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| MINUTES |
| Meeting title: | RDM 49 e-meeting |
| Chair: | Shane HE, Nokia, shane.he@nokia.com  |
| Vice-Chairs: | TaeHyun Kim, SynchTechno, thyun.kim@synctechno.com Marianne Mohali, Orange, marianne.mohali@orange.com  |
| Secretary: | Peter J. Kim pjk@tta.or.kr / Joey Lee joey2k@tta.or.kr |
| Meeting Date: | 2021-01-18 ~ 2020-02-09 |
| Intended purpose ofdocument: | [x]  Decision[ ]  Discussion[ ]  Information[ ]  Other <specify> |

oneM2M Notice

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1 Opening of the meeting

1.1 Welcome

Shane He, RDM Chair, opened the RDM49 meeting on 26 January. Participants were advised to read the oneM2M legal notice on the cover page of the agenda.

1.2 Objectives

1.3 Schedule

1. <https://global.gotomeeting.com/join/379023669> 2021-01-26 12:00 (GMT)

2. <https://global.gotomeeting.com/join/379023669> 2021-02-02 12:00 (GMT)

3. <https://global.gotomeeting.com/join/379023669> 2021-02-04 12:00 (GMT)

2 Review & Approval of Agenda

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| [RDM-2021-0006](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33183&fromList=Y) | [RDM\_49 Agenda](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33183&fromList=Y) | RDM Chair |
| [RDM-2021-0007R02](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33246&fromList=Y) | [RDM\_49\_tdoc\_allocation](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33184&fromList=Y) | RDM Chair |

The RDM Document Allocation will be updated throughout the technical plenary weeks.

RDM-2021-0006 was NOTED

RDM-2021-0006R01 was AGREED

3 Review & Approval of Previous Minutes

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| [RDM-2020-0106](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33053&fromList=Y) | [RDM 48 Meeting Minutes](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33053&fromList=Y) | Secretary (Peter J. Kim) |

RDM-2020-0106 was AGREED.

4 Review of Open Action & WI Status

4.1 WI Status

dWI-0015 - oneM2M Use Case Continuation

WI-0070 - Public Warning Service Enabler 95%

WI-0084 - SDT based Information Model and Mapping for Vert. Ind. 100% (new WI expected)

WI-0092 - Railway Domain Enablement 70%

WI-0094 - Ontologies for Smart City Services 65%

WI-0098 - IoT for Smart Lifts 40%

WI-0099 - Management Object Migration 55%

WI-0101 - Advanced semantic discovery 25%

4.2 TS Status

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| **TS** | **Title** | **Rel-5** | **Rel-4** | **Rel-3** | **Rapporteur** | **Comment** |
| TS-0002 | Requirements  | new | 4.7.0 | 3.1.2 | Shane He, Nokia | Rel.5 |
| TS-0023 | SDT based Information Model & Mapping for Vertical Industries | - | 4.4.1 | 3.9.0 | Andreas Kraft, DT & Andrew Min-gyu Han, Hansung University | New baseline approval RDM #49 |
| TS-0037 | IoT Public Warning Service Enablement | - | 0.0.1 | -  | TaeHyun Kim, SyncTechno | Approved  |

4.3 TR Status

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| **TR** | **Title** | **Rel-5** | **Rel-4** | **Rel-3** | **Rapporteur** | **Comment** |
| TR-0001 | Use Cases Collection |  | 4.4.0 | 3.1.1 | Massimo Vanetti (SBS), Shane He(Nokia) | Rel.5 |
| TR-0026 | Vehicular Domain Enablement |  | 4.8.0 | 3.0.1 | Kenichi Yamamoto, KDDI | Approved  |
| TR-0046 | Study on Public Warning Service Enabler |  | 0.9.0 | - | SeungMyeong JEONG, KETI & TaeHyun KIM, SyncTechno Inc. | Approved  |
| TR-0049 | Industrial Domain Information Model Mapping and Semantics Support |  | 0.7.0 | - | Zhirong Zeng, Hitachi | Approved  |
| TR-0058 | Railway Domain Enablement |  | 0.7.0 | - | Andrew Min-gyu Han(Hansung Univ.) |  |
| TR-0061 | Study on ontologies for Smart City Services |  | 0.2.0 | - | InSong Lee, KETI  |  |

4.4 Action Items

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| **Number** | **Action** | **Responsible** | **Status** |
| N/A |  |  |  |

5 Contributions

5.1 TS-0023 discussion

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| [RDM-2021-0002](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33117&fromList=Y) | [TS-0023-V4\_7\_0\_New\_baseline](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33117&fromList=Y) | Andrew Min-gyu Han (Hansung University) |

Comments/Issues: New module classes for 3d display, 3d scan, and addition of management domain was added to the TS-0012 v 4.7.0. as discussed from previous meetings.

RDM-2021-0002 was AGREED

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| [RDM-2021-0003](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33177&fromList=Y)[RDM-2021-0003R01](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33219&fromList=Y) | [TS-0023\_EnumeratedTypes](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33177&fromList=Y) | Orange, DT |

Proposal for new specific dedicated domain for enumerate type “Horizontal Domain” was introduced under the prefix ‘hd’. Enumeration type definition, change from ’hcod’ to ‘hd’, and XSD definition for the new enumeration type were added.

Comments/Issues: Difference between Common and Horizontal domain needs to be clarified. A text or a note should be added to explain the difference, preferably in section 6.5.1 Introduction section.

Version R01 resolved the comments raised and R01 was agreed without further comments.

RDM-2021-0003 was NOTED

RDM-2021-0003R1 was AGREED

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| [RDM-2021-0005](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33182&fromList=Y) | [TS-0023\_MiscDM](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33182&fromList=Y) | Orange (Cyrille-Marianne), DT (Andreas K) |

Proposes to update Values in enumPowerState are rewritten in lower case, modifies manufacturerDetailsLink datapoint’s type in [dmDeviceInfo] from string to URL, and removal of actionStatus datapoint and a return value is introduced for the enable/disable actions in [dmCapability].

Comments/Issues: None

RDM-2021-0005 was AGREED

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| [RDM-2021-0014](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33247&fromList=Y) | [Suggesting New WI for TS-0023 R5 work](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33247&fromList=Y) | Andrew Min-gyu Han (Hansung University) |

This contribution proposes new Work item on “SDT based Information Model and Mapping for Vertical Industries(SIMVI)”. This WI targets Rel5.

Comments/Issues: One more bullet for scope has been added –“Introducing and mapping SDT4.0 ProductClass to TS-0023.”. This got enough support to start new WI. It will be also presented at TP Closing Plenary.

RDM-2021-0014 was NOTED.

5.2 SDT discussion

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| [RDM-2021-0004](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33180&fromList=Y) | [SDT - Support for Relations](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33180&fromList=Y) | Andreas Kraft (Deutsche Telekom), Cyrille Bareau (Orange), Bob Flynn (Exacta) |

Introduces new elements to the SDT to adapt more complex use cases that may come from more traditional data-oriented technologies.

Comments/Issues: This could be a modification from 4.0 to 4.1 so it can be considered maintenance to SDT but due to timing issue, this should be targeted for Rel5 by creating new WI.

RDM-2021-0004 was NOTED

5.3 TR-0061 discussion

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| [RDM-2021-0001](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33095&fromList=Y) | [TR-0061-Baseline\_V0\_3\_0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33095&fromList=Y) | KETI |

Comments/Issues: No presentation made but after Chair’s review, there seems to be no problem with this document. This document had been circulated for 7 days email approval process and there was no comment received. Thus, this contribution is agreed.

RDM-2021-0001 was AGREED

5.4 TS-0023 and SDT discussion

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| [RDM-2021-0008](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33186&fromList=Y) | [TS-0023\_Actions\_Return](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33186&fromList=Y) | Orange (Cyrille-Marianne), DT (Andreas K) |

When mapping an Action to a <flexContainer> resource, this return value must be mapped to a named custom attribute. This contribution proposes to force this custom attribute name to ‘result’, rather than letting returned value names be defined for each specific Action.

Comments/Issues: None

RDM-2021-0008 was AGREED

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| [RDM-2021-0009](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33203&fromList=Y) | [Integrating SDT4.0 in TS-00023](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33203&fromList=Y) | Andreas Kraft (Deutsche Telekom), Cyrille Bareau (Orange), Andrew Min-gyu Han (Hansung University) |

This contribution proposes small editorial changes to apply SDT4.0 into TS0-00023, together with small typo corrections.

Comments/Issues: Small editorial changes have been suggested. R01 will be introduced on February 4th. VersionR01 has been reviewed on February 4th. It has corrected editorial errors reviewed at the last meeting.

R01 changes are;

-Fixed wrong reference to SI unit definitions, added reference [20]

-Further alligned Device -> DeviceClass

-Corrected typos (Annex C)

-Corrected document header

RDM-2021-0009 was NOTED.

RDM-2021-0009R1 was AGREED.

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| [RDM-2021-0010](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33242&fromList=Y) | [TS-0023-V4\_7\_1\_New\_baseline](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33242&fromList=Y) | Andrew Min-gyu Han (Hansung University) |

This contribution proposes a TS-0023-V4.7.1 revising some editorial errors of the previous version.

Comments/Issues: Small editorial change is suggested and reflected in R01.

RDM-2021-0010 was NOTED.

RDM-2021-0010R1 was AGREED.

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| [RDM-2021-0011](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33243&fromList=Y) | [New rule for optionality and multiplicity mapping in TS-0023](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33243&fromList=Y) | Andreas Kraft (Deutsche Telekom), Andreas Neubacher (Deutsche Telekom), Sherzod Elamanov |

This CR proposes to add a new rule to section “5.2.2 Description rules for Module Classes and Device models” to clarify the mapping of the “Optional” and “Multiplicity” columns in the tables of TS-0023.

Comments/Issues: Subdevice has been added to the Rule 14 and some editorial issues have been corrected in R01.

RDM-2021-0011 was NOTED.

RDM-2021-0011R1 was AGREED.

5.5 TR-0067 discussion

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| [RDM-2021-0012](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33244&fromList=Y) | [TR-0067 Updates related to other CRs](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33244&fromList=Y) | Orange |

This CR proposes following points;

- Adding the indication that CMDH policy management is under discussion and so, not addressed yet in this study;

- Updating reference to CR RDM-2020-0077 to TS-0023 which was agreed in the meantime

- Adapting the proposed changes from the study to the latest version of TS-0023 i.e. v4.7.0

Comments/Issues: The newest version of TS-0023(v4.7.1) need to be reflected and referencing errors need to be corrected.

R01 will be prepared. When R01 is circulated, 7-days e-mail confirmation process will be gone through. If there is no comment, R01 will be agreed at the next meeting.

RDM-2021-0011 was NOTED. (Revision is expected and R01 will be circulated for e-mail confirmation process)

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| [RDM-2021-0013](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33245&fromList=Y) | [TR-0067 v0.1.0 Management\_Object\_Migration\_to\_SDT\_ New baseline](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33245&fromList=Y) | Orange |

This contribution proposes updating TR-0067 according to the TS-0023 v4.7.0 including CR RDM-2021-0012.

Comments/Issues: The newest version of TS-0023(v4.7.1) need to be reflected.

R01 will be prepared. When R01 is circulated, 7-days e-mail confirmation process will be gone through. If there is no comment, R01 will be agreed at the next meeting.

RDM-2021-0011 was NOTED. (Revision is expected and R01 will be circulated for e-mail confirmation process)

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| RDM-2021-0015 | [Study on Management Object migration to SDT](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32732&fromList=Y) | exactagss |

This presentation introduces the idea of modifying CMDH policies for optimizing DB call procedure and CMDH resources.

Comments/Issues: Experts will review further and deeper internally and with proposer online.

RDM-2021-0015 was NOTED.

5.6 Other discussion

 None

6 Planning for next Meetings

6.1 Next Conference Calls

 - RDM 49.1 : Mar 9th, GMT 1200 to 1400

- RDM 49.2 : April 6th, GMT 1200 to 1400

6.2 Face to Face Meetings

N/A

7 Any other business

7.1 TP Closing Report

 Chair’s report draft has been reviewed. This will be presented by RDM chair at the TP Closing Plenary.

8 Closure of meeting

The Chair thanked the participants and closed the meeting 04 February 13:45 GMT.