Canadian Comments on SC32 N2196 CD2 19763-8

Date: 2012-10-11 | 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	Response
CA00	0 Ballot	-	Te	Canada has voted 'Disapprove with Comments' on this ballot, for the reasons stated below. Canada supports the project and will change its vote if these comments are satisfactorily addressed.	See detailed comments below.	Many thanks for the valuable comments and correction suggestions.
CA01	0 Foreword	List of parts	Ed	Canada's previous comment on the list of parts has not been correctly resolved. Only parts 1 and 3 have been published. Part 2 has been replaced by Part 10, which should be moved after part 9. Part 4 has been cancelled, and should be deleted. Part 12 should be added to the list.	Delete parts 2 and 4 from the first list. Add parts 10 and 12 to the second list.	Corrected (same as GB01)
CA02	0 Introduction	2nd para. 1st sentence	Ed	Grammatically, "Web-based applications, such as Web services, processes," would be better written as: "Web-based applications, such as Web services and processes," But we have no idea what web processes are, so it may be better to delete the word 'processes'.	Correct the sentence one way or another.	Corrected
CA03	0 Introduction	2nd para. 2nd sentence	Ed	"in a higher abstraction level" would be better written as: "at a higher level of abstraction".	Make the correction.	Corrected
CA04	0 Introduction	2nd para. 3rd sentence	Ed	"in a larger granularity" is not good English. Also, we don't understand how 'larger granularity' affects reuse.	Replace: Effective management of goals will be helpful for reusing information resources such as processes in a larger granularity. By: Effective management of goals will be helpful for reusing information resources in support of those goals.	Corrected
CA05	0 Introduction	2nd para. 4th sentence	Ed	'a users' s/b 'a user'	Make the correction.	Corrected

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CA06	0 Introduction	2nd para. 5th sentence	Ed	"within specified organizational context" s/b "within a specified organizational context"	Make the correction.	Corrected
CA07	0 Introduction	2nd para. 6th sentence	Ed	"Description of roles" s/b "Descriptions of roles"	Make the correction.	Corrected
CA08	0 Introduction	2nd para. 6th sentence	Ed	Re "more complete and correct way". "more" compared to what?	Either provide a complete comparison, or rephrase to remove the word 'more'	Corrected
CA09	0 Introduction	3rd para. 1st sentence	Ed	The first sentence does not have any obvious connection with what precedes or follows it. Also, the English grammar needs correcting. The sentence is: "User-centric mechanism, that is providing personalized services for users, is becoming a kind of urgent requirements in IT industry."	Either delete the first sentence, or better relate it to the rest of the Introduction. If it is kept then also: 1) Change: "User-centric mechanism … is becoming…" to: "User-centric mechanism**s** … **are** becoming…" 2) Change: "a kind of urgent requirements in IT industry" to: "urgent requirements in **the** IT industry"	Corrected Note: the first sentence is used to elaborate the relationship of this standard in the RGPS framework (i.e., service), but for clarity and focus, we decided to delete it.
CA10	0 Introduction	3rd para. remaining sentences	Te	The second and following sentences of para 3 describe features and short-comings of OMG BMM. Why is this relevant? It is not an ISO/IEC standard. Instead, it would make more sense to discuss the roles and goals as specified in ISO/IEC 14662 and 15944, and why these are not adequate for the purposes of 19763. Hint: The 14662 definition of role Is specific to Open-dei scenarios.	Remove the discussion of BMM. Potentially discuss the use of role and goal in other ISO/IEC standards such as ISO/IEC 14662 and 15944 (multiple parts).	Improved Note: We add the discussion about business goal from ISO/IEC 14662.
CA11	0 Introduction	4th para.	Ed	Re: "This part of ISO/IEC 19763 intends to provide…" A document cannot intend anything.	Change "intends to provide" to "provides".	Corrected

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CA12	1 Scope	1st para. 2nd sentence	Ed	The meaning of the second sentence is unclear. The sentence is: "This part of ISO/IEC 19763 specifies a metamodel for registering the users' of a service or process roles and goals in industry specific domains." The apostrophe after 'users' seems incorrect, unless this is intended to qualify roles and goals. The sentence needs to be restructured to better express its meaning.	Possible restructure (if this is what is meant): "This part of ISO/IEC 19763 specifies a metamodel for registering the roles and goals of users of services and/or processes in industry specific domains."	Corrected
CA13	1 Scope	2nd para. 2nd sentence	Ed	'For the purpose' s/b 'For this purpose'	Make the correction.	Corrected
CA14	2 Normative references	19763-2	Ed	19763-2 has been renumbered to 19763-10	Make the correction.	Corrected
CA15	2 Normative references	15476-4	Ed	ISO/IEC 15476-4 is included in the normative references, but is referenced only for one definition. ISO CS has stated that if a document is used only for definitions, it should be listed only in the Bibliography, not the Normative References. See also CA16 which questions the use of the referenced definition.	If the definition of **role** continues to be referenced from 15476-4, then move the document reference to the Bibliography. If the definition of role is changed so it no longer references 15476-4, then delete the document reference altogether.	Corrected Note: We moved the document reference to the Bibliography.
CA16	2 Normative references	25062	Ed	ISO/IEC 25062 is included in the normative references, but is referenced only for one definition. ISO CS has stated that if a document is used only for definitions, it should be listed only in the Bibliography, not the Normative References.	Move the document reference to the Bibliography. If the definition of goal is changed so it no longer references 25062, then delete the document reference altogether.	Corrected Note: we moved the document reference to the Bibliography
CA17	2 Normative references	All	Ed	The references are not in numerical order.	Order the references based on the document number of the standard.	Corrected
CA18	3.2.1	Definition	Te	The definition of **role** does not reflect the way it is used in the metamodel. The definition is: "Expression of an object playing a part in a relationship" but clause 5.1 and Figure 2 shows the role being played by an 'Actor', not an 'object'.	Change the definition to be consistent with the use of the term in clause 5.	Corrected In 3.2.1, we add an example in the definition 'object (e.g., actor)'.
CA19	3.2.2	Definition	Te	The definition of **goal** does not reflect the way it is used in the metamodel. The definition is: "Intended outcome of a	Change the definition to be consistent with the use of the term in clause 5.	Corrected

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				user interaction with a product", but the metamodel shows Actors and Roles, instead of Users, and Processes and Services instead of Products.		In 3.2.2, we add examples in the definition 'user (e.g., actor) with a product (e.g., process or service)'
CA20	3.2.3	Definition	Te	The definition of **role_goal** does not reflect the way it is used in the metamodel. The definition is: "descriptive statement that denotes the outcome of a given role", but the metamodel does not specify where this description would be specified. Since role_goal is a subclass of Goal, it may either inherit the specification from Goal (which is supposedly a model element specified in a modelling language, so is presumably more than just a description. Compare 5.4.15.	Change the definition to be consistent with the use of the term in clause 5.	Improved We use **bold** font to denote the concept in the description of subclass to represent the subclass relationship to the superclass in the description of subclass.
CA21	3.2.4	Definition	Te	The definition of **personal_goal** does not reflect the way it is used in the metamodel. The definition is: "descriptive statement that denotes the goals that an individual prefers", but the Metamodel does not specify where this description would be specified. Since personal_goal is a subclass of Goal, it may either inherit the specification from Goal (which is supposedly a model element specified in a modelling language, so is presumably more than just a description) or it could. Compare 5.4.16.	Change the definition to be consistent with the use of the term in clause 5.	Corrected same modification as CA20
CA22	5.4	All	Te	Each subclause starts with the statement: "xxx is a(n abstract) metaclass that denotes (or represents, or describes)…", but it is not the metaclass that denotes something, but an instance of the metaclass. See WG2 N1656 Modeling Guidelines for 19763 revisions.	Restructure the opening sentence of each subclause to conform to the guidelines in WG2 N1656.	Corrected (same as GB24)
CA23	5.4.1	1st sentence	Te	The first sentence needs rewording to reflect the revised definition.	Apply the resolution of CA19.	Corrected same modification as CA19
CA25	5.4.1	Goal_Type	Te	The datatype Goal_Type is not defined anywhere.	Define the datatype, or replace it with one that is already defined.	Corrected Note: the definition of

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						Goal_Type is added in the 3rd paragraph of 5.1.
CA26	5.4.13	1st sentence	Te	The first sentence needs rewording to reflect the revised definition.	Apply the resolution of CA18.	Corrected same modification as CA18
CA27	5.4.18	1st sentence	Te	The first sentence states that the Role_Goal_Model describes … a Role and Goal, but Figure 2 shows that a Role_Goal_Model describes zero, one or many roles and goals.	Change the text to match the Figure.	Corrected
CA28	5.4.18	Describes Role	Te	The multiplicity of 'describes Role' in the text is 0..1, but in Figure 2 it is 0..*.	Change the text to match the Figure.	Corrected
CA29	5.4.19	1st sentence	Te	The first sentence states that the Role_Goal_Modelling_Language … describes the Role_Goal_Model, which in turn (according to 5.4.18) describes basic information of a role and goal. It is not appropriate to use the same verb (describe) for both model elements.	Possible alternatives include: 1) Simply change 'describes' in 5.4.19 to 'specifies'. 2) More accurately, the Role_Goal_Model uses the Role_Goal_Modelling_Language to specify information about Role and Goal.	Corrected Note: we followed the 2nd option.
CA30	All		Te	Any other errors found before or during the Comment Resolution Meeting should be Corrected if consensus can be reached on a resolution.	To be addressed at the CRM as required.	We will do that, thanks for the comments again.

END

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JP 01	5.4.1 Goal	is_operation al	ed	Its data type should be "Boolean", rather than "bool", to be consistent with FDIS MDR Part3 Ed3.		Corrected
JP 02	5.4.2 Constraint	source	te	The multiplicity of its inverse reference needs to be defined, as specified at Figure 2.		Corrected Note: we also corrected the similar part in 5.4.7 Decomposition) (same as GB15)
JP 03	5.4.2 Constraint	target	te	The multiplicity of its inverse reference needs to be defined, as specified at Figure 2.		Corrected (similar to JP02)
JP 04	5.4.10 Goal_ Operation	annotation	te	It is not an attribute, but should be a reference whose range class is Registered_Ontology_Atomic_Construct of MFI Part3.		Corrected Note: Corrected in description, and we also add the reference and the metaclass Registered_Ontology_Atomic _Construct in the metamodel of MFI-8.
JP 05	5.4.11 Goal_ Object	annotation	te	It is not an attribute, but should be a reference whose range class is Registered_Ontology_Atomic_Construct of MFI Part3.		Corrected (similar to JP04)

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GB 01	Forward		ed	Part 12 is missing from the list of parts	Add Part 12	Corrected (added) (same as CA01)
GB 02	Introduction	Para 2	ed	"… such as processes in a larger granularity." The intention of this sentence is not understood.	Clarify meaning.	Corrected Note: the original idea of this sentence is that effective management of goals will facilitate the reuse of components that support/implement the goals. We removed the example "process" in this sentence so that the reused information sources are more general and not specific to processes. (same as CA04)
GB 03	Introduction	Para 2 - last sentence	te	"Note that Role and Goal are to be defined within the context of a specific Organization." 19763 is all about interoperability, which is concerned with either the exchange of information between systems or the sharing of programs/services by systems. By defining Role and Goal within a specific organization the scope of the interoperability is severely limited.	Reconsider the definition of Role and Goal within a specific organisation.	Corrected Note: We agree. The idea is that any role and goal specified (as shown in Fig. 2) belong to an organization, and this sentence is modified.
GB 04	1	Para 1	ed	"… for registering the users' of a service or process roles and goals in industry specific domains." • "in industry specific domains" conflicts with the "a specific organization" noted above. • It is not the "users" that are being registered, it is the roles and goals of those users.	Revise this sentence.	Corrected (same as CA12)

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GB 05	2		te	19763-3 should be a normative reference as some elements of the metamodel defined in that part are used in this part.	Add 19763-3	Corrected (added in normative reference)
GB 06	2		te	15476-4 and 25062 are only referred to in the definitions in clause 3.2 and those definitions are suspect.	Consider removing 15476-4 and 25062	Corrected Note: we moved these two standard references to the Bibliography. (same as CA15 and CA16)
GB 07	3.2		ed/te	All the terms being defined start with an upper case character. Also the terms being defined at 3.2.3 et seq all include underscores. Are they definitions of broad terms (the heading for clause 3.2) or the definitions of metaclasses? If they are definitions of broad terms they should be of the form "**role goal**".	Adjust all terms defined in 3.2 to start with a lower case character and, where the term consists of two words or more, remove the underscore.	Corrected Note: yes, they are the definitions of broad terms, and we modified them as you suggested.
GB 08	3.2.1		te	This is a very narrow definition of 'role' used is a specific context that is not relevant to this part. But finding the right definition of 'role' is fundamental to getting understanding of this part of 19763. Our initial understanding of 'role' was that it was a 'role with respect to a service or process' (such as 'beneficiary', 'customer, 'actor', etc) but in Crete in October 2011 (and reinforced in Wuhan in January 2012) we were told that it is a 'role within an organisation' (such as 'lecturer, etc'). It is important that the 'role' within 19763-8 is clarified.	Revise definition.	Improved (same as CA18)
GB 09	3.2.2		te	This is also a narrow definition of 'goal'	Use "intended outcome" as defined in ISO 9241-210:2010.	Improved Note: we also add ISO 9241-210:2010 as a reference in Bibliography. (same as CA19)

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GB 10	5.1	Para 1, first sentence	te	"**Role** can be played by different **Actors**." The multiplicity of Actor with respect to the 'played_by' association on Figure 2 is 1..*. The interpretation of this is that each Role must be played by one or more Actors. "Can" is not appropriate here.	Change to read "A **Role** must be played by one or more **Actors**."	Corrected
GB 11	5.1	Para 1, last sentence	te	"**Organization** is composed of **Roles**." ." The multiplicity of Role with respect association to Organization on Figure 2 is 0..*. The interpretation of this is that each Organization may be composed of one or more Roles. "Is" is not appropriate here.	Change to read "An **Organization** may be composed of one or more **Roles**."	Corrected
GB 12	5.1	Para 3 and Fig 2	te	This para discusses the decomposition of goals. At the moment this is limited to logical 'and' decompositions and logical 'or' decompositions. Should there also be an ability to have logical 'exclusive or' (XOR) decompositions?	Consider adding XOR decompositions.	Corrected Note: We agree. XOR decomposition relationship is added as a metaclass.
GB 13	5.1	Para 3 and Fig 2	te	The current structure for decomposition in Fig 2 only allows for a simple 'and' or 'or' decomposition. A decomposition of a goal can involve a complex logical expression involving 'and', 'or' and 'xor'.	Restructure the decomposition structure to cope with complex decompositions.	To be discussed Note: The complex logical expression of the goal decomposition can be represented using middle-layer subgoals. For example, A is decomposed into A1 "And" A2, and then A2 as a middle-layer subgoal can be further decomposed into A2.1 "Xor" A2.2.

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GB 14	5.1	Para 4 and Fig 2	te	"… the **Contribute** relation means that the realization of a goal can make contribution or hinder the realization of another goal." There is nothing in Fig 2 or in 5.4.6 to deal with the fact that **Contribute** can actually contribute or hinder. There either needs to be an attribute allowing the two options or two separate subclasses.	Add an attribute to **Contribute** or create a separate **Hinder** subclass.	Corrected Note: We created a **Hinder** metaclass, which is at the same level as **Contribute** metaclass, and it is defined as "Hinder is a metaclass each instance of which denotes one goal hinders the realization of another goal."
GB 15	5.1	Fig 2	ed	The 'source', 'target', 'upper', 'lower' and 'interacts' associations need two names.	Rename each association.	Corrected Note: The descriptions of these modified associations are also updated.
GB 16	5.1	Fig 2	te	The association between 'Organization' and 'Role' requires names and the multiplicity at the 'Organization' end.	Add names and multiplicity.	Corrected
GB 17	5.1	Fig 2	te	The 'source' and 'target' associations between 'Constraint' and 'Goal' are both shown as '1..1' at both ends. What about goals that are not constrained or are not part of a constraint? Can a goal have more than one constraint? A goal can depend on many other goals. Similarly, a goal can contribute to many other goals.	Model the constraint area again to take account of more complex constraints.	Corrected (related to GB15)
GB 18	5.2	Fig 3	te	'Goal_Operation' and 'Goal_Object' are shown on this figure but not 'Goal_Manner'. Either all should be included in Figure 3 or none should be included. The latter option is preferred because they take no part in any relationship to another part of 19763.	Remove 'Goal_Operation' and 'Goal_Object' and all relevant associations.	Corrected

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GB 19	5.2	Fig 3	te	This figure shows 'Service_Role' and 'Process_Role' both being described by a single 'Role_Type' but it also shows that these three metaclasses are defined in other parts of 19763. Since 'Service_Role' and 'Process_Role' share 'Role_Type' these three metaclasses should be defined in this part of 19763.	Define 'Service_Role', 'Process_Role' and 'Role_Type' in this part of 19763.	To be discussed Note: These three concepts, including their relationships are defined in 19763-9 (i.e., the technical report of 'On-demand model selection') for a recommendation about how to use RGPS '19763-5,7,8' together. Our idea is that this part of 19763 (MFI-8 Role and Goal registration) is not necessary to be used together with other parts of 19763 (i.e., MFI-7 service and MFI-8 process), but just a candidate/recommended solution. In consideration of this, we decided not to include these three concepts, which are concerned about the use of 19763-8 with 19763-5 and -7, in this part of 19763 (19763-8). To be consistent to the change in MFI-9 "On-demand model selection", 'Role_Type' is changed to 'Involvement_Type', 'Service_Role' is changed to 'Service_Involvement', and 'Process_Role' is changed to 'Process_Involvement'.

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GB 20	5.3	Fig 4	ed	'ModellingLanguage' and 'ModelElement' should have underscore word seperators.	Change to 'Modelling_Language' and 'Model_Element'.	Corrected
GB 21	5.3	Fig 4	te	'Organisation', 'Goal_Operation', 'Goal_Object' and 'Goal_Manner' are missing from this figure.	Add Organisation', 'Goal_Operation', 'Goal_Object' and 'Goal_Manner'.	Corrected
GB 22	5.4		ge	An introduction is needed to explain what follows.	Add introduction.	Corrected
GB 23	5.4		te	The formatting of the 'tables' that constitute the sub clauses of 5.4 have inconsistent formatting and, since	Adjust formatting.	Corrected
GB 24	5.4	5.4.1 et seq	ge	The description of each metaclass should be of the form "XXX is a metaclass each instance of which represents ..." or "XXX is an abstract metaclass each instance of which represents ...".	Amend descriptions.	Corrected (same as CA22)
GB 25	5.4	5.4.1 et seq	ge	Some attributes are included that exist in the metaclasses defined in 11179-3 and will be inherited though the MFI Core Model, such as 'name' in 5.4.1. Whilst they need to be included in this part for completeness they should be highlighted in some way as being already defined elsewhere.	Add some notation to indicate inherited attributes.	As agreed in Berlin, all the attributes inherited from 11179-3 will be defined in the MFI core model.
GB 26	5.4	5.4.1 et seq	ge	Some references are missing, such as a second reference to 'Role' and a reference to 'Organization' in 5.4.13.	Add missing references.	Corrected (related to CA15) Note: We also add the definition of 'Organization' in 3.2 with reference.
GB 27	Annex A		ge	The examples shown here will need amending to reflect changes made as a result of the comments above.	Amend examples.	Corrected Note: The examples in the Appendix have been updated accordingly.

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