

Editor's disposition of comments CD2 19763-12 as at 2013-11-03

Serial	MB	Line No	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/ Table/Note (e.g. Table 1)	Type of comment	Comment (justification for change) by the MB	Proposed change by the MB	Draft disposition
001	CA 00	All	All	-	Ge	Canada disapproves of the draft for the reasons below.	Canada will change its vote to Approval if the comments below are satisfactorily addressed.	No further action at this time
002	GB 01		General		ed	Line numbering has been used as requested, but the actual line numbers are different on both versions available to us. The .pdf version on the SC32 website has the "Foreword" heading as line 116. The .doc version on the SC32 website has the same "Foreword" heading as line 117.	Ensure line numbers are consistent across versions.	No further action at this time
003	GB 02	180	1	Line 180 (pdf)	ed	Spelling.	Amend "modeling" to read "modelling".	Accepted – change made
004	US 01	191	2.1		ed	"clause" is missing	add "clause" between "in" and "5"	Accepted – change made
005	CA 01	192	2.1	Line 2	Ed	The reference to clause 5 should be clarified.	Change: " specified in 5" To: " specified in clause 5"	Accepted – see US01
006	US 02	204	2.2.2		ed	"any extensions" is redundant	remove "any extensions"	Accepted – change made
007	GB 03	204-205	2.2.2	Lines 204-205 (pdf)	ed	Incorrect statement	Amend to read b) shall not use, test, access, or probe for any extension features nor extensions to the metamodel specified in clause 5.	Accepted – see US02
008	GB 04		4		te	Missing definitions	Add definitions of <b>associative entity type, aggregation</b> and <b>composition</b> as appended below.	Accepted – definitions added

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009	CA 02	237, 238	4.1	All	Ed	Referencing definitions from other standards without actually including them requires the reader to obtain and access those other standards. This document would be more usable if the required terms and definitions were repeated here, with references to indicate from whence they come. In addition, by referencing all definitions from 11179-3, we end up with two definitions for some terms (e.g. attribute, cardinality)	For all terms used in this standard, include the terms and definitions in clause 4, with a reference to the source.	Accepted – Clauses 4.1 and 4.2 significantly amended
010	CA 03	253	4.2.4	Definition	Ed	'collection' is a defined term (4.2.5), so should be shown in bold, with a xref to the term	Make the correction.	Accepted – change made
011	US 03	276	4.2.8		ed	reference to "11179-13"	remove "1"	Accepted – change made
012	US 04	301	4.2.12		ed	reference to "11179-3:2003"	change to "11179-3:2013"	Accepted – change made
013	US 05	323	4.2.17		ed	reference to "11179-13"	remove "1"	Accepted – change made
014	US 06	399	4.2.34		ed	extraneous article	remove first "the"	Accepted – change made
015	US 07	427	4.3		ed	text reads "[ed 3 - date to follow] "	replace " [ed 3 - date to follow]" with "2013"	Accepted – change made
016	CA 04	427	4.3	MDR	Ed	The date of 11179-3 Edition 3 is 2013	Apply the update.	Accepted – see US07
017	GB 05		5.1	Figure 1	ed	Diagram is too small to read.	Replace with the diagram appended below.	Accepted – appended diagram incorporated
018	US 08	434	5.1		ed	Figure 1's text too small	Use the whole page to display the figure or break it over two pages.	Accepted – see GB05
019	GB 06		5.2	Figure 2	te	Add a note to explain that Domain and its subclasses are reusable.	Add NOTE Each Domain (and its subclasses) must be specified for one or more Information_Models. Each instance of the other metaclasses that are subclasses of Model_Element must be defined in one and only one Information_Model.	Accepted – change made

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020	JP01	467		Figure 2	ed	In this figure and legend, the dashed lines with a triangular arrowed means "realization". (See. OMG UML Superstructure Ver, 2.4.1)	If these arrows mean specialisation of association between superclasses, use the triangular arrow of the solid line with which width differs from Generalizations between classes.	Accepted – figure amended in line with discussions at Santa Fe meeting
021	JP02	467		Figure 2	te	About subclass of "Model_Element" (from MFI Core and mapping)" other than "Diagram".  These classes will have "contained_by" refenece inherited from "Model_Element" Class.  In this situation, The instance of these classes has not forbidden having relation with the instance of the subclass of the "Model class" defined by other parts (such as MFI-5, 7, 8, 13).	If these classes have no relation with a subclass of "Model" class, remove the generalize relation with "Model_Element" class.  And it is necessary to loosen constraint of clause 15.5 of "Modelling guideline".	Accepted – figure amended in line with discussions at Santa Fe meeting
022	CA 05	480	5.3.1 and following	Para 1	Ed	The introductory paragraph and the superclass are unnecessarily contained within an MS Word table which means the lines do not get numbered. This comment applies to all the following 5.3.x clauses as well.	Remove the introductory paragraphs and superclass from the tables.  Only use a table where it adds value.	Not accepted; this is the standard layout used in 19763 – this was endorsed at the Santa Fe meeting
023	CA 06	480	5.3.1	maximum_cardinality	Ed	In line 3 of the description, the word 'methods' is used, but this is not a defined term. We assume this is intended to refer to Information Modelling methods.	Wherever 'method' is used in this way, qualify it as an 'information modelling method', and define this term in clause 4.2.	Accepted – change made throughout
024	CA 07	484	5.3.3	Validation_rule description	Ed	The last sentence of the description is missing a period.	Add the period.	Accepted – change made

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025	CA 08	494	5.3.8	Entity_Type	Te	Everything in the model describes a type of something. Why is the word 'type' added to Entity, but not to others, such as Relationship and Attribute. [The fact that some E-R methods do the same is not a good reason for us to do it here.]	Rename Entity_Type to Entity, but add some generic text at the beginning of 5.3 to explain that the model describes types, but we don't want to include the type in every name.  Alternatively, include 'Type' in other names, especially if the claim that all classes in the model describes types is not accepted.	After discussion at the Santa Fe meeting it was agreed to keep as is but to add explanatory notes to the definitions. This has been done.
026	US 09	494	5.3.8		ed	Only occurrence of "IRI" with no expansion or definition	include a definition in clause 3 or in text; at minimum expand the acronym in the text	Accepted – expansion added to clause 4.3
027	GB 07		Annex A	Figure A.1	ed	Diagram is too small to read.	Replace with the diagram appended below.	Accepted – appended diagram incorporated
028	US 10	535	Annex A	Fig A.1	ed	Figure A.1's text too small	Use the whole page to display the figure or break it over two pages.	Accepted – see GB07
029	US 11	569	Annex A		ed	Verb missing: "may be with instances"	insert "defined" between "be" and "with"	Not accepted; making the proposed change will alter the meaning – decision endorsed at Santa Fe meeting
030	US 12	575	Annex A		ed	Verb missing: "may be with instances"	insert "defined" between "be" and "with"	Not accepted; making the proposed change will alter the meaning – decision endorsed at Santa Fe meeting
031	US 14	818	Annex C	Table C.1	te	Column=IDEF1X Row = Domains are Named	In IDEF1X, Domains are named as a datatype, so it should say "As a Datatype" like the other columns instead of "Yes". reference: Wikipedia Example IDEF1x The same for the row for Ellis-Barker notation.	Accepted for IDEF1X, not accepted for Ellis-Barker – decision endorsed at Santa Fe meeting – change made
032	GB 08		Annex D	Figure D.9	te	Incorrect SQL syntax.	Replace with the SQL appended below and amend Figure D.10 accordingly.	Accepted – changes made
033	US 13	917	Bibliography		ge	No direct citation for IEEE IDEF1X Standard.	Add citation for IEEE IDEF1X Standard to Bibliography .	Accepted – citation added

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034	CA 09				Ge	If any further problems are discovered before or during the Comment Resolution Meeting, and a consensus can be reached on a solution, then they should be corrected.	To be determined at the CRM as required.	No further action at this time

## ***Additional definitions for 4.2:***

### **4.2.n**

#### **associative entity type**

**information model element** that has both **relationship** and **entity type properties**.

NOTE 1 May also be known as an *association class*

NOTE 2 An associative entity type can be seen as a relationship that also has entity type properties, or as an entity type that also has relationship properties.

NOTE 3 Adapted from ISO/IEC 19501:2005, 0000\_135

### **4.2.n**

#### **aggregation**

special form of **relationship** that specifies a whole-part **relationship** between the aggregate (whole) and a component part

NOTE Adapted from ISO/TS 19103:2005, 4.2.2

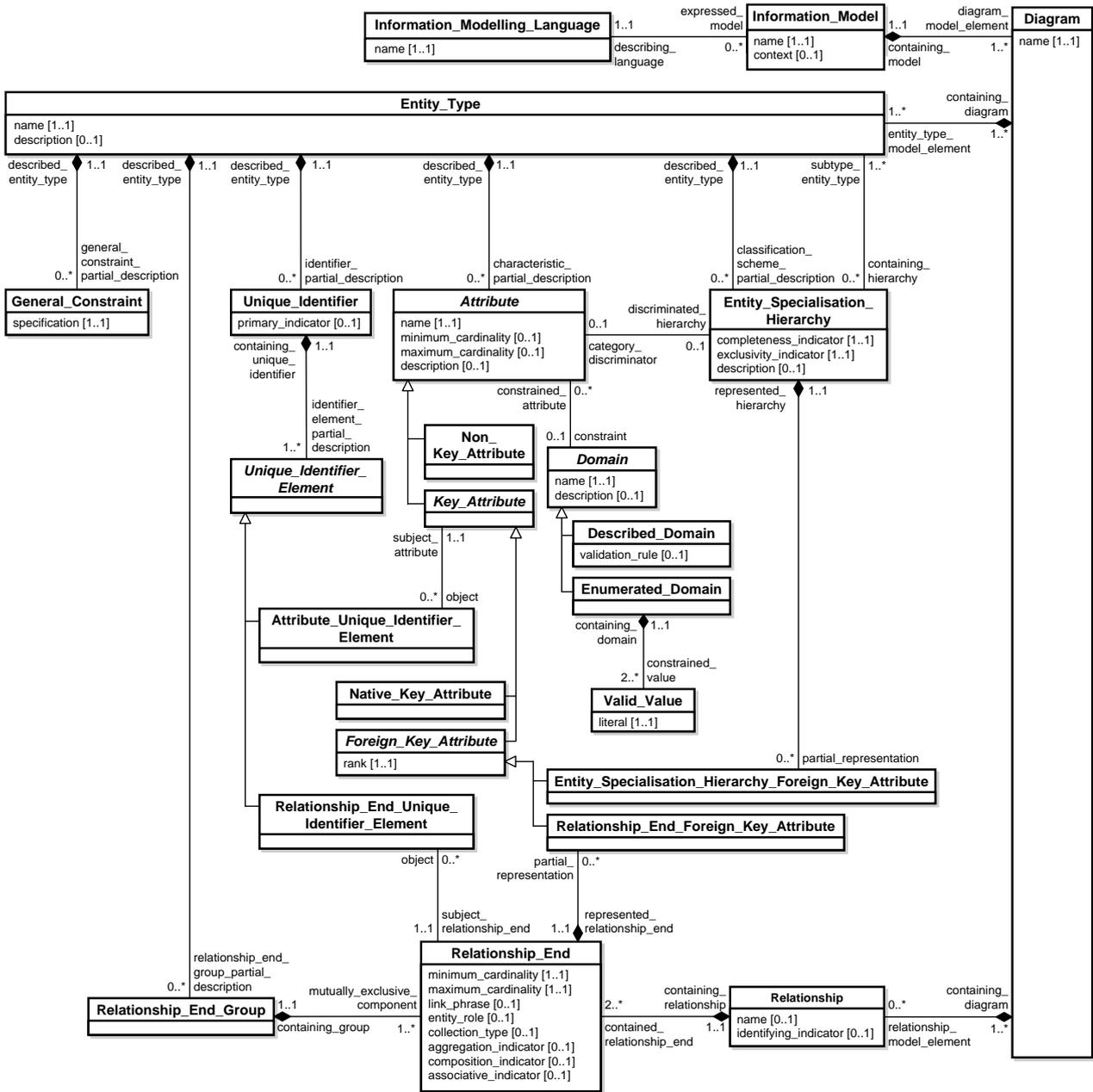
### **4.2.n**

#### **composition**

form of **aggregation** which requires that a part instance be included in at most one composite at a time, and that the composite object is responsible for the creation and destruction of the parts. Composition may be recursive.

[ISO/IEC 19501:2005, 0000\_209]

# Replacement diagram for Figures 1 and A.1:



**Replacement SQL for Figure D.9:**

```
CREATE TABLE organisation
( organisation_name    VARCHAR(20) NOT NULL,
  organisation_address VARCHAR(250) NOT NULL,
  PRIMARY KEY (organisation_name)
);

CREATE TABLE vehicle_model
( organisation_name VARCHAR(20) NOT NULL,
  model_name        VARCHAR(40) NOT NULL,
  specification     VARCHAR(250) NOT NULL,
  PRIMARY KEY (organisation_name, model_name),
  FOREIGN KEY (organisation_name) REFERENCES organisation
);

CREATE TABLE vehicle
( organisation_name    VARCHAR(20) NOT NULL,
  model_name          VARCHAR(40) NOT NULL,
  chassis_number     VARCHAR(30) NOT NULL,
  first_registration_date DATE,
  PRIMARY KEY (organisation_name, chassis_number),
  FOREIGN KEY (organisation_name, model_name) REFERENCES vehicle_model
);
```