

**WG2N1672R3**

**ISO/IEC JTC1/SC32/N2212**  
**ISO/IEC JTC1/SC32/WG2/N1672R3**

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**ISO/IEC JTC 1/SC 32/WG 2**

**Data Management and Interchange**  
**Working Group 2**  
**Metadata**

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WG2 Plenary Meeting Report  
 May 31-June 1, June 4-8 2012  
 Berlin, Germany

1. WG2 had 25 attendees for the working group meetings during the WG2 Interim Meeting.

<b>JTC 1/SC 32/WG 2 Officers</b>	
Denise Warzel Tim Schoechle	JTC 1/SC 32/WG 2 Convenor JTC 1/SC 32 Secretariat
<b>National Body Experts</b>	<b>Organization/Affiliation</b>
<b><u>Australia</u></b>	
<b><u>Austria (O)</u></b>	
<b><u>Belgium</u></b>	
<b><u>Brazil</u></b>	
<b><u>Canada</u></b> Baba Piprani Jake Knoppers	None None
<b><u>China</u></b> Yangfan HE Jian WANG Zaiwen FENG Peng Liang Fei HE	SKLSE, Wuhan University SKLSE, Wuhan University SKLSE, Wuhan University SKLSE, Wuhan University SKLSE, Wuhan University
<b><u>Czech Republic</u></b>	
<b><u>Denmark (O)</u></b>	
<b><u>Egypt</u></b>	
<b><u>Finland</u></b>	
<b><u>France (O)</u></b>	
<b><u>Germany</u></b> Jüergen Stausberg	University of Munich
<b><u>Italy (O)</u></b>	

<b><u>Japan</u></b> Hajime Horiuchi	Tokyo International University Tokyo Electric Power Co.
<b><u>Kazakhstan</u></b>	
<b><u>Korea, Republic of</u></b> Doo-Kwon Baik Dongwon Jeong Sung-joon Lim Sukhoon Lee Jaehun Yang Taesul Seo	Korea University Kunsan National University Korean Database Agency Korea University KATS Korean Institute of Science
<b><u>Netherlands, The</u></b>	
<b><u>Norway (O)</u></b>	
<b><u>Poland</u></b> Ewelina Szczekocka	Telekomunikacja Polska S.A. (TP)
<b><u>Portugal</u></b>	
<b><u>Russian Federation (O)</u></b>	
<b><u>Sweden</u></b>	
<b><u>Switzerland (O)</u></b>	
<b><u>United Kingdom</u></b> Keith Gordon Steve Harris	Independent, DAMA-UK Oxford University Computing Lab
<b><u>United States</u></b> Laura Reece  Judith Newton (via telecon for 11179-5 discussion) Dan Gillman (via telecon for 20943-5) Andrew Schoka	TASC Farance, Inc. Ashton Computing & Management Services, LLC, DAMA-I  US Bureau Labor and Statistics Schoka Consulting
<b><u>Liasion</u></b> Serge Valera	ESA/ESTEC/TEC-SWM

**Table 1 — Project stages and associated documents**

Project stage	Associated document	
	Name	Abbreviation
Preliminary stage	Preliminary work item	PWI
Proposal stage	New work item proposal	NP
Preparatory stage	Working draft(s) <sup>1)</sup>	WD
Committee stage	Committee draft(s) <sup>1)</sup>	CD
Enquiry stage	Enquiry draft <sup>2)</sup>	ISO/DIS IEC/CDV
Approval stage	final draft International Standard <sup>3)</sup>	FDIS
Publication stage	International Standard	ISO, IEC or ISO/IEC

1) These stages may be omitted, as described in Annex F.

2) Draft International Standard in ISO, committee draft for vote in IEC. In JTC 1, the enquiry draft is the DIS.

3) May be omitted (see 2.6.4).

**Table 1 - Default Timeframe**

Project stage	Milestones Action/ Deliverables	Sub-stage	Project time (accumulated) in months
Preparatory stage	Registration of approved new work item	20.00	0
Committee stage	Registration of CD	30.00	12
Enquiry stage	Registration of DIS	40.00	18
Approval stage	Registration of FDIS	50.00	30
	FDIS ballot initiated	50.20	32
	FDIS voting summary dispatched	50.60	35
Publication stage	Publication of IS	60.60	36

### Opening

Liaison Report From Horiuchi, OMG submitted MOF 19508 and MOF 2 XMI 19509 for PAS ballot to JTC1. WG2 was responsible for XMI 1.0. We need to check with Tim regarding what has happened with this submission.

Laura Reece and agreed to be on the drafting committee.  
Keith Gordon agreed to keep the Document Register.

### **Review of Action Items from Crete**

- Baba Pipriani to discuss with Ray a replacement co-editor for 11179-6 Ed2
- Create draft resolution for Title change "19763-9 ODMS based on RGPS"
  
- Horiuchi-san asked Keith Gordon to be co-editor for 19763-1 Ed2, also from Crete prepare resolution to propose Keith Gordon as co-editor with Horiuchi-san for 19763-10 Core Model and Basic Mapping
- 19763 Drafting Guidelines may become annex of Part-1 or Part-10
- Ray initiated an inquiry about new editor for 11179-6 Ed3. Baba to provide update before end of Plenary. Laura Reece volunteered to be co-editor for this part.
- Possible co-editor for 19763-6 Registry Summary to be the same person as 11179-6 Registration. Laura Reece offered to also be co-editor for 19763-6.
- Cloud computing Study Group be extended to give time to analyze Cloud Computing requirements in context of 19763-7 Service Registration.
- Convenor to investigate changing 19763-12 to 19763-4 and 19763-10 to 19763-2. Secretariat informed us that the part numbers have been cancelled from ISO system and cannot be reused.
- Co-located 2012 Interim Meeting in Krakow, Poland, Oct 15-19
- UK offers to host WG2 only 2013 Interim meeting in Scotland
- US will look into hosting WG2 only 2014 Interim meeting in Denver USA

## **Liaison Report**

- Request to change SC32 WG2 Liaison to SC38 from Denise Warzel to Baba Piprani.

## **Programme of Work:**

### **1. 19763-1 Ed 2 MFI Framework**

**Hajime Horiuchi (JP) led discussion of Ed2.** Agreed scope should discuss just Part-1, that framework should not discuss the other parts in MFI so as not to limit Part one to only the currently existing parts. It should describe the framework, that registration will be handled by MDR, and that MFI framework includes the core model and mapping that are to be used by all the other parts. A revision will be developed and circulated for discussion in the 2<sup>nd</sup> week. A Resolution for a name change to ISO 19763 Metamodel Framework for Interoperability (MFI) – Part 1: Reference Model to ISO 19763 Metamodel Framework for Interoperability (MFI) – Part 1: Framework.

### **2. 19763-5 Process Model Registration Sneak Peak,**

**Fei He (CN)** presented a sneak peak of Part-5. CD4 to be issued for ballot July 7, 2012

### **3. 19763-7 MFI WD2 Metamodel for service registration**

**Zaiwen FENG (CM)** presented the text that is currently out for ballot to highlight the changes that were made based on ballot comments in Crete.

### **4. 19763-8 MFI Metamodel for Role/Goal registration**

**Peng Liang (CN)** presented a sneak-peek of Part 8. New dates were established for CD3 and DIS.

### **5. 19763-9 MFI 19763-9 ODMS based on RGPS - Sneak-peak**

**Jian Wang** led a discussion on ODMS. New dates were set for PDTR2 ballot before interim and DTR afterwards if comments are ok.

### **6. 19763-10 (2) MFI Core Model and Basic Mapping - Ballot Comments**

[http://www.jtc1sc32.org/doc/N2151-2200/32N2194T-text\\_for\\_ballot-CD\\_19763-10.pdf](http://www.jtc1sc32.org/doc/N2151-2200/32N2194T-text_for_ballot-CD_19763-10.pdf)

**Masao Okabe (JP)** led discussion on ballot comments. All comments were resolved. A request for resolution for CD2 for after the interim meeting was agreed.

### **7. 19763-12 Information Models Ballot Comments [http://www.jtc1sc32.org/doc/N2151-2200/32N2193T-text\\_for\\_ballot-CD\\_19763-12.pdf](http://www.jtc1sc32.org/doc/N2151-2200/32N2193T-text_for_ballot-CD_19763-12.pdf)**

**Keith Gordon (UK)** led discussion of ballot comments. [32N2227-summ\\_voting-N2193-CD\\_19763-12.doc](http://www.jtc1sc32.org/doc/N2151-2200/32N2227-summ_voting-N2193-CD_19763-12.doc). All comments except for the comment about how to handle Fact Based Models were resolved the first week. After presentation by experts on FBM, we agree not to try to change part 12 to register fact based models.

### **8. 11179-5 Ed3 MDR Naming Principles Ballot Comments**

[http://www.jtc1sc32.org/doc/N2151-2200/32N2192T-text\\_for\\_ballot-CD\\_11179-5.pdf](http://www.jtc1sc32.org/doc/N2151-2200/32N2192T-text_for_ballot-CD_11179-5.pdf)

**Judith Newton (USA)** Comments were discussed, a resolution to change the name to “11179 Metadata Registries (MDR)- Part 5: Naming Principles”. Consensus that this part should remain a Standard as opposed to a technical report or specification, and that this should be made more

broadly applicable to anything that is named. Strengthen the language. Judy will draft a disposition of comments for circulation between now and Interim meeting 2012.

#### **9. 20943-5 PDTR3 Semantic Metadata mapping procedure (SMMP)**

**Taesul Seo(KR), Sungjoon Lim (KR)** 20943 PDTR ballot passed. Comments were discussed. The revised PDTR shall be submitted to the JTC 1 Secretariat for further processing as a DTR. The DTR will undergo a three-month letter ballot starting July 7, 2012. The DTR text shall also be distributed to the ITTF for editorial review. Any comments received from ISO editors shall be considered together with national body comments received on the DTR ballot and sent to the Editor. If the ballot is successful, and there are not significant technical comments, then the comments will be addressed at the interim meeting in Poland, the document will be revised to dispose of the comments, and the TR will be sent to the JTC 1 Secretariat who will forward to the ITTF, normally within two months, for publication.

#### **10. 20943-6 PDTR Framework for Generating Ontologies (FGO)**

**Doo Kwon Baik (KR) Dongwon Jeong (KR)** discussed disposition of comments and all were agreed.

#### **11. ISO/IEC 5218**

**Jake Knoppers (CA)** presented an update on 5218. The changes will be made as a small editing change to fix the spelling of several values. The group agreed to ask SC32 chair to move this project to WG1.

#### **12. Final Report on Study Period on Forms**

**Steve Harris (UK)** presented the summary of the report and a walk through of first draft of the model, WG2 N1646. The study period that surfaced the need for a metamodel for forms registration was begun in 2008, Metadata Study Period, SC32 N1773 (WG2N1118) with Denise Warzel as convenor. There was wide-spread interest in a metamodel for registration of Services, which is being covered by 19763-7 Metamodel for Service Registration, and for Forms. The forms metamodel study period was extended by 1 year in Kona. The working group advised Steve about TC154 work and possible liaison with them while working on the first draft. Andrew Schoka is interested in following this work as well. The group agreed that a resolution for a project split in 19763 should be submitted to create a new part Metamodel for Forms Registration with Steve Harris as the Editor.

#### **13. Study Group on Metadata For Cloud Computing**

**Ewelina Szczekocka (PL), Baba Piprani (CA) and Sungjoon Lim (KR)** presented progress on study of metadata for Cloud Computing. WG2 N1648, with supporting materials in WG2 N1666, WG2 N1665 The group was asked to look into what kind of metadata is available for existing cloud computing service providers for each of the different kinds of cloud services and begin to formulate a possible metamodel, determine if one model for cloud services is possible, or if each kind of service needs its own standard. It was noted that 19763-7 and SaaS (Software as a service) have significant overlap. Any new requirements for service metadata that come from the group's analysis should be given to 19763-7 project editor.

**14. Fact Based Models - proposal [http://metadata-standards.org/Document-library/Documents-by-number/WG2-N1601-N1650/WG2N1640\\_FBM\\_WD02\\_Draft\\_20120419.pdf](http://metadata-standards.org/Document-library/Documents-by-number/WG2-N1601-N1650/WG2N1640_FBM_WD02_Draft_20120419.pdf)**

**Baba Piprani (CA) and Valera Serge** presented a proposal for a project split for fact based models. It appears that fact based models are a different approach to modeling information than the types of models covered by the current draft of 19763-12 Information models. In order to support next generation analytics, big data and semantic web approaches to sharing data, fact based modeling languages may be needed to support interoperability. Registration of such models could potentially be supported by a new part of 19763. More research is needed. A study group is formed, convened by Baba Piprani, to include looking at 11179-3 Ed 3 Concept region to see if fact based models can be registered using 11179. Serge will also look at RDF to see if it is a type of fact based models, and 19763-10 to see if fact based models can fit into the framework described by part 10. If not, an NWIP may need to be proposed.

#### **15. ISO/IEC 11179-3 Ed 3 WG2 N1658**

**Denise Warzel** led a review of the remaining items for 11179-3 Ed 3. It was agreed that the items in green could be deferred, and that of the items in yellow, the technical (te) issues should be addressed first. The others were largely editing issues and could be deferred. It was agreed to submit a resolution for 11179 -3 Ed 3 FDIS ballot by July-31-2012



### Future Meetings

From	To	Meeting/Purpose	Location
2012-10-15	2012-10-19	SC32/WG2 Interim	Kraków, Poland
2013	2013	SC32/WG2 Interim only	Scotland, UK
2013	2013	SC32 Plenary	Korea
2014	2014	SC32/WG2 interim only	Possibly US, Denver, Colorado

### Action Items.

1. Convenor asks the Editor of 19763-7 to review alignment of terms used in the 19763-7 with SC38 WG2 DTR 30102
2. Experts are requested to review a contribution by Ray Gates editor of 11179 Ed 3 who made a contribution WG2N1657 during the working group meeting that proposes a change to 11179 Ed figures and text to add a metadata\_item abstract class as a superclass to all metadata objects in the metamodel. Editors of 19763 parts are asked to look at this and consider impact on their work as well. Comments are requested to be sent to Ray Gates by June 29, 2012. Keith is going to provide a summary of his and Okabe's comments/response. One of the issues is that the MRA part for SQL is being cancelled, which may mean this change is not needed.
3. SC32 has received the following PAS submissions. There was a PAS ballot submitted by OMG for the DIS 19508 Information technology -- Object Management Group -- Meta Object Facility (MOF) Core Version 2.4.1 and DIS 19509 Information technology -- Object Management Group -- MOF 2 XMI Version 2.4.1 that need to be reviewed. WG2 needs to conduct a ballot resolution meeting (BRM). No sooner than Nov. 30, 2012. Editor of the document should be included at the meeting. Japan will offer a convenor for the BRM.
4. Korea proposed to make a submission to consider a new Technical Specification for metadata registry interfaces.
5. WG2 Convenor to request the SC38 vocabulary documents.

### 1. Acclamations

1. We would like to thank Laura Reece and Okabe Masao for drafting committee.
2. We would like to thank Keith Gordon for keeping the Document Register and for his work on the 19763 Modeling and Drafting Guidelines.
3. We would like to thank Jörn Bartels for Berlin meeting arrangements.