPERTYPE OF(ONEOF(ConstituentShapeRepresentation,
2461 id : IdentifierSelect;	3314 id : IdentifierSelect;
2462 name : OPTIONAL DescriptorSelect;	3315 name : OPTIONAL DescriptorSelect;
2463 description : OPTIONAL DescriptorSelect;	3316 description : OPTIONAL DescriptorSelect;
2464 versionId : OPTIONAL IdentifierSelect;	3317 versionId : OPTIONAL IdentifierSelect;
2465 classifiedAs : OPTIONAL SET[1:?] OF Classification	3318 classifiedAs : OPTIONAL SET[1:?] OF Classification
2466 geometryType : OPTIONAL SET[1:?] OF ClassSelect;	3319 contextOfItems : GeometricCoordinateSpace;
2467 definedIn : GeometricCoordinateSpace;	3320 items : SET[1:?] OF RepresentationItem;
2468 modelElements : SET[1:?] OF DetailedGeometricModel	3321 representationTypes : OPTIONAL SET[1:?] OF ClassSe
2469 modelExtent : OPTIONAL LengthMeasure;	
2470 END_ENTITY;	3322 END_ENTITY;
2471	3323
2472 ENTITY GeometricModelRelationship;	3324 ENTITY GeometricRepresentationRelationship
	3325 ABSTRACT
	3326 SUPERTYPE OF(ONEOF(GeometricRepresentationRelation
2473 description : OPTIONAL DescriptorSelect;	3327 description : OPTIONAL DescriptorSelect;
2474 classifiedAs : OPTIONAL SET[1:?] OF Classification	3328 classifiedAs : OPTIONAL SET[1:?] OF Classification
2475 relationType : ClassSelect;	3329 relating : GeometricRepresentation;
2476 relating : GeometricModel;	3330 related : GeometricRepresentation;
2477 related : GeometricModel;	3331 definitional : BOOLEAN;
2478 placement : OPTIONAL Transformation;	3332 END_ENTITY;
	3333
	3334 ENTITY GeometricRepresentationRelationshipWithCartes

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	3335 SUBTYPE OF(GeometricRepresentationRelationship);
	3336 transformation : CartesianTransformation;
2479 WHERE	3337 WHERE
2480 WR1: relating :<>: related;	3338 WR1: SELF\GeometricRepresentationRelationship.rela
2481 END_ENTITY;	3339 END_ENTITY;
2482	3340
	3341 ENTITY GeometricRepresentationRelationshipWithPlacem
	3342 SUBTYPE OF(GeometricRepresentationRelationship);
	3343 origin : AxisPlacement;
	3344 target : AxisPlacement;
	3345 WHERE
	3346 WR1: SELF\GeometricRepresentationRelationship.rela
	3347 END_ENTITY;
	3348
	3349 ENTITY GeometricRepresentationRelationshipWithSameCo
	3350 SUBTYPE OF(GeometricRepresentationRelationship);
	3351 WHERE
	3352 WR1: SELF\GeometricRepresentationRelationship.rela
	3353 END_ENTITY;
	3354
2483 ENTITY GeometricSheetRepresentation	3355 ENTITY GeometricSheetRepresentation
2484 SUBTYPE OF(CompositeSheetRepresentation);	3356 SUBTYPE OF(CompositeSheetRepresentation);
2485 basisSurface : ExternalSurface;	3357 basisSurface : Surface;
2486 cutouts : OPTIONAL SET[1:?] OF BoundaryCurveRepres	3358 cutouts : OPTIONAL SET[1:?] OF BoundaryCurveRepres
2487 outerEdge : BoundaryCurveRepresentation;	3359 outerEdge : BoundaryCurveRepresentation;
2488 END_ENTITY;	3360 END_ENTITY;
2489	3361
2490 ENTITY Hardcopy	3362 ENTITY Hardcopy
2491 SUBTYPE OF(File);	3363 SUBTYPE OF(File);
2492 END_ENTITY;	3364 END_ENTITY;
2493	3365
2494 ENTITY HighOrderKinematicPair	3366 ENTITY HighOrderKinematicPair
2495 SUBTYPE OF (KinematicPair);	3367 SUBTYPE OF(KinematicPair);
2496 kind : HighOrderKinematicPairType;	
2497 model1 : ExternalGeometricModel;	
2498 model2 : OPTIONAL ExternalGeometricModel;	
2499 curveOrSurface1 : ExternalCurveOrSurfaceSelect;	3368 curveOrSurface1 : ExternalCurveOrSurfaceSelect;
2500 curveOrSurface2 : OPTIONAL ExternalCurveOrSurfaceS	3369 curveOrSurface2 : OPTIONAL ExternalCurveOrSurfaceS
	3370 kind : HighOrderKinematicPairTypeEnum;
	3371 lowerLimitPitch : OPTIONAL PlaneAngleMeasure;
	3372 lowerLimitRoll : OPTIONAL PlaneAngleMeasure;
	3373 lowerLimitYaw : OPTIONAL PlaneAngleMeasure;
	3374 model1 : ExternalGeometricModel;
	3375 model2 : OPTIONAL ExternalGeometricModel;
2501 orientation : OPTIONAL BOOLEAN;	3376 orientation : OPTIONAL BOOLEAN;
2502 range1 : OPTIONAL ExternalTrimmedCurveOrSurfaceSel	3377 range1 : OPTIONAL ExternalTrimmedCurveOrSurfaceSel
2503 range2 : OPTIONAL ExternalTrimmedCurveOrSurfaceSel	3378 range2 : OPTIONAL ExternalTrimmedCurveOrSurfaceSel
2504 lowerLimitYaw : OPTIONAL PlaneAngleMeasure;	
2505 upperLimitYaw : OPTIONAL PlaneAngleMeasure;	
2506 lowerLimitPitch : OPTIONAL PlaneAngleMeasure;	
2507 upperLimitPitch : OPTIONAL PlaneAngleMeasure;	3379 upperLimitPitch : OPTIONAL PlaneAngleMeasure;
2508 lowerLimitRoll : OPTIONAL PlaneAngleMeasure;	
2509 upperLimitRoll : OPTIONAL PlaneAngleMeasure;	3380 upperLimitRoll : OPTIONAL PlaneAngleMeasure;
	3381 upperLimitYaw : OPTIONAL PlaneAngleMeasure;
2510 END_ENTITY;	3382 END_ENTITY;
2511	3383
2512 ENTITY Identifier;	3384 ENTITY Identifier;
	3385 id : IdentifierString;
2513 classifiedAs : OPTIONAL SET[1:?] OF Classification	3386 classifiedAs : OPTIONAL SET[1:?] OF Classification
2514 role : ClassSelect;	3387 role : ClassSelect;
2515 idString : IdentifierString;	3388 context : OPTIONAL IdentificationContextSelect;
2516 identificationContext : OPTIONAL IdentificationCon	
2517 UNIQUE	3389 UNIQUE
2518 UR1: idString, role, identificationContext;	3390 UR1: id, role, context;
2519 WHERE	3391 WHERE
2520 ContextlessForOrganizationOnly: NOT (NOT EXISTS(id	3392 ContextlessForOrganizationOnly: NOT (NOT EXISTS(co
2521 END_ENTITY;	3393 END_ENTITY;
2522	3394
2523 ENTITY IdentifierRelationship;	3395 ENTITY IdentifierRelationship;
	3396 id : OPTIONAL IdentifierSelect;
2524 description : OPTIONAL DescriptorSelect;	3397 description : OPTIONAL DescriptorSelect;
2525 classifiedAs : OPTIONAL SET[1:?] OF Classification	3398 classifiedAs : OPTIONAL SET[1:?] OF Classification
2526 relationType : ClassSelect;	3399 relationType : ClassSelect;
2527 relating : Identifier;	3400 relating : Identifier;
2528 related : Identifier;	3401 related : Identifier;
2529 WHERE	3402 WHERE
2530 WR1: relating :<>: related;	3403 WR1: relating :<>: related;
2531 END_ENTITY;	3404 END_ENTITY;
2532	3405
2533 ENTITY ImplicitTransformation2d	
2534 SUBTYPE OF(Transformation2d);	
2535 origin : CoordinateSystem;	
2536 target : CoordinateSystem;	
2537 END_ENTITY;	
2538	
2539 ENTITY ImplicitTransformation3d	
2540 SUBTYPE OF(Transformation3d);	
2541 origin : CoordinateSystem;	
2542 target : CoordinateSystem;	
2543 END_ENTITY;	
2544	
2545 ENTITY IndividualAssemblyRelationship;	3406 ENTITY IndividualAssemblyRelationship;

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	3407 id : OPTIONAL IdentifierSelect;
2546 description : OPTIONAL DescriptorSelect;	3408 description : OPTIONAL DescriptorSelect;
2547 classifiedAs : OPTIONAL SET[1:?] OF Classification	3409 classifiedAs : OPTIONAL SET[1:?] OF Classification
2548 relating : IndividualPartView;	3410 relating : IndividualPartView;
2549 related : IndividualPartView;	3411 related : IndividualPartView;
2550 DERIVE	3412 DERIVE
2551 relationType : ClassString := 'next assembly view'	3413 relationType : ClassString := 'next assembly view'
2552 INVERSE	3414 INVERSE
2553 isRealizationOf : AssemblyRealizationContextAssoci	3415 isRealizationOf : AssemblyRealizationContext FOR r
2554 WHERE	3416 WHERE
2555 WR1: relating :<>: related;	3417 WR1: relating :<>: related;
2556 END_ENTITY;	3418 END_ENTITY;
2557	3419
2558 ENTITY IndividualPart;	3420 ENTITY IndividualPart;
2559 id : IdentifierSelect;	3421 id : IdentifierSelect;
2560 name : DescriptorSelect;	3422 name : DescriptorSelect;
2561 description : OPTIONAL DescriptorSelect;	3423 description : OPTIONAL DescriptorSelect;
2562 classifiedAs : OPTIONAL SET[1:?] OF Classification	3424 classifiedAs : OPTIONAL SET[1:?] OF Classification
2563 sameAs : OPTIONAL SET[1:?] OF ProxySelect;	3425 sameAs : OPTIONAL SET[1:?] OF ProxySelect;
2564 versions : SET[1:?] OF IndividualPartVersion;	3426 versions : SET[1:?] OF IndividualPartVersion;
2565 END_ENTITY;	3427 END_ENTITY;
2566	3428
	3429 ENTITY IndividualPartRelationship;
	3430 id : OPTIONAL IdentifierSelect;
	3431 description : OPTIONAL DescriptorSelect;
	3432 classifiedAs : OPTIONAL SET[1:?] OF Classification
	3433 relationType : ClassSelect;
	3434 relating : IndividualPart;
	3435 related : IndividualPart;
	3436 WHERE
	3437 WR1: relating :<>: related;
	3438 END_ENTITY;
	3439
2567 ENTITY IndividualPartTestResult	3440 ENTITY IndividualPartTestResult
2568 SUBTYPE OF(MeasuredCharacteristic);	3441 SUBTYPE OF(MeasuredCharacteristic);
2569 testedPart : IndividualPartView;	3442 testedPart : IndividualPartView;
2570 END_ENTITY;	3443 END_ENTITY;
2571	3444
2572 ENTITY IndividualPartVersion;	3445 ENTITY IndividualPartVersion
	3446 SUPERTYPE OF(ONEOF(PlannedIndividualPart, Realized
2573 id : IdentifierSelect;	3447 id : IdentifierSelect;
2574 description : OPTIONAL DescriptorSelect;	3448 description : OPTIONAL DescriptorSelect;
2575 classifiedAs : OPTIONAL SET[1:?] OF Classification	3449 classifiedAs : OPTIONAL SET[1:?] OF Classification
2576 sameAs : OPTIONAL SET[1:?] OF ProxySelect;	3450 sameAs : OPTIONAL SET[1:?] OF ProxySelect;
2577 views : OPTIONAL SET[1:?] OF IndividualPartView;	3451 views : OPTIONAL SET[1:?] OF IndividualPartView;
2578 INVERSE	3452 INVERSE
2579 versionOf : IndividualPart FOR versions;	3453 versionOf : IndividualPart FOR versions;
2580 END_ENTITY;	3454 END_ENTITY;
2581	3455
2582 ENTITY IndividualPartVersionRelationship;	3456 ENTITY IndividualPartVersionRelationship;
	3457 id : OPTIONAL IdentifierSelect;
2583 description : OPTIONAL DescriptorSelect;	3458 description : OPTIONAL DescriptorSelect;
2584 classifiedAs : OPTIONAL SET[1:?] OF Classification	3459 classifiedAs : OPTIONAL SET[1:?] OF Classification
2585 relationType : ClassSelect;	3460 relationType : ClassSelect;
2586 relating : IndividualPartVersion;	3461 relating : IndividualPartVersion;
2587 related : IndividualPartVersion;	3462 related : IndividualPartVersion;
2588 WHERE	3463 WHERE
2589 WR1: relating :<>: related;	3464 WR1: relating :<>: related;
2590 END_ENTITY;	3465 END_ENTITY;
2591	3466
2592 ENTITY IndividualPartView;	3467 ENTITY IndividualPartView;
2593 id : OPTIONAL IdentifierSelect;	3468 id : OPTIONAL IdentifierSelect;
2594 description : OPTIONAL DescriptorSelect;	3469 description : OPTIONAL DescriptorSelect;
2595 classifiedAs : OPTIONAL SET[1:?] OF Classification	3470 classifiedAs : OPTIONAL SET[1:?] OF Classification
2596 additionalContexts : OPTIONAL SET[1:?] OF ViewCont	3471 additionalContexts : OPTIONAL SET[1:?] OF ViewCont
	3472 definingGeometry : OPTIONAL GeometricModel;
2597 initialContext : ViewContext;	3473 initialContext : ViewContext;
2598 sameAs : OPTIONAL SET[1:?] OF ProxySelect;	3474 sameAs : OPTIONAL SET[1:?] OF ProxySelect;
2599 INVERSE	3475 INVERSE
2600 viewOf : IndividualPartVersion FOR views;	3476 viewOf : IndividualPartVersion FOR views;
2601 END_ENTITY;	3477 END_ENTITY;
2602	3478
2603 ENTITY IndividualPartViewRelationship;	3479 ENTITY IndividualPartViewRelationship;
	3480 id : OPTIONAL IdentifierSelect;
2604 description : OPTIONAL DescriptorSelect;	3481 description : OPTIONAL DescriptorSelect;
2605 classifiedAs : OPTIONAL SET[1:?] OF Classification	3482 classifiedAs : OPTIONAL SET[1:?] OF Classification
2606 relationType : ClassSelect;	3483 relationType : ClassSelect;
2607 relating : IndividualPartView;	3484 relating : IndividualPartView;
2608 related : IndividualPartView;	3485 related : IndividualPartView;
2609 WHERE	3486 WHERE
2610 WR1: relating :<>: related;	3487 WR1: relating :<>: related;
2611 END_ENTITY;	3488 END_ENTITY;
2612	3489
2613 ENTITY InformationRight	3490 ENTITY InformationRight
2614 SUPERTYPE OF(ONEOF(Copyright));	3491 SUPERTYPE OF(ONEOF(Copyright));
2615 id : IdentifierSelect;	3492 id : IdentifierSelect;
2616 name : OPTIONAL DescriptorSelect;	3493 name : OPTIONAL DescriptorSelect;
2617 description : OPTIONAL DescriptorSelect;	3494 description : OPTIONAL DescriptorSelect;
2618 classifiedAs : OPTIONAL SET[1:?] OF Classification	3495 classifiedAs : OPTIONAL SET[1:?] OF Classification
2619 owners : SET[1:?] OF PersonOrOrganizationSelect;	3496 owners : SET[1:?] OF OrganizationOrPersonInOrganiz
2620 restriction : OPTIONAL MultiLingualStringSelect;	3497 restriction : OPTIONAL MultiLingualStringSelect;
2621 END_ENTITY;	3498 END_ENTITY;

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2622                                                    3499
2623 ENTITY InformationUsageRight;                      3500 ENTITY InformationUsageRight;
2624   id : IdentifierSelect;                           3501   id : IdentifierSelect;
2625   name : OPTIONAL DescriptorSelect;                3502   name : OPTIONAL DescriptorSelect;
2626   description : OPTIONAL DescriptorSelect;         3503   description : OPTIONAL DescriptorSelect;
2627   classifiedAs : OPTIONAL SET[1:?] OF Classification 3504   classifiedAs : OPTIONAL SET[1:?] OF Classification
2628   grantsRight : SET[1:?] OF InformationRight;      3505   grantsRight : SET[1:?] OF InformationRight;
2629   owners : SET[1:?] OF PersonOrOrganizationSelect; 3506   owners : SET[1:?] OF OrganizationOrPersonInOrganiz
2630 END_ENTITY;                                        3507 END_ENTITY;
2631                                                    3508
2632 ENTITY InformationUsageRightAssignment;            3509 ENTITY InformationUsageRightAssignment;
2633   id : OPTIONAL IdentifierSelect;                  3510   id : OPTIONAL IdentifierSelect;
2634   description : OPTIONAL DescriptorSelect;         3511   description : OPTIONAL DescriptorSelect;
2635   classifiedAs : OPTIONAL SET[1:?] OF Classification 3512   classifiedAs : OPTIONAL SET[1:?] OF Classification
2636   role : OPTIONAL ClassSelect;                     3513   role : OPTIONAL ClassSelect;
2637   assignedRight : InformationUsageRight;           3514   assignedRight : InformationUsageRight;
2638   isAssignedTo : SET[1:?] OF InformationUsageRightAs 3515   isAssignedTo : SET[1:?] OF InformationUsageRightAs
2639 END_ENTITY;                                        3516 END_ENTITY;
2640                                                    3517
2641 ENTITY InformationUsageRightRelationship;          3518 ENTITY InformationUsageRightRelationship;
                                                        3519   id : OPTIONAL IdentifierSelect;
2642   description : OPTIONAL SET[1:?] OF DescriptorSelec 3520   description : OPTIONAL SET[1:?] OF DescriptorSelec
2643   classifiedAs : OPTIONAL SET[1:?] OF Classification 3521   classifiedAs : OPTIONAL SET[1:?] OF Classification
2644   relationType : ClassSelect;                      3522   relationType : ClassSelect;
2645   relating : InformationUsageRight;                3523   relating : InformationUsageRight;
2646   related : InformationUsageRight;                 3524   related : InformationUsageRight;
2647 WHERE                                              3525 WHERE
2648   WR1: relating :<>: related;                      3526   WR1: relating :<>: related;
2649 END_ENTITY;                                        3527 END_ENTITY;
2650                                                    3528
2651 ENTITY InstancePlacement;                          3529 ENTITY InterpolatedConfigurationModel;
2652   placedInstance : SinglePartOccurrence;           3530   SUBTYPE OF(GeometricRepresentation);
2653   placement : TransformationSelect;                3531   SELF\GeometricRepresentation.items : null;
2654   referenceComponent : BreakdownElementView;
2655 END_ENTITY;
2656
2657 ENTITY InterpolatedConfigurationModel;
2658   id : IdentifierSelect;
2659   name : OPTIONAL DescriptorSelect;
2660   description : OPTIONAL DescriptorSelect;
2661   versionId : OPTIONAL IdentifierSelect;
2662   definedIn : GeometricCoordinateSpace;
2663   parameterUnit : Unit;                            3532   parameterUnit : Unit;
2664   synchronisedSequences : SET[1:?] OF InterpolatedCo
2665 END_ENTITY;
2666
2667 ENTITY InterpolatedConfigurationSequence;
2668   segments : LIST[2:?] OF InterpolatedConfigurationS
2669 END_ENTITY;                                        3533 END_ENTITY;
2670                                                    3534
2671 ENTITY InterpolatedConfigurationSegment;           3535 ENTITY InterpolatedConfigurationSegment;
                                                        3536   interpolation : InterpolationTypeEnum;
2672   state : MechanismState;                          3537   state : MechanismState;
2673   tParameter : ParameterValue;                     3538   tParameter : ParameterValue;
2674   interpolation : InterpolationType;
2675 END_ENTITY;                                        3539 END_ENTITY;
2676                                                    3540
2677 ENTITY InZoneAssociation;                          3541 ENTITY InterpolatedConfigurationSequence
                                                        3542   SUBTYPE OF(RepresentationItem);
                                                        3543   segments : LIST[2:?] OF InterpolatedConfigurationS
                                                        3544 END_ENTITY;
                                                        3545
                                                        3546 ENTITY InZone;
2678   description : OPTIONAL DescriptorSelect;          3547   description : OPTIONAL DescriptorSelect;
2679   classifiedAs : OPTIONAL SET[1:?] OF Classification 3548   classifiedAs : OPTIONAL SET[1:?] OF Classification
2680   locatedItem : InZoneSelect;                      3549   locatedItem : InZoneSelect;
2681   zone : BreakdownElementView;                     3550   zone : BreakdownElementView;
2682 END_ENTITY;                                        3551 END_ENTITY;
2683                                                    3552
2684 ENTITY KinematicLink;                              3553 ENTITY KinematicLink
2685   id : IdentifierSelect;                           3554   SUBTYPE OF(GeometricRepresentation);
2686   name : OPTIONAL DescriptorSelect;                3555   SELF\GeometricRepresentation.items : SET[1:?] OF A
2687   description : OPTIONAL DescriptorSelect;
2688   versionId : OPTIONAL IdentifierSelect;
2689   definedIn : GeometricCoordinateSpace;
2690   ofModel : OPTIONAL ExternalGeometricModel;        3556   ofModel : OPTIONAL ExternalGeometricModel;
2691   pairFrames : SET[1:?] OF CoordinateSystem;
2692 END_ENTITY;                                        3557 END_ENTITY;
2693                                                    3558
2694 ENTITY KinematicLinkToPartOccurrenceAssociation;   3559 ENTITY KinematicLinkToOccurrenceAssociation;
2695   associatedLink : KinematicLink;                  3560   associatedLink : KinematicLink;
2696   associatedTo : AssemblyOccurrenceRelationship;   3561   associatedTo : AssemblyOccurrenceRelationship;
2697 END_ENTITY;                                        3562 END_ENTITY;
2698                                                    3563
2699 ENTITY KinematicMechanismAssociation;              3564 ENTITY KinematicMechanismAssociation;
2700   associatedMechanism : Mechanism;                 3565   associatedMechanism : Mechanism;
2701   associatedTo : AssemblyDefinition;               3566   associatedTo : AssemblyDefinition;
2702   baseLink : KinematicLink;                         3567   baseLink : KinematicLink;
2703 UNIQUE                                             3568 UNIQUE
2704   ur1 : associatedTo;                              3569   ur1 : associatedTo;
2705 END_ENTITY;                                        3570 END_ENTITY;
2706                                                    3571
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2707 ENTITY KinematicPair	3572 ENTITY KinematicPair
2708 ABSTRACT SUPERTYPE OF (ONEOF (	3573 ABSTRACT
2709 LowOrderKinematicPair,	3574 SUPERTYPE OF(ONEOF(HighOrderKinematicPair, LowOrde
2710 LowOrderKinematicPairWithMotionCoupling,	3575 SUBTYPE OF(RepresentationItem);
2711 HighOrderKinematicPair));	3576 actuation : OPTIONAL ActuatedPair;
2712 link1 : KinematicLink;	3577 link1 : KinematicLink;
2713 link2 : KinematicLink;	3578 link2 : KinematicLink;
2714 pairFrame1 : CoordinateSystem;	3579 pairFrame1 : AxisPlacement;
2715 pairFrame2 : CoordinateSystem;	3580 pairFrame2 : AxisPlacement;
2716 actuation : OPTIONAL ActuatedPair;	
2717 END_ENTITY;	3581 END_ENTITY;
2718	3582
2719 ENTITY KinematicPairValue;	3583 ENTITY KinematicPairValue
2720 appliesToPair : KinematicPair;	3584 SUBTYPE OF(RepresentationItem);
	3585 actualPointOnCurve1 : OPTIONAL PointOnCurve;
	3586 actualPointOnCurve2 : OPTIONAL PointOnCurve;
	3587 actualPointOnSurface1 : OPTIONAL PointOnSurface;
	3588 actualPointOnSurface2 : OPTIONAL PointOnSurface;
	3589 actualRotation : OPTIONAL SimpleOrSpatialRotationS
2721 actualTranslation : OPTIONAL TranslationAlongAxes;	3590 actualTranslation : OPTIONAL TranslationAlongAxes;
2722 actualRotation : OPTIONAL SimpleOrSpatialRotation;	3591 appliesToPair : KinematicPair;
2723 actualPointOnCurve1 : OPTIONAL ExternalPointOnCurv	
2724 actualPointOnCurve2 : OPTIONAL ExternalPointOnCurv	
2725 actualPointOnSurface1 : OPTIONAL ExternalPointOnSu	
2726 actualPointOnSurface2 : OPTIONAL ExternalPointOnSu	
2727 END_ENTITY;	3592 END_ENTITY;
2728	3593
2729 ENTITY KinematicPathDefinedByNodes;	3594 ENTITY KinematicPathDefinedByNodes
2730 name : OPTIONAL DescriptorSelect;	3595 SUBTYPE OF(RepresentationItem);
2731 placementStart : CoordinateSystem;	3596 placementStart : AxisPlacement;
2732 representationContext : GeometricCoordinateSpace;	
2733 segments : LIST[1:?] OF PathSegment;	3597 segments : LIST[1:?] OF PathSegment;
2734 tStart : REAL;	3598 tStart : REAL;
2735 END_ENTITY;	3599 END_ENTITY;
2736	3600
2737 ENTITY LaidOrientationAngle	3601 ENTITY LaidOrientationAngle
2738 SUBTYPE OF(PlyOrientationAngle);	3602 SUBTYPE OF(PlyOrientationAngle);
2739 END_ENTITY;	3603 END_ENTITY;
2740	3604
2741 ENTITY LaminateTable	3605 ENTITY LaminateTable
2742 SUPERTYPE OF(ONEOF(CompositeAssemblyTable, PlyLami	3606 SUPERTYPE OF(ONEOF(CompositeAssemblyTable, PlyLami
2743 SUBTYPE OF(PartView);	3607 SUBTYPE OF(PartView);
2744 baseSurface : SurfaceWithDirection;	3608 baseSurface : SurfaceWithDirection;
2745 basis : ReinforcementOrientationBasis;	3609 basis : ReinforcementOrientationBasis;
2746 resultingSurface : OrientedSurfaceSelect;	3610 resultingSurface : Surface;
2747 WHERE	3611 WHERE
2748 SELF.initialcontext.applicationdomain = 'composite	3612 SELF.initialcontext.applicationdomain = 'composite
2749 END_ENTITY;	3613 END_ENTITY;
2750	3614
2751 ENTITY LifeCycleStage;	3615 ENTITY LifeCycleStage;
2752 sameAs : SET[1:?] OF ProxySelect;	3616 sameAs : SET[1:?] OF ProxySelect;
2753 UNIQUE	3617 UNIQUE
2754 UR1: sameAs;	3618 UR1: sameAs;
2755 END_ENTITY;	3619 END_ENTITY;
2756	3620
2757 ENTITY LinearPath	3621 ENTITY LinearPath
2758 SUBTYPE OF(PathSegment);	3622 SUBTYPE OF(PathSegment);
2759 END_ENTITY;	3623 END_ENTITY;
2760	3624
2761 ENTITY LinkMotionAlongPath;	3625 ENTITY LinkMotionAlongPath
2762 id : OPTIONAL IdentifierSelect;	3626 SUBTYPE OF(GeometricRepresentation);
2763 name : OPTIONAL DescriptorSelect;	3627 SELF\GeometricRepresentation.items : SET[1:?] OF K
2764 description : OPTIONAL DescriptorSelect;	
2765 items : SET[1:?] OF KinematicPathDefinedByNodes;	
2766 representationContext : GeometricCoordinateSpace;	
2767 timeUnit : OPTIONAL Unit;	3628 timeUnit : OPTIONAL Unit;
2768 END_ENTITY;	3629 END_ENTITY;
2769	3630
2770 ENTITY LinkMotionDecompositionRelationship;	3631 ENTITY LinkMotionDecompositionRelationship;
	3632 id : OPTIONAL IdentifierSelect;
2771 description : OPTIONAL DescriptorSelect;	3633 description : OPTIONAL DescriptorSelect;
2772 classifiedAs : OPTIONAL SET[1:?] OF Classification	3634 classifiedAs : OPTIONAL SET[1:?] OF Classification
2773 relating : LinkMotionAlongPath;	3635 relating : LinkMotionAlongPath;
2774 related : LinkMotionAlongPath;	3636 related : LinkMotionAlongPath;
2775 WHERE	3637 WHERE
2776 WR1: relating :<>: related;	3638 WR1: relating :<>: related;
2777 END_ENTITY;	3639 END_ENTITY;
2778	3640
2779 ENTITY LinkMotionRelationship;	3641 ENTITY LinkMotionRelationship;
	3642 id : OPTIONAL IdentifierSelect;
2780 description : OPTIONAL DescriptorSelect;	3643 description : OPTIONAL DescriptorSelect;
2781 classifiedAs : OPTIONAL SET[1:?] OF Classification	3644 classifiedAs : OPTIONAL SET[1:?] OF Classification
2782 relationType : ClassSelect;	3645 relationType : ClassSelect;
2783 relating : LinkMotionAlongPath;	3646 relating : LinkMotionAlongPath;
2784 related : GeometricModelOrExternalRepresentationSe	3647 related : ExternalGeometricModel;
2785 tranformationOperator : LinkMotionTransformation;	3648 tranformationOperator : LinkMotionTransformation;
2786 END_ENTITY;	3649 END_ENTITY;
2787	3650
2788 ENTITY LinkMotionTransformation;	3651 ENTITY LinkMotionTransformation;
2789 transformItem1 : CoordinateSystem;	3652 transformItem1 : AxisPlacement;
2790 transformItem2 : KinematicPathDefinedByNodes;	3653 transformItem2 : KinematicPathDefinedByNodes;
2791 END_ENTITY;	3654 END_ENTITY;

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2792	3655
2793 ENTITY LocalizedString;	3656 ENTITY LocalizedString;
2794 language : OPTIONAL Language;	3657 language : OPTIONAL Language;
2795 text : CharacterString;	3658 text : CharacterString;
2796 WHERE	3659 WHERE
2797 encapsulated: SIZEOF(USEDIN(SELF,''))=1;	3660 encapsulated: SIZEOF(USEDIN(SELF,''))=1;
2798 END_ENTITY;	3661 END_ENTITY;
2799	3662
	3663 ENTITY Loop
	3664 SUBTYPE OF(DetailedGeometricModelItem);
	3665 SELF\RepresentationItem.external : ExternalItem;
	3666 END_ENTITY;
	3667
	3668 ENTITY LotEffectivity
	3669 SUBTYPE OF(Effectivity);
	3670 lotSize : ValueWithUnit;
	3671 END_ENTITY;
	3672
2800 ENTITY LowOrderKinematicPair	3673 ENTITY LowOrderKinematicPair
2801 SUBTYPE OF (KinematicPair);	3674 SUBTYPE OF(KinematicPair);
2802 kind : LowOrderKinematicPairType;	3675 kind : LowOrderKinematicPairTypeEnum;
	3676 lowerLimitActualRotationX : OPTIONAL PlaneAngleMea
	3677 lowerLimitActualRotationY : OPTIONAL PlaneAngleMea
	3678 lowerLimitActualRotationZ : OPTIONAL PlaneAngleMea
2803 lowerLimitActualTranslationX : OPTIONAL LengthMeas	3679 lowerLimitActualTranslationX : OPTIONAL LengthMeas
2804 upperLimitActualTranslationX : OPTIONAL LengthMeas	
2805 lowerLimitActualTranslationY : OPTIONAL LengthMeas	3680 lowerLimitActualTranslationY : OPTIONAL LengthMeas
2806 upperLimitActualTranslationY : OPTIONAL LengthMeas	
2807 lowerLimitActualTranslationZ : OPTIONAL LengthMeas	3681 lowerLimitActualTranslationZ : OPTIONAL LengthMeas
2808 upperLimitActualTranslationZ : OPTIONAL LengthMeas	
2809 lowerLimitActualRotationX : OPTIONAL PlaneAngleMea	
2810 upperLimitActualRotationX : OPTIONAL PlaneAngleMea	3682 upperLimitActualRotationX : OPTIONAL PlaneAngleMea
2811 lowerLimitActualRotationY : OPTIONAL PlaneAngleMea	
2812 upperLimitActualRotationY : OPTIONAL PlaneAngleMea	3683 upperLimitActualRotationY : OPTIONAL PlaneAngleMea
2813 lowerLimitActualRotationZ : OPTIONAL PlaneAngleMea	
2814 upperLimitActualRotationZ : OPTIONAL PlaneAngleMea	3684 upperLimitActualRotationZ : OPTIONAL PlaneAngleMea
	3685 upperLimitActualTranslationX : OPTIONAL LengthMeas
	3686 upperLimitActualTranslationY : OPTIONAL LengthMeas
	3687 upperLimitActualTranslationZ : OPTIONAL LengthMeas
2815 END_ENTITY;	3688 END_ENTITY;
2816	3689
2817 ENTITY LowOrderKinematicPairWithMotionCoupling	3690 ENTITY LowOrderKinematicPairWithMotionCoupling
2818 SUBTYPE OF (KinematicPair);	3691 SUBTYPE OF(KinematicPair);
2819 kind : LowOrderKinematicPairWithMotionCouplingType	3692 bevel : OPTIONAL PlaneAngleMeasure;
	3693 gearRatio : OPTIONAL REAL;
	3694 helicalAngle : OPTIONAL PlaneAngleMeasure;
	3695 kind : LowOrderKinematicPairWithMotionCouplingType
	3696 lowerLimitActualRotation : OPTIONAL PlaneAngleMeas
	3697 lowerLimitRackDisplacement : OPTIONAL LengthMeasur
2820 pitch : OPTIONAL LengthMeasure;	3698 pitch : OPTIONAL LengthMeasure;
2821 radius1 : OPTIONAL LengthMeasure;	3699 radius1 : OPTIONAL LengthMeasure;
2822 radius2 : OPTIONAL LengthMeasure;	3700 radius2 : OPTIONAL LengthMeasure;
2823 lowerLimitRackDisplacement : OPTIONAL LengthMeasur	
2824 upperLimitRackDisplacement : OPTIONAL LengthMeasur	
2825 lowerLimitActualRotation : OPTIONAL PlaneAngleMeas	
2826 upperLimitActualRotation : OPTIONAL PlaneAngleMeas	3701 upperLimitActualRotation : OPTIONAL PlaneAngleMeas
2827 bevel : OPTIONAL PlaneAngleMeasure;	3702 upperLimitRackDisplacement : OPTIONAL LengthMeasur
2828 helicalAngle : OPTIONAL PlaneAngleMeasure;	
2829 gearRatio : OPTIONAL REAL;	
2830 END_ENTITY;	
2831	
2832 ENTITY LotConfiguration	
2833 SUBTYPE OF(ManufacturingConfiguration);	
2834 SELF\ManufacturingConfiguration.id : IdentifierSel	
2835 lotSize : ValueWithUnit;	
2836 END_ENTITY;	
2837	
2838 ENTITY LotEffectivity	
2839 SUBTYPE OF(Effectivity);	
2840 lotSize : ValueWithUnit;	
2841 END_ENTITY;	3703 END_ENTITY;
2842	3704
2843 ENTITY MakeFromRelationship	3705 ENTITY MakeFromRelationship
2844 SUBTYPE OF(PartViewRelationship);	3706 SUBTYPE OF(PartViewRelationship);
2845 priority : OPTIONAL INTEGER;	3707 priority : OPTIONAL INTEGER;
2846 quantity : OPTIONAL ValueWithUnit;	3708 quantity : OPTIONAL ValueWithUnit;
2847 DERIVE	3709 DERIVE
2848 SELF\PartViewRelationship.relationType : ClassStri	3710 SELF\PartViewRelationship.relationType : ClassStri
2849 END_ENTITY;	3711 END_ENTITY;
2850	3712
2851 ENTITY ManufacturingConfiguration	3713 ENTITY Market;
2852 ABSTRACT	
2853 SUPERTYPE OF(ONEOF(DatedConfiguration, LotConfigur	
2854 id : OPTIONAL IdentifierSelect;	3714 id : OPTIONAL IdentifierSelect;
2855 name : OPTIONAL DescriptorSelect;	3715 name : OPTIONAL DescriptorSelect;
2856 description : OPTIONAL DescriptorSelect;	
2857 classifiedAs : OPTIONAL SET[1:?] OF Classification	3716 classifiedAs : OPTIONAL SET[1:?] OF Classification
2858 concernedOrganizations : OPTIONAL SET[1:?] OF Orga	3717 marketSegmentType : OPTIONAL ClassSelect;
2859 configuredElement : PartOccurrence;	3718 sameAs : OPTIONAL SET[1:?] OF ProxySelect;
2860 isSolutionFor : ProductPartEquivalence;	
2861 END_ENTITY;	3719 END_ENTITY;
2862	3720

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Added(1455)	Deleted(440)	Changed(372)

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2863 ENTITY MatedPartAssociation	3721 ENTITY MatedPartAssociation
2864 SUBTYPE OF(NextAssemblyOccurrenceUsage);	3722 SUBTYPE OF(NextAssemblyOccurrenceUsage);
2865 SELF\AssemblyOccurrenceRelationship.relating : Mat	3723 SELF\AssemblyOccurrenceRelationship.relating : Mat
2866 END_ENTITY;	3724 END_ENTITY;
2867	3725
2868 ENTITY MatedPartRelationship;	3726 ENTITY MatedPartRelationship;
	3727 id : OPTIONAL IdentifierSelect;
2869 description : OPTIONAL DescriptorSelect;	3728 description : OPTIONAL DescriptorSelect;
2870 classifiedAs : OPTIONAL SET[1:?] OF Classification	3729 classifiedAs : OPTIONAL SET[1:?] OF Classification
2871 matingType : MatingTypeEnum;	3730 matingType : MatingTypeEnum;
2872 relating : MatedPartAssociation;	3731 relating : MatedPartAssociation;
2873 related : MatedPartAssociation;	3732 related : MatedPartAssociation;
2874 matedShapes : OPTIONAL SET[1:?] OF AssemblyJoint;	3733 matedShapes : OPTIONAL SET[1:?] OF AssemblyJoint;
2875 matingMaterials : OPTIONAL SET[1:?] OF QuantifiedP	3734 matingMaterials : OPTIONAL SET[1:?] OF QuantifiedO
2876 WHERE	3735 WHERE
2877 WR1: relating :<>: related;	3736 WR1: relating :<>: related;
2878 END_ENTITY;	3737 END_ENTITY;
2879	3738
2880 ENTITY MaterialIdentification;	3739 ENTITY MaterialIdentification;
2881 id : IdentifierSelect;	3740 id : IdentifierSelect;
	3741 classifiedAs : OPTIONAL SET[1:?] OF Classification
2882 assignedTo : SET[1:?] OF PropertyAssignmentSelect;	3742 assignedTo : SET[1:?] OF PropertyAssignmentSelect;
2883 END_ENTITY;	3743 END_ENTITY;
2884	3744
2885 ENTITY MaterialPropertyAssignment;	3745 ENTITY MaterialPropertyAssignment;
2886 id : OPTIONAL IdentifierSelect;	3746 id : OPTIONAL IdentifierSelect;
2887 description : OPTIONAL DescriptorSelect;	3747 description : OPTIONAL DescriptorSelect;
2888 classifiedAs : OPTIONAL SET[1:?] OF Classification	3748 classifiedAs : OPTIONAL SET[1:?] OF Classification
2889 role : ClassSelect;	3749 role : ClassSelect;
2890 assignedProperty : MaterialPropertyValue;	3750 assignedProperty : MaterialPropertyValue;
2891 assignedTo : MaterialIdentification;	3751 assignedTo : MaterialIdentification;
2892 definitional : OPTIONAL BOOLEAN;	3752 definitional : OPTIONAL BOOLEAN;
2893 END_ENTITY;	3753 END_ENTITY;
2894	3754
2895 ENTITY MaterialPropertyDefinition	3755 ENTITY MaterialPropertyDefinition
2896 SUBTYPE OF(PropertyDefinition);	3756 SUBTYPE OF(PropertyDefinition);
2897 name : DescriptorSelect;	3757 name : DescriptorSelect;
2898 END_ENTITY;	3758 END_ENTITY;
2899	3759
2900 ENTITY MaterialPropertyValue;	3760 ENTITY MaterialPropertyValue;
2901 definition : MaterialPropertyDefinition;	3761 definition : MaterialPropertyDefinition;
2902 environmentCondition : DataEnvironment;	3762 environmentCondition : DataEnvironment;
2903 materialValue : PropertyValue;	3763 materialValue : PropertyValue;
2904 END_ENTITY;	3764 END_ENTITY;
2905	3765
2906 ENTITY MatingDefinition	3766 ENTITY MatingDefinition
2907 SUBTYPE OF(AssemblyDefinition);	3767 SUBTYPE OF(AssemblyDefinition);
2908 matingType : OPTIONAL ClassSelect;	3768 matingType : OPTIONAL ClassSelect;
2909 INVERSE	3769 INVERSE
2910 matedParts : SET[2:?] OF MatedPartAssociation FOR	3770 matedParts : SET[2:?] OF MatedPartAssociation FOR
2911 END_ENTITY;	3771 END_ENTITY;
2912	3772
2913 ENTITY MeasuredCharacteristic	3773 ENTITY MeasuredCharacteristic
2914 ABSTRACT	3774 ABSTRACT
2915 SUPERTYPE OF(ONEOF(IndividualPartTestResult));	3775 SUPERTYPE OF(ONEOF(IndividualPartTestResult));
2916 id : IdentifierSelect;	3776 id : IdentifierSelect;
2917 name : OPTIONAL DescriptorSelect;	3777 name : OPTIONAL DescriptorSelect;
2918 description : OPTIONAL DescriptorSelect;	3778 description : OPTIONAL DescriptorSelect;
2919 classifiedAs : OPTIONAL SET[1:?] OF Classification	3779 classifiedAs : OPTIONAL SET[1:?] OF Classification
2920 measureActivity : OPTIONAL MeasureActivitySelect;	3780 measureActivity : OPTIONAL MeasureActivitySelect;
2921 measuredCharacteristics : OPTIONAL SET[1:?] OF Pro	3781 measuredCharacteristics : OPTIONAL SET[1:?] OF Pro
2922 END_ENTITY;	3782 END_ENTITY;
2923	3783
2924 ENTITY MeasureQualification;	3784 ENTITY MeasureQualification;
2925 description : OPTIONAL DescriptorSelect;	3785 description : OPTIONAL DescriptorSelect;
2926 classifiedAs : OPTIONAL SET[1:?] OF Classification	3786 classifiedAs : OPTIONAL SET[1:?] OF Classification
2927 qualifiers : SET[1:?] OF ValueQualifierSelect;	3787 qualifiers : SET[1:?] OF ValueQualifierSelect;
2928 WHERE	3788 WHERE
2929 encapsulated: SIZEOF(USEDIN(SELF,''))=1;	3789 encapsulated: SIZEOF(USEDIN(SELF,''))=1;
2930 END_ENTITY;	3790 END_ENTITY;
2931	3791
2932 ENTITY Mechanism;	3792 ENTITY Mechanism
2933 id : IdentifierSelect;	3793 SUBTYPE OF(GeometricRepresentation);
2934 name : OPTIONAL DescriptorSelect;	3794 SELF\GeometricRepresentation.items : SET[1:?] OF K
2935 description : OPTIONAL DescriptorSelect;	
2936 versionId : OPTIONAL IdentifierSelect;	
2937 definedIn : GeometricCoordinateSpace;	
2938 items : SET[1:?] OF KinematicPair;	
2939 END_ENTITY;	3795 END_ENTITY;
2940	3796
2941 ENTITY MechanismState;	3797 ENTITY MechanismState
2942 id : IdentifierSelect;	3798 SUBTYPE OF(GeometricRepresentation);
2943 name : OPTIONAL DescriptorSelect;	3799 SELF\GeometricRepresentation.items : SET[1:?] OF K
2944 description : OPTIONAL DescriptorSelect;	
2945 versionId : OPTIONAL IdentifierSelect;	
2946 representedMechanism : Mechanism;	3800 representedMechanism : Mechanism;
2947 items : SET[1:?] OF KinematicPairValue;	
2948 END_ENTITY;	3801 END_ENTITY;
2949	3802
2950 ENTITY ModelProperty;	3803 ENTITY ModelProperty;
2951 definition : PropertyDefinitionSelect;	3804 definition : PropertyDefinitionSelect;
2952 specifiedValue : ModelPropertyValueSelect;	3805 specifiedValue : ModelPropertyValueSelect;

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2953 END_ENTITY;	3806 END_ENTITY;
2954	3807
2955 ENTITY ModelPropertyAssignment;	3808 ENTITY ModelPropertyAssignment;
2956 id : OPTIONAL IdentifierSelect;	3809 id : OPTIONAL IdentifierSelect;
2957 description : OPTIONAL DescriptorSelect;	3810 description : OPTIONAL DescriptorSelect;
2958 classifiedAs : OPTIONAL SET[1:?] OF Classification	3811 classifiedAs : OPTIONAL SET[1:?] OF Classification
2959 role : OPTIONAL ClassSelect;	3812 role : OPTIONAL ClassSelect;
2960 assignedProperty : ModelProperty;	3813 assignedProperty : ModelProperty;
2961 assignedTo : SET[1:?] OF PropertyAssignmentSelect;	3814 assignedTo : SET[1:?] OF PropertyAssignmentSelect;
2962 validityContext : OPTIONAL ValidityContextSelect;	3815 validityContext : OPTIONAL ValidityContextSelect;
2963 END_ENTITY;	3816 END_ENTITY;
2964	3817
2965 ENTITY ModifyElement	3818 ENTITY ModifyElement
2966 SUBTYPE OF(DeltaChangeActivity);	3819 SUBTYPE OF(DeltaChangeActivity);
2967 currentDesignObject : SET[1:?] OF DeltaChangeManag	3820 currentDesignObject : SET[1:?] OF DeltaChangeManag
2968 END_ENTITY;	3821 END_ENTITY;
2969	3822
2970 ENTITY ModifySingleElement	3823 ENTITY ModifySingleElement
2971 SUBTYPE OF(DeltaChangeActivity);	3824 SUBTYPE OF(DeltaChangeActivity);
2972 currentDesignObject : DeltaChangeManagementObjectS	3825 currentDesignObject : DeltaChangeManagementObjectS
2973 previousDesignObject : DeltaChangeManagementObject	3826 previousDesignObject : DeltaChangeManagementObject
2974 WHERE	3827 WHERE
2975 WR1: currentDesignObject :<>: previousDesignObject	3828 WR1: currentDesignObject :<>: previousDesignObject
2976 END_ENTITY;	3829 END_ENTITY;
2977	3830
2978 ENTITY MomentsOfInertia	3831 ENTITY MomentsOfInertia
2979 SUBTYPE OF(ShapeDependentProperty);	3832 SUBTYPE OF(ShapeDependentProperty);
2980 SELF\ShapeDependentProperty.definedIn : GeometricC	3833 SELF\ShapeDependentProperty.definedIn : GeometricC
2981 inertiaValue : ARRAY[1:3] OF ARRAY[1:3] OF Numeric	3834 inertiaValue : ARRAY[1:3] OF ARRAY[1:3] OF Numeric
2982 referenceAxisPlacement : CoordinateSystem;	3835 referenceAxisPlacement : AxisPlacement;
2983 END_ENTITY;	3836 END_ENTITY;
2984	3837
2985 TYPE MotionModel = SELECT (	3838 ENTITY MotionModelAssociation;
2986 LinkMotionAlongPath,	3839 associatedModel : MotionModelSelect;
2987 InterpolatedConfigurationModel);	
2988 END_TYPE;	
2989	
2990 ENTITY MotionModelAssociation;	
2991 associatedModel : MotionModel;	
2992 associatedTo : AssemblyDefinition;	3840 associatedTo : AssemblyDefinition;
2993 END_ENTITY;	3841 END_ENTITY;
2994	3842
2995 ENTITY NamedSize	3843 ENTITY NamedSize
2996 SUBTYPE OF(RectangularSize);	3844 SUBTYPE OF(RectangularSize);
2997 size : ClassSelect;	3845 size : ClassSelect;
2998 END_ENTITY;	3846 END_ENTITY;
2999	3847
3000 ENTITY NextAssemblyOccurrenceUsage	3848 ENTITY NextAssemblyOccurrenceUsage
3001 SUPERTYPE OF(ONEOF(MatedPartAssociation))	3849 SUPERTYPE OF(ONEOF(MatedPartAssociation))
3002 SUBTYPE OF(AssemblyOccurrenceRelationship);	3850 SUBTYPE OF(AssemblyOccurrenceRelationship);
3003 DERIVE	3851 DERIVE
3004 SELF\PartViewOccurrenceRelationship.relationType :	3852 SELF\ViewOccurrenceRelationship.relationType : Cla
3005 END_ENTITY;	3853 END_ENTITY;
3006	3854
3007 ENTITY NextAssemblyViewUsage	3855 ENTITY NextAssemblyViewUsage
3008 SUBTYPE OF(AssemblyViewRelationship);	3856 SUBTYPE OF(AssemblyViewRelationship);
3009 DERIVE	3857 DERIVE
3010 SELF\PartViewRelationship.relationType : ClassStri	3858 SELF\PartViewRelationship.relationType : ClassStri
3011 END_ENTITY;	3859 END_ENTITY;
3012	3860
	3861 ENTITY NotCondition
	3862 SUBTYPE OF(Condition);
	3863 DERIVE
	3864 SELF\Condition.conditionType : ClassSelect := 'not
	3865 END_ENTITY;
	3866
	3867 ENTITY NotEqualsCondition
	3868 SUBTYPE OF(Condition);
	3869 DERIVE
	3870 SELF\Condition.conditionType : ClassSelect := 'not
	3871 END_ENTITY;
	3872
3013 ENTITY NumericalContext;	3873 ENTITY NumericalContext;
3014 description : OPTIONAL DescriptorSelect;	3874 description : OPTIONAL DescriptorSelect;
3015 classifiedAs : OPTIONAL SET[1:?] OF Classification	3875 classifiedAs : OPTIONAL SET[1:?] OF Classification
3016 accuracy : REAL;	3876 accuracy : REAL;
3017 significantDigits : OPTIONAL INTEGER;	3877 significantDigits : OPTIONAL INTEGER;
3018 END_ENTITY;	3878 END_ENTITY;
3019	3879
3020 ENTITY NumericalValue	3880 ENTITY NumericalValue
3021 SUPERTYPE OF(ONEOF(ValueLimit))	3881 SUPERTYPE OF(ONEOF(ValueLimit))
3022 SUBTYPE OF(ValueWithUnit);	3882 SUBTYPE OF(ValueWithUnit);
3023 valueComponent : REAL;	3883 valueComponent : REAL;
3024 valueContext : OPTIONAL NumericalContext;	3884 valueContext : OPTIONAL NumericalContext;
3025 END_ENTITY;	3885 END_ENTITY;
3026	3886
	3887 ENTITY Occurrence
	3888 ABSTRACT
	3889 SUPERTYPE OF(ONEOF(QuantifiedOccurrence, SelectedO
	3890 id : IdentifierSelect;
	3891 description : OPTIONAL DescriptorSelect;
	3892 classifiedAs : OPTIONAL SET[1:?] OF Classification

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	3893 definingGeometry : OPTIONAL GeometricModel;
	3894 definition : OccurrenceDefinitionSelect;
	3895 END_ENTITY;
	3896
	3897 ENTITY OccurrencePlacement;
	3898 placedInstance : SingleOccurrence;
	3899 placement : TransformationSelect;
	3900 referenceComponent : BreakdownElementView;
	3901 WHERE
	3902 WR1: NOT ('GEOMETRICREPRESENTATIONRELATIONSHIPWITH
	3903 END_ENTITY;
	3904
	3905 ENTITY OccurrenceRelationship
	3906 SUPERTYPE OF(ONEOF(ReplacedUsageRelationship, Same
	3907 description : OPTIONAL DescriptorSelect;
	3908 classifiedAs : OPTIONAL SET[1:?] OF Classification
	3909 relationType : ClassSelect;
	3910 relating : Occurrence;
	3911 related : Occurrence;
	3912 WHERE
	3913 WR1: relating :<>: related;
	3914 END_ENTITY;
	3915
	3916 ENTITY OneOfCondition
	3917 SUBTYPE OF(Condition);
	3918 DERIVE
	3919 SELF\Condition.conditionType : ClassSelect := 'one
	3920 END_ENTITY;
	3921
	3922 ENTITY OrCondition
	3923 SUBTYPE OF(Condition);
	3924 DERIVE
	3925 SELF\Condition.conditionType : ClassSelect := 'or'
	3926 END_ENTITY;
	3927
3027 ENTITY Organization;	3928 ENTITY Organization;
3028 id : IdentifierSelect;	3929 id : IdentifierSelect;
3029 name : OPTIONAL DescriptorSelect;	3930 name : OPTIONAL DescriptorSelect;
3030 description : OPTIONAL DescriptorSelect;	3931 description : OPTIONAL DescriptorSelect;
3031 classifiedAs : OPTIONAL SET[1:?] OF Classification	3932 classifiedAs : OPTIONAL SET[1:?] OF Classification
3032 deliveryAddress : OPTIONAL Address;	
3033 organizationTypes : OPTIONAL SET[1:?] OF ClassSele	3933 organizationTypes : OPTIONAL SET[1:?] OF ClassSele
3034 postalAddress : OPTIONAL Address;	
3035 visitorAddress : OPTIONAL Address;	
3036 END_ENTITY;	3934 END_ENTITY;
3037	3935
3038 ENTITY OrganizationInContract;	3936 ENTITY OrganizationInContract;
3039 description : OPTIONAL SET[1:?] OF DescriptorSelec	3937 description : OPTIONAL SET[1:?] OF DescriptorSelec
3040 classifiedAs : OPTIONAL SET[1:?] OF Classification	3938 classifiedAs : OPTIONAL SET[1:?] OF Classification
3041 contractedOrganization : Organization;	3939 contractedOrganization : Organization;
3042 organizationRole : ClassSelect;	3940 organizationRole : ClassSelect;
3043 signedBy : OPTIONAL SET[1:?] OF DateAndPersonOrgan	3941 signedBy : OPTIONAL SET[1:?] OF DateAndPersonOrgan
3044 signedContracts : SET[1:?] OF Contract;	3942 signedContracts : SET[1:?] OF Contract;
3045 END_ENTITY;	3943 END_ENTITY;
3046	3944
3047 ENTITY OrganizationOrPersonInOrganizationAssignment;	3945 ENTITY OrganizationOrPersonInOrganizationAssignment;
3048 id : OPTIONAL IdentifierSelect;	3946 id : OPTIONAL IdentifierSelect;
3049 description : OPTIONAL DescriptorSelect;	3947 description : OPTIONAL DescriptorSelect;
3050 classifiedAs : OPTIONAL SET[1:?] OF Classification	3948 classifiedAs : OPTIONAL SET[1:?] OF Classification
3051 role : ClassSelect;	3949 role : ClassSelect;
3052 assignedPersonOrOrganization : PersonOrOrganizatio	3950 assignedPersonOrOrganization : OrganizationOrPerso
3053 assignedTo : SET[1:?] OF DateTimePersonOrganizatio	3951 assignedTo : SET[1:?] OF DateTimePersonOrganizatio
3054 END_ENTITY;	3952 END_ENTITY;
3055	3953
3056 ENTITY OrganizationRelationship;	3954 ENTITY OrganizationRelationship;
	3955 id : OPTIONAL IdentifierSelect;
3057 description : OPTIONAL DescriptorSelect;	3956 description : OPTIONAL DescriptorSelect;
3058 classifiedAs : OPTIONAL SET[1:?] OF Classification	3957 classifiedAs : OPTIONAL SET[1:?] OF Classification
3059 relationType : ClassSelect;	3958 relationType : ClassSelect;
3060 relating : Organization;	3959 relating : Organization;
3061 related : Organization;	3960 related : Organization;
3062 WHERE	3961 WHERE
3063 WR1: relating :<>: related;	3962 WR1: relating :<>: related;
3064 END_ENTITY;	3963 END_ENTITY;
3065	3964
	3965 ENTITY OrientedSurface
	3966 SUBTYPE OF(Surface);
	3967 END_ENTITY;
	3968
3066 ENTITY Part;	3969 ENTITY Part;
3067 id : IdentifierSelect;	3970 id : IdentifierSelect;
3068 name : DescriptorSelect;	3971 name : DescriptorSelect;
3069 description : OPTIONAL DescriptorSelect;	3972 description : OPTIONAL DescriptorSelect;
3070 classifiedAs : OPTIONAL SET[1:?] OF Classification	3973 classifiedAs : OPTIONAL SET[1:?] OF Classification
3071 partTypes : SET[1:?] OF ClassSelect;	3974 partTypes : SET[1:?] OF ClassSelect;
3072 sameAs : OPTIONAL SET[1:?] OF ProxySelect;	3975 sameAs : OPTIONAL SET[1:?] OF ProxySelect;
3073 versions : SET[1:?] OF PartVersion;	3976 versions : SET[1:?] OF PartVersion;
3074 END_ENTITY;	3977 END_ENTITY;
3075	3978
3076 ENTITY PartOccurrence	
3077 ABSTRACT	
3078 SUPERTYPE OF(ONEOF(QuantifiedPartOccurrence, Selec	

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3079 id : IdentifierSelect;	
3080 description : OPTIONAL DescriptorSelect;	
3081 classifiedAs : OPTIONAL SET[1:?] OF Classification	
3082 definition : PartOccurrenceDefinitionSelect;	
3083 END_ENTITY;	
3084	
3085 ENTITY PartOccurrenceRelationship	
3086 SUPERTYPE OF(ONEOF(ReplacedUsageRelationship, Same	
3087 description : OPTIONAL DescriptorSelect;	
3088 classifiedAs : OPTIONAL SET[1:?] OF Classification	
3089 relationType : ClassSelect;	
3090 relating : PartOccurrence;	
3091 related : PartOccurrence;	
3092 WHERE	
3093 WR1: relating :<>: related;	
3094 END_ENTITY;	
3095	
3096 ENTITY PartRelationship	3979 ENTITY PartRelationship
3097 SUPERTYPE OF(ONEOF(AlternatePartRelationship));	3980 SUPERTYPE OF(ONEOF(AlternatePartRelationship));
	3981 id : OPTIONAL IdentifierSelect;
3098 description : OPTIONAL DescriptorSelect;	3982 description : OPTIONAL DescriptorSelect;
3099 classifiedAs : OPTIONAL SET[1:?] OF Classification	3983 classifiedAs : OPTIONAL SET[1:?] OF Classification
3100 relationType : ClassSelect;	3984 relationType : ClassSelect;
3101 relating : Part;	3985 relating : Part;
3102 related : Part;	3986 related : Part;
3103 WHERE	3987 WHERE
3104 WR1: relating :<>: related;	3988 WR1: relating :<>: related;
3105 END_ENTITY;	3989 END_ENTITY;
3106	3990
3107 ENTITY PartShape;	
3108 id : OPTIONAL IdentifierSelect;	
3109 description : OPTIONAL DescriptorSelect;	
3110 describedObject : PartInformationSelect;	
3111 elements : OPTIONAL SET[1:?] OF ShapeElement;	
3112 END_ENTITY;	
3113	
3114 ENTITY PartToIndividualPartAssociation;	3991 ENTITY PartToIndividualPartAssociation;
3115 description : OPTIONAL DescriptorSelect;	3992 description : OPTIONAL DescriptorSelect;
3116 classifiedAs : OPTIONAL SET[1:?] OF Classification	3993 classifiedAs : OPTIONAL SET[1:?] OF Classification
3117 role : OPTIONAL ClassSelect;	3994 role : OPTIONAL ClassSelect;
3118 associatedInduvidualPart : IndividualPart;	3995 associatedInduvidualPart : IndividualPart;
3119 associatedPart : Part;	3996 associatedPart : Part;
3120 END_ENTITY;	3997 END_ENTITY;
3121	3998
3122 ENTITY PartVersion;	3999 ENTITY PartVersion;
3123 id : IdentifierSelect;	4000 id : IdentifierSelect;
3124 description : OPTIONAL DescriptorSelect;	4001 description : OPTIONAL DescriptorSelect;
3125 classifiedAs : OPTIONAL SET[1:?] OF Classification	4002 classifiedAs : OPTIONAL SET[1:?] OF Classification
3126 sameAs : OPTIONAL SET[1:?] OF ProxySelect;	4003 sameAs : OPTIONAL SET[1:?] OF ProxySelect;
3127 views : OPTIONAL SET[1:?] OF PartView;	4004 views : OPTIONAL SET[1:?] OF PartView;
3128 INVERSE	4005 INVERSE
3129 correspondingProductConfiguration : SET[0:1] OF Pr	4006 correspondingProductConfiguration : SET[0:1] OF Pr
3130 versionOf : Part FOR versions;	4007 versionOf : Part FOR versions;
3131 END_ENTITY;	4008 END_ENTITY;
3132	4009
3133 ENTITY PartVersionRelationship;	4010 ENTITY PartVersionRelationship;
	4011 id : OPTIONAL IdentifierSelect;
3134 description : OPTIONAL DescriptorSelect;	4012 description : OPTIONAL DescriptorSelect;
3135 classifiedAs : OPTIONAL SET[1:?] OF Classification	4013 classifiedAs : OPTIONAL SET[1:?] OF Classification
3136 relationType : ClassSelect;	4014 relationType : ClassSelect;
3137 relating : PartVersion;	4015 relating : PartVersion;
3138 related : PartVersion;	4016 related : PartVersion;
3139 WHERE	4017 WHERE
3140 WR1: relating :<>: related;	4018 WR1: relating :<>: related;
3141 END_ENTITY;	4019 END_ENTITY;
3142	4020
3143 ENTITY PartVersionToIndividualPartVersionAssociation	4021 ENTITY PartVersionToIndividualPartVersionAssociation
3144 description : OPTIONAL DescriptorSelect;	4022 description : OPTIONAL DescriptorSelect;
3145 classifiedAs : OPTIONAL SET[1:?] OF Classification	4023 classifiedAs : OPTIONAL SET[1:?] OF Classification
3146 role : OPTIONAL ClassSelect;	4024 role : OPTIONAL ClassSelect;
3147 associatedInduvidualPart : IndividualPartVersion;	4025 associatedInduvidualPart : IndividualPartVersion;
3148 associatedPart : PartVersionOrProductConfgurationS	4026 associatedPart : PartVersionOrProductConfiguration
3149 END_ENTITY;	4027 END_ENTITY;
3150	4028
3151 ENTITY PartView	4029 ENTITY PartView
3152 SUPERTYPE OF(ONEOF(AssemblyDefinition, CollectionD	4030 SUPERTYPE OF(ONEOF(AssemblyDefinition, CollectionD
3153 id : OPTIONAL IdentifierSelect;	4031 id : OPTIONAL IdentifierSelect;
3154 description : OPTIONAL DescriptorSelect;	4032 description : OPTIONAL DescriptorSelect;
3155 classifiedAs : OPTIONAL SET[1:?] OF Classification	4033 classifiedAs : OPTIONAL SET[1:?] OF Classification
3156 additionalContexts : OPTIONAL SET[1:?] OF ViewCont	4034 additionalContexts : OPTIONAL SET[1:?] OF ViewCont
	4035 definingGeometry : OPTIONAL GeometricModel;
3157 initialContext : ViewContext;	4036 initialContext : ViewContext;
3158 sameAs : OPTIONAL SET[1:?] OF ProxySelect;	4037 sameAs : OPTIONAL SET[1:?] OF ProxySelect;
3159 INVERSE	4038 INVERSE
3160 viewOf : PartVersion FOR views;	4039 viewOf : PartVersion FOR views;
3161 END_ENTITY;	4040 END_ENTITY;
3162	4041
3163 ENTITY PartViewOccurrenceRelationship	
3164 SUPERTYPE OF(ONEOF(AssemblyOccurrenceRelationship,	
3165 description : OPTIONAL DescriptorSelect;	
3166 classifiedAs : OPTIONAL SET[1:?] OF Classification	
3167 relationType : ClassSelect;	

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3168 relating : PartView;	
3169 related : PartOccurrence;	
3170 END_ENTITY;	
3171	
3172 ENTITY PartViewRelationship	4042 ENTITY PartViewRelationship
3173 SUPERTYPE OF(ONEOF(AssemblyViewRelationship, Geome	4043 SUPERTYPE OF(ONEOF(AssemblyViewRelationship, Geome
3174 description : OPTIONAL DescriptorSelect;	4044 description : OPTIONAL DescriptorSelect;
3175 classifiedAs : OPTIONAL SET[1:?] OF Classification	4045 classifiedAs : OPTIONAL SET[1:?] OF Classification
3176 relationType : ClassSelect;	4046 relationType : ClassSelect;
3177 relating : PartView;	4047 relating : PartView;
3178 related : PartView;	4048 related : PartView;
3179 WHERE	4049 WHERE
3180 WR1: relating :<>: related;	4050 WR1: relating :<>: related;
3181 END_ENTITY;	4051 END_ENTITY;
3182	4052
3183 ENTITY PartViewToIndividualPartViewAssociation;	4053 ENTITY PartViewToIndividualPartViewAssociation;
3184 description : OPTIONAL DescriptorSelect;	4054 description : OPTIONAL DescriptorSelect;
3185 classifiedAs : OPTIONAL SET[1:?] OF Classification	4055 classifiedAs : OPTIONAL SET[1:?] OF Classification
3186 role : OPTIONAL ClassSelect;	4056 role : OPTIONAL ClassSelect;
3187 associatedInduvidualPart : IndividualPartView;	4057 associatedInduvidualPart : IndividualPartView;
3188 associatedPart : PartViewOrProductConfgurationSele	4058 associatedPart : PartViewOrProductConfigurationSel
3189 END_ENTITY;	4059 END_ENTITY;
3190	4060
3191 ENTITY PathSegment	4061 ENTITY PathSegment
3192 ABSTRACT	4062 ABSTRACT
3193 SUPERTYPE OF(ONEOF(CircularPath, LinearPath, Point	4063 SUPERTYPE OF(ONEOF(CircularPath, LinearPath, Point
3194 placementEnd : CoordinateSystem;	4064 placementEnd : AxisPlacement;
3195 tEnd : REAL;	4065 tEnd : REAL;
3196 transition : TransitionCodeEnum;	4066 transition : TransitionCodeEnum;
3197 END_ENTITY;	4067 END_ENTITY;
3198	4068
	4069 ENTITY Pcurve
	4070 SUBTYPE OF(Curve);
	4071 END_ENTITY;
	4072
3199 ENTITY PercentageLaminateTable	4073 ENTITY PercentageLaminateTable
3200 SUBTYPE OF(ZoneStructuralMakeup);	4074 SUBTYPE OF(ZoneStructuralMakeup);
3201 tableComponents : SET[1:?] OF PercentagePly;	4075 tableComponents : SET[1:?] OF PercentagePly;
3202 totalThickness : NumericalValue;	4076 totalThickness : NumericalValue;
3203 END_ENTITY;	4077 END_ENTITY;
3204	4078
3205 ENTITY PercentagePly;	4079 ENTITY PercentagePly;
3206 makeupAndProperties : OPTIONAL ZoneStructuralMakeu	4080 makeupAndProperties : OPTIONAL ZoneStructuralMakeu
3207 material : StockMaterial;	4081 material : StockMaterial;
3208 strengthOrientation : OPTIONAL PlyOrientationAngle	4082 strengthOrientation : OPTIONAL PlyOrientationAngle
3209 volumePercent : NumericalValue;	4083 volumePercent : NumericalValue;
3210 END_ENTITY;	4084 END_ENTITY;
3211	4085
3212 ENTITY Person;	4086 ENTITY Person;
3213 id : OPTIONAL IdentifierSelect;	4087 id : OPTIONAL IdentifierSelect;
3214 description : OPTIONAL DescriptorSelect;	4088 description : OPTIONAL DescriptorSelect;
3215 classifiedAs : OPTIONAL SET[1:?] OF Classification	4089 classifiedAs : OPTIONAL SET[1:?] OF Classification
3216 businessAddress : OPTIONAL Address;	
3217 firstName : OPTIONAL STRING;	4090 firstName : OPTIONAL STRING;
3218 lastName : STRING;	4091 lastName : STRING;
3219 middleNames : OPTIONAL LIST[1:?] OF STRING;	4092 middleNames : OPTIONAL LIST[1:?] OF STRING;
3220 prefixTitles : OPTIONAL LIST[1:?] OF STRING;	4093 prefixTitles : OPTIONAL LIST[1:?] OF STRING;
3221 sameAs : OPTIONAL SET[1:?] OF ProxySelect;	4094 sameAs : OPTIONAL SET[1:?] OF ProxySelect;
3222 suffixTitles : OPTIONAL LIST[1:?] OF STRING;	4095 suffixTitles : OPTIONAL LIST[1:?] OF STRING;
3223 INVERSE	4096 INVERSE
3224 associatedOrganizations : SET[1:?] OF PersonInOrga	4097 associatedOrganizations : SET[1:?] OF PersonInOrga
3225 END_ENTITY;	4098 END_ENTITY;
3226	4099
3227 ENTITY PersonInOrganization;	4100 ENTITY PersonInOrganization;
3228 id : OPTIONAL IdentifierSelect;	4101 id : OPTIONAL IdentifierSelect;
3229 description : OPTIONAL DescriptorSelect;	4102 description : OPTIONAL DescriptorSelect;
3230 classifiedAs : OPTIONAL SET[1:?] OF Classification	4103 classifiedAs : OPTIONAL SET[1:?] OF Classification
3231 associatedOrganization : Organization;	4104 associatedOrganization : Organization;
3232 associatedPerson : Person;	4105 associatedPerson : Person;
3233 location : OPTIONAL Address;	
3234 personRole : ClassSelect;	4106 personRole : ClassSelect;
3235 sameAs : OPTIONAL SET[1:?] OF ProxySelect;	4107 sameAs : OPTIONAL SET[1:?] OF ProxySelect;
3236 END_ENTITY;	4108 END_ENTITY;
3237	4109
3238 ENTITY PersonInOrganizationRelationship;	4110 ENTITY PersonInOrganizationRelationship;
	4111 id : OPTIONAL IdentifierSelect;
3239 description : OPTIONAL DescriptorSelect;	4112 description : OPTIONAL DescriptorSelect;
3240 classifiedAs : OPTIONAL SET[1:?] OF Classification	4113 classifiedAs : OPTIONAL SET[1:?] OF Classification
3241 relationType : ClassSelect;	4114 relationType : ClassSelect;
3242 relating : PersonInOrganization;	4115 relating : PersonInOrganization;
3243 related : PersonInOrganization;	4116 related : PersonInOrganization;
3244 WHERE	4117 WHERE
3245 WR1: relating :<>: related;	4118 WR1: relating :<>: related;
3246 END_ENTITY;	4119 END_ENTITY;
3247	4120
3248 ENTITY PhysicalBreakdown	4121 ENTITY PhysicalBreakdown
3249 SUBTYPE OF(Breakdown);	4122 SUBTYPE OF(Breakdown);
3250 DERIVE	4123 DERIVE
3251 SELF\Breakdown.breakdownType : ClassString := 'phy	4124 SELF\Breakdown.breakdownType : ClassString := 'phy
3252 END_ENTITY;	4125 END_ENTITY;
3253	4126
3254 ENTITY PhysicalDocumentDefinition	4127 ENTITY PhysicalDocumentDefinition

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3255   SUBTYPE OF(DocumentDefinition);              4128   SUBTYPE OF(DocumentDefinition);
3256   components : OPTIONAL SET[1:?] OF Hardcopy;   4129   components : OPTIONAL SET[1:?] OF Hardcopy;
3257 END_ENTITY;                                     4130 END_ENTITY;
3258                                                 4131
                                                     4132 ENTITY PlannedActivity
                                                     4133   SUPERTYPE OF(ONEOF(DirectedPlannedActivity))
                                                     4134   SUBTYPE OF(Activity);
                                                     4135   versionId : OPTIONAL IdentifierSelect;
                                                     4136   plannedEndDate : OPTIONAL PeriodOrDateSelect;
                                                     4137   plannedStartDate : OPTIONAL EventOrDateSelect;
                                                     4138 END_ENTITY;
                                                     4139
3259 ENTITY PlannedCharacteristic;                   4140 ENTITY PlannedCharacteristic;
3260   name : OPTIONAL DescriptorSelect;             4141   name : OPTIONAL DescriptorSelect;
3261   definedFor : RequirementAssignment;           4142   definedFor : RequirementAssignment;
3262   plannedCharacteristics : OPTIONAL SET[1:?] OF Prop  4143   plannedCharacteristics : OPTIONAL SET[1:?] OF Prop
3263 END_ENTITY;                                     4144 END_ENTITY;
3264                                                 4145
                                                     4146 ENTITY PlannedIndividualPart
                                                     4147   SUBTYPE OF(IndividualPartVersion);
                                                     4148 END_ENTITY;
                                                     4149
3265 ENTITY Ply                                      4150 ENTITY Ply
3266   SUBTYPE OF(ConstituentPart);                  4151   SUBTYPE OF(ConstituentPart);
3267   materialType : StockMaterial;                 4152   materialType : StockMaterial;
3268   constituents : OPTIONAL LIST[1:?] OF PlyPiece;  4153   constituents : OPTIONAL LIST[1:?] OF PlyPiece;
3269   materialOrientation : DirectionOfFiberOrientationW  4154   materialOrientation : DirectionOfFiberOrientationW
3270   plyThickness : NumericalValue;                4155   plyThickness : NumericalValue;
3271   shape : OPTIONAL PlyShape;                     4156   shape : OPTIONAL PlyShape;
3272 WHERE                                           4157 WHERE
3273   WR1 : SELF.plyThickness.valueComponent >= 0.0;  4158   WR1 : SELF.plyThickness.valueComponent >= 0.0;
3274   WR2 : SELF.plyThickness.unit.name='length';   4159   WR2 : SELF.plyThickness.unit.name='length';
3275 END_ENTITY;                                      4160 END_ENTITY;
3276                                                 4161
3277 ENTITY PlyLaminate                              4162 ENTITY PlyLaminate
3278   SUBTYPE OF(ConstituentPart);                  4163   SUBTYPE OF(ConstituentPart);
3279   plyTable : PlyLaminateTable;                  4164   plyTable : PlyLaminateTable;
3280   shape : OPTIONAL PlyLaminateShapeSelect;      4165   shape : OPTIONAL PlyLaminateShapeSelect;
3281 END_ENTITY;                                      4166 END_ENTITY;
3282                                                 4167
3283 ENTITY PlyLaminateSequenceDefinition            4168 ENTITY PlyLaminateSequenceDefinition
3284   SUBTYPE OF(ConstituentPart);                  4169   SUBTYPE OF(ConstituentPart);
3285   pliesInSequence : SET[1:?] OF Ply;            4170   pliesInSequence : SET[1:?] OF Ply;
3286 END_ENTITY;                                      4171 END_ENTITY;
3287                                                 4172
3288 ENTITY PlyLaminateTable                         4173 ENTITY PlyLaminateTable
3289   SUBTYPE OF(LaminateTable);                    4174   SUBTYPE OF(LaminateTable);
3290   sequence : LIST[2:?] OF PlyLaminateSequenceDefinit  4175   sequence : LIST[2:?] OF PlyLaminateSequenceDefinit
3291 END_ENTITY;                                      4176 END_ENTITY;
3292                                                 4177
3293 ENTITY PlyOrientationAngle                      4178 ENTITY PlyOrientationAngle
3294   ABSTRACT                                      4179   ABSTRACT
3295   SUPERTYPE OF(ONEOF(DrapedOrientationAngle, LaidOri  4180   SUPERTYPE OF(ONEOF(DrapedOrientationAngle, LaidOri
3296   description : OPTIONAL DescriptorSelect;      4181   description : OPTIONAL DescriptorSelect;
3297   angleReference : AngleSelect;                 4182   angleReference : AngleSelect;
3298   fiberDirection : DirectionOfFiberOrientationWithin  4183   fiberDirection : DirectionOfFiberOrientationWithin
3299   reinforcementDirection : ReinforcementOrientationB  4184   reinforcementDirection : ReinforcementOrientationB
3300 END_ENTITY;                                      4185 END_ENTITY;
3301                                                 4186
3302 ENTITY PlyPiece                                 4187 ENTITY PlyPiece
3303   SUBTYPE OF(ConstituentPart);                  4188   SUBTYPE OF(ConstituentPart);
3304   shape : OPTIONAL PlyShape;                    4189   shape : OPTIONAL PlyShape;
3305   warpSurface : LOGICAL;                        4190   warpSurface : LOGICAL;
3306 END_ENTITY;                                      4191 END_ENTITY;
3307                                                 4192
3308 ENTITY PlyShape;                                4193 ENTITY PlyShape;
3309   basis : OPTIONAL PlyShape;                    4194   basis : OPTIONAL PlyShape;
3310   definingModel : PlyLaminateShapeSelect;       4195   definingModel : PlyLaminateShapeSelect;
3311 END_ENTITY;                                      4196 END_ENTITY;
3312                                                 4197
3313 ENTITY Point                                    4198 ENTITY Point
3314   SUPERTYPE OF(ONEOF(CartesianPoint))           4199   SUPERTYPE OF(ONEOF(CartesianPoint, PointOnCurve, P
3315   SUBTYPE OF(DetailedGeometricModelElement);    4200   SUBTYPE OF(DetailedGeometricModelItem);
                                                     4201 END_ENTITY;
                                                     4202
                                                     4203 ENTITY PointOnCurve
                                                     4204   SUBTYPE OF(Point);
                                                     4205   basicCurve : Curve;
                                                     4206   SELF\RepresentationItem.external : ExternalItem;
                                                     4207   parameter : ExternalRepresentationItem;
                                                     4208 END_ENTITY;
                                                     4209
                                                     4210 ENTITY PointOnSurface
                                                     4211   SUBTYPE OF(Point);
                                                     4212   basicSurface : Surface;
                                                     4213   SELF\RepresentationItem.external : ExternalItem;
                                                     4214   parameter : ExternalRepresentationItem;
                                                     4215 END_ENTITY;
                                                     4216
                                                     4217 ENTITY PointPath
                                                     4218   SUBTYPE OF(DetailedGeometricModelItem);
                                                     4219   SELF\RepresentationItem.external : ExternalItem;
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3316 END_ENTITY;	4220 END_ENTITY;
3317	4221
3318 ENTITY PointToPointPath	4222 ENTITY PointToPointPath
3319 SUBTYPE OF(PathSegment);	4223 SUBTYPE OF(PathSegment);
3320 END_ENTITY;	4224 END_ENTITY;
3321	4225
3322 ENTITY PointZoneShape	4226 ENTITY PointZoneShape
3323 SUBTYPE OF(ZoneStructuralMakeupShapeRepresentation	4227 SUBTYPE OF(ZoneStructuralMakeupShapeRepresentation
3324 location : PointSelect;	4228 location : PointSelect;
3325 END_ENTITY;	4229 END_ENTITY;
3326	4230
3327 ENTITY PrecisionQualifier;	4231 ENTITY PrecisionQualifier;
3328 sameAs : OPTIONAL ProxySelect;	4232 sameAs : OPTIONAL ProxySelect;
3329 significantDigits : INTEGER;	4233 significantDigits : INTEGER;
3330 END_ENTITY;	4234 END_ENTITY;
3331	4235
3332 ENTITY PreDefinedTypeQualifier;	4236 ENTITY PreDefinedTypeQualifier;
3333 name : ClassSelect;	4237 name : ClassSelect;
3334 END_ENTITY;	4238 END_ENTITY;
3335	4239
3336 ENTITY ProcessedCore	4240 ENTITY ProcessedCore
3337 SUBTYPE OF(ConstituentPart);	4241 SUBTYPE OF(ConstituentPart);
3338 addedMaterial : OPTIONAL LIST[1:?] OF Ply;	4242 addedMaterial : OPTIONAL LIST[1:?] OF Ply;
3339 cellDirection : DirectionOfFiberOrientationWithinA	4243 cellDirection : DirectionOfFiberOrientationWithinA
3340 madeFromProcessedCore : OPTIONAL SET[1:?] OF Proce	4244 madeFromProcessedCore : OPTIONAL SET[1:?] OF Proce
3341 madeFromStock : StockMaterial;	4245 madeFromStock : StockMaterial;
3342 shape : OPTIONAL CoreShapeSelect;	4246 shape : OPTIONAL CoreShapeSelect;
3343 WHERE	4247 WHERE
3344 SELF.madeFromStock.stockMaterialType = stock_core;	4248 SELF.madeFromStock.stockMaterialType = stock_core;
3345 END_ENTITY;	4249 END_ENTITY;
3346	4250
3347 ENTITY ProcessOperationDefinition;	4251 ENTITY ProcessOperationDefinition;
3348 id : IdentifierSelect;	4252 id : IdentifierSelect;
3349 name : OPTIONAL DescriptorSelect;	4253 name : OPTIONAL DescriptorSelect;
3350 description : OPTIONAL DescriptorSelect;	4254 description : OPTIONAL DescriptorSelect;
3351 versionId : OPTIONAL IdentifierSelect;	4255 versionId : OPTIONAL IdentifierSelect;
	4256 classifiedAs : OPTIONAL SET[1:?] OF Classification
3352 processType : ClassSelect;	4257 processType : ClassSelect;
3353 END_ENTITY;	4258 END_ENTITY;
3354	4259
3355 ENTITY ProcessOperationDefinitionRelationship;	4260 ENTITY ProcessOperationDefinitionRelationship;
	4261 id : OPTIONAL IdentifierSelect;
3356 description : OPTIONAL DescriptorSelect;	4262 description : OPTIONAL DescriptorSelect;
3357 classifiedAs : OPTIONAL SET[1:?] OF Classification	4263 classifiedAs : OPTIONAL SET[1:?] OF Classification
3358 relationType : ClassSelect;	4264 relationType : ClassSelect;
3359 relating : ProcessOperationDefinition;	4265 relating : ProcessOperationDefinition;
3360 related : ProcessOperationDefinition;	4266 related : ProcessOperationDefinition;
3361 WHERE	4267 WHERE
3362 WR1: relating :<>: related;	4268 WR1: relating :<>: related;
3363 END_ENTITY;	4269 END_ENTITY;
3364	4270
3365 ENTITY ProcessOperationInputOrOutput;	4271 ENTITY ProcessOperationInputOrOutput;
3366 description : OPTIONAL DescriptorSelect;	4272 description : OPTIONAL DescriptorSelect;
3367 classifiedAs : OPTIONAL SET[1:?] OF Classification	4273 classifiedAs : OPTIONAL SET[1:?] OF Classification
3368 role : ClassSelect;	4274 role : ClassSelect;
3369 concernedShapes : OPTIONAL SET[1:?] OF ShapeElemen	4275 concernedShapes : OPTIONAL SET[1:?] OF ShapeElemen
3370 element : ProcessOperationInputOrOutputSelect;	4276 element : ProcessOperationInputOrOutputSelect;
3371 operation : ProcessOperationOccurrence;	4277 operation : ProcessOperationOccurrence;
3372 placement : OPTIONAL Transformation;	4278 placement : OPTIONAL GeometricRepresentationRelati
3373 END_ENTITY;	4279 END_ENTITY;
3374	4280
3375 ENTITY ProcessOperationOccurrence;	4281 ENTITY ProcessOperationOccurrence;
3376 id : IdentifierSelect;	4282 id : IdentifierSelect;
3377 description : OPTIONAL DescriptorSelect;	4283 description : OPTIONAL DescriptorSelect;
	4284 classifiedAs : OPTIONAL SET[1:?] OF Classification
3378 definedIn : OPTIONAL GeometricCoordinateSpace;	4285 definedIn : OPTIONAL GeometricCoordinateSpace;
3379 definition : ProcessOperationDefinition;	4286 definition : ProcessOperationDefinition;
3380 plan : ProcessPlan;	4287 plan : ProcessPlan;
3381 END_ENTITY;	4288 END_ENTITY;
3382	4289
3383 ENTITY ProcessOperationOccurrenceRelationship;	4290 ENTITY ProcessOperationOccurrenceRelationship;
	4291 id : OPTIONAL IdentifierSelect;
3384 description : OPTIONAL DescriptorSelect;	4292 description : OPTIONAL DescriptorSelect;
3385 classifiedAs : OPTIONAL SET[1:?] OF Classification	4293 classifiedAs : OPTIONAL SET[1:?] OF Classification
3386 relationType : ClassSelect;	4294 relationType : ClassSelect;
3387 relating : ProcessOperationOccurrence;	4295 relating : ProcessOperationOccurrence;
3388 related : ProcessOperationOccurrence;	4296 related : ProcessOperationOccurrence;
3389 cycleTime : OPTIONAL Duration;	4297 cycleTime : OPTIONAL Duration;
3390 waitingTime : OPTIONAL PropertyValue;	4298 waitingTime : OPTIONAL PropertyValue;
3391 WHERE	4299 WHERE
3392 WR1: relating :<>: related;	4300 WR1: relating :<>: related;
3393 END_ENTITY;	4301 END_ENTITY;
3394	4302
3395 ENTITY ProcessOperationResourceAssignment;	4303 ENTITY ProcessOperationResourceAssignment;
3396 id : OPTIONAL IdentifierSelect;	4304 id : OPTIONAL IdentifierSelect;
3397 description : OPTIONAL DescriptorSelect;	4305 description : OPTIONAL DescriptorSelect;
3398 classifiedAs : OPTIONAL SET[1:?] OF Classification	4306 classifiedAs : OPTIONAL SET[1:?] OF Classification
3399 assignedResource : ProcessOperationResourceAssignm	4307 assignedResource : ProcessOperationResourceAssignm
3400 assignedTo : ProcessOperationOccurrence;	4308 assignedTo : ProcessOperationOccurrence;
3401 placement : OPTIONAL Transformation;	4309 placement : OPTIONAL GeometricRepresentationRelati
3402 reason : OPTIONAL MultiLingualStringSelect;	4310 reason : OPTIONAL MultiLingualStringSelect;
3403 referenceTool : BOOLEAN;	4311 referenceTool : BOOLEAN;

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3404 END_ENTITY;	4312 END_ENTITY;
3405	4313
3406 ENTITY ProcessPlan;	4314 ENTITY ProcessPlan;
3407 id : IdentifierSelect;	4315 id : IdentifierSelect;
3408 name : OPTIONAL DescriptorSelect;	4316 name : OPTIONAL DescriptorSelect;
3409 description : OPTIONAL DescriptorSelect;	4317 description : OPTIONAL DescriptorSelect;
3410 versionId : OPTIONAL IdentifierSelect;	4318 versionId : OPTIONAL IdentifierSelect;
	4319 classifiedAs : OPTIONAL SET[1:?] OF Classification
3411 producedOutputs : OPTIONAL SET[1:?] OF PartVersion	4320 producedOutputs : OPTIONAL SET[1:?] OF PartVersion
3412 END_ENTITY;	4321 END_ENTITY;
3413	4322
3414 ENTITY ProcessPlanRelationship;	4323 ENTITY ProcessPlanRelationship;
	4324 id : OPTIONAL IdentifierSelect;
3415 description : OPTIONAL DescriptorSelect;	4325 description : OPTIONAL DescriptorSelect;
3416 classifiedAs : OPTIONAL SET[1:?] OF Classification	4326 classifiedAs : OPTIONAL SET[1:?] OF Classification
3417 relationType : ClassSelect;	4327 relationType : ClassSelect;
3418 relating : ProcessPlan;	4328 relating : ProcessPlan;
3419 related : ProcessPlan;	4329 related : ProcessPlan;
3420 WHERE	4330 WHERE
3421 WR1: relating :<>: related;	4331 WR1: relating :<>: related;
3422 END_ENTITY;	4332 END_ENTITY;
3423	4333
3424 ENTITY ProcessStateRelationship	4334 ENTITY ProcessStateRelationship
3425 SUBTYPE OF(PartViewRelationship);	4335 SUBTYPE OF(PartViewRelationship);
3426 DERIVE	4336 DERIVE
3427 SELF\PartViewRelationship.relationType : ClassStri	4337 SELF\PartViewRelationship.relationType : ClassStri
3428 END_ENTITY;	4338 END_ENTITY;
3429	4339
3430 ENTITY ProductClass;	4340 ENTITY ProductClass
3431 id : IdentifierSelect;	4341 SUBTYPE OF(ProductConcept);
3432 name : OPTIONAL DescriptorSelect;	
3433 description : OPTIONAL DescriptorSelect;	
3434 versionId : OPTIONAL IdentifierSelect;	4342 versionId : OPTIONAL IdentifierSelect;
3435 classifiedAs : OPTIONAL SET[1:?] OF Classification	
3436 levelType : OPTIONAL ClassSelect;	4343 levelType : OPTIONAL ClassSelect;
3437 marketSegmentType : OPTIONAL ClassSelect;	
3438 marketName : OPTIONAL ClassSelect;	
3439 END_ENTITY;	4344 END_ENTITY;
3440	4345
3441 ENTITY ProductClassRelationship;	4346 ENTITY ProductClassRelationship;
	4347 id : OPTIONAL IdentifierSelect;
3442 description : OPTIONAL DescriptorSelect;	4348 description : OPTIONAL DescriptorSelect;
3443 classifiedAs : OPTIONAL SET[1:?] OF Classification	4349 classifiedAs : OPTIONAL SET[1:?] OF Classification
3444 relationType : ClassSelect;	4350 relationType : ClassSelect;
3445 relating : ProductClass;	4351 relating : ProductClass;
3446 related : ProductClass;	4352 related : ProductClass;
3447 WHERE	4353 WHERE
3448 WR1: relating :<>: related;	4354 WR1: relating :<>: related;
3449 END_ENTITY;	4355 END_ENTITY;
3450	4356
	4357 ENTITY ProductConcept
	4358 SUPERTYPE OF(ONEOF(ProductClass));
	4359 id : IdentifierSelect;
	4360 name : OPTIONAL DescriptorSelect;
	4361 description : OPTIONAL DescriptorSelect;
	4362 classifiedAs : OPTIONAL SET[1:?] OF Classification
	4363 sameAs : OPTIONAL SET[1:?] OF ProxySelect;
	4364 targetMarket : OPTIONAL Market;
	4365 END_ENTITY;
	4366
3451 ENTITY ProductConfiguration;	4367 ENTITY ProductConfiguration;
3452 id : IdentifierSelect;	4368 id : IdentifierSelect;
3453 name : OPTIONAL DescriptorSelect;	4369 name : OPTIONAL DescriptorSelect;
3454 description : OPTIONAL DescriptorSelect;	4370 description : OPTIONAL DescriptorSelect;
3455 versionId : OPTIONAL IdentifierSelect;	4371 versionId : OPTIONAL IdentifierSelect;
3456 classifiedAs : OPTIONAL SET[1:?] OF Classification	4372 classifiedAs : OPTIONAL SET[1:?] OF Classification
3457 definingSpecifications : OPTIONAL SET[1:?] OF Spec	4373 definingSpecifications : OPTIONAL SET[1:?] OF Spec
3458 memberOf : ProductClass;	4374 memberOf : ProductClass;
	4375 sameAs : OPTIONAL SET[1:?] OF ProxySelect;
3459 INVERSE	4376 INVERSE
3460 correspondingPartVersion : SET[0:1] OF ProductPart	4377 correspondingPartVersion : SET[0:1] OF ProductDesi
3461 END_ENTITY;	4378 END_ENTITY;
3462	4379
3463 ENTITY ProductConfigurationRelationship;	4380 ENTITY ProductConfigurationRelationship;
	4381 id : OPTIONAL IdentifierSelect;
3464 description : OPTIONAL DescriptorSelect;	4382 description : OPTIONAL DescriptorSelect;
3465 classifiedAs : OPTIONAL SET[1:?] OF Classification	4383 classifiedAs : OPTIONAL SET[1:?] OF Classification
3466 relationType : ClassSelect;	4384 relationType : ClassSelect;
3467 relating : ProductConfiguration;	4385 relating : ProductConfiguration;
3468 related : ProductConfiguration;	4386 related : ProductConfiguration;
3469 WHERE	4387 WHERE
3470 WR1: relating :<>: related;	4388 WR1: relating :<>: related;
3471 END_ENTITY;	4389 END_ENTITY;
3472	4390
3473 ENTITY ProductPartEquivalence;	4391 ENTITY ProductDesignAssociation;
3474 description : OPTIONAL DescriptorSelect;	4392 description : OPTIONAL DescriptorSelect;
3475 classifiedAs : OPTIONAL SET[1:?] OF Classification	4393 classifiedAs : OPTIONAL SET[1:?] OF Classification
3476 associatedPartVersion : PartVersion;	4394 associatedConfiguration : ProductConfiguration;
3477 associatedProductConfiguration : ProductConfigurat	4395 associatedDesign : PartVersion;
	4396 END_ENTITY;
	4397
	4398 ENTITY ProductPlannedToRealized

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	4399 SUBTYPE OF(IndividualPartVersionRelationship);
	4400 SELF\IndividualPartVersionRelationship.relating :
	4401 SELF\IndividualPartVersionRelationship.related : R
3478 END_ENTITY;	4402 END_ENTITY;
3479	4403
3480 ENTITY Project;	4404 ENTITY Project;
3481 id : OPTIONAL IdentifierSelect;	4405 id : OPTIONAL IdentifierSelect;
3482 name : OPTIONAL DescriptorSelect;	4406 name : OPTIONAL DescriptorSelect;
3483 description : OPTIONAL DescriptorSelect;	4407 description : OPTIONAL DescriptorSelect;
3484 classifiedAs : OPTIONAL SET[1:?] OF Classification	4408 classifiedAs : OPTIONAL SET[1:?] OF Classification
3485 actualEndDate : OPTIONAL DateTimeString;	4409 actualEndDate : OPTIONAL DateTimeString;
3486 actualStartDate : OPTIONAL DateTimeString;	4410 actualStartDate : OPTIONAL DateTimeString;
3487 plannedEndDate : OPTIONAL PeriodOrDateSelect;	4411 plannedEndDate : OPTIONAL PeriodOrDateSelect;
3488 plannedStartDate : OPTIONAL EventOrDateSelect;	4412 plannedStartDate : OPTIONAL EventOrDateSelect;
3489 responsibleOrganizations : OPTIONAL SET[1:?] OF Or	4413 responsibleOrganizations : OPTIONAL SET[1:?] OF Or
3490 END_ENTITY;	4414 END_ENTITY;
3491	4415
3492 ENTITY ProjectAssignment;	4416 ENTITY ProjectAssignment;
3493 id : OPTIONAL IdentifierSelect;	4417 id : OPTIONAL IdentifierSelect;
3494 description : OPTIONAL DescriptorSelect;	4418 description : OPTIONAL DescriptorSelect;
3495 classifiedAs : OPTIONAL SET[1:?] OF Classification	4419 classifiedAs : OPTIONAL SET[1:?] OF Classification
3496 role : ClassSelect;	4420 role : ClassSelect;
3497 assignedProject : Project;	4421 assignedProject : Project;
3498 assignedTo : SET[1:?] OF ProjectAssignmentSelect;	4422 assignedTo : SET[1:?] OF ProjectAssignmentSelect;
3499 END_ENTITY;	4423 END_ENTITY;
3500	4424
3501 ENTITY ProjectRelationship;	4425 ENTITY ProjectRelationship;
	4426 id : OPTIONAL IdentifierSelect;
3502 description : OPTIONAL SET[1:?] OF DescriptorSelec	4427 description : OPTIONAL SET[1:?] OF DescriptorSelec
3503 classifiedAs : OPTIONAL SET[1:?] OF Classification	4428 classifiedAs : OPTIONAL SET[1:?] OF Classification
3504 relationType : ClassSelect;	4429 relationType : ClassSelect;
3505 relating : Project;	4430 relating : Project;
3506 related : Project;	4431 related : Project;
3507 WHERE	4432 WHERE
3508 WR1: relating :<>: related;	4433 WR1: relating :<>: related;
3509 END_ENTITY;	4434 END_ENTITY;
3510	4435
3511 ENTITY PromissoryAssemblyOccurrenceUsage	4436 ENTITY PromissoryAssemblyOccurrenceUsage
3512 SUBTYPE OF(AssemblyOccurrenceRelationship);	4437 SUBTYPE OF(AssemblyOccurrenceRelationship);
3513 DERIVE	4438 DERIVE
3514 SELF\PartViewOccurrenceRelationship.relationType :	4439 SELF\ViewOccurrenceRelationship.relationType : Cla
3515 END_ENTITY;	4440 END_ENTITY;
3516	4441
3517 ENTITY PromissoryAssemblyViewUsage	4442 ENTITY PromissoryAssemblyViewUsage
3518 SUBTYPE OF(AssemblyViewRelationship);	4443 SUBTYPE OF(AssemblyViewRelationship);
3519 DERIVE	4444 DERIVE
3520 SELF\PartViewRelationship.relationType : ClassStri	4445 SELF\PartViewRelationship.relationType : ClassStri
3521 END_ENTITY;	4446 END_ENTITY;
3522	4447
3523 ENTITY PropertyDefinition;	4448 ENTITY PropertyDefinition;
3524 id : IdentifierSelect;	4449 id : IdentifierSelect;
3525 description : OPTIONAL DescriptorSelect;	4450 description : OPTIONAL DescriptorSelect;
3526 versionId : OPTIONAL IdentifierSelect;	4451 versionId : OPTIONAL IdentifierSelect;
3527 classifiedAs : OPTIONAL SET[1:?] OF Classification	4452 classifiedAs : OPTIONAL SET[1:?] OF Classification
3528 propertyType : ClassSelect;	4453 propertyType : ClassSelect;
3529 allowedUnits : OPTIONAL SET[1:?] OF UnitSelect;	4454 allowedUnits : OPTIONAL SET[1:?] OF UnitSelect;
3530 END_ENTITY;	4455 END_ENTITY;
3531	4456
3532 ENTITY PropertyDefinitionAssignment;	4457 ENTITY PropertyDefinitionAssignment;
3533 id : OPTIONAL IdentifierSelect;	4458 id : OPTIONAL IdentifierSelect;
3534 description : OPTIONAL DescriptorSelect;	4459 description : OPTIONAL DescriptorSelect;
3535 classifiedAs : OPTIONAL SET[1:?] OF Classification	4460 classifiedAs : OPTIONAL SET[1:?] OF Classification
3536 role : OPTIONAL ClassSelect;	4461 role : OPTIONAL ClassSelect;
3537 assignedPropertyDefinition : PropertyDefinitionSel	4462 assignedPropertyDefinition : PropertyDefinitionSel
3538 assignedTo : PropertyAssignmentSelect;	4463 assignedTo : PropertyAssignmentSelect;
3539 allowedUnits : OPTIONAL SET[1:?] OF UnitSelect;	4464 allowedUnits : OPTIONAL SET[1:?] OF UnitSelect;
3540 UNIQUE	4465 UNIQUE
3541 UR1: assignedTo, assignedPropertyDefinition;	4466 UR1: assignedTo, assignedPropertyDefinition;
3542 END_ENTITY;	4467 END_ENTITY;
3543	4468
3544 ENTITY PropertyDefinitionAssignmentRelationship;	4469 ENTITY PropertyDefinitionAssignmentRelationship;
	4470 id : OPTIONAL IdentifierSelect;
3545 description : OPTIONAL DescriptorSelect;	4471 description : OPTIONAL DescriptorSelect;
3546 classifiedAs : OPTIONAL SET[1:?] OF Classification	4472 classifiedAs : OPTIONAL SET[1:?] OF Classification
3547 relationType : ClassSelect;	4473 relationType : ClassSelect;
3548 relating : PropertyDefinitionAssignment;	4474 relating : PropertyDefinitionAssignment;
3549 related : PropertyDefinitionAssignment;	4475 related : PropertyDefinitionAssignment;
3550 WHERE	4476 WHERE
3551 WR1: relating :<>: related;	4477 WR1: relating :<>: related;
3552 END_ENTITY;	4478 END_ENTITY;
3553	4479
3554 ENTITY PropertyDefinitionRelationship;	4480 ENTITY PropertyDefinitionRelationship;
	4481 id : OPTIONAL IdentifierSelect;
3555 description : OPTIONAL DescriptorSelect;	4482 description : OPTIONAL DescriptorSelect;
3556 classifiedAs : OPTIONAL SET[1:?] OF Classification	4483 classifiedAs : OPTIONAL SET[1:?] OF Classification
3557 relationType : ClassSelect;	4484 relationType : ClassSelect;
3558 relating : PropertyDefinitionSelect;	4485 relating : PropertyDefinitionSelect;
3559 related : PropertyDefinitionSelect;	4486 related : PropertyDefinitionSelect;
3560 WHERE	4487 WHERE
3561 WR1: relating :<>: related;	4488 WR1: relating :<>: related;
3562 END_ENTITY;	4489 END_ENTITY;
3563	4490

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3564 ENTITY PropertyValue	4491 ENTITY PropertyValue
3565 ABSTRACT	4492 ABSTRACT
3566 SUPERTYPE OF(ONEOF(StringValue, ValueList, ValueSe	4493 SUPERTYPE OF(ONEOF(StringValue, ValueList, ValueSe
3567 name : OPTIONAL DescriptorSelect;	4494 name : OPTIONAL DescriptorSelect;
3568 classifiedAs : OPTIONAL SET[1:?] OF Classification	4495 classifiedAs : OPTIONAL SET[1:?] OF Classification
3569 definition : PropertyDefinitionSelect;	4496 definition : PropertyDefinitionSelect;
3570 determinationMethod : OPTIONAL ClassSelect;	4497 determinationMethod : OPTIONAL ClassSelect;
3571 qualifications : OPTIONAL SET[1:?] OF MeasureQuali	4498 qualifications : OPTIONAL SET[1:?] OF MeasureQuali
3572 WHERE	4499 WHERE
3573 encapsulated: SIZEOF(USEDIN(SELF,'')-	4500 encapsulated: SIZEOF(USEDIN(SELF,'')-
3574 (USEDIN(SELF, SCHEMA_NAME + 'PROPERTYVALUERELATIONS	4501 (USEDIN(SELF, SCHEMA_NAME + 'PROPERTYVALUERELATIONS
3575 USEDIN(SELF, SCHEMA_NAME + 'PROPERTYVALUERELATIONSH	4502 USEDIN(SELF, SCHEMA_NAME + 'PROPERTYVALUERELATIONSH
3576 END_ENTITY;	4503 END_ENTITY;
3577	4504
3578 ENTITY PropertyValueAssignment;	4505 ENTITY PropertyValueAssignment;
3579 id : OPTIONAL IdentifierSelect;	4506 id : OPTIONAL IdentifierSelect;
3580 description : OPTIONAL DescriptorSelect;	4507 description : OPTIONAL DescriptorSelect;
3581 classifiedAs : OPTIONAL SET[1:?] OF Classification	4508 classifiedAs : OPTIONAL SET[1:?] OF Classification
3582 role : OPTIONAL ClassSelect;	4509 role : OPTIONAL ClassSelect;
3583 assignedPropertyValues : SET[1:?] OF PropertyValue	4510 assignedPropertyValues : SET[1:?] OF PropertyValue
3584 assignedTo : PropertyAssignmentSelect;	4511 assignedTo : PropertyAssignmentSelect;
3585 valueAssignmentContext : OPTIONAL PropertyDefiniti	4512 valueAssignmentContext : OPTIONAL PropertyDefiniti
3586 END_ENTITY;	4513 END_ENTITY;
3587	4514
3588 ENTITY PropertyValueAssignmentRelationship;	4515 ENTITY PropertyValueAssignmentRelationship;
	4516 id : OPTIONAL IdentifierSelect;
3589 description : OPTIONAL DescriptorSelect;	4517 description : OPTIONAL DescriptorSelect;
3590 classifiedAs : OPTIONAL SET[1:?] OF Classification	4518 classifiedAs : OPTIONAL SET[1:?] OF Classification
3591 relationType : ClassSelect;	4519 relationType : ClassSelect;
3592 relating : PropertyValueAssignment;	4520 relating : PropertyValueAssignment;
3593 related : PropertyValueAssignment;	4521 related : PropertyValueAssignment;
3594 WHERE	4522 WHERE
3595 WR1: relating :<>: related;	4523 WR1: relating :<>: related;
3596 END_ENTITY;	4524 END_ENTITY;
3597	4525
3598 ENTITY PropertyValueRelationship;	4526 ENTITY PropertyValueRelationship;
	4527 id : OPTIONAL IdentifierSelect;
3599 description : OPTIONAL DescriptorSelect;	4528 description : OPTIONAL DescriptorSelect;
3600 classifiedAs : OPTIONAL SET[1:?] OF Classification	4529 classifiedAs : OPTIONAL SET[1:?] OF Classification
3601 relationType : ClassSelect;	4530 relationType : ClassSelect;
3602 relating : PropertyValue;	4531 relating : PropertyValue;
3603 related : PropertyValue;	4532 related : PropertyValue;
3604 WHERE	4533 WHERE
3605 WR1: relating :<>: related;	4534 WR1: relating :<>: related;
3606 END_ENTITY;	4535 END_ENTITY;
3607	4536
3608 ENTITY Proxy;	4537 ENTITY Proxy;
3609 individual : ProxyItemSelect;	4538 individual : ProxyItemSelect;
3610 END_ENTITY;	4539 END_ENTITY;
3611	4540
3612 ENTITY ProxyRelationship;	4541 ENTITY ProxyRelationship;
	4542 id : OPTIONAL IdentifierSelect;
3613 description : OPTIONAL DescriptorSelect;	4543 description : OPTIONAL DescriptorSelect;
3614 classifiedAs : OPTIONAL SET[1:?] OF Classification	4544 classifiedAs : OPTIONAL SET[1:?] OF Classification
3615 relationType : ClassSelect;	4545 relationType : ClassSelect;
3616 relating : Proxy;	4546 relating : Proxy;
3617 related : Proxy;	4547 related : Proxy;
3618 WHERE	4548 WHERE
3619 WR1: relating :<>: related;	4549 WR1: relating :<>: related;
3620 END_ENTITY;	4550 END_ENTITY;
3621	4551
3622 ENTITY QualitativeUncertainty	4552 ENTITY QualitativeUncertainty
3623 SUBTYPE OF(UncertaintyQualifier);	4553 SUBTYPE OF(UncertaintyQualifier);
3624 uncertaintyValue : MultiLingualStringSelect;	4554 uncertaintyValue : MultiLingualStringSelect;
3625 END_ENTITY;	4555 END_ENTITY;
3626	4556
3627 ENTITY QuantifiedPartOccurrence	4557 ENTITY QuantifiedOccurrence
3628 SUBTYPE OF(PartOccurrence);	4558 SUBTYPE OF(Occurrence);
3629 quantity : NumericalValue;	4559 quantity : NumericalValue;
3630 END_ENTITY;	4560 END_ENTITY;
3631	4561
3632 ENTITY RealizationOrOccurrenceRelationship;	4562 ENTITY RealizedIndividualPart
3633 description : OPTIONAL DescriptorSelect;	4563 SUBTYPE OF(IndividualPartVersion);
3634 classifiedAs : OPTIONAL SET[1:?] OF Classification	
3635 relationType : ClassSelect;	
3636 relating : BreakdownElementOrAlternativeSolutionSe	
3637 related : BreakdownElementOrPartOccurrenceSelect;	
3638 WHERE	
3639 WR1: relating :<>: related;	
3640 END_ENTITY;	4564 END_ENTITY;
3641	4565
3642 ENTITY RectangularSize	4566 ENTITY RectangularSize
3643 SUPERTYPE OF(ONEOF(NamedSize));	4567 SUPERTYPE OF(ONEOF(NamedSize));
3644 density : OPTIONAL ValueWithUnit;	4568 density : OPTIONAL ValueWithUnit;
3645 height : OPTIONAL ValueWithUnit;	4569 height : OPTIONAL ValueWithUnit;
3646 width : OPTIONAL ValueWithUnit;	4570 width : OPTIONAL ValueWithUnit;
3647 END_ENTITY;	4571 END_ENTITY;
3648	4572
	4573 ENTITY RectangularTrimmedSurface
	4574 SUBTYPE OF(Surface);
	4575 END_ENTITY;
	4576

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3649 ENTITY ReinforcementOrientationBasis;              4577 ENTITY ReinforcementOrientationBasis;
3650   id : OPTIONAL IdentifierSelect;                  4578   id : OPTIONAL IdentifierSelect;
3651   name : OPTIONAL DescriptorSelect;                4579   name : OPTIONAL DescriptorSelect;
3652   description : OPTIONAL DescriptorSelect;         4580   description : OPTIONAL DescriptorSelect;
3653   coordinateSpace : GeometricCoordinateSpace;      4581   coordinateSpace : GeometricCoordinateSpace;
3654   placement : CoordinateSystem;                    4582   placement : AxisPlacement;
3655 INVERSE                                            4583 INVERSE
3656   tables : SET[1:?] OF LaminateTable FOR basis;    4584   tables : SET[1:?] OF LaminateTable FOR basis;
3657 END_ENTITY;                                        4585 END_ENTITY;
3658                                                    4586
3659 ENTITY ReplacedPartViewRelationship               4587 ENTITY ReplacedPartViewRelationship
3660   SUBTYPE OF(PartViewRelationship);                4588   SUBTYPE OF(PartViewRelationship);
3661 DERIVE                                             4589 DERIVE
3662   SELF\PartViewRelationship.relationType : ClassStri  4590   SELF\PartViewRelationship.relationType : ClassStri
3663 END_ENTITY;                                        4591 END_ENTITY;
3664                                                    4592
3665 ENTITY ReplacedUsageRelationship                  4593 ENTITY ReplacedUsageRelationship
3666   SUBTYPE OF(PartOccurrenceRelationship);          4594   SUBTYPE OF(OccurrenceRelationship);
3667   usageContext : PartOccurrenceUsageContextSelect; 4595   usageContext : OccurrenceUsageContextSelect;
3668 DERIVE                                             4596 DERIVE
3669   SELF\PartOccurrenceRelationship.relationType : Cla  4597   SELF\OccurrenceRelationship.relationType : ClassSt
                                                        4598 END_ENTITY;
                                                        4599
                                                        4600 ENTITY RepresentationItem
                                                        4601   ABSTRACT
                                                        4602   SUPERTYPE OF(ONEOF(DetailedGeometricModelItem, Ext
                                                        4603   name : OPTIONAL DescriptorSelect;
                                                        4604   external : OPTIONAL ExternalItem;
3670 END_ENTITY;                                        4605 END_ENTITY;
3671                                                    4606
3672 ENTITY Requirement;                               4607 ENTITY Requirement;
3673   id : IdentifierSelect;                           4608   id : IdentifierSelect;
3674   name : DescriptorSelect;                         4609   name : DescriptorSelect;
3675   description : OPTIONAL DescriptorSelect;         4610   description : OPTIONAL DescriptorSelect;
3676   classifiedAs : OPTIONAL SET[1:?] OF Classification  4611   classifiedAs : OPTIONAL SET[1:?] OF Classification
3677   sameAs : OPTIONAL SET[1:?] OF ProxySelect;       4612   sameAs : OPTIONAL SET[1:?] OF ProxySelect;
3678   versions : OPTIONAL SET[1:?] OF RequirementVersion  4613   versions : OPTIONAL SET[1:?] OF RequirementVersion
3679 END_ENTITY;                                        4614 END_ENTITY;
3680                                                    4615
3681 ENTITY RequirementAssignment;                     4616 ENTITY RequirementAssignment;
3682   id : OPTIONAL IdentifierSelect;                  4617   id : OPTIONAL IdentifierSelect;
3683   description : OPTIONAL DescriptorSelect;         4618   description : OPTIONAL DescriptorSelect;
3684   classifiedAs : OPTIONAL SET[1:?] OF Classification  4619   classifiedAs : OPTIONAL SET[1:?] OF Classification
3685   assignedRequirement : RequirementVersionOrViewSele  4620   assignedRequirement : RequirementView;
3686   assignedTo : RequirementAssignmentSelect;        4621   assignedTo : RequirementAssignmentSelect;
3687 END_ENTITY;                                        4622 END_ENTITY;
3688                                                    4623
3689 ENTITY RequirementCollectionRelationship          4624 ENTITY RequirementCollectionRelationship
3690   SUBTYPE OF(RequirementViewRelationship);         4625   SUBTYPE OF(RequirementViewRelationship);
3691 DERIVE                                             4626 DERIVE
3692   SELF\RequirementViewRelationship.relationType : Cl  4627   SELF\RequirementViewRelationship.relationType : Cl
3693 END_ENTITY;                                        4628 END_ENTITY;
3694                                                    4629
3695 ENTITY RequirementDecompositionRelationship       4630 ENTITY RequirementDecompositionRelationship
3696   SUBTYPE OF(RequirementCollectionRelationship);   4631   SUBTYPE OF(RequirementCollectionRelationship);
3697 DERIVE                                             4632 DERIVE
3698   SELF\RequirementViewRelationship.relationType : Cl  4633   SELF\RequirementViewRelationship.relationType : Cl
3699 END_ENTITY;                                        4634 END_ENTITY;
3700                                                    4635
                                                        4636 ENTITY RequirementRelationship;
                                                        4637   id : OPTIONAL IdentifierSelect;
                                                        4638   description : OPTIONAL DescriptorSelect;
                                                        4639   classifiedAs : OPTIONAL SET[1:?] OF Classification
                                                        4640   relationType : ClassSelect;
                                                        4641   relating : Requirement;
                                                        4642   related : Requirement;
                                                        4643 WHERE
                                                        4644   WR1: relating :<>: related;
                                                        4645 END_ENTITY;
                                                        4646
3701 ENTITY RequirementSatisfactionAssertion;          4647 ENTITY RequirementSatisfactionAssertion;
3702   id : OPTIONAL IdentifierSelect;                  4648   id : OPTIONAL IdentifierSelect;
3703   description : OPTIONAL DescriptorSelect;         4649   description : OPTIONAL DescriptorSelect;
3704   classifiedAs : OPTIONAL SET[1:?] OF Classification  4650   classifiedAs : OPTIONAL SET[1:?] OF Classification
3705   assertedBy : OPTIONAL SET[1:?] OF DateAndPersonOrg  4651   assertedBy : OPTIONAL SET[1:?] OF DateAndPersonOrg
3706   relatedAssignment : OPTIONAL RequirementAssignment  4652   relatedAssignment : OPTIONAL RequirementAssignment
3707   satisfiedBy : RequirementAssignmentSelect;       4653   satisfiedBy : RequirementAssignmentSelect;
3708   satisfiedRequirement : RequirementVersionOrViewSel  4654   satisfiedRequirement : RequirementView;
3709 END_ENTITY;                                        4655 END_ENTITY;
3710                                                    4656
3711 ENTITY RequirementSequenceRelationship            4657 ENTITY RequirementSequenceRelationship
3712   SUBTYPE OF(RequirementVersionRelationship);      4658   SUBTYPE OF(RequirementVersionRelationship);
3713 DERIVE                                             4659 DERIVE
3714   SELF\RequirementVersionRelationship.relationType :  4660   SELF\RequirementVersionRelationship.relationType :
3715 END_ENTITY;                                        4661 END_ENTITY;
3716                                                    4662
3717 ENTITY RequirementSourceAssociation;              4663 ENTITY RequirementSource;
3718   id : OPTIONAL IdentifierSelect;                  4664   id : OPTIONAL IdentifierSelect;
3719   description : OPTIONAL DescriptorSelect;         4665   description : OPTIONAL DescriptorSelect;
3720   classifiedAs : OPTIONAL SET[1:?] OF Classification  4666   classifiedAs : OPTIONAL SET[1:?] OF Classification
3721   sameAs : OPTIONAL SET[1:?] OF ProxySelect;       4667   sameAs : OPTIONAL SET[1:?] OF ProxySelect;
3722   source : RequirementSourceSelect;                4668   source : RequirementSourceSelect;
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3723   sourcedRequirement : RequirementVersionOrViewSelec    4669   sourcedRequirement : RequirementView;
3724 END_ENTITY;                                              4670 END_ENTITY;
3725                                                          4671
3726 ENTITY RequirementTracingRelationship                   4672 ENTITY RequirementTracingRelationship
3727   SUBTYPE OF(RequirementViewRelationship);              4673   SUBTYPE OF(RequirementViewRelationship);
3728 DERIVE                                                   4674 DERIVE
3729   SELF\RequirementViewRelationship.relationType : Cl    4675   SELF\RequirementViewRelationship.relationType : Cl
3730 END_ENTITY;                                              4676 END_ENTITY;
3731                                                          4677
3732 ENTITY RequirementVersion;                               4678 ENTITY RequirementVersion;
3733   id : IdentifierSelect;                                4679   id : IdentifierSelect;
3734   description : OPTIONAL DescriptorSelect;               4680   description : OPTIONAL DescriptorSelect;
3735   classifiedAs : OPTIONAL SET[1:?] OF Classification    4681   classifiedAs : OPTIONAL SET[1:?] OF Classification
3736   sameAs : OPTIONAL SET[1:?] OF ProxySelect;            4682   sameAs : OPTIONAL SET[1:?] OF ProxySelect;
3737   views : OPTIONAL SET[1:?] OF RequirementView;         4683   views : OPTIONAL SET[1:?] OF RequirementView;
3738 INVERSE                                                  4684 INVERSE
3739   versionOf : Requirement FOR versions;                 4685   versionOf : Requirement FOR versions;
3740 END_ENTITY;                                              4686 END_ENTITY;
3741                                                          4687
3742 ENTITY RequirementVersionRelationship;                  4688 ENTITY RequirementVersionRelationship;
                                                              4689   id : OPTIONAL IdentifierSelect;
3743   description : OPTIONAL DescriptorSelect;               4690   description : OPTIONAL DescriptorSelect;
3744   classifiedAs : OPTIONAL SET[1:?] OF Classification    4691   classifiedAs : OPTIONAL SET[1:?] OF Classification
3745   relationType : ClassSelect;                           4692   relationType : ClassSelect;
3746   relating : RequirementVersion;                        4693   relating : RequirementVersion;
3747   related : RequirementVersion;                         4694   related : RequirementVersion;
3748 WHERE                                                    4695 WHERE
3749   WR1: relating :<>: related;                           4696   WR1: relating :<>: related;
3750 END_ENTITY;                                              4697 END_ENTITY;
3751                                                          4698
3752 ENTITY RequirementView;                                  4699 ENTITY RequirementView;
3753   id : OPTIONAL IdentifierSelect;                        4700   id : OPTIONAL IdentifierSelect;
3754   description : OPTIONAL DescriptorSelect;               4701   description : OPTIONAL DescriptorSelect;
3755   classifiedAs : OPTIONAL SET[1:?] OF Classification    4702   classifiedAs : OPTIONAL SET[1:?] OF Classification
3756   additionalContexts : OPTIONAL SET[1:?] OF ViewCont    4703   additionalContexts : OPTIONAL SET[1:?] OF ViewCont
3757   definitionalRepresentations : SET[1:?] OF Property    4704   definitionalRepresentations : SET[1:?] OF Property
3758   initialContext : ViewContext;                         4705   initialContext : ViewContext;
3759   sameAs : OPTIONAL SET[1:?] OF ProxySelect;            4706   sameAs : OPTIONAL SET[1:?] OF ProxySelect;
3760 INVERSE                                                  4707 INVERSE
3761   viewOf : RequirementVersion FOR views;                4708   viewOf : RequirementVersion FOR views;
3762 END_ENTITY;                                              4709 END_ENTITY;
3763                                                          4710
3764 ENTITY RequirementViewRelationship                       4711 ENTITY RequirementViewRelationship
3765   SUPERTYPE OF(ONEOF(RequirementCollectionRelationsh    4712   SUPERTYPE OF(ONEOF(RequirementCollectionRelationsh
3766   description : OPTIONAL DescriptorSelect;               4713   description : OPTIONAL DescriptorSelect;
3767   classifiedAs : OPTIONAL SET[1:?] OF Classification    4714   classifiedAs : OPTIONAL SET[1:?] OF Classification
3768   relationType : ClassSelect;                           4715   relationType : ClassSelect;
3769   relating : RequirementView;                           4716   relating : RequirementView;
3770   related : RequirementView;                            4717   related : RequirementView;
3771 WHERE                                                    4718 WHERE
3772   WR1: relating :<>: related;                           4719   WR1: relating :<>: related;
3773 END_ENTITY;                                              4720 END_ENTITY;
3774                                                          4721
3775 ENTITY RetentionPeriod;                                  4722 ENTITY RetentionPeriod;
3776   id : OPTIONAL IdentifierSelect;                        4723   id : OPTIONAL IdentifierSelect;
3777   description : OPTIONAL DescriptorSelect;               4724   description : OPTIONAL DescriptorSelect;
3778   classifiedAs : OPTIONAL SET[1:?] OF Classification    4725   classifiedAs : OPTIONAL SET[1:?] OF Classification
3779   assignedTo : SET[1:?] OF GeneralOrganizationalData   4726   assignedTo : SET[1:?] OF GeneralOrganizationalData
3780   earliestEnd : PeriodOrDateSelect;                     4727   earliestEnd : PeriodOrDateSelect;
3781   latestEnd : PeriodOrDateSelect;                       4728   latestEnd : PeriodOrDateSelect;
3782   start : EventOrDateSelect;                            4729   start : EventOrDateSelect;
3783 END_ENTITY;                                              4730 END_ENTITY;
3784                                                          4731
3785 ENTITY RotationAboutDirection                            4732 ENTITY RotationAboutDirection
3786   SUBTYPE OF (DetailedGeometricModelElement);           4733   SUBTYPE OF(DetailedGeometricModelItem);
3787   directionOfAxis : Direction;                          4734   directionOfAxis : Direction;
3788   rotationAngle : PlaneAngleMeasure;                    4735   rotationAngle : PlaneAngleMeasure;
3789 END_ENTITY;                                              4736 END_ENTITY;
3790                                                          4737
3791 ENTITY SameTimeMachiningRelationship                     4738 ENTITY SameTimeMachiningRelationship
3792   SUBTYPE OF(PartOccurrenceRelationship);               4739   SUBTYPE OF(OccurrenceRelationship);
3793   placement : OPTIONAL TransformationSelect;            4740   placement : OPTIONAL TransformationSelect;
3794 DERIVE                                                   4741 DERIVE
3795   SELF\PartOccurrenceRelationship.relationType : Cla   4742   SELF\OccurrenceRelationship.relationType : ClassSt
                                                              4743 WHERE
                                                              4744   WR1: NOT ('GEOMETRICREPRESENTATIONRELATIONSHIPWITH
3796 END_ENTITY;                                              4745 END_ENTITY;
3797                                                          4746
3798 ENTITY SecurityClassification;                           4747 ENTITY SecurityClassification;
3799   id : IdentifierSelect;                                4748   id : IdentifierSelect;
3800   description : OPTIONAL DescriptorSelect;               4749   description : OPTIONAL DescriptorSelect;
                                                              4750   classifiedAs : OPTIONAL SET[1:?] OF Classification
3801   level : ClassSelect;                                  4751   level : ClassSelect;
3802 END_ENTITY;                                              4752 END_ENTITY;
3803                                                          4753
3804 ENTITY SecurityClassificationAssignment;                 4754 ENTITY SecurityClassificationAssignment;
3805   id : OPTIONAL IdentifierSelect;                        4755   id : OPTIONAL IdentifierSelect;
3806   description : OPTIONAL DescriptorSelect;               4756   description : OPTIONAL DescriptorSelect;
3807   classifiedAs : OPTIONAL SET[1:?] OF Classification    4757   classifiedAs : OPTIONAL SET[1:?] OF Classification
3808   role : OPTIONAL ClassSelect;                          4758   role : OPTIONAL ClassSelect;
3809   assignedSecurityClassification : SecurityClassific   4759   assignedSecurityClassification : SecurityClassific
3810   assignedTo : SET[1:?] OF SecurityClassificationSel   4760   assignedTo : SET[1:?] OF SecurityClassificationAss
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3811 END_ENTITY;                                          4761 END_ENTITY;
3812                                                       4762
3813 ENTITY SelectedPartOccurrence                        4763 ENTITY SelectedOccurrence
3814   SUBTYPE OF(PartOccurrence);                         4764   SUBTYPE OF(Occurrence);
3815   criterion : MultiLingualStringSelect;              4765   criterion : MultiLingualStringSelect;
3816   quantity : ValueWithUnit;                          4766   quantity : ValueWithUnit;
3817 END_ENTITY;                                           4767 END_ENTITY;
3818                                                       4768
3819 ENTITY SerialConfiguration
3820   SUBTYPE OF(ManufacturingConfiguration);
3821   endNumber : OPTIONAL IdentifierSelect;
3822   startNumber : IdentifierSelect;
3823 END_ENTITY;
3824
3825 ENTITY SerialEffectivity                             4769 ENTITY SerialEffectivity
3826   SUBTYPE OF(Effectivity);                           4770   SUBTYPE OF(Effectivity);
3827   endNumber : OPTIONAL IdentifierSelect;             4771   endNumber : OPTIONAL IdentifierSelect;
3828   startNumber : IdentifierSelect;                    4772   startNumber : IdentifierSelect;
3829 END_ENTITY;                                           4773 END_ENTITY;
3830                                                       4774
3831 ENTITY SetMembership;                                4775 ENTITY SetMembership;
3832   member : ProxyItemSelect;                          4776   member : ProxyItemSelect;
3833   ofSet : ClassSelect;                               4777   ofSet : ClassSelect;
3834 END_ENTITY;                                           4778 END_ENTITY;
3835                                                       4779
3836 ENTITY ShapeDependentProperty                        4780 ENTITY ShapeDependentProperty
3837   ABSTRACT                                           4781   ABSTRACT
3838   SUPERTYPE OF(ONEOF(CentreOfMass, GeneralShapeDepen 4782   SUPERTYPE OF(ONEOF(CentreOfMass, GeneralShapeDepen
3839   id : OPTIONAL IdentifierSelect;                    4783   id : OPTIONAL IdentifierSelect;
3840   description : OPTIONAL DescriptorSelect;           4784   description : OPTIONAL DescriptorSelect;
3841   classifiedAs : OPTIONAL SET[1:?] OF Classification 4785   classifiedAs : OPTIONAL SET[1:?] OF Classification
3842   role : OPTIONAL ClassSelect;                       4786   role : OPTIONAL ClassSelect;
3843   assignedTo : ShapedElementSelect;                  4787   assignedTo : ShapedElementSelect;
3844   definedIn : OPTIONAL GeometricCoordinateSpace;     4788   definedIn : OPTIONAL GeometricCoordinateSpace;
3845   valueDetermination : OPTIONAL ClassSelect;         4789   valueDetermination : OPTIONAL ClassSelect;
3846 END_ENTITY;                                           4790 END_ENTITY;
3847                                                       4791
3848 ENTITY ShapeDescriptionAssociation;
3849   description : OPTIONAL DescriptorSelect;
3850   classifiedAs : OPTIONAL SET[1:?] OF Classification
3851   role : OPTIONAL ClassSelect;
3852   definingGeometry : GeometricModelOrExternalReprese
3853   isDefiningShapeFor : ShapeInformationSelect;
3854 END_ENTITY;
3855
3856 ENTITY ShapeElement                                  4792 ENTITY ShapeElement
3857   SUPERTYPE OF(ONEOF(CoatingLayer));                 4793   SUPERTYPE OF(ONEOF(CoatingLayer));
3858   id : OPTIONAL IdentifierSelect;                    4794   id : OPTIONAL IdentifierSelect;
3859   name : OPTIONAL DescriptorSelect;                  4795   name : OPTIONAL DescriptorSelect;
3860   description : OPTIONAL DescriptorSelect;           4796   description : OPTIONAL DescriptorSelect;
3861 INVERSE                                              4797   classifiedAs : OPTIONAL SET[1:?] OF Classification
3862   containingShape : PartShape FOR elements;          4798   elementOf : PartInformationSelect;
                                                          4799   representedGeometry : OPTIONAL RepresentationItem;
3863 END_ENTITY;                                           4800 END_ENTITY;
3864                                                       4801
3865 ENTITY ShapeElementRelationship;                     4802 ENTITY ShapeElementRelationship;
                                                          4803   id : OPTIONAL IdentifierSelect;
3866   description : OPTIONAL DescriptorSelect;           4804   description : OPTIONAL DescriptorSelect;
3867   classifiedAs : OPTIONAL SET[1:?] OF Classification 4805   classifiedAs : OPTIONAL SET[1:?] OF Classification
3868   relationType : ClassSelect;                        4806   relationType : ClassSelect;
3869   relating : ShapeElement;                           4807   relating : ShapeElement;
3870   related : ShapeElement;                            4808   related : ShapeElement;
                                                          4809   representedGeometry : OPTIONAL RepresentationItem;
3871 WHERE                                                4810 WHERE
3872   WR1: relating :<>: related;                        4811   WR1: relating :<>: related;
3873 END_ENTITY;                                           4812 END_ENTITY;
3874                                                       4813
3875 ENTITY SinglePartOccurrence                          4814 ENTITY SingleOccurrence
3876   SUBTYPE OF(PartOccurrence);                        4815   SUBTYPE OF(Occurrence);
3877 END_ENTITY;                                           4816 END_ENTITY;
3878                                                       4817
3879 ENTITY SizeProperty;                                 4818 ENTITY SizeProperty;
3880   description : OPTIONAL DescriptorSelect;           4819   description : OPTIONAL DescriptorSelect;
3881   fileSize : OPTIONAL ValueWithUnit;                 4820   fileSize : OPTIONAL ValueWithUnit;
3882   pageCount : OPTIONAL ValueWithUnit;                4821   pageCount : OPTIONAL ValueWithUnit;
3883 END_ENTITY;                                           4822 END_ENTITY;
3884                                                       4823
3885 ENTITY SmearedMaterial                               4824 ENTITY SmearedMaterial
3886   SUBTYPE OF(ZoneStructuralMakeup);                  4825   SUBTYPE OF(ZoneStructuralMakeup);
3887   totalThickness : NumericalValue;                   4826   totalThickness : NumericalValue;
3888 END_ENTITY;                                           4827 END_ENTITY;
3889                                                       4828
3890 ENTITY Specification;                                4829 ENTITY Specification;
3891   id : IdentifierSelect;                             4830   id : IdentifierSelect;
3892   name : OPTIONAL DescriptorSelect;                  4831   name : OPTIONAL DescriptorSelect;
3893   description : OPTIONAL DescriptorSelect;           4832   description : OPTIONAL DescriptorSelect;
3894   versionId : OPTIONAL IdentifierSelect;             4833   versionId : OPTIONAL IdentifierSelect;
3895   classifiedAs : OPTIONAL SET[1:?] OF Classification 4834   classifiedAs : OPTIONAL SET[1:?] OF Classification
3896   category : SpecificationCategory;                  4835   category : SpecificationCategory;
3897   package : BOOLEAN;                                 4836   package : BOOLEAN;
3898 END_ENTITY;                                           4837 END_ENTITY;
3899                                                       4838
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	4839 ENTITY SpecificationAssignment;
	4840 description : OPTIONAL DescriptorSelect;
	4841 classifiedAs : OPTIONAL SET[1:?] OF Classification
	4842 associationType : ClassSelect;
	4843 assignedSpecification : Specification;
	4844 assignedTo : ProductClass;
	4845 END_ENTITY;
	4846
3900 ENTITY SpecificationCategory;	4847 ENTITY SpecificationCategory;
3901 id : IdentifierSelect;	4848 id : IdentifierSelect;
3902 description : DescriptorSelect;	4849 description : DescriptorSelect;
3903 classifiedAs : OPTIONAL SET[1:?] OF Classification	4850 classifiedAs : OPTIONAL SET[1:?] OF Classification
3904 implicitExclusiveCondition : BOOLEAN;	4851 implicitExclusiveCondition : BOOLEAN;
3905 END_ENTITY;	4852 END_ENTITY;
3906	4853
	4854 ENTITY SpecificationCategoryAssignment;
	4855 description : OPTIONAL DescriptorSelect;
	4856 classifiedAs : OPTIONAL SET[1:?] OF Classification
	4857 assignedCategory : SpecificationCategory;
	4858 assignedTo : ProductClass;
	4859 mandatory : BOOLEAN;
	4860 END_ENTITY;
	4861
3907 ENTITY SpecificationCategoryHierarchy;	4862 ENTITY SpecificationCategoryHierarchy;
3908 description : OPTIONAL DescriptorSelect;	4863 description : OPTIONAL DescriptorSelect;
3909 classifiedAs : OPTIONAL SET[1:?] OF Classification	4864 classifiedAs : OPTIONAL SET[1:?] OF Classification
3910 subCategory : SpecificationCategory;	4865 subCategory : SpecificationCategory;
3911 superCategory : SpecificationCategory;	4866 superCategory : SpecificationCategory;
3912 END_ENTITY;	4867 END_ENTITY;
3913	4868
3914 ENTITY SpecificationExpression;	4869 ENTITY SpecificationConditionAssignment;
3915 id : OPTIONAL IdentifierSelect;	
3916 description : OPTIONAL DescriptorSelect;	4870 description : OPTIONAL DescriptorSelect;
3917 classifiedAs : OPTIONAL SET[1:?] OF Classification	4871 classifiedAs : OPTIONAL SET[1:?] OF Classification
3918 operands : SET[1:?] OF SpecificationOperandSelect;	4872 conditionType : ClassSelect;
3919 theOperation : SpecificationExpressionOperationEnu	4873 assignedCondition : Condition;
	4874 assignedTo : ProductClass;
3920 END_ENTITY;	4875 END_ENTITY;
3921	4876
3922 ENTITY SpecificationInclusion;	4877 ENTITY SpecificationInclusion;
3923 id : OPTIONAL IdentifierSelect;	4878 id : OPTIONAL IdentifierSelect;
3924 description : OPTIONAL DescriptorSelect;	4879 description : OPTIONAL DescriptorSelect;
3925 classifiedAs : OPTIONAL SET[1:?] OF Classification	4880 classifiedAs : OPTIONAL SET[1:?] OF Classification
3926 ifCondition : SpecificationOperandSelect;	4881 ifCondition : ConditionParameterSelect;
3927 includedSpecification : SpecificationOperandSelect	4882 includedSpecification : ConditionParameterSelect;
	4883 END_ENTITY;
	4884
	4885 ENTITY SpecificationInclusionAssignment;
	4886 description : OPTIONAL DescriptorSelect;
	4887 classifiedAs : OPTIONAL SET[1:?] OF Classification
	4888 assignedInclusion : SpecificationInclusion;
	4889 assignedTo : ProductClass;
3928 END_ENTITY;	4890 END_ENTITY;
3929	4891
3930 ENTITY SpecifiedPartOccurrence	4892 ENTITY SpecifiedOccurrence
3931 SUBTYPE OF(PartOccurrence);	4893 SUBTYPE OF(Occurrence);
3932 assemblyContext : AssemblyDefinition;	4894 assemblyContext : AssemblyDefinition;
3933 subAssemblyRelationship : PartOccurrence;	4895 subAssemblyRelationship : Occurrence;
3934 upperAssemblyRelationship : PartOccurrence;	4896 upperAssemblyRelationship : Occurrence;
3935 END_ENTITY;	4897 END_ENTITY;
3936	4898
3937 ENTITY StandardUncertainty	4899 ENTITY StandardUncertainty
3938 SUPERTYPE OF(ONEOF(ExpandedUncertainty))	4900 SUPERTYPE OF(ONEOF(ExpandedUncertainty))
3939 SUBTYPE OF(UncertaintyQualifier);	4901 SUBTYPE OF(UncertaintyQualifier);
3940 uncertaintyValue : REAL;	4902 uncertaintyValue : REAL;
3941 END_ENTITY;	4903 END_ENTITY;
3942	4904
3943 ENTITY StockMaterial;	4905 ENTITY StockMaterial;
3944 id : IdentifierSelect;	4906 id : IdentifierSelect;
3945 name : DescriptorSelect;	4907 name : DescriptorSelect;
3946 description : OPTIONAL DescriptorSelect;	4908 description : OPTIONAL DescriptorSelect;
3947 versionId : OPTIONAL IdentifierSelect;	4909 versionId : OPTIONAL IdentifierSelect;
3948 stockMaterialType : StockCategoryEnum;	4910 stockMaterialType : StockCategoryEnum;
3949 propertyValues : SET[1:?] OF MaterialPropertyValue	4911 propertyValues : SET[1:?] OF MaterialPropertyValue
3950 referenceDirection : OPTIONAL Direction;	4912 referenceDirection : OPTIONAL Direction;
3951 END_ENTITY;	4913 END_ENTITY;
3952	4914
3953 ENTITY StringValue	4915 ENTITY StringValue
3954 SUBTYPE OF(PropertyValue);	4916 SUBTYPE OF(PropertyValue);
3955 valueComponent : MultiLingualStringSelect;	4917 valueComponent : MultiLingualStringSelect;
3956 END_ENTITY;	4918 END_ENTITY;
3957	4919
3958 ENTITY StyledModel	4920 ENTITY StyledModel
3959 SUBTYPE OF(TemplateDefinition);	4921 SUBTYPE OF(GeometricRepresentation);
3960 id : IdentifierSelect;	
3961 modelType : ClassSelect;	
3962 definedIn : DigitalFile;	4922 definedIn : DigitalFile;
3963 END_ENTITY;	4923 END_ENTITY;
3964	4924
3965 ENTITY SubsetMember;	4925 ENTITY SubsetMember;
3966 subset : ClassSelect;	4926 subset : ClassSelect;
3967 superset : ClassSelect;	4927 superset : ClassSelect;

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3968 END_ENTITY;	4928 END_ENTITY;
3969	4929
3970 ENTITY SuppliedObjectRelationship;	4930 ENTITY SuppliedObjectRelationship;
	4931 id : OPTIONAL IdentifierSelect;
3971 description : OPTIONAL DescriptorSelect;	4932 description : OPTIONAL DescriptorSelect;
3972 classifiedAs : OPTIONAL SET[1:?] OF Classification	4933 classifiedAs : OPTIONAL SET[1:?] OF Classification
3973 relating : SuppliedObjectSelect;	4934 relating : SuppliedObjectSelect;
3974 related : SuppliedObjectSelect;	4935 related : SuppliedObjectSelect;
3975 WHERE	4936 WHERE
3976 WR1: TYPEOF(relating) = TYPEOF(related);	4937 WR1: TYPEOF(relating) = TYPEOF(related);
3977 END_ENTITY;	4938 END_ENTITY;
3978	4939
3979 ENTITY SupplierSolution	4940 ENTITY SupplierSolution
3980 SUBTYPE OF(AlternativeSolution);	4941 SUBTYPE OF(AlternativeSolution);
3981 probabilityRate : OPTIONAL REAL;	4942 probabilityRate : OPTIONAL REAL;
3982 supplier : Organization;	4943 supplier : Organization;
3983 END_ENTITY;	4944 END_ENTITY;
3984	4945
	4946 ENTITY Surface
	4947 SUPERTYPE OF(ONEOF(OrientedSurface, RectangularTri
	4948 SUBTYPE OF(DetailedGeometricModelItem);
	4949 SELF\RepresentationItem.external : ExternalItem;
	4950 END_ENTITY;
	4951
3985 ENTITY SurfaceCondition;	4952 ENTITY SurfaceCondition;
3986 id : IdentifierSelect;	4953 id : IdentifierSelect;
3987 assignedTo : ShapedElementSelect;	
3988 conditionType : ClassString;	4954 conditionType : ClassString;
	4955 assignedTo : ShapedElementSelect;
3989 definedIn : DigitalFile;	4956 definedIn : DigitalFile;
3990 END_ENTITY;	4957 END_ENTITY;
3991	4958
	4959 ENTITY SurfaceCurve
	4960 SUBTYPE OF(Curve);
	4961 END_ENTITY;
	4962
3992 ENTITY SurfaceWithDirection;	4963 ENTITY SurfaceWithDirection;
3993 definingSurface : OrientedSurfaceSelect;	4964 definingSurface : Surface;
3994 materialDirection : Direction;	4965 materialDirection : Direction;
3995 END_ENTITY;	4966 END_ENTITY;
3996	4967
3997 ENTITY SystemBreakdown	4968 ENTITY SystemBreakdown
3998 SUBTYPE OF(Breakdown);	4969 SUBTYPE OF(Breakdown);
3999 DERIVE	4970 DERIVE
4000 SELF\Breakdown.breakdownType : ClassString := 'sys	4971 SELF\Breakdown.breakdownType : ClassString := 'sys
4001 END_ENTITY;	4972 END_ENTITY;
4002	4973
4003 ENTITY TechnicalSolution	4974 ENTITY TechnicalSolution
4004 SUBTYPE OF(AlternativeSolution);	4975 SUBTYPE OF(AlternativeSolution);
4005 END_ENTITY;	4976 END_ENTITY;
4006	4977
4007 ENTITY TemplateDefinition	
4008 ABSTRACT	
4009 SUPERTYPE OF(ONEOF(GeometricModel, StyledModel));	
4010 INVERSE	
4011 templateInstances : SET[0:?] OF TemplateInstance F	
4012 END_ENTITY;	
4013	
4014 ENTITY TemplateInstance	
4015 SUBTYPE OF(DetailedGeometricModelElement);	
4016 id : IdentifierSelect;	
4017 name : OPTIONAL DescriptorSelect;	
4018 definition : TemplateDefinition;	
4019 origin : CoordinateSystem;	
4020 scale : OPTIONAL REAL;	
4021 target : ExplicitTransformationSelect;	
4022 END_ENTITY;	
4023	
4024 ENTITY ThicknessLaminateTable	4978 ENTITY ThicknessLaminateTable
4025 SUBTYPE OF(ZoneStructuralMakeup);	4979 SUBTYPE OF(ZoneStructuralMakeup);
4026 tableComponents : LIST[2:?] OF ThicknessLaminateTa	4980 tableComponents : LIST[2:?] OF ThicknessLaminateTa
4027 END_ENTITY;	4981 END_ENTITY;
4028	4982
4029 ENTITY ThicknessSizeDimension;	4983 ENTITY ThicknessSizeDimension;
4030 id : IdentifierSelect;	4984 id : IdentifierSelect;
4031 appliedTo : ShapeElement;	4985 appliedTo : ShapeElement;
4032 thickness : NumericalValue;	4986 thickness : NumericalValue;
4033 END_ENTITY;	4987 END_ENTITY;
4034	4988
4035 ENTITY ThreeDGeometrySet	4989 ENTITY ThreeDGeometrySet
4036 SUBTYPE OF(ConstituentShapeRepresentation);	4990 SUBTYPE OF(ConstituentShapeRepresentation);
4037 basisRole : ClassSelect;	4991 basisRole : ClassSelect;
4038 basisSurface : ExternalSurface;	4992 basisSurface : Surface;
4039 definingBoundary : SET[1:?] OF GeometricBoundingCu	4993 definingBoundary : SET[1:?] OF GeometricBoundingCu
4040 threeDGeometry : ExternalRepresentation;	4994 threeDGeometry : ExternalGeometricModel;
4041 END_ENTITY;	4995 END_ENTITY;
4042	4996
4043 ENTITY TimeInterval;	4997 ENTITY TimeInterval
	4998 SUPERTYPE OF(ONEOF(TimeIntervalWithBounds, TimeInt
4044 id : OPTIONAL IdentifierSelect;	4999 id : OPTIONAL IdentifierSelect;
4045 name : OPTIONAL DescriptorSelect;	
4046 description : OPTIONAL DescriptorSelect;	5000 description : OPTIONAL DescriptorSelect;

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4047 endDefinition : PeriodOrDateSelect;	5001 sameAs : OPTIONAL SET[1:?] OF ProxySelect;
4048 startDefinition : EventOrDateSelect;	
4049 END_ENTITY;	5002 END_ENTITY;
4050	5003
4051 ENTITY TimeIntervalAssignment;	5004 ENTITY TimeIntervalAssignment;
4052 id : OPTIONAL IdentifierSelect;	5005 id : OPTIONAL IdentifierSelect;
4053 description : OPTIONAL DescriptorSelect;	5006 description : OPTIONAL DescriptorSelect;
4054 classifiedAs : OPTIONAL SET[1:?] OF Classification	5007 classifiedAs : OPTIONAL SET[1:?] OF Classification
4055 role : ClassSelect;	5008 role : ClassSelect;
4056 assignedTimeInterval : TimeInterval;	5009 assignedTimeInterval : TimeInterval;
4057 assignedTo : SET[1:?] OF GeneralOrganizationalData	5010 assignedTo : SET[1:?] OF GeneralOrganizationalData
4058 END_ENTITY;	5011 END_ENTITY;
4059	5012
4060 ENTITY TimeIntervalConfiguration	
4061 SUBTYPE OF(ManufacturingConfiguration);	
4062 configurationPeriod : TimeInterval;	
4063 END_ENTITY;	
4064	
4065 ENTITY TimeIntervalEffectivity	5013 ENTITY TimeIntervalEffectivity
4066 SUBTYPE OF(Effectivity);	5014 SUBTYPE OF(Effectivity);
4067 effectivityPeriod : TimeInterval;	5015 effectivityPeriod : Duration;
	5016 END_ENTITY;
	5017
	5018 ENTITY TimeIntervalRelationship;
	5019 id : OPTIONAL IdentifierSelect;
	5020 description : OPTIONAL DescriptorSelect;
	5021 classifiedAs : OPTIONAL SET[1:?] OF Classification
	5022 relationType : ClassSelect;
	5023 relating : TimeInterval;
	5024 related : TimeInterval;
	5025 WHERE
	5026 WR1: relating :<>: related;
	5027 END_ENTITY;
	5028
	5029 ENTITY TimeIntervalWithBounds
	5030 SUBTYPE OF(TimeInterval);
	5031 duration : OPTIONAL Duration;
	5032 primaryBound : OPTIONAL EventOrDateSelect;
	5033 secondaryBound : OPTIONAL EventOrDateSelect;
	5034 WHERE
	5035 WR1: NOT (EXISTS (secondaryBound) AND EXISTS (dura
	5036 WR2: EXISTS (primaryBound) OR EXISTS (secondaryBou
	5037 END_ENTITY;
	5038
	5039 ENTITY TimeIntervalWithId
	5040 SUBTYPE OF(TimeInterval);
	5041 SELF\TimeInterval.id : IdentifierSelect;
4068 END_ENTITY;	5042 END_ENTITY;
4069	5043
4070 ENTITY ToolAttachmentPointFrame	5044 ENTITY ToolAttachmentPointFrame
4071 SUBTYPE OF (CoordinateSystem);	5045 SUBTYPE OF(AxisPlacement);
4072 END_ENTITY;	5046 END_ENTITY;
4073	5047
4074 ENTITY ToolCentrePointFrame	5048 ENTITY ToolCentrePointFrame
4075 SUBTYPE OF (CoordinateSystem);	5049 SUBTYPE OF(AxisPlacement);
4076 END_ENTITY;	5050 END_ENTITY;
4077	5051
4078 ENTITY ToolPartRelationship	5052 ENTITY ToolPartRelationship
4079 SUBTYPE OF(PartViewRelationship);	5053 SUBTYPE OF(PartViewRelationship);
4080 placement : OPTIONAL TransformationSelect;	5054 placement : OPTIONAL TransformationSelect;
4081 DERIVE	5055 DERIVE
4082 SELF\PartViewRelationship.relationType : ClassStri	5056 SELF\PartViewRelationship.relationType : ClassStri
4083 END_ENTITY;	5057 WHERE
4084	5058 WR1: NOT ('GEOMETRICREPRESENTATIONRELATIONSHIPWITH
4085 ENTITY Transformation	
4086 ABSTRACT	
4087 SUPERTYPE OF(ONEOF(Transformation2d, Transformatio	
4088 SUBTYPE OF(DetailedGeometricModelElement);	
4089 name : OPTIONAL DescriptorSelect;	
4090 END_ENTITY;	5059 END_ENTITY;
4091	5060
4092 ENTITY Transformation2d	5061 ENTITY TransformedGeometricModel
4093 SUPERTYPE OF(ONEOF(ExplicitTransformation2d, Impli	5062 SUBTYPE OF(GeometricModel);
4094 SUBTYPE OF(Transformation);	5063 SELF\GeometricRepresentation.items : SET[1:?] OF A
	5064 DERIVE
	5065 sourceModel : GeometricModel := derivedFrom.relati
	5066 INVERSE
	5067 derivedFrom : GeometricRepresentationRelationship
	5068 WHERE
	5069 WR1: (SCHEMA_NAME + 'GEOMETRICREPRESENTATIONRELATI
	5070 (SCHEMA_NAME + 'GEOMETRICREPRESENTATIONRELATIONSHIP
4095 END_ENTITY;	5071 END_ENTITY;
4096	5072
4097 ENTITY Transformation3d	5073 ENTITY TrimmedCurve
4098 SUPERTYPE OF(ONEOF(ExplicitTransformation3d, Impli	5074 SUBTYPE OF(Curve);
4099 SUBTYPE OF(Transformation);	
4100 END_ENTITY;	5075 END_ENTITY;
4101	5076
4102 ENTITY UncertaintyQualifier	5077 ENTITY UncertaintyQualifier
4103 SUPERTYPE OF(ONEOF(QualitativeUncertainty, Standar	5078 SUPERTYPE OF(ONEOF(QualitativeUncertainty, Standar
4104 description : OPTIONAL DescriptorSelect;	5079 description : OPTIONAL DescriptorSelect;
4105 measureName : MultiLingualStringSelect;	5080 measureName : MultiLingualStringSelect;

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4106    sameAs : OPTIONAL ProxySelect;              5081    sameAs : OPTIONAL ProxySelect;
4107 END_ENTITY;                                    5082 END_ENTITY;
4108                                                 5083
4109 ENTITY Unit;                                   5084 ENTITY Unit;
4110    name : ClassSelect;                         5085    name : ClassSelect;
4111    kind : OPTIONAL ClassSelect;                5086    kind : OPTIONAL ClassSelect;
4112    prefix : OPTIONAL ClassSelect;              5087    prefix : OPTIONAL ClassSelect;
4113    quantity : OPTIONAL ClassSelect;            5088    quantity : OPTIONAL ClassSelect;
4114 END_ENTITY;                                    5089 END_ENTITY;
4115                                                 5090
4116 ENTITY ValueLimit                              5091 ENTITY ValueLimit
4117    SUBTYPE OF(NumericalValue);                 5092    SUBTYPE OF(NumericalValue);
4118    qualifier : TypeQualifierSelect;            5093    qualifier : TypeQualifierSelect;
4119 END_ENTITY;                                    5094 END_ENTITY;
4120                                                 5095
4121 ENTITY ValueList                               5096 ENTITY ValueList
4122    SUBTYPE OF(PropertyValue);                  5097    SUBTYPE OF(PropertyValue);
4123    values : LIST[1:?] OF PropertyValue;        5098    values : LIST[1:?] OF PropertyValue;
4124 END_ENTITY;                                    5099 END_ENTITY;
4125                                                 5100
4126 ENTITY ValueRange                              5101 ENTITY ValueRange
4127    SUBTYPE OF(ValueWithUnit);                  5102    SUBTYPE OF(ValueWithUnit);
4128    lowerLimit : REAL;                          5103    lowerLimit : REAL;
4129    upperLimit : REAL;                          5104    upperLimit : REAL;
4130 END_ENTITY;                                    5105 END_ENTITY;
4131                                                 5106
4132 ENTITY ValueSet                                5107 ENTITY ValueSet
4133    SUBTYPE OF(PropertyValue);                  5108    SUBTYPE OF(PropertyValue);
4134    values : SET[1:?] OF PropertyValue;         5109    values : SET[1:?] OF PropertyValue;
4135 END_ENTITY;                                    5110 END_ENTITY;
4136                                                 5111
4137 ENTITY ValueWithTolerances                     5112 ENTITY ValueWithTolerances
4138    SUBTYPE OF(ValueWithUnit);                  5113    SUBTYPE OF(ValueWithUnit);
4139    lowerLimit : REAL;                          5114    lowerLimit : REAL;
4140    tolerancedValue : REAL;                     5115    tolerancedValue : REAL;
4141    upperLimit : REAL;                          5116    upperLimit : REAL;
4142 END_ENTITY;                                    5117 END_ENTITY;
4143                                                 5118
4144 ENTITY ValueWithUnit                           5119 ENTITY ValueWithUnit
4145    ABSTRACT                                    5120    ABSTRACT
4146    SUPERTYPE OF(ONEOF(NumericalValue, ValueRange, Val  5121    SUPERTYPE OF(ONEOF(NumericalValue, ValueRange, Val
4147    SUBTYPE OF(PropertyValue);                  5122    SUBTYPE OF(PropertyValue);
4148    significantDigits : OPTIONAL INTEGER;       5123    significantDigits : OPTIONAL INTEGER;
4149    unit : UnitSelect;                          5124    unit : UnitSelect;
4150 END_ENTITY;                                    5125 END_ENTITY;
4151                                                 5126
4152 ENTITY ViewContext;                            5127 ENTITY ViewContext;
4153    description : OPTIONAL DescriptorSelect;     5128    description : OPTIONAL DescriptorSelect;
4154    applicationDomain : ApplicationDomainSelect;  5129    applicationDomain : ApplicationDomainSelect;
4155    lifeCycleStage : LifeCycleStageSelect;      5130    lifeCycleStage : LifeCycleStageSelect;
4156 UNIQUE                                         5131 UNIQUE
4157    UR1: applicationDomain, lifeCycleStage;     5132    UR1: applicationDomain, lifeCycleStage;
4158 END_ENTITY;                                    5133 END_ENTITY;
4159                                                 5134
                                                    5135 ENTITY ViewOccurrenceRelationship
                                                    5136    SUPERTYPE OF(ONEOF(AssemblyOccurrenceRelationship,
                                                    5137    description : OPTIONAL DescriptorSelect;
                                                    5138    classifiedAs : OPTIONAL SET[1:?] OF Classification
                                                    5139    relationType : ClassSelect;
                                                    5140    relating : PartView;
                                                    5141    related : Occurrence;
                                                    5142 END_ENTITY;
                                                    5143
4160 ENTITY WorkOrder;                              5144 ENTITY WorkOrder;
4161    id : OPTIONAL IdentifierSelect;             5145    id : IdentifierSelect;
4162    description : OPTIONAL DescriptorSelect;     5146    description : OPTIONAL DescriptorSelect;
4163    versionId : OPTIONAL IdentifierSelect;      5147    versionId : OPTIONAL IdentifierSelect;
4164    classifiedAs : OPTIONAL SET[1:?] OF Classification  5148    classifiedAs : OPTIONAL SET[1:?] OF Classification
4165    orderType : ClassSelect;                    5149    orderType : ClassSelect;
4166    inResponseTo : OPTIONAL SET[1:?] OF WorkRequest;  5150    inResponseTo : OPTIONAL SET[1:?] OF WorkRequest;
4167    isControlling : SET[1:?] OF Activity;       5151    sameAs : OPTIONAL SET[1:?] OF ProxySelect;
4168 END_ENTITY;                                    5152 END_ENTITY;
4169                                                 5153
4170 ENTITY WorkRequest;                            5154 ENTITY WorkOrderAssignment;
                                                    5155    id : OPTIONAL IdentifierSelect;
                                                    5156    description : OPTIONAL DescriptorSelect;
                                                    5157    classifiedAs : OPTIONAL SET[1:?] OF Classification
                                                    5158    role : ClassSelect;
                                                    5159    assignedActivityMethod : WorkOrder;
                                                    5160    assignedTo : SET[1:?] OF WorkOrderAssignmentSelect
                                                    5161 END_ENTITY;
                                                    5162
                                                    5163 ENTITY WorkOrderRelationship;
4171    id : OPTIONAL IdentifierSelect;             5164    id : OPTIONAL IdentifierSelect;
4172    description : OPTIONAL DescriptorSelect;     5165    description : OPTIONAL DescriptorSelect;
                                                    5166    classifiedAs : OPTIONAL SET[1:?] OF Classification
                                                    5167    relationType : ClassSelect;
                                                    5168    relating : WorkOrder;
                                                    5169    related : WorkOrder;
                                                    5170 WHERE
                                                    5171    WR1: relating :<>: related;
                                                    5172 END_ENTITY;
```

709 differences (2267 lines) found		
Added(1455)	Deleted(440)	Changed(372)

C:\Users\Günter Staub\Aktivitaeten\Kund...\bom DIS.exp	C:\Users\Günter Staub\Aktivitaeten\Kundenpr...\bom.exp
	5173
	5174 ENTITY WorkRequest;
	5175 id : IdentifierSelect;
	5176 description : OPTIONAL DescriptorSelect;
4173 versionId : OPTIONAL IdentifierSelect;	5177 versionId : OPTIONAL IdentifierSelect;
4174 classifiedAs : OPTIONAL SET[1:?] OF Classification	5178 classifiedAs : OPTIONAL SET[1:?] OF Classification
4175 requestType : ClassSelect;	5179 requestType : ClassSelect;
4176 notifiedPersons : OPTIONAL SET[1:?] OF DateAndPers	5180 notifiedPersons : OPTIONAL SET[1:?] OF DateAndPers
4177 requestor : DateAndPersonOrganization;	5181 requestor : DateAndPersonOrganization;
4178 scopes : OPTIONAL SET[1:?] OF ActivityAssignmentSe	5182 sameAs : OPTIONAL SET[1:?] OF ProxySelect;
4179 status : ClassSelect;	5183 scope : OPTIONAL SET[1:?] OF ActivityAssignmentSel
	5184 status : OPTIONAL ClassSelect;
	5185 END_ENTITY;
	5186
	5187 ENTITY WorkRequestAssignment;
	5188 id : OPTIONAL IdentifierSelect;
	5189 description : OPTIONAL DescriptorSelect;
	5190 classifiedAs : OPTIONAL SET[1:?] OF Classification
	5191 role : ClassSelect;
	5192 assignedWorkRequest : WorkRequest;
	5193 assignedTo : SET[1:?] OF WorkRequestAssignmentSele
4180 END_ENTITY;	5194 END_ENTITY;
4181	5195
4182 ENTITY WorkRequestRelationship;	5196 ENTITY WorkRequestRelationship;
	5197 id : OPTIONAL IdentifierSelect;
4183 description : OPTIONAL DescriptorSelect;	5198 description : OPTIONAL DescriptorSelect;
4184 classifiedAs : OPTIONAL SET[1:?] OF Classification	5199 classifiedAs : OPTIONAL SET[1:?] OF Classification
4185 relationType : ClassSelect;	5200 relationType : ClassSelect;
4186 relating : WorkRequest;	5201 relating : WorkRequest;
4187 related : WorkRequest;	5202 related : WorkRequest;
4188 WHERE	5203 WHERE
4189 WR1: relating :<>: related;	5204 WR1: relating :<>: related;
4190 END_ENTITY;	5205 END_ENTITY;
4191	5206
4192 ENTITY ZonalBreakdown	5207 ENTITY ZonalBreakdown
4193 SUBTYPE OF(Breakdown);	5208 SUBTYPE OF(Breakdown);
4194 DERIVE	5209 DERIVE
4195 SELF\Breakdown.breakdownType : ClassString := 'zon	5210 SELF\Breakdown.breakdownType : ClassString := 'zon
4196 END_ENTITY;	5211 END_ENTITY;
4197	5212
4198 ENTITY ZoneStructuralMakeup	5213 ENTITY ZoneStructuralMakeup
4199 ABSTRACT	5214 ABSTRACT
4200 SUPERTYPE OF(ONEOF(PercentageLaminateTable, Smeare	5215 SUPERTYPE OF(ONEOF(PercentageLaminateTable, Smeare
4201 SUBTYPE OF(LaminateTable);	5216 SUBTYPE OF(LaminateTable);
4202 boundary : ZoneStructuralMakeupShapeRepresentation	5217 boundary : ZoneStructuralMakeupShapeRepresentation
4203 END_ENTITY;	5218 END_ENTITY;
4204	5219
4205 ENTITY ZoneStructuralMakeupShapeRepresentation	5220 ENTITY ZoneStructuralMakeupShapeRepresentation
4206 SUPERTYPE OF(ONEOF(EdgeZoneShape, PointZoneShape))	5221 SUPERTYPE OF(ONEOF(EdgeZoneShape, PointZoneShape))
4207 END_ENTITY;	5222 END_ENTITY;
4208	5223
4209 END_SCHEMA;	5224 END_SCHEMA;

709 differences (2267 lines) found		
Added(1455)	Deleted(440)	Changed(372)