ISO/IEC JTC 1/SC 32/WG2 N**1686**

ISO/IEC JTC 1/SC 32

Data Management and Interchange

Secretariat: United States of America (ANSI)

Administered by Farance Inc. on behalf of ANSI

DOCUMENT TYPE	Disposition of Comments
TITLE	Editor's Draft Disposition of Comments in SC32 N2226 on 32N2192 ISO/IEC CD 11179-5 Information Technology --Metadata Registries (MDR) - Part 5: Naming and identification principles, Ed 3 Ballot
SOURCE	Project Editor – Judith Newton
PROJECT NUMBER	1.32.15.03.05.00
STATUS	
REFERENCES	
ACTION ID.	ACT
REQUESTED ACTION	For review by WG2
DUE DATE	
Number of Pages	13
LANGUAGE USED	English
DISTRIBUTION	P & L Members
	SC Chair
	WG Conveners and Secretaries

Summary of Voting on Document SC 32 N 2192

Title: ISO/IEC CD 11179-5 Information Technology --Metadata Registries (MDR) - Part 5: Naming and identification principles, Ed 3

Project: 1.32.15.03.05.00

"P" Member	Approval	Approval with Comments	Disapproval with Comments	Abstention with Comments
Canada			1	
China		1		
Czech Republic	1			
Egypt	1			
Finland				1
Germany			1	
India				1
Japan	1			
Korea, Republic of	1			
Portugal				1
Russian Federation	1			
Sweden				1
United Kingdom			1	
United States		1		
Total "P"	**5**	**2**	**3**	**4**
"O" Member				
Austria				
Belgium				
France				1
Ghana				
Hungary				
Indonesia				
Italy				1
Kazakhstan				
Netherlands, The				
Norway				
Romania				
Poland				1
Switzerland				
Total "O"				

Dr. Timothy Schoechle, Secretary, ISO/IEC JTC 1/SC 32

Farance Inc *, 3066 Sixth Street, Boulder, CO, United States of America

Telephone: +1 303-443-5490; E-mail: Timothy@Schoechle.org

available from the JTC 1/SC 32 WebSite http://www.jtc1sc32.org/

*Farance Inc. administers the ISO/IEC JTC 1/SC 32 Secretariat on behalf of ANSI

COMMENTS:

Canada
NO. See comments below:

China
YES. See comments below:

Finland
ABSTAIN. Lack of expertise and interest.

Germany
NO. See comments below:

India
ABSTAIN. Lack of expertise and interest.

Korea
YES. See comments below:

Portugal
ABSTAIN. Lack of expertise and interest.

Sweden
ABSTAIN. Lack of expertise and interest.

United Kingdom
NO. See comments below:

United States
YES. See comments below:

	Date: 2012-08-06	Document:

1	2	(3)	4	5	(6)	(7)
MB[1]	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table /Note (e.g. Table 1)	Type of com-ment[2]	Comment (justification for change) by the MB	Proposed change by the MB	Proposed Disposition of Comments
CA00	0-Ballot	-	Ge	Canada has voted 'Disapprove with Comments' on this ballot, for the reasons stated below. Canada supports the project and will change its vote to Approval on satisfactory resolution of these comments.		
CA01	0-Introduction	2nd para	Ed	Para 2 refers to: ….inputs such guidelines, …	Change this to: ….inputs such as: guidelines, …	accepted
CA02	3.7	Reference	Ed	The NOTE is part of the definition being referenced, so the reference to [ISO/IEC 11179-3:2012] should appear after the note.	Move the reference to a separate line after the note.	accepted
CA03	3.8	Reference	Ed	The NOTE is part of the definition being referenced, so the reference to [ISO/IEC 11179-3:2012] should appear after the note.	Move the reference to a separate line after the note.	accepted
CA04	3.9	Definition	Ed	'an designatable item' should be 'a designatable item'	Make the correction.	accepted
CA05	3.10	Note	Ed	'Note' should be capitalized, and the NOTE style used for formatting.	Make the corrections.	accepted
CA06	3.11	Definition	Ed	'an designatable item' should be 'a designatable item'	Make the correction.	accepted
CA07	3.18	Definition	Ed	ISO Directive require that a definition be written such that is can be substituted for the term in a sentence and still be grammatically correct.	The text after the semi-colon should be moved to a NOTE.	accepted
CA08	3.19	Definition	Ed	ISO Directive require that a definition be written such that is can be substituted for the term in a sentence and still be grammatically correct.	The definition needs to be rewritten as a single phrase. Any additional qualification should be moved to one or more notes.	accepted
CA09	7.1.1	1st para., 2nd line	Te	The sentence refers to: '…items in a *Namespace* class…', but the items are not within the Namespace class, they are within its scope.	Reword as: '…items within the scope of a *Namespace* …'	accepted
CA10	9.2	3rd para 2nd sentence	Te	The sentence states: "Naming convention conformance is assured by associating the designation with the rules residing in the Naming Convention and Namespace classes."	Entries in a registry are unlikely to actually 'assure' anything. Find a less ambitious word.	Accepted. Editor proposes "achieved"

1 **MB** = Member body (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the ISO/CS editing unit are identified by ******)

2 **Type of comment:** **ge** = general **te** = technical **ed** = editorial

NOTE Columns 1, 2, 4, 5 are compulsory.

ISO electronic balloting commenting template/version 2001-10

1	2	(3)	4	5	(6)	(7)
MB[1]	**Clause No./ Subclause No./ Annex** (e.g. 3.1)	**Paragraph/ Figure/Table /Note** (e.g. Table 1)	**Type of com- ment[2]**	**Comment (justification for change) by the MB**	**Proposed change by the MB**	**Proposed Disposition of Comments**
CA11	Annex A	Last line on p.8	Ed	The words 'terms' on the last line should be part of the preceding line.	Remove the unnecessary line break.	accepted
CA12	All		Te	Any other errors found before or during the Ballot Resolution meeting should be corrected if consensus can be reached on a resolution.	To be addressed at the BRM as required.	accepted

END

1 **MB** = Member body (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the ISO/CS editing unit are identified by ******)

2 **Type of comment:** **ge** = general **te** = technical **ed** = editorial

NOTE Columns 1, 2, 4, 5 are compulsory.

ISO electronic balloting commenting template/version 2001-10

1	2	(3)	4	5	(6)	(7)
MB[1]	**Clause No./ Subclause No./ Annex** (e.g. 3.1)	**Paragraph/ Figure/Table /Note** (e.g. Table 1)	**Type of com-ment**[2]	**Comment (justification for change) by the MB**	**Proposed change by the MB**	**Proposed Disposition of Comments**
CN01	Whole	Whole	Te	There is no content on identification principles.	There should be a independent section that specify them.	Most content on identification was moved to part 6. Resolution (consensus of meeting): Modify Clause 4 to address only names; recommend changing the name of the document to "Naming Principles"
CN02	A.3	Lexical rules	Te	In the" Lexical rules:"all the rules have nothing to do with Chinese. There are no singular or complex form, spaces between word , "mixed case" , abbreviations, acronyms, and initialisms in Chinese.	Add 'note ' to every rule. a.In Chinese, this rule shall not be applied because of no plural form of nouns and no distinction of verb tense. b.In Chinese, this rule shall not be applied as multi-word terms are naturally expressed without spaces, any characters shall not be allowed. c. In Chinese, this rule shall not be applied as no mixed case. d. In Chinese, this rule shall not be applied as no abbreviations, acronyms, and initialisms.	Accepted in principle. Propose adding one note in Lexical Rules in Annex A drawing attention to Annex B; the four suggested notes will be added to Lexical Rules in Annex B.
CN03	Annex B	Lexical rules	Te	The same with the comment upstairs.	The same with the comment upstairs.	See previous comment proposal.
CN04	Whole	Whole	Ed	Chinese is more popular used than Japanese and Korean, so the Example could be moved up in the list.	EX. In ISO/IEC 2382.4, **04.03.04** **ideogram** **ideographic character** In a *natural language*, a *graphic character* that represents an object or a concept and associated sound elements. Examples: A Chinese ideogram or a Japanese Kanji.	The editor proposes to reorder the examples in Annex B to appear in alphabetical order, following "English" i.e., English, Chinese, Japanese, Korean

1   **MB** = Member body (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the ISO/CS editing unit are identified by ******)

2   **Type of comment:**   **ge** = general   **te** = technical   **ed** = editorial

NOTE   Columns 1, 2, 4, 5 are compulsory.

ISO electronic balloting commenting template/version 2001-10

1	2	(3)	4	5	(6)	(7)
MB[1]	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table /Note (e.g. Table 1)	Type of com-ment[2]	Comment (justification for change) by the MB	Proposed change by the MB	Proposed Disposition of Comments
DE	Introduction	Definition of name	te	Please clarify, whether name is a synonym of the class designation or the attribute designation_sign.	Name should be a synonym of designation_sign.	Part 5 should be generally applicable to 11179-3, but not so precisely (if avoidable), that if Part 3 item names change, Part 5 must be updated.
DE	1	para 1	ge	The scope is too narrow: "data element concept, conceptual domain, data element, and value domain. "	Replace with: "This part of ISO/IEC 11179 provides instruction for naming and identification of items of the Data_Description package if those items are used as designatable_items." This broader definition should then be used throughout the document.	The scope will broadened but, as reflected in the response above, "to all designatable items."
DE	1	para 1	te	„designated item" is not correct.	Replace "designated item" with "designatable item". All metamodel constructs from 11179-3 should be denoted correctly throughout the document.	Accepted.
DE	1	para 5	ge	The different parts of 11179 should establish a consistent package. There should not be parts that are used outside the scope of the other parts.	11179-5 should focus on 11179. Delete this paragraph.	This comment contradicts US and GB comments in favor of strengthening the idea expressed in this paragraph.
DE	4	para 2	te	Imprecise use of identifier. Identifier is an attribute of the class scoped_identifier.	Replace "At least one identifier is assigned for each identified item in the registry." with "Each identified item is at least identified through one or more identification associations in the registry."	The editor feels that the suggested wording is confusing. See response to 1st DE comment.
DE	7.1.1	para 1	te	Identified item has no attribute. The identifier is added by the relation to scoped identifier.	Delete "In addition to the identifier assigned to identified items (clause 4)"	The editor feels that the differentiation between the two identifier items is sufficient. See response to 1st DE comment.
DE	9.1	para 1	ge	The understanding of the Concepts package might be misleading. All instances of object class, property, value	Completely rethink the relationship between	In 11179-3, the Concept class can be composed of

1 **MB** = Member body (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the ISO/CS editing unit are identified by ******)

2 **Type of comment:** **ge** = general **te** = technical **ed** = editorial

NOTE Columns 1, 2, 4, 5 are compulsory.

ISO electronic balloting commenting template/version 2001-10

1	2	(3)	4	5	(6)	(7)
MB[1]	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table /Note (e.g. Table 1)	Type of com-ment[2]	Comment (justification for change) by the MB	Proposed change by the MB	Proposed Disposition of Comments
				meaning, and conceptual domain are instances of concepts. Therefore all instances of object class, property, value meaning, and conceptual domain are member of a concept system. Their names could not be derived from items in a concept system, because there is no respective association between concepts.	concepts and naming.	one or more concepts forming a Concept System. In such a case, the name of the subtypes Object Class, Property, etc., which are instances of the Concept class, could be derived from one or more concepts in the Concept system. Otherwise the name of the subtype is simply the name of the concept. Refer to addendum for further response.
De	Annex A		te	The word „term" is used several times. It remains unclear how "term" is defined and related to 11179-3.	Define "term" as used in Appendix A.	Accepted.
DE	Annex A		te	Representation class is no longer used in 11179-3.	Align the terminology of 11179-5 to the terminology of 11179-3.	Representation Class is discussed in Part 3 Ed 3, Annex F.
DE	Annex A, Object class term	para 1 and para 2	te	Mix between 11179-3 and other metamodels.	Describe the metamodel of 11179 exactly.	The editor proposes adding text to explain the relationship between Registry items and naming terms.
DE	Annex A, Object class term	para 4	te	„Cost Budget Period Total Amount": „Cost budget period" is the object class term.	Replace "cost" with "cost budget period".	Cost Budget Period only becomes the object class term if qualifier is removed. Refer to addendum for further response.
DE	Annex A, qualifier term		te	object_class_qualifier was removed from 11179-3	11179-3 is not powerful enough to support postcoordination of concepts in the concepts package. It is advisable, to leave postcoordination	Refer to addendum for further response.

1   **MB** = Member body (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the ISO/CS editing unit are identified by ******)

2   **Type of comment:**   **ge** = general   **te** = technical   **ed** = editorial

NOTE   Columns 1, 2, 4, 5 are compulsory.

ISO electronic balloting commenting template/version 2001-10

1	2	(3)	4	5	(6)	(7)
MB[1]	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table /Note (e.g. Table 1)	Type of com- ment[2]	Comment (justification for change) by the MB	Proposed change by the MB	Proposed Disposition of Comments
					outside of the standard for the naming principles as well.	
DE	Annex A, qualifier term		te	A thesaurus of terms is available with the option to assign a designatable_sign to concepts in the concepts package.	Delete the note.	The justification for removal of this note is unclear. It just indicates the usefulness of a thesaurus, not the mechanism for implementation.
DE	Annex A table		te	The metadata attribute names should be consistent with ISO 11179-3. For example DE definition context is: designation_sign of a context used as designatable item related via the association class designation_context to a designation of a designatable_item being a data element.	Prepare a new table providing the exact definition of 11179-3 with a better readability as apparent in the reviewer's comment.	See response to the 1st DE comment. This and the comments above that address the precise mapping of items in Part 5 to Part 3 are inappropriate for the focus of this Part.

```
Addendum to Editor's Response to German Comments:


DE 9.1: this is a bit ambiguous as there is some missing premise or predicate that connects the assertion about the
OC/Prop/DEC/CD/VM being concepts and 'there is no respective association between concepts.

Firstly one could take the association between the OC/Prop and set of value meanings as an (unwieldy) but structured semantic
name.  More to the point, one could define a formalism in the concepts region to provide you with the relationships you could
use to derive the name.  The immediate example that pops into mind is that one could adopt the 'Manchester Syntax' for the
association of class and object property that would provide a naming convention for the DEC for instance.

Person and hasAge

seems a perfectly respectable DEC - or one could be more specific ...
```

1   **MB** = Member body (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the ISO/CS editing unit are identified by ******)
2   **Type of comment:**   **ge** = general   **te** = technical   **ed** = editorial
NOTE   Columns 1, 2, 4, 5 are compulsory.

ISO electronic balloting commenting template/version 2001-10

```
Person and hasAge some int

... which is why I disagreed with their comment.  As ever it may be that what they said and what they actually meant is
different - but given these examples they may need to clarify their comments ...

http://www.co-ode.org/resources/reference/manchester_syntax/



====

DE Annex A, qualifier term

Depends what you mean by 'post coordination'.  What the concepts package is perfectly capable of doing is taking a class of
'Person', some object property of 'hasAge' and the datatype 'int' and asserting 'Person and hasAge some int' as a virtual
class that only exists in the MDR and not in the 'phenotype properties ontology' that defines 'Person' and 'hasAge'.  I call
that 'post coordination' as the virtual class 'Person and hasAge some int' has been created locally in the MDR after importing
the 'phenotype properties ontology'.  Indeed, such assertions can be kept entirely separate as new concept systems.

But my 'post' could be DE's 'pre'.  This may also need to be clarified.

Editor's Note: My thanks to Steve Harris of the UK delegation (University of Oxford)for providing the text for these
responses.
====
```

1   **MB** = Member body (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the ISO/CS editing unit are identified by ******)

2   **Type of comment:**   **ge** = general   **te** = technical   **ed** = editorial

NOTE   Columns 1, 2, 4, 5 are compulsory.

ISO electronic balloting commenting template/version 2001-10

1	2	(3)	4	5	(6)	(7)
MB[1]	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table /Note (e.g. Table 1)	Type of com-ment[2]	Comment (justification for change) by the MB	Proposed change by the MB	Proposed Disposition of Comments
KR	Annex B	Semantic rule c	ed	-Korea: 총합계	-Korean: 총합계	accepted
KR	Annex B	Semantic rule e	ed	-Korea: 예산기간	-Korean: 예산기간	accepted

1   **MB** = Member body (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the ISO/CS editing unit are identified by ******)

2   **Type of comment:**   **ge** = general   **te** = technical   **ed** = editorial

NOTE   Columns 1, 2, 4, 5 are compulsory.

ISO electronic balloting commenting template/version 2001-10

1	2	(3)	4	5	(6)	(7)
MB[1]	**Clause No./ Subclause No./ Annex** (e.g. 3.1)	**Paragraph/ Figure/Table /Note** (e.g. Table 1)	**Type of com-ment[2]**	**Comment (justification for change) by the MB**	**Proposed change by the MB**	**Proposed Disposition of Comments**
GB 01	General		ge	From the content it would appear that this would be more suited to be a TR instead of an IS. The normative clauses of this draft only talk in rather vague terms about how a naming convention is developed and the informative annexes only provide examples of naming conventions, so there appears to be little in the way of a 'standard'.	Move from IS to TR.	Rather than demote the document, the language should be strengthened to better justify development as an IS. The GB delegate agreed to contribute to this effort. The editor acknowledges a further contribution of suggestions from the GB delegate. See the addendum below for a summary.
GB 02	Introduction	Para 2	ed	Word missing between "such" and "guidelines"	Amend to read "… such as guidelines …".	Accepted
GB 03	1 (Scope)		ge	The scope of this draft of the third edition is little changed from the scope of edition 2 yet edition 3 of 11179-3 is extending the scope of a metadata registry well beyond the scope of edition 2. Also, WG2 is attempting to harmonize 11179 and 19763, to the extent of using a part of one of these standards to cover aspects that are common to both, so as to avoid duplication.	Extend the scope of this part so that it covers naming and identification principles applicable to either: ➢ the full range of the harmonized standards of WG2 (preferred). ➢ all concepts within scope of edition 3 of 11179-3.	Accepted - Language will be added to extend applicability to any registry content.
GB 04	1 (Scope)	Para 1, Line 1	ed	Typo: "instruction" should be "instructions".	Amend to read "… provides instructions for naming and identification …".	Resolved

Summary of Suggestions re: GB 01 above. These should be considered Accepted by the editor and will be incorporated into the document.

"Shall" is not used enough. Inspect uses of "should", "may," and "as applicable" for conversion to "shall."

1   **MB** = Member body (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the ISO/CS editing unit are identified by ******)
2   **Type of comment:**   **ge** = general   **te** = technical   **ed** = editorial
NOTE   Columns 1, 2, 4, 5 are compulsory.

ISO electronic balloting commenting template/version 2001-10

1	2	(3)	4	5	(6)	(7)
MB[1]	**Clause No./ Subclause No./ Annex** (e.g. 3.1)	**Paragraph/ Figure/Table /Note** (e.g. Table 1)	**Type of com-ment**[2]	**Comment (justification for change) by the MB**	**Proposed change by the MB**	**Proposed Disposition of Comments**

Add a Conformance clause to include:

(1) Each metadata item that is registered shall be named in accordance with a naming convention (without stating any assumptions about the quality of that naming convention).
(2) Each naming convention shall have its scope documented.
(3) Each naming convention shall have its authority documented.
(4) Each naming convention should have its semantic rules documented.
(5) Each naming convention should have its syntactic rules documented.
(6) Each naming convention should have its lexical rules documented.

Then any registry where all [registry] metadata is named in accordance with a naming convention and where each naming convention has its scope and authority documented is a conforming registry and, if in addition, the naming convention has its semantic, syntactic and lexical rules documented, it is a strictly conforming registry.

---

1   **MB** = Member body (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the ISO/CS editing unit are identified by ******)

2   **Type of comment:**   **ge** = general   **te** = technical   **ed** = editorial

NOTE   Columns 1, 2, 4, 5 are compulsory.

ISO electronic balloting commenting template/version 2001-10

US	1	Paragraph 1	ED	Add "concept" to list of items in first sentence.	This part of ISO/IEC 11179 provides instruction for naming and identification of the following items: concept, data element concept, conceptual domain, data element, and value domain.	accepted
US	1	Paragraph 5	ED	Bring this statement forward to give it more prominence.	Move to after first paragraph of Scope.	accepted
US	2 and 3		ED	Remove red text generated by template.	Remove red text.	accepted
	Intro	Para 3, line1	ED	"metadata items"	Don't limit Naming Conventions to metadata, just say "items" You can give an example where it's metadata.	accepted
	1	Para 4, line 5	TE	Use this paragraph, especially this line, to expand and emphasize the use of this part of the standard for other areas, e.g. "for use in describing naming conventions."	Rather than ending as described, expand e.g. ". . .naming conventions for almost any need or purpose. The same principles can apply."	accepted