ISO/IEC JTC 1/SC 32 N **1428**

ISO/IEC JTC 1/SC 32

Data Management and Interchange

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DOCUMENT TYPE	Summary of voting/Table of Replies
TITLE	Summary of Voting/Table of Replies 32N1363 ISO/IEC FCD 19763-3 Information technology - Famework for Metamodel interoperability Part 3: Metamodel for ontology registration
SOURCE	SC 32 Secretary
PROJECT NUMBER	1.32.22.01.03.00
STATUS	WG 2 is requested to resolve the comments
REFERENCES	
ACTION ID.	ACT
REQUESTED ACTION	
DUE DATE	
Number of Pages	8
LANGUAGE USED	English
DISTRIBUTION	P & L Members
	SC Chair
	WG Conveners and Secretaries

ISO/IEC JTC 1/SC 32 N1428

Summary of Voting on Document SC 32 N 1363,

Title: ISO/IEC FCD 19763-3 Information technology – Framework for Metamodel interoperability Part 3: Metamodel for ontology registration

Project: 1.32.22.01.03.00

"P" Member	Approval	Approval with Comments	Disapproval with Comments	Abstention with Comments
Australia	X			
Belgium				
Brazil				
Canada				
China	X			
Czech Republic	X			
Egypt				
Finland				
Germany				X
Italy	X			
Japan	X			
Korea, Republic of	X			
Portugal				
Sweden				X
United Kingdom				
United States			X	
Total "P"	6		1	2
"O" Member				
Austria				
Denmark				
France				
Netherlands, The				
Norway				
Russian Federation				
Switzerland				
Total "O"				

COMMENTS:

Germany

Lack of expertise and interest

Sweden

Lack of experts

United States

attached

ISO

attached

0	1	2	(3)	4	5	(6)	(7)
#	NB 1	Clause No./ Subclause No./ Annex	Paragraph/ Figure/Table/ Note #	Comment type[2]	Comment (justification for change) by the NB	Proposed change by the NB	Secretariat observations on each comment submitted
1		Title page		ed	An acronym could be included for this family of Standards, just as "MDR" is an acronym for ISO/IEC 11179.	Add "FMI" to title name as an acronym for this family of standards. See comment 2. Change title to: Information Technology--Framework for Metamodel Interoperability (FMI)--Part 1: Reference Model	
2		Throughout document.		ed	Reference to the name of the standard and family of standards is inconsistent. The title page calls it "Framework for Metamodel Interoperability". In several places it is called similar, but different names such as "metamodel framework for interoperability" or "metamodel framework". The term metamodel framework is also used where it does not refer to the family of standards.	For clarity use the same name consistently, throughout document. All references to the name of the family of standards should be changed to "Framework for Metamodel Interoperability" or to "FMI". A statement needs to be included to show that the term "metamodel framework" is sometimes used synonymously for FMI. There are many instances of the acronym "MMF" in the text and graphics that should be changed to "FMI" or to "metamodel framework".	
3		3.3 Abbreviated terms		ed	List contains both abbreviations and acronyms.	Change title of section to: "3.3 Acronyms and Abbreviations".	
4		3.3 Abbreviated terms		ed	Clause 3.3. Contains the acronym "MMF" and NOT "FMI". Two acronyms for the same standard is confusing.	Make consistent with resolution of comment #2. Delete the acronym "MMF" and include the acronym "FMI". Use the term "metamodel framework" where appropriate (rather than the acronym "MMF").	
5		3.3 Abbreviated terms		ed	No reference is provided for ODM.	Add ODM draft to Bibliography.	
6		3.2.x		ed	Some abbreviations that are used in the document are not listed here.	Add: MDR, DL.	

1 NB = National body (enter the ISO 3166 two-letter country code, e.g. CN for China; comments from the Secretariat editing unit are identified by **)   page 1 of 5

2 Type of comment: ge = general te = technical ed = editorial   NOTE Columns 1, 2, 4, 5 are compulsory.   *ISO electronic balloting commenting template (enhanced 2002-08)*

0	1	2	(3)	4	5	(6)	(7)
#	NB [1]	Clause No./ Subclause No./ Annex	Paragraph/ Figure/Table/ Note #	Comment type [2]	Comment (justification for change) by the NB	Proposed change by the NB	Secretariat observations on each comment submitted
7		Throughout		ed	There are several proof reading errors that need to be fixed.	Suggested fixes for proof reading errors have been made in the document with "tracking changes" turned on. See the attached document. Note that none of the changes that would arise from the other ballot comments are made in the edited document. Edited document file name is: 32N1363T-FCD19763-3-with edits-v2.doc	
8		Clause 3		ed	The terms appear in the table of contents. This is from misuse of the template. Editor used the wrong styles for headings, terms and text.	Change to termnum, term, and termdef styles.	
9		Throughout		ed	This document does not appear to use the ISO template.	Put into ISO template.	
10		Clause 3.2.1		ed	Not clear what is meant by the "collective" qualification.	Strike it or find a better wording.	
11		Clause 3.2.1, 3.2.2, 3.2.3		te	Definitions are vague and unclear.	Define "universe of discourse", "formalized" and "localized". Also, clarify the implications with respect to sharing and sharability, and contrast "ontology" to "model" as defined in Part 1.	
12		Clause 3.2.4		te	Definition is imprecise, and differs substantially from that provided in 24707.	Change definition of "Sentence" to "A logical statement which has a truth value", and define "Axiom" as "A sentence which is asserted to be true in some context, such as an ontology".	
13		Clause 3.2.5		te	Definition does not agree with use of the term "symbol" in ISO 704 and ISO 1087-1. Also, "most primitive construct" is not clear.	Define symbol, paying attention to its use by TC37 and by the logic community. Also clarify what "non-logical" means.	
14		Figures 2, 3 and 10		ed	Font difference for abstract classes vs. concrete classes is difficult to see.	Use a more distinctive font for abstract classes, preferably italics.	
15		Clause 4.3.1		te	The description of the URI attribute suggests that a URL is required.	Either rename the attribute to "URL" or change the description.	
16		Clause 4.3.1		ed	The wording "where...exists" is imprecise.	Change the description to "URL which specifies the location of the ontology".	

0	1	2	(3)	4	5	(6)	(7)
#	NB 1	Clause No./ Subclause No./ Annex	Paragraph/ Figure/Table/ Note #	Com ment type 2	Comment (justification for change) by the NB	Proposed change by the NB	Secretariat observations on each comment submitted
		Clause 4.3.1		te	We're concerned about the subclass relationship between Ontology and ModelDomainProfile. This implies that every Ontology is a ModelDomainProfile. It is not clear whether this is a consequence of the specific purposes of FMI or is expected to be true of all ontologies.	Either clarify the definition of Ontology in the context of FMI to make clear that it is a restriction of the general notion of an ontology, or provide some justification for the asserted subclass relationship.	
		Clause 4.3.3		te	Do not understand the reason for the first constraint specified.	Explain (in the clause text) why a Local_Ontology cannot consist entirely of Reference_Ontology_Components.	
		Clause A.1		te	The textual explanation of the meaning of RC1 does not match the OWL shown in the figure.	Change either the explanation or the figure.	
		Clause A.1		te	The names "measure" and "Dimension" are confusing.	Change "measure" to "dimensionality" and change "Dimension" to "Dimensionality".	
		Clause A.2		te	The textual explanation of the meaning of RC4 is not as precise as the OWL shown in the figure.	Change the explanation to "A prefixed unit is a unit, has exactly one prefix, and has exactly one kernel."	

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2 Type of comment: ge = general te = technical ed = editorial   NOTE Columns 1, 2, 4, 5 are compulsory.   *ISO electronic balloting commenting template (enhanced 2002-08)*

Template for comments and secretariat observations

| Date: 2006-03-01 | Document: **ISO/IEC FCD 19763-3** |

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	Secretariat observations on each comment submitted
**	General		ed	Document does not follow basic ISO presentation.	The document should be prepared using the ISO template, available from the ITTF website. As a minimum, change margins, headers, footers, line spacing and font size to align with the ISO template.	
**	2		ed	Only documents which are publicly available and which are cited elsewhere in the document in a way which indicates that they are indispensable for the application of ISO/IEC 19763-3 may be listed in Clause 2. Incorrect title given for ISO/IEC 11179-3.	Remove ISO/IEC 19501 and ISO/IEC 19502, which are not cited elsewhere in the document. Change last element of Part 3 title to "Registry metamodel and basic attributes"	
**	3, 3.1		ed	Incorrect clause/subclause title.	Replace "Definitions and abbreviated terms" with "Terms, definitions and abbreviated terms"; replace "3.1 Definitions" with "3.1 Terms and definitions"	
**	3.1		ed	Incorrectly drafted introductory paragraph.	Replace with "For the purposes of this document, the terms and definitions given in ISO/IEC 11179-3, ISO/IEC 19763-1, ISO/IEC 19763-2 and the following apply." IMPORTANT ISO/IEC 19763-2 must be a publicly available document by the time ISO/IEC 19763-3 is submitted for FDIS since the user is required to consult it in order to apply ISO/IEC 19763-3. Otherwise, it cannot be cited in 3.1 or given as a normative reference.	
**	3.2		ed	Superfluous subclause title. Terms and definitions are incorrectly presented.	Remove "3.2 Broad terms" and draft terms and definitions as follows: **3.1.1** [*TermNum* style] **ontology** [*Term* style] collective description ... Use of these styles in the ISO template will ensure correct presentation in Clause 3 and non-	

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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	Secretariat observations on each comment submitted
				appearance of terms in table of contents.		
**	3.3		ed	Abbreviations are not numbered in International Standards.	Remove 3.3.1, 3.3.2, etc.	
**	5		ed	Clause 2 is the conformance clause in International Standards.	Insert this clause after the Scope and renumber subsequent clauses.	
**	figures		ed	Figure 1 contains text that is partially hidden; Figure 3 contains text that is too small to be legible.	Improve/resize as necessary.	

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ISO electronic balloting commenting template/version 2001-10