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001	CA-001	00-all	all	Ge	The changes between 2 nd CD and FCD have been extensive, and really justified a 3 rd CD. We are submitting substantial technical comments with this FCD ballot, which if accepted will require further substantial changes. This document is not ready to go to FDIS. We believe there are probably further technical problems that we have not had time to discover.	Canada recommends a 2 nd FCD ballot after all comments have been resolved.	Withdrawn, because going to a second FCD would then require going to a DIS before FDIS. Editor should issue at least two sneak peeks before submitting the text for ballot.
002	CA-002	00-all	all	Te	The open issues for this project in bugzilla need to be reviewed to see which should be addressed in the edition. Defects should be addressed. Enhancements may have to wait.	Needs discussion at BRM.	Issues which have not been brought forward as ballot comments need to be deferred to the next edition.
003	CA-003	00-all	all	Te	There were unresolved ballot comments from the CD2 ballot will still need to be addressed. These are listed in WG2 N1402.	Consider the unresolved CD2 comments as part of the FCD ballot comments.	Comments without detailed proposals should be posted to Bugzilla for action in a future edition.
004	JP-001 a	00-All	various	Ge	There might be a lot of changes from ED2 that are not necessary. If they need not be changed, they should not be changed from the principle of consistency as a standard.		Accepted in principle. Specific instances need to be identified for any action to be taken.
005	** CS-01	00-General		ed	6.6.7.2 of the ISO/IEC Directives, Part 2, states that for references to the document as a whole in its own text, the form "this part of ISO/IEC ****" shall be used, except in the introductory texts for the "Normative references" and the "Terms and definitions", and in any patent notices.	Throughout the document, except in the introductory texts for the "Normative references" and the "Terms and definitions", and in any patent notices, change "ISO/IEC 11179-3", "this document" and "this standard" to "this part of ISO/IEC 11179".	Accepted. – Done.
006	** CS-02	00-General		ed	The editor's notes should not appear in the published version of the International Standard.	All editor's notes shall be deleted before submission of the Final Draft International Standard.	Accepted. – Done.
007	** CS-03	00-General		ed	6.5.1 of the ISO/IEC Directives, Part 2, states that a single note/example in a clause or subclause shall be preceded by "NOTE"/"EXAMPLE", placed at the beginning of the first line of the text of the note/example.	Throughout the document, change "Note:" to "NOTE" and "Example:" to "EXAMPLE".	Accepted. – Done.

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008	** CS-04	00-General		ed	6.6.5.3 of the ISO/IEC Directives, Part 2, states that figures shall be designated "Figure" and numbered with Arabic numerals, beginning with 1. This numbering shall be independent of the numbering of the clauses and of any tables. A single figure shall be designated "Figure 1".	Renumber all figures in accordance with 6.6.5.3 of the ISO/IEC Directives, Part 2.	Accepted. Done
009	** CS-05	00-General		ed	6.6.6.2 of the ISO/IEC Directives, Part 2, states that tables shall be designated "Table" and numbered with Arabic numerals, beginning with 1. This numbering shall be independent of the numbering of the clauses and of any figures. A single table shall be designated "Table 1".	Renumber all tables in accordance with 6.6.6.2 of the ISO/IEC Directives, Part 2.	Accepted. Done
010	** CS-06	00-General		ed	6.6.6.2 of the ISO/IEC Directives, Part 2, states that table designations and titles shall be centred horizontally above the table. In ISO/IEC 1179-3, they are placed below the table.	Place the table designations and titles horizontally above the table to which they refer.	Accepted. Done
011	** CS-07	00-General		ed	Although figure designations and titles are present in the document, there are no figures.	Please ensure that figures are present in the submission of the Final Draft International Standard.	The Figures are present. No action required.
012	CA-009	00-general	figures	Ed	The final document should not contain the diagram name and modification date that is currently included in each figure.	Remove the diagram name and modification date from within the figure.	Accepted. Done.
013	CA-010	00-general	figures	Ed	All figures should be updated to keep them consistent with changes made to the text.	Make the necessary changes.	Accepted. Done.
014	CA-004	00-general	various	Te	The use of packages and the lack of a combining feature make it impossible to know how the packages features are combined. This was straightforward in Edition 2, but there is no guidance in Edition 3 on how to put all this together.	Provide guidance on how to provide a whole metadata set.	Accepted. Editor to add text referring to the use of the types, and the examples of navigation in Annex C.. Posted as Issue 497.

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							See also #307.)
015	CA-005	00-general	various	Te	In addition to the metamodel specified in UML the document also implicitly specifies a lexical model through its definitions. We are concerned that the lexical model may not always be consistent with the UML model.	We have included some comments already where we have found inconsistencies (e.g. definition of data element concept, and naming of value meaning). We continue to review and may bring additional issues to the BRM under this comment.	Accepted in principle. Specific instances need to be identified for any action to be taken. <u>The Editor has done his best to ensure the models are consistent.</u>
016	CA-006	00-general	various	Te	Some the definitions appear to be circular, which makes them not very useful. Example 1: datatype is defined as: set of distinct values...; while value is defined as: any instance of any <i>datatype</i> . Example 2: Value Domain is defined as: set of permissible values Permissible value is defined as: designation of a value meaning within a specific value domain	Definitions need to be improved to remove circularity.	Accepted in principle. Specific instances need to be identified for any action to be taken. For example 1, delete the definition of 'value' Done. For example 2, In def. of permissible value, moved ref. to Value Domain to a note. In def. of value meaning, changed 'permissible values' to 'possible values' Done.
017	CA-007	00-general	various	Te	The naming of attributes in the model is inconsistent. In some classes, such as Value_Domain, the attributes are prefixed with the class name. In others, such as Slot, they are not.	WG2 should agree on an approach to attribute naming and use it consistently throughout the model. Our preference is that an attribute name be meaningful on its own, without being prefixed by the class name. We believe this is more in keeping with the naming conventions specified for data elements in 11179-5.	Posted as Issue 498. Discussed at BRM. Resolution: Do not repeat class name in attribute name. In text qualify by class name where otherwise ambiguous. Done.

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018	CA-008	00-general	various	Ed	The resolution of CD2 ballot comment US 66 called for cross-references to clause 3 when the term is used in clauses 6 through 11. This has been done in part but incompletely.	Check for missing cross-references and add as required. This is especially true of clause 10 and 11.	Accepted. <u>Done.</u>
019	CA-011	00-Introduction	para 3	Ed	The reference to clause 10 should be clause 11.	Change '10' to '11'.	Accepted. Done.
020	CA-012	00-Introduction	para 5	Ed	The reference to clause 11 should be clause 12.	Change '11' to '12'.	Accepted. Done.
021	CA-013	00-Introduction	para 6	Ed	The roles listed are all very data-oriented. We should include some broader role types.	Add: application developers, business modellers.	Accepted. Done.
022	** CS-08	01		ed	The scope shall consist of a series of statements of fact describing the content of the document.	Delete subclause 1.1. The Scope should then be redrafted to consist of only the text currently contained in 1.2 and 1.3.	Accepted. Done.
023	CA-014	01.2-Scope	para 1	Ed	It is unnecessary to refer to 'this part of ISO/IEC 11179'. The reference to clause 10 should be clause 11.	Reword the first paragraph as: "Clauses 5 through 11 specify the structure of a metadata registry in the form of a conceptual data model."	Accepted. Done.
024	CA-015	01.3-Scope	All	Ed	It is unnecessary to refer to 'this part of ISO/IEC 11179'.	Reword the paragraph as: "Clause 12 specifies basic attributes which are required to describe metadata items, and which might be used in situations where a complete <i>Metadata Registry</i> is not appropriate (e.g. in the specification of other International Standards)."	Accepted. Done.
025	** CS-09	01.4		ed	Summary of changes from the first edition shall be given in the Foreword.	Delete subclause 1.4 and move its content to the Foreword.	Accepted. Done. See also #303.
026	** CS-10	01.5		ed	The relationship to other parts is already correctly given in the Foreword.	Delete subclause 1.5.	Accepted. Done. See also #304.

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027	** CS-11	02		ed	In accordance with 6.2.2 of the ISO/IEC Directives, Part 2, documents which are only cited in an informative manner shall not be included in the Normative references. Other than ISO/IEC 11179-6, none of the references listed in Clause 2 are referred to in a normative way.	Move all references listed in Clause 2, except ISO/IEC 11179-6, to the Bibliography. A normative reference should be phrased using the word 'shall' i.e. it must be specifying something to which conformance is required.	Accepted. Done.
028	CA-016	02	19505-2	Te	This FCD references ISO/IEC DIS 19505-2, but the ISO catalogue lists the document as FCD. The current standard cannot go to FDIS referencing an FCD.	Options include: 1) If the current document goes to a 2 nd FCD: a) correct the reference to be FCD 19505-2, and defer any further action to the next ballot; b) revert to UML 1.4, which will require changes to the model. 2) If the current document is to progress directly to FDIS, we have the following choices: a) change the reference to the OMG version of UML 2.1.2; b) defer publication until 19505 reaches FDIS.	Resolved by Seq 027 (CS-11) which moves the reference to the Bibliography. Posted as Issue 499. Also, cite OMG standard if ISO version has not reached IS. Ref to UML 2.3 added to Bibliography. Done.
029	** CS-12	03		ed	The title to Clause 3 does not accurately reflect its content.	Change the title from "Definitions" to "Terms, definitions and abbreviated terms".	Accepted. Done
030	** CS-13	03		ed	The wrong introductory text has been used.	Delete all of 3.1 (including the title "Overview") and replace with the following: "3 Terms and definitions For the purposes of this document, the following terms, definitions and abbreviated terms apply.	Accepted. Done

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						<p>NOTE 1 An alphabetical list of all terms used in this part of ISO/IEC 11179 is included in Annex A.</p> <p>NOTE 2 Some definitions listed in this clause have one or more notes; some have a reference to another standard from which the definition is taken; and some have both notes and a reference. Where a definition has both a note and a reference, notes that precede the reference come from the referenced source; notes that follow the reference have been added by this part of ISO/IEC 11179."</p> <p>Renumber 3.2 as 3.1. Change the text that is immediately below the title into a note. Renumber all of the terms and definitions that follow (e.g. 3.2.1 would become 3.1.1).</p> <p>Renumber 3.3 as 3.2. Change the text that is immediately below the title into a note. Renumber all of the terms and definitions that follow (e.g. 3.3.1 would become 3.2.1).</p> <p>Renumber 3.4 as 3.3. Change the title to "Abbreviated terms". Delete the introductory sentence that is below the title.</p>	
031	** CS-14	03		ed	D.1.5.3 of the ISO/IEC Directives, Part 2, states that the form of a definition shall be such that it can replace the term in context. It shall therefore start with a lower-case letter (except for any capital letters required by the normal written form in running text), shall not be followed by a full stop, shall not start with a definite or indefinite article, and shall not be more than one sentence.	Redraft the terms and definitions in accordance with D.1.5.3 of the ISO/IEC Directives, Part 2.	Accepted. Specific instances need to be identified. Posted as Issue 500 Done.
032	** CS-15	03		ed	D.1.4 of the ISO/IEC Directives, Part 2, provides examples for the presentation of terms and definitions that have been taken from or adapted from other	Redraft the references to the terms and definitions in accordance with D.1.4 of the ISO/IEC Directives, Part 2.	Accepted with modification. Where ISO/IEC adds clause numbers to the references, we intend to keep the clause

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					<p>documents:</p> <p>“When the repetition of a definition is necessary, an informative reference shall be made to the document from which it is reproduced.</p> <hr/> <p>3.2.11 international rubber hardness degree IRHD measure of hardness, the magnitude of which is derived from the depth of penetration of a specified indenter into a test piece under specified conditions</p> <p>[ISO 1382:1982]</p> <hr/> <p>Where a standardized definition in another subject field has to be adapted, an explanation shall be given in a note.</p> <hr/> <p>1.1.2.3 natural language language which evolves and whose rules reflect usage without necessarily being explicitly prescribed</p> <p>NOTE Adapted from ISO/IEC 2382-7:1989.”</p>		numbers. Done.
033	JP-004	03	new	Te	<i>The Note at the end of 7.2.2.4.1 Description of Slot refers to IKV slot from 19773, but this is not defined in clause 3.</i>	“IKV Slot” needs to be defined at clause 3.	Renamed ‘IKV Slot’ to ‘slot tuple’ which is the term used

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							in 19773. (Done) Also posted as Issue 520 in bugzilla to allow further comment.
034	CA-017	03	Various	Ed	CD2 ballot comments created separate definitions for concepts in clause 3, and for metadata objects which model those concepts in clauses 6 thru 11. Other comments added references from Clauses 6 thru 11 to the concepts in clause 3, but very few references exist in the reverse direction.	For concepts which are included in the reference model, add references from the concept definitions in clause 3 to the corresponding metadata objects in clauses 6 thru 11.	Not accepted. Contradicts CA-051 (#081) which is accepted. Clause 3 should not contain such cross-references because the definitions need to be able to stand alone.
035	CA-018	03.1	Note	Ed	The following statement in the Note is not currently true. "Where a definition has both NOTES and a reference, NOTES that precede the reference come from the referenced source; NOTES that follow the reference are added by this standard." We have attempted to identify definitions where this is not true. All referenced definitions should be checked, and corrections made as necessary.	Ensure that Notes are correctly positioned for all referenced definitions in clause 3.	Accepted. Done.
036	CA-020	03.2	new	Te	Add definitions for 'abstract class' and 'concrete class'.	Take definitions from 19505.	Accepted with modification. Added 'abstract class' only. 'Concrete class is not used and therefore does not need to be defined. Done.
037	CA-019	03.2	para 1	Ed	'metamodel constructs' is a defined term, so should be shown in bold, but needs to be explained in this clause as well.	Reword the paragraph as: "This subclause defines the metamodel constructs (3.3.78 - units of notation for modelling) used in specifying the registry metamodel in Clauses 6 through 11."	Accepted. Done.

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038	CA-024	03.2.11	note	Ed	The period after 'generalization' belongs at the end of the sentence. The Note should be moved after the reference because it does not come from the reference.	Make the corrections.	Accepted. Done.
039	CA-025	03.2.12	definition	Ed	Having already used the terms 'general class' and 'specific class' in the first line, it is unnecessary to refer to the general class as the 'first class' in the second line.	Change 'first class' to 'general class'.	Accepted. Done.
040	CA-021	03.2.5	example	Te	Previous ballot comments have called for an example to be added. This has not yet been done.	E.g. reference Registration.registration_state in Figure 7-1	Accepted. Done
041	CA-022	03.2.6	example	Te	Previous ballot comments have called for an example to be added. This has not yet been done.	E.g. reference Registration_Record as used by Registration.registration_state in Figure 7-1	Accepted. Done
042	CA-023	03.2.8	definition	Ed	Having already used the terms 'general class' and 'specific class' in the first line, it is unnecessary to refer to the general class as the 'first class' in the second line.	Change 'first class' to 'general class'.	Accepted. Done.
043	CA-026	03.2.a	new	Te	Add definitions of 'package' and 'metamodel region', and relate them. The UML definition of package is: A package is used to group elements, and provides a namespace for the grouped elements. but 11179-3 uses the term 'metadata object' to align with the term 'metadata item'. UML allows one package to contain another package, but this standard uses 'metamodel region' for the subdivisions of a package, which are used primarily to subdivide figures to fit on a page. Introducing a hierarchy of packages would unnecessarily complicate the model, but we do need to define and explain 'metamodel region'	Add definition of 'package': grouping of metadata objects that provides a namespace for the grouped objects, and allows them to be referenced as a group. Adapted from ISO/IEC DIS 19505-2, 7.3.37. Add definition of 'metamodel region': sub-division of a package used to organize metadata objects for ease of explanation.	Accepted, but with modification by CS-15 (seq 032).. Done.
044	CA-027	03.2.b	new	Te	The term 'subclass' is used but not defined.	Add a definition of 'subclass'. "class that is a specialization of another class, its superclass ." NOTE In UML, subclasses of a superclass	Accepted. Done.

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						are by default not disjoint . This standard specifies when subclasses are required to be disjoint. Further, when the list of subclasses is intended to be exhaustive, this standard shows the superclass as abstract, thus preventing any other subclass being instantiated. An abstract class is indicated by showing the class name in <i>italics</i> in any class diagram that uses it. Add a xref to 'subclass' as a note to 'specialization'.	
045	CA-028	03.2.c	new	Te	The term 'superclass' is used but not defined.	Add a definition of 'superclass'. " class that is a generalization of one or more other classes, its subclasses ." Add a xref to 'superclass' as a note to 'generalization'.	Accepted. Done.
046	CA-029	03.2.d	new	Te	The term 'disjoint' is used but not defined.	Add a definition of 'disjoint': <set theory> having no elements in common.	Accepted. Done.
047	CA-030	03.3	All	Te	The inclusion of association names as terms with associated definitions in clause 3 is not very useful. It is better to keep clause 3 for generic concepts only.	Review clause 3.3 for terms which are associations, and remove or redefine as a generic concept.	Accepted. Done.
048	CA-031	03.3.1	reference	Ed	The definition has been adapted from ISO 10241 clause 5.2.2. The reference should reflect both the fact it has been adapted, and the clause number.	Change the reference to: [Adapted from ISO 10241:1992, 5.2.2]	Accepted, but with modification by CS-15 (seq 033). Done.
049	CA-032	03.3.10	Note	Te	The examples could use some clarification.	Revise the note as: "NOTE Most common semantic relations are binary, e.g. A <i>equals</i> B, A <i>less than</i> B, etc. An example of a relation which is not binary is <i>betweenness</i> ." (e.g. A is between B and C)."	Accepted. Done.

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050	CA-055	03.3.102	term	Te	based on the definition, the term would be better as 'reference document provider'. See similar comment on 6.3.6.2.6.	make the change.	Accepted. Done. See also #119.
051	CA-056	03.3.103	note 3	Ed	'is' is repeated.	Remove one occurrence of 'is' where it is repeated.	Accepted. Done.
052	CA-057	03.3.112	definition	Ed	The definition contains two sentences, but the first word of the second sentence is not capitalized.	Change the period in the middle of the definition to a semi-colon.	Accepted with modification. changed period to 'and' Done.
053	CA-058	03.3.121	definition	Ed	ISO/IEC guidelines call for the omission of articles at the beginning of definitions.	Delete the initial 'the'.	Accepted. Done
054	CA-059	03.3.121	note 2	Ed	Note 2 references 'steward' which has been replaced by 'stewardship organization' and 'stewardship contact'. In Edition 2, the xref was to a different sub-clause. Now the cross-referenced item is within a few lines, the xref seems unnecessary.	Delete Note 2, and remove the number from Note 1.	Accepted. Done.
055	CA-061	03.3.136	definition	Te	As per the comment on enumerated conceptual domain (3.3.62), the reference to 'value' is inappropriate in the definition because the conceptual domain needs to be able to stand on its own without reference to a value domain. The current definition belongs in a note.	Replace the definition by: 'semantic content of an instance of a concept ' NOTE 1: a set of instance meanings for a concept forms an enumerated conceptual domain . NOTE 2: when an enumerated value domain is associated with an enumerated conceptual domain , each permissible value is mapped to a concept instance meaning , by which the permissible value acquires semantic content.	Dependent on acceptance of #077. Not accepted.
056	CA-062	03.3.136	note 2	Te	Apply the resolution of the comment on 3.3.62. Also, change the reference to Value_Domain to use 'value domain' (i.e. use the generic term, not the class name.)	Renumber the note and reword as: NOTE 3 The representation of concept instance meanings in a registry shall be independent of (and shall not constrain) their representation in any corresponding value	Dependent on acceptance of #077. Not accepted.

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						domain.	
057	CA-060	03.3.136	term	Te	Apply the resolution of the comment on 3.3.62.	Replace the term 'value meaning' by 'concept instance meaning'. Reposition the term in clause 3 to maintain alphabetical sequence. Amend any references accordingly.	Dependent on acceptance of #077. Not accepted.
058	CA-033	03.3.18	definition	Ed	The definition is taken from ISO 1087, but is incomplete. The 1087 definition has a note.	Add the note before the reference: NOTE Concepts are not necessarily bound to particular languages. They are, however, influenced by the social or cultural background which often leads to different categorizations.	Accepted. Done.
059	CA-034	03.3.18	definition	Te	In 9.1.2.1, we state that a concept is independent of representation. This would be a useful note to the definition.	Add the note after the reference: NOTE 2 A concept is independent of its representation.	Accepted. Done
060	CA-035	03.3.21	definition	Te	The current definition of conceptual domain is: concept that expresses its valid instance meanings or description It is unclear when phrased this way whether the qualifiers 'valid' and 'instance' are intended to be inferred to qualify 'description' as well as 'meanings'. It would be clearer if the order were reversed.	Replace the definition by: concept that expresses its description or valid instance meanings	Accepted. Done.
061	CA-036	03.3.23	definition	Te	The definition has been changed from Edition 2 – specifically reference to organization Person has been removed. Also, a Contact is an instance of a Role not a Role in itself. The Edition 2 definition was worked out in collaboration between WG1 and WG2 and is used in WG1 standards. The Edition 2 definition should be restored.	Restore the Edition 2 definition, except for the initial 'an': "instance of a role of an individual or an organization (or organization part or organization person) to whom an information item(s), a material object(s) and/or person(s) can be sent to or from in a specified context"	Posted as Issue 502. Discussed at BRM. Resolution: Accepted, and include the definition of Organization Person from 15944-1. Done.
062	CA-037	03.3.24+	missing	Te	The term and definition for 'contact information' has been deleted. This was a useful generic term and should be	Restore the term 'contact information' and the definition:	Accepted. Done.

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					restored.	"information to enable a Contact to be located or communicated with" Also highlight the term where it is used.	
063	JP-001b	03.3.26 context	definition	Te	Its definition should be reverted to Ed2 since there is no reason that it needs to be changed from Ed2 and the meaning "circumstances" are too general and ambiguous.		This is an attempt to reverse the resolution of CD2 US-52. See also #136 (7.3.2.5). (JP-001c) Posted as Issue 503. Resolution: replace 'circumstances' by 'setting' Done.
064	US-01	03.3.29		ed	Remove Editor's Note #1 as no longer necessary, add some text to clarify. <div style="border: 1px solid black; padding: 5px; background-color: #e0e0e0;"> <p>EDITOR'S NOTE #1. (Information) The definition from ISO/IEC 11179-3:2003 (Edition 2) has been replaced by that from ISO/IEC 2382-4:1999, because of feedback that the Edition 2 definition was not useful.</p> </div> <p>data element <in organization of data> unit of data that is considered in context to be indivisible. Example: The data element "age of a person" with values consisting of all combinations of 3 decimal digits. [[ISO/IEC 2382-4:1999, 04.07.01]</p>	The revision is acceptable. The note can be dropped. Below the reference to ISO/IEC 2382, add the following text to clarify the definition:: Note: the definition states that a data element is "indivisible" in some context. This means that it is possible that a data element considered indivisible in one context (e.g., telephone number) may be divisible in another context, (e.g., country code, area code, local number).	See also #065 and #004. Editor's Note will be removed Posted as Issue 504. Discussed at BRM. Resolution: Accept. More in keeping with need to be able to substitute the definition for the term. Done.
065	CA-	03.3.29	definition	Te	The FCD has removed the 11179 definition of data	Restore the definition from edition 2, with the	See also #064 & #004.

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	038				<p>element that has been used since Edition 1, and has replaced it with the definition from ISO/IEC 2382-4. This change is inappropriate.</p> <p>First, the 11179 definition is referenced in several other standards including those of SC32/WG1 and SC36.</p> <p>Second, the 2382-4 definition is inconsistent with the specification of data element in the metamodel. The 2382-4 definition states that a data element is a: “unit of data that is considered in context to be indivisible”, but in 11179-3 a data element can be derived and/or can have a composite datatype, which means it does not have to be ‘indivisible’ in the context of the registry.</p> <p>However, with the introduction of the metamodel in edition 2, data elements are no longer described just by attributes of the data element itself, but also by other associated metadata, such as value domain and data element concept. Therefore, the edition 1 definition does need some modification to account for this.</p>	<p>following amendments:</p> <ol style="list-style-type: none"> 1) add ‘and associated metadata’ at the end, for consistency with the text in the introduction to this part, which states: “This part of ISO/IEC 11179 provides for <u>the attributes of data elements and associated metadata</u> to be specified and registered as metadata items in a <i>Metadata Registry</i>.” This resolves the issue that some aspects of a data elements, such as its value domain, are not specified as attributes, but via associations. 2) Remove the indefinite article at the beginning of the definition, to conform with ISO formatting rules; 3) Remove the capitalization of ‘permissible value’, since the defined term in clause 3 is now in lower case. <p>Proposed revised definition: “unit of data for which the definition, identification, representation and permissible values are specified by means of a set of attributes and associated metadata”</p>	<p>Posted as Issue 504.</p> <p>Discussed at BRM.</p> <p>Resolution: Not accepted.</p> <p>Recommend that other standards citing the edition 2 definition change to cite 2382 definition.</p>

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066	CA-039	03.3.30	definition	Te	The current definition of data element concept is unsatisfactory: “ concept that can be expressed in the form of a data element , described independently of any particular representation”. It is unclear what determines whether or not a concept can be described as a data element. The description also makes no mention of the other classes that a data element concept is related to in the model, namely: object class, characteristic and conceptual domain. A data element concept would be better defined in terms of the object class and characteristic, even though it is not mandatory that they be recorded in the registry. This would then better relate to the definitions of ‘data element concept characteristic’ (3.3.31) and ‘data element concept object class’ (3.3.33). The association with conceptual domain and data element should be explained in notes.	Proposed revised definition: concept that expresses a characteristic of an object class . Note 1: A data element concept is implicitly associated with both the characteristic and the object class whose combination it expresses. Note 2: A data element concept may also be associated with zero or more conceptual domains each of which expresses its concept instance meanings . [A separate ballot comment proposes renaming ‘value meanings’ to ‘concept instance meanings’.] Note 3: A data element concept may also be associated with zero or more data elements each of which provide representation for the data element concept via its associated value domain .	Posted as Issue 505. Discussed at BRM. Reword definition as: concept that is an association of a characteristic with an object class Add the proposed notes. Done.
067	CA-040	03.3.31	All	Ed	The term is just the name of an association in the model, and no value is added by including its definition in clause 3.	Delete the term and definition.	Withdrawn. Given the change to the definition of ‘data element concept’, this term is now useful.
068	CA-041	03.3.32	All	Ed	The term is just the name of an association in the model, and no value is added by including its definition in clause 3.	Delete the term and definition.	Withdrawn. Given the change to the definition of ‘data element concept’, this term is now useful.
069	CA-042	03.3.33	All	Ed	The term is just the name of an association in the model, and no value is added by including its definition in clause 3.	Delete the term and definition.	Withdrawn. Given the change to the definition of ‘data element concept’, this term is now useful.
070	CA-043	03.3.34	All	Ed	The term is just the name of an association in the model, and no value is added by including its definition in clause 3.	Delete the term and definition.	Withdrawn. The term is used in the definition of ‘derivation rule specification’.

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					3.		
071	CA-044	03.3.35	All	Ed	The term is just the name of an association in the model, and no value is added by including its definition in clause 3.	Delete the term and definition.	Accepted. Done.
072	CA-045	03.3.37	All	Ed	The term is just the name of an association in the model, and no value is added by including its definition in clause 3.	Delete the term and definition.	Accepted. Done
073	CA-046	03.3.49	definition	Te	The definition is: “ notation used to describe the derivation rule ”. Rules should be ‘specified, not described. See also 11.5.2.5.2.2.	Change ‘describe’ to ‘specify’.	Accepted. Done.
074	CA-047	03.3.53	definition	Ed	The first word should not be capitalized.	Change ‘Identified’ to ‘identified’.	Accepted. Done
075	CA-048	03.3.54	definition	Ed	‘sign’ is a defined term, so should be bold.	Make the correction.	Accepted. Done
076	US-02	03.3.55		te	The two uses of the word designation are confusing.	For the contextualized version, modify the note from: “See also designation (3.3.54)” to “This contextualized designation is as specified in 3.3.54 or a name 3.3.80”	Accepted. Done
077	CA-049	03.3.62	definition	Te	The definition of enumerated conceptual domain is: conceptual domain that is specified by a list of all its value meanings The term ‘value meaning’ is inappropriate because there is no ‘value’ until the conceptual domain is associated with a value domain, and such an association is not required. The definition of the superclass conceptual domain uses the term ‘instance meanings’ which avoids the problem. However, the term is used in the context of a concept, so the complete term is ‘concept instance meanings’ [Note: This problem also exists in Edition 2.]	Replace ‘value meaning’ by ‘concept instance meaning’ in this definition, its accompanying note, and throughout the document.	Posted as Issue 501. See discussion in forum. Discussed at BRM. Resolution: Not accepted. Instead, in definition of value meaning, refer to ‘possible value’ instead of ‘value’. Done.

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078	CA-050	03.3.64	new note	Ed	The model specifies Slot as a means of extension.	Add a xref to slot (3.3.120).	Accepted. Done.
079	US-03	03.3.80		te	The definition of name is not right. It is inconsistent with the definition of designation.	Replace the definition with: Representation of an object by a sign which denotes it.	<p>If we are to use both 'Name' and 'Sign', there must be a distinction between them. The Editor suggests that the distinction is that 'Name' is a linguistic expression, where as 'Sign' can include symbols and images.</p> <p>We need to clarify the terminology relating to Designation, Sign and Name. See also #080 – 083, #106, #120.</p> <p>Posted as Issue #506.</p> <p>Discussed at BRM.</p> <p>Resolution: Not accepted. Added note to description of Namespace to explain the inconsistency with use of Name, and the applicability to identifiers. Done.</p>
080	US-04	03.3.80		te	Identifiers are not adequately related to name.	Add a note that an identifier is a kind of name. Identifier also ought to be defined.	<p>Not accepted. Identifier is defined at 3.2.9, and the proposed note would be inconsistent with the existing note in 3.2.9.</p> <p>Posted as Issue #507.</p> <p>See resolution of #079.</p>

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081	CA-051	03.3.80	Note	Ed	The note cross-references model attributes that use the concept, which the document does not typically do.	Be consistent in how cross-references are used. WG2 has previously agreed to add cross-references from the later clause to clause 3, but we believe the reverse is not needed. Delete the Note.	Accepted. Also add ref to source of definition. Done.
082	US-05	03.3.81		te	A namespace is not just for designations. Also, business need is not defined.	Replace the definition with the following: set of names for a defined purpose.	Partially accepted. Agree to replace 'business need' by 'defined purpose'. 'designation' includes both 'Signs' and 'Names', so is the broader term. Namespaces can be used for identifiers as well as for 'designations'. Use "designations and/or scoped identifiers". Posted as Issue 508. Done.
083	US-06	03.3.82		te	A naming convention is not just for designations.	Replace the definition with the following: specification of how names are formulated.	Take with #079 / 080 Add notes that a naming convention may apply to identifiers if the associated namespace includes identifiers. Done.
084	CA-052	03.3.91	definition	Te	The definition refers to 'a specific value domain', but the model in Figure 11-3 and in clause 11.3.2.7 and 11.3.3.5 shows zero to many value domains for the permissible value set association.	Either change the multiplicity of the association, or change the definition of permissible value, to make them consistent.	Resolved by #086 (CA-054)

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085	CA-053	03.3.91	definition	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value meaning' by 'concept instance meaning'	Dependent on acceptance of #077. Not accepted.
086	CA-054	03.3.91	definition	Te	The definitions of Value Domain and permissible value are circular. Value Domain is defined as: set of permissible values Permissible value is defined as: designation of a value meaning within a specific value domain Substituting the former into the latter yields: Permissible value: designation of a value meaning within a specific set of permissible values	The definition of permissible value needs to be rewritten. Suggest deleting the phrase 'within a specific value domain', and adding a note describing the association with zero to many value domains.	Accepted with modification. The association is with 'enumerated value domain'. Done.
087	US-07a	04.4.2	Paragraph 1	ed	The spelling is inconsistent for "Implementors"/"implementers".	Our review of dictionaries shows both spellings are acceptable. Merriam Webster has the spelling both ways. We could not find the term in the OED. ISO has standards with both spellings. Therefore, pick one and use it consistently.	Standardize on 'implementer'. See also seq 095. Change 4.4.2. Done.
088	CA-063	04.6	item d	Ed	There is an extra space after the second comma.	Remove the extra space.	Accepted. Done.
089	CA-064	05 thru 11	various	Ed	The terms 'package' and 'region' are sometimes capitalized, and sometimes not.	Use consistent capitalization. We recommend lower case.	Accepted. Done.
090	CA-065	05 thru 11	various	Te	Subclause 6.2 describes the basic types of the metamodel. The 19773 features of multistring and multitext should be included. Elsewhere, the multistring and multitext features should be used, where appropriate, to provide multi-lingual capability, such as textual descriptions. Note that WG2 has spent much time developing 19773 for common, reusable features to be used in several WG2 projects, and note that 19773 has completed the FCD stage, therefore the 19773 features should be referenced and used.	Use multistring and multitext, as appropriate. Use 19773 multilingual features.	Accepted <u>in principle</u> with modification. Posted as Issue 510. We should enable its use, not require it. An implementer may use Multistring/Multitext wherever Sting / Text is used. Add appropriate definitions and references.

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							Deferred to next edition because of potential impact on conformance and compatibility.
091	CA-066	05 thru 11	various	Te	Edition 3 FCD has broken the already very limited versioning capability of Edition 2. In Edition 2, 'version' is part of the 'Item_Identifier', allowing multiple versions of an item to be registered with the same <i>data_identifier</i> , but different <i>versions</i> . In Edition 3, 'version' is just an attribute of Administered_Item, allowing only one version of an item to be registered with the same <i>identifier</i> .	Restoring the Edition 2 functionality can be accomplished by moving 'version' from Administered_Item to Scoped_Identifier. In the long term, we need to specify requirements for version control, and then determine how best to meet those requirements.	Accepted. Done.
092	CA-067	05 thru 11	various	Ed	In clause 3 we use bold font to indicate that a term used in a definition is itself a defined term in clause 3. In clauses 5 thru 11, we use <i>italic</i> font to indicate that a term used is either a defined term in clause 3, or a metamodel element in specified in clauses 5 thru 11. We also use cross-references to the definitions. <u>Should we distinguish more clearly between terms defined in clause 3 and metamodel elements, e.g. by using bold font for the terms from clause 3?</u>	To be discussed at Ballot Resolution Meeting.	Accepted with modification Posted as Issue 511. Use bold for clause 3 terms and <i>italic</i> for metamodel terms. <u>Done.</u> The conventions need to be explained in an appropriate location. <u>Done in clause 5.3</u>
093	US-09	05.2	2, line 5 (also see line 3)	ed	The phrase "among systems tools and information registries" sounds awkward.	Should it be: "system tools" or "systems, tools, and information registries", or just left as is? On Google, "system tools" is much more commonplace.	Insert comma after 'systems'. Done.
094	CA-068	05.2	list item 1	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value meaning' by 'concept instance meaning'.	Dependent on acceptance of #077. Not accepted.
095	US-07b	05.2	Paragraph 4	ed	The spelling is inconsistent for "Implementors"/"implementers".	Our review of dictionaries shows both spellings are acceptable. Merriam Webster has the spelling both ways. We could not find the term in the OED. ISO has standards with both spellings.	Standardize on 'implementer'. See also seq 087.

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						Therefore, pick one and use it consistently.	No change required here.
096	US-08	05.5.1		ed	The reference "See 4 Conformance." does not follow the directives.	Change to: "See clause 4." If there are other references which do not conform to the directives, correct them as well.	Accepted. Done.
097	CA-069	05.5.1	figure 5-2	Ed	Why are the Designatable_Item and Classifiable_Item named this way, instead of Designated_Item and Classified_Item? These types will only be applied to metadata items when they are to be used, at which point the item will be Designated or Classified. Why does the same principle not apply to Identified_Item and Registered_Item, since we no longer <u>require</u> any metadata item to be identified or registered.	If there is a valid reason for the current naming, it should be stated in the text. Otherwise, rename to Designated_Item and Classified_Item wherever they are used.	Posted as Issue 512. Discussed at BRM. Yes, cardinalities are optional. Added explanatory notes in the main clauses describing the classes, 9.2.2.1 for for Classifiable_Item and 7.3.2.2 for Designatable_Item. Done.
098	JP-002	05.5.1	Figure 5-2		There might be a Registered_Item that is neither an Administered_Item nor an Attached_Item.	{complete, disjoint} (of Registered_Item) should be {disjoint}.	Not accepted. The item would simply be Identified, and possibly designated. Registered_Item is an abstract class, and any instance must be either an instance of one or the other sub-classes. Posted as Issue 513.
099	CA-070	05.5.2	last para	Ed	The word 'to' is missing after 'according'	Add the missing word.	Accepted. Done.
100	US-10	05.5.2	Para 3	ed	"accordng the" is not correct.	Change to: "according to the". Note the spelling correction to the word "according".	Accepted. Done.
101	US-11	05.6	Page 30	ed	The "and" is missing before "statistical data,"	Change to: "and statistical data,"	Accepted. Done.

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102	US-07c	05.6	Paragraph 2	ed	The spelling is inconsistent for "Implementors"/"implementers".	Our review of dictionaries shows both spellings are acceptable. Merriam Webster has the spelling both ways. We could not find the term in the OED. ISO has standards with both spellings. Therefore, pick one and use it consistently.	Standardize on 'implementer'. No change required here.
103	CA-071	05.7	reference	Te	The latest version of ISO 8601 is dated 2004.	Change the reference to ISO 8601:2004.	Accepted. Done here and in the Bibliography.
104	CA-073	06 thru 11	all	Ed	The tables of attributes include the row 'Data type', but in this document we use the form 'Datatype'	Change all occurrences of 'Data type' to 'Datatype'.	Accepted. Done throughout the document.
105	CA-074	06 thru 11	all	Te	The descriptions of associations tends to focus on the syntax and do not always describe the meaning of the associations.	Review all descriptions and add explanations of what the associations mean, where this is missing.	Accepted. <u>Done</u> .
106	CA-072	06 thru 11	various	Te	The use of 'designation', 'name' and 'sign' is confused. According to 3.3.80, 'name' implies a linguistic expression, while according to 3.3.119, 'sign' is any textual string or symbol. However, in the classes Individual and Organization, we have attributes called 'name' with a datatype of 'Sign' This is inconsistent. In Designation, the attribute designation_sign has datatype 'Sign', which is more consistent.	Make the use of 'name' and 'sign' in the model consistent with their definitions. Do not use 'Sign as a datatype for anything called 'name'.	Withdrawn. See also #079 – 083, #120. Posted as Issue 514.
107	JP-003	06 thru 11	various	Ed	For each role of an association, its multiplicity should be specified in a main text, in addition to the figure for readers' convenience.		Accepted. <u>Done</u> .
108	CA-075	06.2.7	line 1	Ed	The xref to 3.3.83 should be in parentheses.	Add the missing parentheses.	Accepted. Done.
109	CA-076	06.3.2	All	Te	In subclause 6.3.2, the contact data does not use the 19773 contact data module. Contact data was one of the primary reasons for the creation of 19773 and a reusable set of modules.	Use the 19773 contact data module.	See also #110. Discussed at BRM. Resolution: Proposal that we allow reference to external

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							standards, similar to datatype scheme reference.
110	CA-077	06.3.2	All	Te	Contact requires the specification of an Individual at an Organization, but frequently an organization will want to specify a role, without specifying the individual that performs the role, since that information is more volatile than the role itself. The definition of <i>contact</i> in clause 3 explicitly refers to Role.	Add the capability to specify a Role instead of an Individual. Remove the requirement to specify an Individual. Make the class consistent with the definition.	Accepted. Done Posted as Issue #522. See also #109
111	CA-080	06.3.4.1	3 rd list item	Te	In Figure 6-2, 'region_identifier' was renamed to 'geopolitical_territory_identifier'. The text needs to be changed to match.	Change 'region_identifier' to 'geopolitical_territory_identifier'.	Accepted. Done.
112	CA-078	06.3.4.1	All	Te	The clause references RFC 4646, which has been superseded by RFC 5646.	Update the reference, and review the new RFC to see what other changes are required to align with it.	Accepted. Done.
113	CA-079	06.3.4.1	Para 2	Te	Para 2 presents a list of parts of Language_Identification. Note 1 subsequently introduces the term 'language subtags' without explanation that this refers to the listed items.	Expand the text that introduces the list, as follows: "The identifier is comprised of the following attributes, which are based on IETF RFC 5646. IETF RFC 5646 refers to these attributes as 'language subtags'."	Accepted, but consider #112. Done.
114	CA-081	06.3.4.2.3	heading, attribute name	Ed	In Figure 6-2, 'region_identifier' was renamed to 'geopolitical_territory_identifier'. The text needs to be changed to match.	Change 'region_identifier' to 'geopolitical_territory_identifier'.	Accepted. Done.
115	CA-082	06.3.4.2.4	Note	Ed	The word 'to' is missing after 'are used'	Add the missing word.	Accepted. Done.
116	CA-083	06.3.4.2.5	Note 2	Ed	When the FDIS is published, another check should be made to see if any extensions have been registered.	If extensions are found, they should be listed, or if not, the 'as of' date should be updated.	Accepted. Action required just before next ballot. <u>None found.</u>

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117	CA-084	06.3.5	All	Te	The organization class should have additional attributes, such as: email_address, phone_number, web URI for use independent of any specific contact.	Add the suggested attributes, and any others that may be suggested by the ballot resolution meeting.	Accepted. Needs updates to both Figure 4 and Text. Done.
118	CA-085	06.3.6.2.2	All	Te	If reference_document_type_description really is intended to describe the 'type' of document, then it would be more natural to develop a reference table of type codes and descriptions, and to use the code in the reference document itself. We are not proposing that WG2 standardize the list of codes, just that we model using a reference table and allow the RA and/or registry users to specify their own values. Alternatively, if the intent is to describe the particular document, remove the word type from the name.	The BRM should determine whether this attribute is intended to specify a document type, or to describe the document, and make the appropriate changes.	Discussed at BRM. Resolution: Introduce 'Document Type' class with optional attributes: identifier description scheme reference Done
119	CA-086	06.3.6.2.6	header, attribute name,	Te	The attribute name 'reference_provider' is inconsistent with the other attribute names, and does not accurately reflect the intent. See similar comment on 3.3.102.	Rename 'reference_provider' to 'reference_document_provider', and update Figure 6_2 as well.	Accepted with modification. Per #017 not to repeat class name in attribute name, the new name should be just 'provider' Done.
120	US-12	07.1	Before the table	ed	As a consequence of the comments on 3.3.80 and 3.3.82, some clarification is needed at this point.	Explain that both designation and scoped identifier are kinds of name.	See also #079 – 083, #106. Discussed at BRM. Not accepted. See resolution of 079.
121	CA-087	07.1	Table 7-1	Ed	In the last row of the table, 'Type' s/b 'Datatype'.	Make the correction.	Accepted. Done.
122	CA-088	07.2.2.2.2.2	obligation	Te	The attribute full_expansion is specified as derived, but the specification does not include the derivation rules. If we cannot specify the derivation rules, we should not specify it as derived. Changing the text to not specify it	Remove 'derived' from the obligation, and remove the '/' from the attribute name in Figure 7-1 (which indicates that it is derived).	Not accepted. The text explains that the derivation rules depend on the type of namespace.

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					as derived does not prevent it <u>being</u> derived in any particular instance.		
123	CA-089	07.2.2.2.3	condition	Ed	In the note, the attribute is name is specified incorrectly.	Change 'short_expansion' to 'shorthand_expansion'.	Accepted. Done.
124	CA-091	07.2.2.4.1	Note	Ed	The note refers to ebXML and 19773. Add xrefs to where more information can be found, in Bibliography and Normative References respectively.	Add the cross-references.	Accepted but 19773 has been moved to the Bibliography.. Done
125	JP-005	07.2.2.4.1	Note	Te	<i>The Note at the end of 7.2.2.4.1 Description of Slot refers to ebXML, but this is too general.</i>	ebXML should be ebXML RIM (see bibliography item [17])	Accepted. Done.
126	CA-090	07.2.2.4.1	para 3, item 2	Ed	In the example, the string specified is a Date, not a Datetime.	Change 'Datetime' to 'Date'.	Accepted. Done.
127	CA-092	07.2.2.4.2.1	definition	Ed	A CD2 ballot comment changed the attribute name from 'slot_name' to 'name' on the grounds that including the class name in the attribute is redundant. However, this means that the definition is now invalid since it uses the attribute name in its own definition: name: name of the Slot	Either revise the definition to avoid the circular reference, or restore the previous attribute name. We would prefer to restore the previous name.	Discussed at BRM. Resolution: In the definition, change 'name' from italic to bold and include clause ref. toc clause 3. Done.
128	CA-093	07.2.2.4.2.2	name	Ed	The name 'type' is misleading and too general, since this is attribute specifies the 'datatype' of the slot.	Rename 'type' to 'datatype', or 'slot_datatype' depending on the resolution of related comments on 'name' and 'value'. If the prefix 'slot_' is not used, then the definition will have to be reworded to avoid a circular reference. We would prefer 'slot_datatype', to avoid confusion with the Datatype class.	Discussed at BRM. Another alternative would be value_datatype. ebXML does not restrict type to be datatypes. IKV is not entirely equivalent to ebXML slot. Consider changing datatype of 'value' from String to Value. Leave name as 'type'.

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							Posted to Bugzilla as #515 for further input and NB positions. Proposed solution: Change definition of Slot.type to: "categorization of the <i>value</i> of the <i>Slot</i> " and add a comment: " <i>type may</i> be used to categorize slot values in some way, including but not limited to specifying the datatype of the value." Done
129	CA-094	07.2.2.4.2.3	definition	Ed	A CD2 ballot comment changed the attribute name from 'slot_value' to 'value' on the grounds that including the class name in the attribute is redundant. However, this means that the definition is now invalid since it uses the attribute name in its own definition: value: value of the Slot	Either revise the definition to avoid the circular reference, or restore the previous attribute name. We would prefer to restore the previous name.	See resolution of #127. Leave as 'value'.
130	CA-095	07.2.3.2	header	Ed	'association' is misspelt	Correct the spelling.	Accepted. Done.
131	CA-096	07.3.2.1	para 1	Ed	The reference to ISO 10241 is imprecise.	Change the reference to: [Adapted from ISO 10241 5.2.2.]	Replaced with a xref to acceptability rating in 3.2, which in turn has the reference to ISO 10241. Done.
132	CA-097	07.3.2.1	para 1	Te	Add an explanation of how this enumeration is used.	At the end of the sentence add: "This enumeration is used as a <i>datatype</i> for the	Accepted. Done.

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						attributes <i>designation_acceptability</i> and <i>definition_acceptability</i> .”	
133	CA-098	07.3.2.5	para 1	Ed	The term <i>context</i> should have an associated reference to its definition in clause 3.	Add the reference in parentheses after the term: <i>context</i> (3.3.26) (amended as required to allow for insertion and/or deletion of other terms.)	Accepted. Done
134	CA-099	07.3.2.5	para 2	Te	'owner of the registry' is not a defined term, so is meaningless.	Replace by 'steward of the <i>Context</i> , or the <i>Registration_Authority</i> '	Accepted with modification. 'steward' is no longer a defined term. Use: stewardship organization (3.2.129) responsible for the <i>Context</i> , or the registration authority (3.2.113) responsible for the registry. Done.
135	CA-100	07.3.2.5	paras 3 and 4	Ed	The description of associations has not been rewritten in the agreed style: A <i>Context</i> <u>may</u> have zero or more <i>Definition_Context</i> (7.3.3.1) associations with a <i>relevant_definition</i> of type <i>Definition</i> where the <i>Context</i> provides the <i>scope</i> of the associated <i>Definition</i> . A <i>Context</i> <u>may</u> have zero or more <i>Designation_Context</i> (7.3.3.2) associations with a <i>relevant_designation</i> of type <i>Designation</i> where the <i>Context</i> provides the <i>scope</i> of the associated <i>Designation</i> .	Replace these paragraphs by: A <i>Context</i> <u>may</u> participate in the associations: — <i>Definition_Context</i> (7.3.3.1) with zero or more <i>relevant_definitions</i> of type <i>Definition</i> (7.3.2.4) where the <i>Context</i> provides the <i>scope</i> of the associated <i>Definition</i> . — <i>Designation_Context</i> (7.3.3.2) with zero or more <i>relevant_designation</i> of type <i>Designation</i> (7.3.2.3) where the <i>Context</i> provides the <i>scope</i> of the associated <i>Designation</i> .	Accepted. Done.
136	JP-001c	07.3.2.5 <i>Context</i>	definition	Te	Its definition should be reverted to Ed2 since there is no reason that it needs to be changed from Ed2 and the meaning "circumstances" are too general and ambiguous.		See resolution of 3.3.26.(#063 - JP-001b) Replace 'circumstances' by 'setting'. Done.

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137	CA-101	07.3.2.6	paras 6, 7 and 8	Te	<p>Three paragraphs in this is subclause still use the term <i>Designation_Space</i> instead of <i>Namespace</i>, and <i>designation_space_membership</i> instead of <i>designation_namespace</i>. They also need to be revised to follow the new structure for specifying associations.</p> <p>Existing text: A <i>Designation_Space</i> may have zero or more <i>designation_space_membership</i> associations with an <i>included_designation</i> of type <i>Designation</i> where the <i>Designation_Space</i> provides the <i>namespace</i> of the associated <i>Designation</i>. One use of <i>Designation_Spaces</i> is to permit the <i>Designatable_Item</i> represented by a <i>designation_sign</i> to be uniquely determined for a sign within a particular <i>Designation_Space</i>. A <i>Designation_Space</i> may participate in the associations: <i>naming_convention_utilization</i> and <i>designation_space_membership</i>.</p>	<p>Replace by: A <i>Namespace</i> may have zero or more <i>designation_namespace</i> associations with an <i>included_designation</i> of type <i>Designation</i> providing the <i>namespace</i> of the associated <i>Designation</i>. One use of <i>Namespace</i>s is to permit the <i>Designatable_Item</i> represented by a <i>designation_sign</i> to be uniquely determined for a sign within a particular <i>Namespace</i>.</p> <p>The third paragraph was redundant and has been deleted.</p>	Accepted. Done.
138	CA-102	07.3.3.1.1	para 3	Ed	There is spurious 'of' after 'within'.	Remove 'of'.	Accepted. Done.
139	CA-103	07.3.3.1.2.1	definition	Ed	The definition uses the term acceptability but the defined term in clause 3.3.1 is 'acceptability rating'. 'Acceptability rating' is used by both ISO 10241 (from which we take the term) and by ISO 1087.	Change 'acceptability' to 'acceptability rating' and highlight to show it is a defined term.	Accepted. Done.
140	CA-104	07.3.3.2.2.1	definition	Ed	The definition uses the term acceptability but the defined term in clause 3.3.1 is 'acceptability rating'. 'Acceptability rating' is used by both ISO 10241 (from which we take the term) and by ISO 1087.	Change 'acceptability' to 'acceptability rating' and highlight to show it is a defined term.	Accepted. Done.
141	CA-105	07.3.4.1	all	Ed	<p>This subclause needs to be reformatted in the new style.</p> <p>Existing text: <i>designation_namespace</i> is an association between a <i>Designation</i> and a <i>Namespace</i> that indicates that the</p>	<p>Replace by: The <i>designation_namespace</i> association records the binding of zero or more <i>Designations</i> (7.3.2.3)</p>	Accepted. Done.

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					<p><i>Designation</i> is bound to that <i>Namespace</i>. The association is used to record the <i>Namespaces</i> in which a <i>Designation</i> is valid.</p> <p>The association has two roles: namespace (verb form: occurs_in_namespace) and binding (verb form: binds_to). The namespace role refers to a <i>Namespace</i>. The binding role refers to a <i>Designation</i>. Each namespace may have zero or more bindings. Each binding may occur in zero or more namespaces.</p>	<p>to zero or more <i>Namespaces</i> (7.3.2.6). The association is used to record the <i>Namespaces</i> in which a <i>Designation</i> is valid.</p> <p>The association has two roles:</p> <ul style="list-style-type: none"> — namespace (verb form: occurs_in_namespace) which references a <i>Namespace</i>; — binding (verb form: binds_to) which references a <i>Designation</i>. 	
142	CA-106	07.3.4.2	all	Ed	<p>This subclause needs to be reformatted in the new style.</p> <p>Existing text:</p> <p><i>item_definition</i> is an association between a <i>Designatable_Item</i> and a <i>Definition</i>, that indicates that the <i>Designatable_Item</i> is defined by <i>Definition</i>. The association records all of the definitions for a specific <i>Designatable_Item</i>.</p> <p>The association has two roles: item (verb form: used_for_item) and definition (verb form: has_definition). The item role references a <i>Designatable_Item</i>. The definition role references a <i>Definition</i>. Each definition shall have exactly one item. Each item may have zero or more definitions.</p> <p>A <i>Definition</i> is used for exactly one <i>Designatable_item</i>. Definitions may not be not be reused across multiple <i>Designatable_Items</i> because each such item should be distinct and distinguishable, and this should be reflected in the <i>Definition</i>, if not in the text itself, then in the associated <i>Context</i>.</p>	<p>Replace by:</p> <p>The <i>item_definition</i> association between a <i>Designatable_Item</i> (7.3.2.2) and zero or more <i>Definitions</i> (7.3.2.4), records that the <i>Designatable_Item</i> is defined by the <i>Definition</i>. The association records all of the definitions for a specific <i>Designatable_Item</i>.</p> <p>The association has two roles:</p> <ul style="list-style-type: none"> — item (verb form: used_for_item); — definition (verb form: has_definition). <p>The item role references a <i>Designatable_Item</i>. The definition role references a <i>Definition</i>. Each definition shall have exactly one item. Each item may have zero or more definitions.</p> <p>A <i>Definition</i> is used for exactly one <i>Designatable_item</i>. Definitions may not be not be reused across multiple <i>Designatable_Items</i></p>	Accepted. Done.

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						because each such item should be distinct and distinguishable, and this should be reflected in the <i>Definition</i> , if not in the text itself, then in the associated <i>Context</i> .	
143	CA-107	07.3.4.3	all	Ed	<p>This subclause needs to be reformatted in the new style.</p> <p>Existing text:</p> <p><i>item_designation</i> is an association between a <i>Designatable_Item</i> and a <i>Designation</i>, that indicates that the <i>Designatable_Item</i> is designated by the <i>Designation</i>. The association records all of the <i>Designations</i> (sign + language pairs) of a <i>Designatable_Item</i>.</p> <p>The association has two roles: item (verb form: used_for_item) and designation (verb form: has_designation). The item role references a <i>Designatable_Item</i>. The designation role references a <i>Designation</i>. Each designation shall be used for exactly one item. An item may have zero or more designations.</p> <p><i>Designations</i> may not be not be reused across multiple <i>Designatable_Items</i> because each such item should be distinct and distinguishable, and this should be reflected in the <i>Designation</i>, if not in the <i>Sign</i> itself, then in the associated <i>Context</i> or <i>Namespace</i>.</p>	<p>Replace by:</p> <p>The <i>item_designation</i> association between a <i>Designatable_Item</i> (7.3.2.2) and zero or more <i>Designations</i> (7.3.2.3), records all of the <i>Designations</i> (sign + language pairs) of a <i>Designatable_Item</i>.</p> <p>The association has two roles:</p> <ul style="list-style-type: none"> — item (verb form: used_for_item); — designation (verb form: has_designation). <p>The item role references a <i>Designatable_Item</i>. The designation role references a <i>Designation</i>. Each designation shall be used for exactly one item. An item may have zero or more designations.</p> <p><i>Designations</i> may not be not be reused across multiple <i>Designatable_Items</i> because each such item should be distinct and distinguishable, and this should be reflected in the <i>Designation</i>, if not in the <i>Sign</i> itself, then in the associated <i>Context</i> or <i>Namespace</i>.</p>	Accepted. Done.
144	CA-108	07.3.4.4	all	Ed	<p>This subclause needs to be reformatted in the new style.</p> <p>Existing text:</p> <p><i>naming_convention_conformance</i> is an association between a <i>Designation</i> and a <i>Naming_Convention</i></p>	<p>Replace by:</p> <p>The <i>naming_convention_conformance</i> association between a <i>Designation</i> (7.3.2.3) and zero or more <i>Naming_Conventions</i> (7.3.2.7) records which</p>	Accepted. Done.

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					<p>indicating that the <i>Designation</i> conforms to the <i>Naming_Convention</i>. The association records which <i>Naming_Conventions</i> (if any) a particular <i>Designation</i> conforms to.</p> <p>The association has two roles: convention (verb form: conforms_to) and conformant_designation (verb form: has_conformant_designation). The convention role refers to a <i>Naming_Convention</i>. The conformant_designation role refers to a <i>Designation</i>. Each conformant_designation may have zero or more conventions. Each convention may have zero or more conformant_designations.</p>	<p><i>Naming_Conventions</i> (if any) a particular <i>Designation</i> conforms to.</p> <p>The association has two roles:</p> <ul style="list-style-type: none"> — convention (verb form: conforms_to); — conformant_designation (verb form: has_conformant_designation). <p>The convention role refers to a <i>Naming_Convention</i>. The conformant_designation role refers to a <i>Designation</i>. Each conformant_designation may have zero or more conventions. Each convention may have zero or more conformant_designations.</p>	
145	CA-109	07.3.4.5	all	Ed	<p>This subclause needs to be reformatted in the new style.</p> <p>Existing text:</p> <p><i>naming_convention_utilization</i> is an association between a <i>Namespace</i> and a <i>Naming_Convention</i> indicating that the <i>Namespace</i> uses the <i>Naming_Convention</i> for its <i>Designations</i>. The association records the <i>Naming_Conventions</i> (if any) used by a <i>Namespace</i>.</p> <p>The association has two roles: utilization (verb form: utilized_by) and acceptable_convention (verb form: accepted_convention). The utilization role refers to a <i>Namespace</i>. The acceptable_convention role refers to a <i>Naming_Convention</i>. Each utilization may utilize zero or one accepted_conventions. Each accepted_convention has zero or more utilizations.</p>	<p>Replace by:</p> <p>The <i>naming_convention_utilization</i> association between a <i>Namespace</i> (7.3.2.6) and zero or more <i>Naming_Conventions</i> (7.3.2.7) records that the <i>Namespace</i> uses the <i>Naming_Convention</i> for its <i>Designations</i>. The association records the <i>Naming_Conventions</i> (if any) used by a <i>Namespace</i>.</p> <p>The association has two roles:</p> <ul style="list-style-type: none"> — utilization (verb form: utilized_by); — acceptable_convention (verb form: accepted_convention). <p>The utilization role refers to a <i>Namespace</i>. The acceptable_convention role refers to a</p>	Accepted. Done.

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						<i>Naming Convention.</i> Each utilization may utilize zero or one accepted_conventions. Each accepted_convention has zero or more utilizations.	
146	CA-111	07.3.4.6	all	Ed	<p>This subclause needs to be reformatted in the new style.</p> <p>Existing text:</p> <p><i>term_definition_pairing</i> is an association between a <i>Designation</i> and a <i>Definition</i>. The association is used to bind <i>Designations</i> to their associated <i>Definitions</i>.</p> <p>NOTE 1 If there is a need to pair a term with different definitions in different contexts, then this requires the use of separate <i>Designatable_Items</i>, <i>Designations</i> and <i>Definitions</i>, even though the <i>Sign</i> used by each <i>Designation</i> may be identical.</p> <p>NOTE 2 The requirement that a <i>Designation</i> be associated with a <i>Designatable_Item</i>, means that it is not possible to use the registry simply to record terms and their definitions without reference to some item. It is anticipated that such a requirement would be met by the use of a <i>Concept_System</i> (Error! Reference source not found.), where term is associated with a <i>Concept</i> (Error! Reference source not found.).</p> <p>The association has two roles: <i>definition_heading</i> (verb form: <i>used_for_definition_heading</i>) and <i>specific_definition</i> (verb form: <i>defined_as</i>). The heading role refers to a <i>Designation</i>. The <i>specific_definition</i> role refers to a <i>Definition</i>. Each <i>specific_definition</i> may have zero or one <i>definition_headings</i>. Each <i>definition_heading</i> may have zero or one <i>specific_definitions</i>.</p>	<p>Replace by:</p> <p>The <i>designation_definition_pairing</i> association between a <i>Designation</i> (7.3.2.3) and a <i>Definition</i> (7.3.2.4) records the binding of a <i>Designation</i> to its associated <i>Definition</i>.</p> <p>NOTE 1 If there is a need to pair a designation with different definitions in different contexts, then this requires the use of separate <i>Designatable_Items</i> (7.3.2.2), <i>Designations</i> and <i>Definitions</i>, even though the <i>Sign</i> used by each <i>Designation</i> may be identical.</p> <p>NOTE 2 The requirement that a <i>Designation</i> be associated with a <i>Designatable_Item</i>, means that it is not possible to use the registry simply to record terms and their definitions without reference to some item. It is anticipated that such a requirement would be met by the use of a <i>Concept_System</i> (Error! Reference source not found.), where term is associated with a <i>Concept</i> (Error! Reference source not found.).</p> <p>The association has two roles:</p> <ul style="list-style-type: none"> — <i>definition_heading</i> (verb form: <i>used_for_definition_heading</i>); — <i>specific_definition</i> (verb form: <i>defined_as</i>). 	<p>Accepted with modification to make the wording more consistent with that of other associations.</p> <p>Done.</p>

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0	1	2	(3)	4	5	(6)	(7)
seq #	MB ¹	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table/ Note (e.g. Table 1)	Type of comment ²	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
						The definition_heading role refers to a <i>Designation</i> . The specific_definition role refers to a <i>Definition</i> . Each specific_definition may have zero or one definition_headings. Each definition_heading may have zero or one specific_definitions.	
147	CA-110	07.3.4.6	heading	Ed	The association between Designation and Definition is called 'term_definition_pairing', but we do not use the term 'term' in this context.	Rename the association to: 'designation_definition_pairing' Revise Figure 7-2 accordingly.	Accepted. Done.
148	CA-112	08.1.2.2.2	attributes	Te	In the description of attributes, two references to datatype <i>Date</i> should be <i>Datetime</i> for consistency with the description and Figure 8-1.	Change <i>Date</i> to <i>Datetime</i> for <i>creation_date</i> and <i>last_change_date</i> .	Accepted. Done.
149	CA-113	08.1.2.2.3.2	data type	Te	The reference to datatype <i>Date</i> (6.2.3) should be <i>Datetime</i> (6.2.4) for consistency with the description and Figure 8-1.	Change <i>Date</i> (6.2.3) to <i>Datetime</i> (6.2.4).	Accepted. Done.
150	CA-114	08.1.2.2.3.3	data type	Te	The reference to datatype <i>Date</i> (6.2.3) should be <i>Datetime</i> (6.2.4) for consistency with the description and Figure 8-1.	Change <i>Date</i> (6.2.3) to <i>Datetime</i> (6.2.4).	Accepted. Done.
151	CA-115	08.1.2.5.2	para 3	Ed	The reference to ra_identifier should be registration_authority_identifier	Make the correction	Accepted. Done
152	CA-116	08.1.2.6.1	para 3, 1 st list item	Ed	'live-cycle' should be 'life-cycle'	Make the correction	Accepted. Done
153	CA-117	08.1.2.6.1	para 3, 2 nd list item	Te	The reference to datatype <i>Date</i> (6.2.3) should be <i>Datetime</i> (6.2.4) for consistency with the description and Figure 8-1.	Change <i>Date</i> to <i>Datetime</i>	Accepted. Done.
154	CA-118	08.1.2.6.1	para 4, 2 nd list item	Te	The reference to datatype <i>Date</i> (6.2.3) should be <i>Datetime</i> (6.2.4) for consistency with the description and	Change <i>Date</i> to <i>Datetime</i>	Accepted. Done.

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					Figure 8-1.		
155	CA-119	08.1.2.6.2.2	data type	Te	The reference to datatype <i>Date</i> (6.2.3) should be <i>Datetime</i> (6.2.4) for consistency with the description and Figure 8-1.	Change <i>Date</i> (6.2.3) to <i>Datetime</i> (6.2.4).	Accepted. Done.
156	CA-120	08.1.2.6.2.3	data type	Te	The reference to datatype <i>Date</i> (6.2.3) should be <i>Datetime</i> (6.2.4) for consistency with the description and Figure 8-1.	Change <i>Date</i> (6.2.3) to <i>Datetime</i> (6.2.4).	Accepted. Done.
157	CA-121	08.1.2.9.2.5	Example	Ed	There is a space missing after 'or'.	Insert the missing space.	Accepted. Done.
158	CA-122	08.1.3.1	line 1	Ed	The first sentence does not follow the standard for class definition.	Replace: 'that models' by ', each instance of which models'.	Accepted. Done.
159	CA-123	08.1.3.1	line 3	Ed	The reference to 6.2.3 should be 6.3.2.	Correct the reference.	Accepted. Done.
160	CA-124	08.1.3.2	para 2, line 3	Ed	There is a spurious 'r' at the end of line 3	Remove the 'r'.	Accepted. Done.
161	CA-125	08.1.3.3	para 2	Ed	'Reference Document' s/b 'Reference_Document'.	Make the correction	Accepted. Done.
162	CA-127	08.1.5.1.1	para 1, line 2	Ed	'metadata register' is a defined term and should be <i>italicized</i> .	Make the correction	Accepted with modification – use bold for clause 3 terms. Done.
163	CA-128	08.1.6.1	All	Ed	This subclause needs to be reformatted in the new style. Existing text: <i>attachment</i> is an association between an <i>Administered_Item</i> (8.1.2.2) and an <i>Attached_Item</i> (8.1.2.3) that indicates that the <i>Attached_Item</i> shares all of the administration characteristics of the <i>Administered_Item</i> . <i>attachment</i> enables collections of <i>Registered_Items</i> (8.1.2.1) to be administered collectively as a block.	None provided.	Accepted. Done.

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					<i>attachment</i> has two roles: <i>owner</i> (verb form: <i>has owner</i>) and <i>attached item</i> (verb form: <i>attached to</i>). The <i>owner</i> role references an <i>Administered_Item</i> and the <i>attached item</i> role references an <i>Attached_Item</i> . Every <i>Attached_Item</i> shall have an <i>attachment</i> association with exactly one <i>owner Administered_Item</i> . An <i>Administered_Item</i> may have an <i>attachment</i> association with zero or more <i>Attached_Items</i> .		
164	CA-129	08.1.6.2	All	Te	We no longer use the term <i>identifier_space</i> . All occurrences should be replaced by <i>namespace</i> .	Make the necessary changes.	Accepted. Done.
165	CA-130	08.1.6.2	All	Ed	This subclause needs to be reformatted in the new style. Existing text: <i>registration_authority_identifier_space</i> is an association between a <i>Registration_Authority</i> (8.1.2.4.4) and a <i>Namespace</i> (8.1.4.1). A <i>Registration_Authority</i> may have zero or one <i>registration_authority_identifier_space</i> with a <i>registration_identifier_space Namespace</i> that provides the scope for the <i>registration_authority_identifier</i> (8.1.2.5.3.1) for the <i>Registration_Authority</i> .	None provided.	Accepted. Done.
166	CA-131	08.1.6.2	line 2	Ed	The word 'association' is missing following <i>registration_authority_identifier_space</i>	Make the correction.	Accepted. Done, but further modified by CA-130 (#165)
167	CA-132	08.1.6.3	All	Ed	This subclause needs to be reformatted in the new style. Existing text: <i>registration_authority_registrar</i> is an association between a <i>Registration_Authority</i> (8.1.2.4.4) and a <i>Registrar</i> (8.1.2.4) that indicates that the <i>Registrar</i> is a representative of the <i>Registration_Authority</i> . Every <i>Registration_Authority</i> shall have one or more <i>registration_authority_registrar</i> associations with a <i>Registrar</i> where the <i>Registration_Authority</i> provides the authority of the associated <i>Registrar</i> .	None provided.	Accepted. Done.

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168	CA-133	08.1.6.4	All	Ed	This subclause needs to be reformatted in the new style. Existing text: <i>stewardship</i> is the association of an <i>Administered_Item</i> (8.1.2.2) to a <i>Stewardship_Record</i> (8.1.2.7), which records the <i>stewardship_organization</i> (8.1.2.7.2.1) of type <i>Organization</i> (8.1.3.2) and <i>stewardship_contact</i> (8.1.2.7.2.2) of type <i>Contact</i> (8.1.3.1) involved in the stewardship of the <i>Administered_Item</i> .	None provided.	Accepted. Done
169	CA-134	08.1.6.5	All	Ed	This subclause needs to be reformatted in the new style. Existing text: <i>submission</i> is the association of a <i>Registered_Item</i> (8.1.2.1) with a <i>Submission_Record</i> (8.1.2.7.3), which records the <i>submission_organization</i> (8.1.2.8.2.1) of type <i>Organization</i> (8.1.3.2) involved in the <i>submission</i> of the <i>Registered_Item</i> .	None provided.	Accepted. Done.
170	JP-006	09.1.1	Figure 9-1	Te	The multiplicity of “end” role of Link_End association does not support a link between the same objects for a reflexive relation. Here are examples: tallerThanOrEqual(tallerOrEqual=Tony, shorterOrEqual=Tony)	The multiplicity of “end” role of Link_End association should be changed from 2..* to 1..*.	See also #175 (JP-009). Posted to Bugzilla as #516 From Kona BRM meeting: Convert Link_End to a class and drop the sub-classing from assertion_term (<u>now renamed to assertion_concept</u>), unless evidence is provided that a class may be subclassed from an association. DONE Update the text to reflect the changes to the figure. <u>Done.</u>

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171	CA-135	09.1.2.2.1	para 2	Te	The paragraph introduces the terms 'taxonomy' and 'meronomy', but they are not defined. These terms are not used elsewhere in the document. Is it necessary to introduce them.	Preferably remove the terms. If they are retained, add definitions in clause 3.	We need to say something about more elaborate concept systems. Unless a better alternative is provided, we should add definitions for the terms. Added definitions of the terms. Done.
172	CA-136	09.1.2.2.1	para 5 examples	Ed	OWL-DL is given as an example, but there is no reference as to where to find further information.	Add a reference in the Bibliography.	Accepted. Added reference to OWL Guide to the Bibliography. Done
173	JP-007	09.1.2.4.2	Description of relation	Te	"A relation is a subset of the power set of RxUD" should be "A relation is a (?) sense in which concepts may be connected, via constituent roles" to be consistent with 3.3.117 relation.		Accepted. Done.
174	JP-008	09.1.2.4.2	Description of relation	Te	Note 3 states that a unary relation is just a concept, but concept in MDR Part3 Ed3 has very broad meaning and any relation with any arity is a concept because Relation is a subclass of Concept.	Note 3 should be deleted.	Discussed at BRM. Resolution Add constraint that arity to be > 1. Reword NOTE 3 to explain that a unary relation would be registered as a concept. Done.
175	JP-009	09.1.2.4.2	Description of relation	Te	Note 4 is strange because a relation and an assertion are different because a relation is a concept but an assertion is not.	Note 3 states that a unary relation is just a concept, but concept in MDR Part3 Ed3 has very broad meaning and any relation with any arity is a concept because Relation is a subclass of Concept.	Note 3 should be deleted. Resolved by #174.

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176	CA-138	09.1.2.4.2	Note 1	Te	"Note 1 states that the <i>relation</i> is defined by means of a <i>predicate</i> , but no predicate is specified in the model. Without a predicate, how is the relevant subset specified? It seems inadequate to infer the relation from its member links. Since <i>Relation</i> is a subtype of <i>Concept</i> , it is possible we could use <i>Assertions</i> on the <i>Concept</i> to specify the <i>Relation</i> . If this is intended it should be explicitly stated, and note 1 needs to be reworded."	None provided.	Added 'assertion predicate' association between Relation and Assertion. We need a definition. Need to reword the note accordingly. <u>Reworded the note to refer to Assertion instead of Predicate.</u> <u>Done</u>
177	CA-137	09.1.2.4.2	para 1	Te	The description of Relation is too technical. Also, the description is not written in the standard style.	Provide a less technical description, and write it in the standard style.	Resolved by #173 (JP-007)
178	JP-010	09.1.2.5.2	Description of Relation_Role	Te	Rationale: "element" here is different from "elements" in Definition of 9.1.2.4.3.1 arity	"an argument (element) of a relation" should be "an argument of a relation".	Accepted. Done.
179	JP-011	09.1.2.6.2	Description of Link	Te	The difference between "member" and "instance" is not clear. If we see the examples at Table E-15, E-23, E-28, all the Links look instances of Relations.	"a member of a relation (not an instance) of a relation" should be "an instance of a relation".	Withdrawn.
180	JP-012	09.1.3.7	relation_link association and Figure 9-1	Te	relation_link association should have assertion_term as its direct superclass, which is what we agreed on at WG2 London meeting and WG2_1375 Editor's WIP draft of FCD reflects but 32N1983 FCD does not.		Posted to Bugzilla as #518. Resolution: Kona mtg agreed to keep the Figure as shown in the sneak peek FDIS. i.e. sub-class relation_link from the new assertion-predicate association. The meeting discussed sub-classing assertion_predicate from assertion_concept, but decided not to because we <u>the</u> subclassing of Link_End is removed by the resolution

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							of JP-06 (#170). <u>No change required.</u>
181	JP-013	09.1.3.9	link_end_role association	Te	The multiplicity of “source” role of link_end_role association should be specified as 0..* at 9.1.3.9 link_end_role association		Copy and paste errors fixed. <u>Use name ‘role_binding’ instead of source. Use 0..*. Further changes needed because Link_End converted to a class by resolution of #170.</u> <u>Done.</u>
182	CA-139	09.1.3.9	para 2,3	Te	The text has been copied from the previous clause and does not describe the link_end_role association.	Describe the link_end_role association.	Accepted. Done.
183	CA-140	09.1.4.1.2	para 3	Te	The subclassing of the Link_End association class from the assertion_term association has raised questions about the multiplicity of the associations at Concept.	Add a Note to the description of the Link_End association class after the description of the roles: Note: In Figure 9-1, the association 'assertion_term' has a multiplicity of '1..*' at concept (one or more terms), while the subclassed association has a multiplicity of '2..*' (two or more ends). The interpretation is that the superclass has a constraint that there be 'at least one' associated concept, while the subclass has the constraint that there be 'at least two'. Any association that satisfies the second constraint necessarily satisfies the first, so is a valid sub-class of the first. Question 1: Should be using the term multiplicity or cardinality here? Question 2: Should we be using	Subclassing removed by resolution of JP-006 (#170). <u>Done.</u>

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						'subclassing', 'subtyping' or something else when referring to associations?	
184	CA-141	09.2.2.2	constraint	Ed	The acronym DAG is provided for 'directed acyclic graphs', but this acronym is never used, nor is it listed in clause 3.4	Remove the acronym.	Accepted. Done.
185	JP-014	11.1.1	Figure 11-1	Te	Multiplicity of "domain" should be 1:1. Rationale: There is no reason that it needs to be changed from ed2.		Discussed at BRM. Resolution: Not accepted. Add rationale for 0..*. <u>Done – added note.</u>
186	CA-143	11.1.1	new	Ed	Clause 11.6 includes a consolidated figure of the metamodel region. It would be useful to make people aware of that fact up front.	Insert beneath Fig 11-1 a cross-reference to clause 11-6 with a description of what it contains.	Accepted. Done.
187	CA-142	11.1.1	para 1	Ed	The reference to figure 10-1 should be 11-1	Make the correction.	Accepted. Done, using revised Figure #.
188	US-13	11.1.1 & 11.1.2.1	Line 1 Line 1	ed	The references to Figure 10-1 are incorrect.	The reference should be to Figure 11-1.	Accepted. Done, using revised Figure #.
189	CA-144	11.1.2.1	para 1	Ed	The reference to figure 10-1 should be 11-1	Make the correction.	Accepted. Done, using revised Figure #.
190	CA-145	11.1.2.2.1	para 1	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value meaning' by 'concept instance meaning'.	Dependent on acceptance of #077. Not accepted.
191	CA-146	11.1.2.3	para 1	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value meaning' by 'concept instance meaning'.	Dependent on acceptance of #077. Not accepted.
192	CA-147	11.1.3	clause name	Ed	The metamodel region is misnamed.	Insert 'Data Description' after 'High Level'.	Accepted. Done.
193	CA-148	11.1.3.1	para 3	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value meaning' by 'concept instance meaning'. (2 occurrences)	Dependent on acceptance of #077. Not accepted.

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194	CA-149	11.1.3.1	para 4	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value meaning' by 'concept instance meaning'.	Dependent on acceptance of #077. Not accepted.
195	CA-150	11.1.3.4	Para 2	Ed	"i.e." is incorrect. The following statement is only an example of the preceding statement.	Change 'i.e.' to "For example,"	Accepted. Done.
196	CA-151	11.1.3.5	para 2	Ed	The reference to the UML model should specify the relevant figure.	Specify Figure 11-1.	Accepted. Done.
197	JP-015	11.2.2.1	<i>Characteristic</i>	Te	It should be reverted to Property as in 4.11.1.2 of ED2 since there is no reason that it needs to be changed. If Characteristic is introduced as defined in ISO 1087-1, it needs to be associated with Concept, not limited to Data_Element_Concept. There might be a lot of changes from ED2 that are not necessary. If they need not be changed, they should not be changed from the principle of consistency as a standard.		Needs discussion. The rationale for the change was that the term property was being used incorrectly. See also #199. Request for NB positions on Bugzilla. Posted as #517. Accepted – revert to Property. Also, revised the definition of property as recorded in the Bugzilla issue #517. DONE.
198	CA-152	11.2.2.1.2	Example	Te	The example given "Person Country of Residence" would be better model as a relationship between two objects. A better example of a data element concept would be "Person height".	Replace "Person Country of Residence" by "Person height"	Accepted. Done.
199	CA-153	11.2.2.2.2	para 1	Te	We need an example to clarify why a characteristic has no representation.	Add the following example at the end of para 1: E.g. 'Red' is a property, and can be represented, but the associated characteristic 'Colour' cannot be represented except via examples of properties.'	Resolved by #197 which reverts Characteristic to Property.
200	CA-154	11.2.3	All	Te	The descriptions of the associations describes the syntax but not what they mean.	Describe the meaning of the associations.	Accepted. <u>Done.</u>
201	CA-	11.2.3.3	para 1	Ed	There are some spurious words.	In line 2, delete 'that' from 'that whose'	Accepted. Done.

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	155					In line 3, delete 'the' from 'the a'.	
202	CA-156	11.3.1	Figure 11-3	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value_Meaning' by 'Concept_instance_Meaning' in the class name and all its attributes, and the association 'value_meaning_set'.	Dependent on acceptance of #077. Not accepted.
203	CA-157	11.3.1	Figure 11-3	Te	The multiplicity of the permissible_value_set association at the Enumerated_Value_Domain is shown as '0..*', but the definition of permissible value in 3.3.91 implies it should be '1..1'.	Either change the multiplicity of the association, or change the definition of permissible value, to make them consistent.	Discussed at BRM. Resolution support 1..* Change both diagram and definitions. Check defns of all attributes.
204	CA-158	11.3.1	Figure 11-3	Ed	Keep the caption on the same page as the figure.	Make the correction.	Accepted. Done.
205	CA-159	11.3.2.1.2	Para 1	Ed	The description does not conform to the standard style which begins: XXX is a class each instance of which models an xxx.	Rewrite in the standard style.	Accepted. <u>Done.</u>
206	CA-161	11.3.2.1.2	Para 1	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value_Meaning' by 'Concept_Instance_Meaning'.	Dependent on acceptance of #077. Not accepted.
207	CA-160	11.3.2.1.2	Para 1 Note	Ed	The reference to Fig 10-3 s/b 11-3.	Make the correction.	Accepted. Done.
208	CA-162	11.3.2.1.3.1	definition	Ed	The font size of the text is inconsistent with the rest of the table	Correct the font size.	Accepted. Done.
209	CA-163	11.3.2.2.2	Para 1	Ed	The description does not conform to the standard style which begins: XXX is a class each instance of which models and xxx.	Rewrite in the standard style.	Accepted. <u>Done.</u>
210	CA-164	11.3.2.3	clause name	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value_Meaning' by 'Concept_Instance_Meaning'.	Dependent on acceptance of #077. Not accepted.
211	CA-	11.3.2.3.2	All	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value_Meaning' by	Dependent on acceptance of

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	167					'Concept_Instance_Meaning'.	#077. Not accepted.
212	CA-165	11.3.2.3.2	clause name	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value_Meaning' by 'Concept_Instance_Meaning'.	Dependent on acceptance of #077. Not accepted.
213	CA-166	11.3.2.3.2	Para 1	Ed	The description does not conform to the standard style which begins: XXX is a class each instance of which models and xxx.	Rewrite in the standard style.	Accepted. <u>Done</u> .
214	CA-168	11.3.2.3.3	clause name	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value_Meaning' by 'Concept_Instance_Meaning'.	Dependent on acceptance of #077. Not accepted.
215	CA-170	11.3.2.3.3.1	attribute name	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value_meaning' by 'concept_instance_meaning'.	Dependent on acceptance of #077. Not accepted.
216	CA-169	11.3.2.3.3.1	clause name	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value_meaning' by 'concept_instance_meaning'.	Dependent on acceptance of #077. Not accepted.
217	CA-171	11.3.2.3.3.1	definition	Te	Apply the resolution of the comment on 3.3.62. Also, use the generic terms in the definition instead of the class names.	Replace 'Value_Meaning' by 'concept instance meaning'.	Dependent on acceptance of #077. Not accepted.
218	CA-172	11.3.2.3.3.1	note	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value meaning' by 'concept instance meaning'.	Dependent on acceptance of #077. Not accepted.
219	CA-174	11.3.2.3.3.2	attribute name	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value_meaning' by 'concept_instance_meaning'.	Dependent on acceptance of #077. Not accepted.
220	CA-173	11.3.2.3.3.2	clause name	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value_meaning' by 'concept_instance_meaning'.	Dependent on acceptance of #077. Not accepted.
221	CA-175	11.3.2.3.3.2	definition	Te	Apply the resolution of the comment on 3.3.62. Also, use the generic term in the definition instead of the class name.	Replace 'Value_Meaning' by 'concept instance meaning'.	Dependent on acceptance of #077. Not accepted.
222	CA-178	11.3.2.3.3.2	end marker	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value_Meaning' by 'Concept_Instance_Meaning'.	Dependent on acceptance of #077. Not accepted.
223	CA-176	11.3.2.3.3.2	note 1	Te	Apply the resolution of the comment on 3.3.62. Also, use the generic term in the definition instead of the class	Replace the note by:	Dependent on acceptance of #077. Not accepted.

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					name.	The absence of the <i>concept_instance_meaning_end_date</i> indicates that the <i>concept_instance_meaning</i> is still valid.	
224	CA-177	11.3.2.3.3.2	note 2	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value meaning' by 'concept instance meaning'. (2 occurrences)	Dependent on acceptance of #077. Not accepted.
225	CA-179	11.3.2.4.2	para 1	Ed	The description does not conform to the standard style which begins: XXX is a class each instance of which models and xxx.	Rewrite in the standard style.	Accepted. <u>Done.</u>
226	CA-180	11.3.2.4.2	para 1	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value_Meaning' by 'Concept_Instance_Meaning'.	Dependent on acceptance of #077. Not accepted.
227	CA-181	11.3.2.5.1	para 1	Ed	The description does not conform to the standard style which begins: XXX is a class each instance of which models and xxx. Also, the textual description of the attributes is missing.	Rewrite in the standard style.	Accepted. <u>Done.</u>
228	CA-182	11.3.2.5.1	para 2 note	Ed	The referenced figure should be 11-3, not 12.	Correct the reference.	Accepted. Done
229	CA-183	11.3.2.5.2	all	Te	The basic attributes in clause 12.4 support both minimum size and maximum size, while the metamodel supports on 'maximum character quantity'. This was also true in Edition 2. Why did we drop support for minimum size, and why did we restrict maximum size to character string?	Either restore the dropped functionality, or provide a rationale in the text for having dropped it. [If the latter, the rationale should go in Annex C which maps the basic attributes to the metamodel.]	No wish to restore functionality. No recollection of why it was dropped.
230	CA-184	11.3.2.6.2	para 1	Ed	The description does not conform to the standard style which begins: XXX is a class each instance of which models and xxx. Also, the textual description of the attributes is missing.	Rewrite in the standard style.	Accepted. <u>Done.</u>
231	CA-185	11.3.2.6.2	para 1	Te	The text states that an enumerated value domain must contain at least two permissible values, but figure 11-3 allows for only one value. There seems no reason to require more than one value. A value domain containing	Change 'two' to 'one'. Add a note that a single value implies a constant.	Accepted.Done.

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					a single permissible value would represent a constant, but we should not prevent users registering constants if they wish to do so.		
232	CA-186	11.3.2.7	Para 3	Te	The description of the permissible_value_set association here and in clause 11.3.3.5, is inconsistent with the definition of permissible value in clause 3.3.91.	Either change the multiplicity of the association, or change the definition of permissible value, to make them consistent.	Use 'one or more' Changed in what is now 3.2.94. Done.
233	CA-187	11.3.2.7.1	para 1	Ed	The description does not conform to the standard style which begins: XXX is a class each instance of which models and xxx. Also, the textual description of the attributes is missing.	Rewrite in the standard style.	Accepted. Done .
234	CA-188	11.3.2.8.2	para 1	Ed	The description does not conform to the standard style which begins: XXX is a class each instance of which models and xxx. Also, the textual description of the attributes is missing.	Rewrite in the standard style.	Accepted. Done .
235	CA-189	11.3.2.8.2	para 1	Te	The terms 'abstract class' and 'concrete class' need to be defined in clause 3.2.	Define the terms.	Accepted. Done.
236	CA-190	11.3.2.9.2.3	datatype	Te	The use of <i>Sign</i> to specify the datatype_scheme_reference is unnecessarily restrictive, when we have the basic class <i>Reference_Document</i> available	Change the datatype from <i>Sign</i> to <i>Reference_Document</i> . Make the corresponding change in Figure 11-3.	Accepted. Done.
237	CA-192	11.3.3.2	all	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value_meaning' by 'concept_instance_meaning'. (multiple occurrences)	Dependent on acceptance of #077. Not accepted.
238	CA-191	11.3.3.2	clause name	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value_meaning' by 'concept_instance_meaning'.	Dependent on acceptance of #077. Not accepted.
239	CA-193	11.3.3.2	para 2	Ed	The word 'of' is missing after 'cascading delete'	Make the correction.	Accepted. Done.
240	CA-	11.3.3.4	all	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value_meaning' by	Dependent on acceptance of

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	194				The name of the association itself is O.K. as is: permissible_value_meaning	'concept_instance_meaning'. (multiple occurrences)	#077. Not accepted.
241	CA-195	11.3.3.5	Para 2	Te	The description of the permissible_value_set association here and in clause 11.3.3.5, is inconsistent with the definition of permissible value in clause 3.3.91.	Either change the multiplicity of the association, or change the definition of permissible value, to make them consistent.	Use one or more. <u>Done.</u>
242	CA-196	11.3.4.2	constraint #1	Ed	The abbreviation w.r.t. may not be obvious to non-native English speakers.	Expand the abbreviation as 'with respect to'.	Accepted. Done.
243	CA-197	11.3.4.2	constraint #3 paras 2, 3	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value_meaning' by 'concept_instance_meaning'. (multiple occurrences)	Dependent on acceptance of #077. Not accepted.
244	CA-198	11.4.2.1.2	para 1	Te	The description does not conform to the standard style which begins: XXX is a class each instance of which models and xxx.	Insert at the beginning: Unit_of_Measure is a class each instance of which models a <i>unit of measure</i> , the units in which associated values are measured.	Accepted. Done.
245	CA-199	11.5.2.4.2.1	definition	Ed	The font size of the text is inconsistent with the rest of the table	Correct the font size.	Accepted. Done.
246	CA-200	11.5.2.5.1	para 1	Ed	The description does not conform to the standard style which begins: XXX is a class each instance of which models and xxx.	Rewrite in the standard style.	Accepted. <u>Done.</u>
247	CA-201	11.5.2.5.2.1	definition	Ed	The font size of the text is inconsistent with the rest of the table	Correct the font size.	Accepted. Done
248	CA-202	11.5.2.5.2.2	definition	Te	The definition is: " <i>notation</i> used to describe the <i>Derivation_Rule</i> ". Rules should be 'specified, not described. See also 3.3.49.	Change 'describe' to 'specify'.	Accepted. Done.
249	CA-203	11.5.2.5.2.2	definition	Ed	The font size of the text is inconsistent with the rest of the table	Correct the font size.	Accepted. Done
250	CA-	11.5.2.6	para 1	Ed	The description does not conform to the standard style	Rewrite in the standard style.	Accepted. <u>Done.</u>

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	204				which begins: XXX is a class each instance of which models and xxx.		
251	CA-205	11.5.2.6	para 3 and Figure 11-5	Ed	Can we find a better term than 'inputter'?	None provided.	No better term proposed.
252	CA-206	11.5.3	all	Ed	The description of the associations is not written in the standard style.	Rewrite in the standard style.	Accepted. <u>Done</u> .
253	CA-207	12	All	Te	Several name changes have been made in the metamodel (e.g. Designation.name to Designation.designation_sign). Should equivalent name changes be made to the basic attributes in clause 12, or is it more important to retain the names used in Edition 1?	None provided.	Keep as close to Edition 1 as possible.
254	CA-208	12.1	para 1	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value meaning' by 'concept instance meaning'.	Dependent on acceptance of #077. Not accepted.
255	CA-209	12.1	para 3 & Note	Ed	The references to clauses 5 through 10 should be 6 through 11.	Make the corrections.	Accepted. Done.
256	CA-210	12.2.1	item identifier	Ed	There is a space missing after the dash.	Make the correction.	Accepted. Done
257	CA-211	12.2.5	Note	Ed	There is only one note so it does not need to be numbered.	Remove the '1'.	Accepted. Done.
258	CA-214	12.8	attributes	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value meaning' by 'concept instance meaning'. (multiple occurrences)	Dependent on acceptance of #077. Not accepted.
259	CA-212	12.8	clause name	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value_Meaning' by 'Concept_Instance_Meaning'.	Dependent on acceptance of #077. Not accepted.
260	CA-213	12.8	para 1	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value_Meaning' by 'Concept_Instance_Meaning'.	Dependent on acceptance of #077. Not accepted.
261	CA-216	99-Annex A	R	Ed	The reference for Registration_Authority is incorrect.	Change 8.1.2.4.4 to 8.1.2.5	Accepted. Done.
262	CA-	99-Annex A	S	Ed	The reference for Submission_Record is incorrect	Change 8.1.2.7.5 to 8.1.2.8.	Accepted. Done.

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	217						
263	CA-218	99-Annex A	V	Ed	The reference for value_domain_subset association is incorrect	Change 11.3.3.5 to 11.3.3.6.	Accepted. Done.
264	CA-215	99-Annex A	various	Ed	Updates made to terms and definitions by other comments need to be reflected in Annex A.	Make the necessary updates.	Accepted.
265	CA-219	99-Annex B	Figure B-1	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value_Meaning' by 'Concept_Instance_Meaning'.	Dependent on acceptance of #077. Not accepted.
266	CA-221	99-Annex C C.2.10.1.1	definition	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value meaning' by 'concept instance meaning'. (2 occurrences)	Dependent on acceptance of #077. Not accepted.
267	CA-222	99-Annex C C.2.11	clause name	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value_Meaning' by 'Concept_Instance_Meaning'.	Dependent on acceptance of #077. Not accepted.
268	CA-223	99-Annex C C.2.11.1	clause name	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value meaning' by 'Concept instance meaning'.	Dependent on acceptance of #077. Not accepted.
269	CA-224	99-Annex C C.2.11.1.1	attribute name	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value_Meaning' by 'Concept_Instance_Meaning', and 'value meaning' by 'concept instance meaning'.	Dependent on acceptance of #077. Not accepted.
270	CA-225	99-Annex C C.2.11.1.1	definition	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value meaning' by 'concept instance meaning'.	Dependent on acceptance of #077. Not accepted.
271	CA-226	99-Annex C C.2.11.1.1	table caption	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value meaning' by 'Concept instance meaning'.	Dependent on acceptance of #077. Not accepted.
272	CA-227	99-Annex C C.2.11.1.2	clause name	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value meaning' by 'Concept instance meaning'.	Dependent on acceptance of #077. Not accepted.
273	CA-228	99-Annex C C.2.11.1.2	para 1	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value meaning' by 'Concept instance meaning'.	Dependent on acceptance of #077. Not accepted.
274	CA-229	99-Annex C C.2.11.2	clause name	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value meaning' by 'Concept instance meaning'.	Dependent on acceptance of #077. Not accepted.
275	CA-	99-Annex C	attribute	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value_Meaning' by	Dependent on acceptance of

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	230	C.2.11.2.1	name			'Concept_Instance_Meaning', and 'value meaning' by 'concept instance meaning'.	#077. Not accepted.
276	CA-231	99-Annex C C.2.11.2.1	definition	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value meaning' by 'concept instance meaning'. (2 occurrences)	Dependent on acceptance of #077. Not accepted.
277	CA-232	99-Annex C C.2.11.2.1	table caption	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value meaning' by 'Concept instance meaning'.	Dependent on acceptance of #077. Not accepted.
278	CA-233	99-Annex C C.2.11.2.2	clause name	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value_Meaning' by 'Concept_Instance_Meaning'.	Dependent on acceptance of #077. Not accepted.
279	CA-234	99-Annex C C.2.11.2.2	para 1	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value_Meaning' by 'Concept_Instance_Meaning'.	Dependent on acceptance of #077. Not accepted.
280	CA-235	99-Annex C C.2.11.3	clause name	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value meaning' by 'Concept instance meaning'.	Dependent on acceptance of #077. Not accepted.
281	CA-236	99-Annex C C.2.11.3.1	attribute name	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value_Meaning' by 'Concept_Instance_Meaning', and 'value meaning' by 'concept instance meaning'.	Dependent on acceptance of #077. Not accepted.
282	CA-237	99-Annex C C.2.11.3.1	definition	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value meaning' by 'concept instance meaning'. (2 occurrences)	Dependent on acceptance of #077. Not accepted.
283	CA-238	99-Annex C C.2.11.3.1	table caption	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value meaning' by 'Concept instance meaning'.	Dependent on acceptance of #077. Not accepted.
284	CA-239	99-Annex C C.2.11.4	clause name	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value meaning' by 'Concept instance meaning'.	Dependent on acceptance of #077. Not accepted.
285	CA-240	99-Annex C C.2.11.4.1	attribute name	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value_Meaning' by 'Concept_Instance_Meaning', and 'value meaning' by 'concept instance meaning'.	Dependent on acceptance of #077. Not accepted.
286	CA-241	99-Annex C C.2.11.4.1	definition	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value meaning' by 'concept instance meaning'. (2 occurrences)	Dependent on acceptance of #077. Not accepted.
287	CA-242	99-Annex C C.2.11.4.1	table caption	Te	Apply the resolution of the comment on 3.3.62.	Replace 'Value meaning' by 'Concept instance meaning'.	Dependent on acceptance of #077. Not accepted.

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						meaning'.	
288	CA-220	99-Annex C C.2.7.9.1	2011 metamodel	Te	According to this Annex the basic attribute 'Layout of Representation' has no equivalent in the metamodel, but Value_Domain.value_domain_format seems to be equivalent.	Map 'Layout of Representation' to Value_Domain.value_domain_format.	Accepted. Done.
289	JP-016	99-Annex D	All tables	Ed	The column name "Edition 2 metamodel object" should be changed to "Edition 2 metadata object" because in ed2 the term "metadata object" is defined and used but "metamodel object" is not defined.		Accepted. Done.
290	JP-017	99-Annex D	All tables	Ed	The column name "Edition 3 metamodel object" should be changed to "Edition 3 class" because in ed3 the term "class" is defined and used but "metamodel object" is not defined.		The correct term is 'metadata object' in Ed 3 as well. This is defined at 3.3.73 Done.
291	JP-018	99-Annex D	All tables	Ed	All the metadata objects in edition 2 are referred by the names with "_"s. But, in edition 2, the names of all the metadata objects are specified using spaces rather than "_"s. They should be referred to exactly as in each edition. For example, "Administered Item" in the column "Edition 2 metamodel object" at Table D-1 should be "Administered Item".		Accepted. Use the spelling used in the referenced clause. [Note: Edition 2 used '_' in the Figures, but not in the text.] Done.
292	JP-019	99-Annex D	All tables	Ed	All the attributes in edition 3 are referred by the names with spaces. But, in edition3, the names of all the attributes are specified using "_" rather than spaces. They should be referred as the exactly same as in edition 3. For example, "Registration_State.administrative note" at the row "8.1.2.6.2.4 " and the column "Edition 3 metamodel object" at Table D-1 should be "Registration_State.administrative_note". (i.e. add "_" between "administrative" and "note".)		Accepted. Use the spelling used in the referenced clause. Done.

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293	JP-020a	99-Annex D	Tables D-14 and D-15	Ed	<p>"Definitions(6.2.2.4)" should be "Definitions(7.3.2.4)".</p> <p>"Designations(6.2.2.3)" should be "Designations(7.3.2.3)".</p> <p>"Designatable_Item(6.2.2.2)" should be "Designatable_Items(?) (7.3.2.2)".</p> <p>"Context(6.2.2.5)" should be "Contexts(?) (7.3.2.5)".</p> <p>"definition_language (6.2.2.4.2.2)" should be "definition_language (7.3.2.4.2.2)".</p> <p>"designation_language (6.2.2.3.2.2)" should be "designation_language (7.3.2.3.2.2)".</p>		Accepted with modification. Designatable_Item is correct in the singular. Done.
294	CA-243	99-Annex D	various	Ed	Annex D maps classes and attributes between the second and third editions. Associations should also be mapped.	Add mapping of associations between Edition 2 and Edition 3. [Note, in Edition 2, associations were referred to as relationships, and were not adequately described.]	Accepted.
295	JP-022	99-Annex E	All Examples	Te	All over the examples, it needs to be noted that, for example, ms:Married itself is not a Concept, but a designation of a Concept.		Add note <u>at beginning of the Annex below each table of concepts.</u> <u>Done.</u>
296	JP-021	99-Annex E	Table E-1 and others	Te	Since Relation is a subclass of Concept, for example in UML, Association should also be listed in Concept. (This comment is applicable to Concepts of all the examples on Annex E.)		Add a note to the Concept heading in table E-1 that Relation and Relation Role are treated separately, even though they are sub-classes of Concept. <u>Done.</u>
297	JP-023	99-Annex E	Table E-7	Te	<p>These are not examples of Enumerated_Conceptual_Domain, but Enumerated_Value_Domain. What can be a Enumerated_Conceptual_Domain is what has the notions specified by ms:Single or ms:Married as its members.</p> <p>Need to explain what ms:Single and ms:Married are in MDR Part3 Ed3.</p>		Use quotes around values to distinguish them from labels used for meanings. Do for all examples. <u>Applies only to Table 98.</u> <u>Done.</u>

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298	CA-244	99-Annex F F.2	para 5, bullet 2	Te	Apply the resolution of the comment on 3.3.62.	Replace 'value meaning' by 'concept instance meaning'	Dependent on acceptance of #077. Not accepted.
299	CA-245	99-Bibliography	[6]	Ed	The reference to COR1 includes FCD.	Remove the 'FCD'.	Accepted. Done.
300	CA-246	99-Bibliography	new	Ed	OWL-DL is mentioned in 9.1.2.2.1, but there is no reference for it in the Bibliography	Add an entry for OWL-DL in the Bibliography.	Accepted. Added entry to OWL Guide. OWL DL is not a separate document. Done.
THE FOLLOWING COMMENTS WERE RECEIVED LATE, BUT HAVE BEEN CONSIDERED NEVERTHELESS.							
301	CN1.		all	Ge	The changes between E2 to E3 have been extensive, and really obscurity for standard user. We are suggesting the standard might have been more applicable for user, most of whom are not philosopher.		Some changes have been reversed by the BRM.
302	CN2.		all	Ge	This document has a lot of technical point to discuss, it is not ready to go to FDIS.		There was much discussion at the BRM. A decision was made to go to FDIS, and to address any remaining issues through TC or Amendments. See also CA001 (#001)
303	CN3.	1.4Summary of changes from Edition		ED	This clause should be in "Foreword".		Resolved by CS09 (#025)
304	CN4.	1. 5 Relationship to other parts of this International Standard		ED	This clause should be in "Foreword".		Resolved by CS10 (#026)
305	CN5.	4.1	Paragraph 5	ED	When a <i>registry instance</i> makes a conformance	Change to the constraints "those" replaced, or "the	Change 'those' to 'the

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					claim, it must <u>actually enforce</u> those constraints. "those" is not very exact.	constraints see CLAUSE"	associated' as in the previous sentence. The particular constraints will depend on the conformance claims being made. Done.
306	CN6.	5.3.2	Concepts package (clause 8)	ED	Concepts package (clause 8)	Change to clause 9	Accepted. Done.
307	CN7.		all	Te	The package is unclear	Define every "package" and the relationship between them.	Accepted. See also resolution of CA-004 (#014)
308	CN8.	5.3.3	F5	Te	The figure should follow a description to clear the relations of the packages.	Add a paragraph under Figure 5-1.	Accepted. Done.
309	CN9.	C.1.2.1	T C-1	Te	The table is empty.	Full the table.	This is a template. It is supposed to be empty. Add text to explain this. Done.
310	CN10		all	Te	If every version has changed too much compared to the last one, it's not good for popularizing the standard and for popularizing the MDR developed based on the standard. The succession of the version will affect the systematization and the authority of the standard.	If the technology or the assertion is not mature, we should not include it in the standard.	Accepted in principle, but action has been taken only where specific comments were agreed to at the BRM.
311	ED1.	8.1.2.7.2.1	all	Te	The constraint specified in 8.1.2.7.3 makes the organization attribute redundant.	Remove stewardship_organization, and the associated constraint.	Remove the constraint only. Done.
312	ED2.	8.1.2.8.2.1	all	Te	The constraint specified in 8.1.2.8.3 makes the organization attribute redundant.	Remove submission_organization, and the associated constraint.	Remove the constraint only. Done.
313	ED3.	8.1.2.8	all	Te	Submission_record is associated with Registered_Item, but for metadata items to be recorded in a registry as Identified_Items they need to be submitted so would it not make sense to record the Submitter for Identified_Items	None provided.	Change definition of submission to change 'inclusion' to 'registration'.

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							Done.
314	ED4.	8.1.2.8	all	Te	We should record the datetime of a submission	Add a submission_datetime to the Submission_Record.	Not accepted. Use effective_date of earliest registration status. <u>No change required.</u>
315	ED5.	Annex E Table 91		Te	Annex E.5 gives an example of a concept system specified using CLIF, but CLIF is not listed in Table 91.	Add CLIF to Table 91	Use mapping from example for Concept & Relation only. <u>Done.</u>
316	ED6.	9.1.3.6	all	Te	Bugzilla issue 519 states: Let us think about a sentence "isFatherOf(John, Tony)". In this case, terms are John and Tony and isFatherOf is not a term. But, in MDR Part3 Ed3, John, Tony and isFatherOf seem terms of assertion_term (9.1.3.6). So, the name "assertion_term" and its role name "term" are not adequate.	They should be just "assertion_concept" and "concept".	Accepted. Done.
317	ED7.	11.4.1	Figure 11-4 (Fig. 14 in FDIS)	Te	Bugzilla Issue 124 proposes a change to the Figure to introduce a Measurement Class	See Bugzilla issue 124 – attachment variant 3. Editor recommends changing multiplicity to allow a unit of measure to be included in more than one measure_class, e.g. one for metric units only and another for mixed units. Similarly, to allow a Dimensionality to be associated with more than one Measure_Class, e.g. one for metric and another for non-metric units.	Accepted <u>at Kona BRM.</u> Include examples. <u>Done.</u>
318	ED8.	6.2.10		Te	WG4 has been looking at 11179-3, Edition 3, to see how it can be represented for our work on Metadata Registry Access (MRA). We have been having a number of problems in understanding it, but		Recorded as Issue 526. use the multidata structure, but with a restriction that there be only one value

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					<p><u>one particular issue is how we may represent the basic datatype SIGN.</u></p> <p><u>According to 3.1.8, datatype is a "set of distinct values, characterized by properties of those values and by operations on those values".</u></p> <p><u>According to 6.2.10, a sign (3.2.118) may be a character string, graphic image, sound clip or other symbol that can be used to denote or designate a concept (3.2.18). TheSign datatype (3.1.8) may be represented by various expressions such as character string, sentence, code, icon, and so on.</u></p> <p><u>It seems to us that SIGN does not satisfy the definition of a datatype because, while it may be a collections of values, they may be of such different kinds of values that they cannot be characterized by any particular properties nor operations on those values.</u></p> <p><u>Can WG2 clarify this issue?</u></p>		
<u>319</u>	<u>ED9.</u>	<u>11.3.3.6 and 11.3.4</u>	<u>N/a</u>	<u>Te</u>	<u>We need to add a constraint that prevents a Value_Domain from referencing itself via the value_domain_subset association, either directly or indirectly.</u>		<u>Added new constraint as 11.3.4.3 and renumbered the existing clause with that number. Done.</u>

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<u>320</u>	<u>ED10</u>	<u>11.3.2.9</u>	<u>Figure 13</u>	<u>Te</u>	<u>The Datatype class in the Conceptual Domain and Value Domain region still contains Name and Description as explicit attributes, but Value_Meaning has been changed to remove Identifier and Description attributes, and instead rely on making the Value_Meaning an Identified_Item (for the Identifier) and a Designatable_Item for the Definition (to provide the Description).</u>	<u>To be consistent, we should remove the Name and Description attributes from Datatype, and instead make Datatype a Designatable_Item for both Designation and Definition.</u>	<u>Posted as Issue 528. The name and description are mandatory, but Designation and Definition are not. Add a note explaining this rationale for the explicit attributes. Done.</u>

END

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