

Template for comments and secretariat observations

Date: 2008-01-14	Document: 36N1602
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1	2	(3)	4	5	(6)	(7)
MB¹	Clause No./ Subclause No./ Annex (e.g. 3.1)	Paragraph/ Figure/Table/ Note (e.g. Table 1)	Type of comment²	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
US	General	General	te/ge	This work seems to be based in part on a few FIPA documents. Please identify which FIPA documents were used and where in this document the FIPA documents were used.	Update document with appropriate Normative/Informative references and add notes where appropriate.	
US	Introduction	ii	ge	The introduction does not lead the reader to the need for a communication data model. There are benefits listed for an agent communication standard, but they do not deal specifically with a communication data model. For example, benefit one indicates the need for a shared protocol, but the document does not specify one. Benefit two states "Help users of collaborative learning systems to be able to select among several, compatible alternatives of agent facilities and interaction schemes.". The text does not support this nor does the datamodel proposed support this. Benefit three states "Allow users to select the agents presenting in the environment based only on their capacity of enhancing the learning goal, without being obstructed by communication difficulties and compatibility problems with other co-existent agents." It is unclear if the datamodel proposed will fulfill this benefit.	Re-write the introduction to better match the text.	
US	2. Normative reference		te	It is not clear how the following normative references are used in the document. Proper use of the normative references must be made in the document: ISO/IEC 11404 Information technology - Programming languages, their environments and system software interfaces - Language-independent	Please specify where normative references are used in the document and how they are used. It is suspected there might be elements from ISO/IEC 19778-1 ITLET -- Collaborative technology -- Collaborative workplace -- Part 1: Collaborative Workplace Data Model, ISO/IEC 19778-2 ITLET -- Collaborative technology -- Collaborative workplace -- Part 2:	

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

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				<p>data type.</p> <p>ISO/IEC 10646 -1:2000 Information technology - Universal Multiple-Object Coded Character Set(UCS) – Part1: Architecture and Basic Multilingual Plane.</p> <p>ISO/IEC TR 10032:2003 - Reference Model of Data Management</p> <p>ISO 8601:2000 Data elements and interchange formats – Information interchange - Representation of dates and times.</p> <p>ISO/IEC JTC1 19780 ITLET – Collaborative Technology – Collaborative Learning Communication – Part 1: Text-based Communication.</p> <p>For example, in Section 6.3 RMDM for AtoA, it states “ISO/IEC TR 10032:2003 defines the ISO reference model of data management. It establishes a framework to coordinate the development of existing and future standards for the management of persistent data in information systems.” It is not clear how 10032 is used in the creation of the RMDM for A2A.</p> <p>For example, in section 7.4.2, there is a table describing “invoke” and “stop” time. Is the intent to have the element format of time in accordance with ISO 8601:2000 Data elements and interchange formats – Information interchange - Representation of dates and times? If so clearly state.</p>	<p>Collaborative Environment Data Model, and ISO/IEC 19778-3 ITLET -- Collaborative technology -- Collaborative workplace -- Part 3: Collaborative Group Data Model. If so, these standards should be listed as normative references as well. Additionally, some of the elements from the models of the three part collaborative workplace standards listed above should be used in this standard. See comments below.</p>	

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				For example, are elements from 19780 used? If so state where.		
US	3.1 Agent	Page 2	te	It is noted several definitions in 3.0 are duplicate or used as a basis for vocabulary definitions. Where did the definition in 3.1 come from? Should the FIPA definition of agent be used?	Possibly change definition and collaborate with WG1	
US	3.2 Multiple Agents	Page 2	te	Definition is for an LET perspective. If this is the intent, maybe use a qualifier. It is not clear what “during one of the learning activity individually.” means	Consider revising definition and using a qualifier such as Multiple Agents (LET). Refer to possibly FIPA definitions. Collaborate with WG1 on this definition.	
US	3.3 Multi-agent	Page 2	te	Definition is not clear “multiple agents which are active in a system for same goal in the same learning activity. This concept is different from multiple agents that are active for individual goal.” Not well defined as just an obscure difference is given.	Re-define. Refer to possibly FIPA definitions. Collaborate with WG1	
US	3.4 Mobile Agent	Page 2	te	Roles as designed for? Definition needs to be more specific. What about movement from Server to Client	Re define. Refer to possibly FIPA definitions. Collaborate with WG1	
US	3.5 AMS (Agent	Page 2	te	Define acronyms such as AP. Maybe add a separate definition for Agent Platform .	Define acronyms. Possibly add definition	

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	Management System/ Service)				for Agent Platform	
US	4.0 Conformance	Pg 3	te	Although this section specifies conformance to requirements in sections 5,6 and 7, it is unclear what those requirements are	Specify in sections 5,6 and 7 specific requirements to conform to and the level of conformance, including specific wording such as shall, should, will, etc. and any reference to conformance testing	
US	5. Example of Major Agents	Pg3	te	The list is incomplete. For example, teaching agents should be included. Other agents used in the processes, such as security, collaboration, specific environment, etc, should be included	Either place these types in the vocabulary section and utilize in sections 6 and 7, or delete this section and place into a technical report, or do a survey of what agents to include and specify how they are used in the data model. Since this is a “communication data model” standard, possibly define the elements used in the communication datamodel for these agents and specify what elements are used per agent. Maybe all are used, some or none for the various types of agents. It is unclear at this time based on the text of the standard.	
US	6.1 Conceptual Model for Agent Action	Pg4	te	The figure shown is titled “Reference Model of A2A. There is no wording explaining the model. It is not tied to the title of the section title “Conceptual Model for Agent Action”. What might be intended is a reference model for logical capability sets used for the design of an Agent Management System where agents exist and operate. Could be used to establish a logical reference model for the creation,	Reconsider model used and add supporting text.	

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				registration, location, communication, migration, of agents. It is not clear how this relates to an LET communication datamodel for agents.		
US	6.2 Conceptual model for A2A communication	Pg 5	te	There is no supporting wording explaining the figure and its relation to a datamodel. The figure shown seems to show possible state transitions an agent might have, (listed under agent in the figure) although the list seems incomplete...missing possible states such as "create, destroy, resume, move, execute...etc"	Provide supporting text and detail how this fits into a datamodel.	
US	6.3 RMDM for A2A	Pg 5	te	There is not a RMDM for A2A in this section, only a defined need for one	Provide an appropriate RMDM if this is the intent	
US	6.4 Metadata	Pg6	te	The intent of this section is not clear. Is the intent to define metadata constructs for this standard or to identify the types of metadata to be used in the data model itself?	Clarity intent of this section and tie to specific subsections of section 7 as this is what appears to be the intent.	
US	7.0	Pgs 7-10	te	Are all of the elements necessary for the DM included? What about rights mgmt? What are the permissible values? Please identify clearly linkages to other ISO standards, Consortia standards and emerging SC36 standards. For example, in Table 7.1.2 there is an element "Participant ID". Does this relate to the ISO 24703 "Participant Identifier" standard? Is Group ID from another Collaborative Workplace standard? What are the relationships to the types of agents listed in section 5?. Are the elements mandatory for all, or just a few.. Are the elements optional?	Add appropriate text and add elements, values. Add linkage info to other standards where appropriate.	

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				Please clarify		
US	Overall	Overall	ge/te	It is not clear if this standard is for the management of agents in general, communication aspects or messaging. Clarity is key. Maybe start with an abstract architecture to build from		
US	Overall	Overall	ge/te	There seems to be a lot of overlap with the FIPA work. Maybe bring that work into SC36 and use there documents as a basis for LET type Agent Standards		

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