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| MINUTES | |
| Meeting title: | RDM 48 e-meeting |
| Chair: | Shane HE, Nokia, [shane.he@nokia.com](mailto:shane.he@nokia.com) |
| Vice-Chairs: | TaeHyun Kim, SynchTechno, [thyun.kim@synctechno.com](mailto:thyun.kim@synctechno.com)  Marianne Mohali, Orange, [marianne.mohali@orange.com](mailto:marianne.mohali@orange.com) |
| Secretary: | Peter J. Kim [pjk@tta.or.kr](mailto:pjk@tta.or.kr) |
| Meeting Date: | 2020-12-02 ~ 2020-12-18 |
| Intended purpose of  document: | Decision  Discussion  Information  Other <specify> |

oneM2M Notice

The document to which this cover statement is attached is submitted to oneM2M. Participation in, or attendance at, any activity of oneM2M, constitutes acceptance of and agreement to be bound by terms of the Working Procedures and the Partnership Agreement, including the Intellectual Property Rights (IPR) Principles Governing oneM2M Work found in Annex 1 of the Partnership Agreement.

1 Opening of the meeting

1.1 Welcome

Shane He, RDM Chair, opened the RDM46 meeting on 02 December 2020. Participants were advised to read the oneM2M legal notice on the cover page of the agenda.

1.2 Objectives

1.3 Schedule

1. 02 Dec (Wed) 12:00~15:00 UTC <https://global.gotomeeting.com/join/381745341>

2. 08 Dec (Tue) 12:00~15:00 UTC <https://global.gotomeeting.com/join/117309357>

3. 17 Dec (Thu) 12:00~13:30 UTC <https://global.gotomeeting.com/join/294498645>

2 Review & Approval of Agenda

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| [RDM-2020-0096](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32919&fromList=Y) | [RDM\_48 Agenda](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32919&fromList=Y) | RDM Chair |
| [RDM-2020-0097](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32921&fromList=Y) | [RDM48\_tdoc\_allocation](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32921&fromList=Y) | RDM Chair |

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

RDM-2020-0096 was AGREED

3 Review & Approval of Previous Minutes

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| [RDM-2020-0089](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32861&fromList=Y) | [RDM 47.1 Meeting Minutes](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32861&fromList=Y) | Secretary (Peter J. Kim) |

RDM-2020-0089 was AGREED.

4 Review of Open Action & WI Status

4.1 WI Status

WI-0015 - oneM2M Use Case Continuation

WI-0070 - Public Warning Service Enabler (approval at TP48)

WI-0084 - SDT based Information Model and Mapping for Vert. Ind. 95% (approval at TP48)

WI-0092 - Railway Domain Enablement 70%

WI-0094 - Ontologies for Smart City Services 40%

WI-0098 - IoT for Smart Lifts 40%

WI-0099 - Management Object Migration 50%

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 |  |
| 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 |  |
| 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) |  |
| TR-0026 | Vehicular Domain Enablement |  | 4.8.0 | 3.0.1 | Kenichi Yamamoto, KDDI |  |
| 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-2020-0090](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32881&fromList=Y) | [TS-0023-V4\_6\_0\_New\_baseline](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32881&fromList=Y) | Andrew Min-gyu Han (Hansung University) |

Comments/Issues: None

RDM-2020-0090 was AGREED

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| [RDM-2020-0098](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32946&fromList=Y) | [TS-0023\_Fixing missing changes](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32946&fromList=Y) | Orange |

Comments/Issues: Document RDM-2020-0099 contains all the missing changes mentioned in RDM-2020-0098. These missing changes have been applied to the new baseline in RDM-2020-0099 and since no comments were received for RDM-2020-0099, 0098 is also considered agreed.

RDM-2020-0098 was AGREED

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| [RDM-2020-0099](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32947&fromList=Y) | [TS-0023-V4\_6\_1\_New\_baseline](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32947&fromList=Y) | Andrew Min-gyu Han (Hansung University) |

Comments/Issues: None. All missing changes mentioned in RDM-2020-0098 have been applied.

RDM-2020-0099 was AGREED

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| [RDM-2020-0094](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32902&fromList=Y) | [IM\_3d\_display](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32902&fromList=Y) | Andrew Min-gyu Han (Hansung University) |

This CR to TS-0023 adds a 3D display device in the common domain. Error and typos fixed online.

RDM-2020-0094 was NOTED

RDM-2020-0094R01 was AGREED

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| [RDM-2020-0095](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32903&fromList=Y) | [IM\_3d\_scan](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32903&fromList=Y) | Andrew Min-gyu Han (Hansung University) |

This CR adds a 3D scanner device in the common domain. Defining of ‘dpi’ added as change 4.

RDM-2020-0095 was NOTED

RDM-2020-0095R01 was AGREED

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| [RDM-2020-0101](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33010&fromList=Y) | [TS-0023\_Adding\_Management\_Domain](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33010&fromList=Y) | Orange |

This CR to TS-0023 fills a gap for the entities (device, subdevices, modules, actions) defined in the Device Management clause. Expecting a new WI at the next meeting.

RDM-2020-0101 was AGREED

5.2 TR-0058 new baseline discussion

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| [RDM-2020-0091](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32882&fromList=Y) | [TR-0058-V0\_8\_0\_New\_baseline](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32882&fromList=Y) | Andrew Min-gyu Han (Hansung University) |

Comments/Issues: None

RDM-2020-0091 was AGREED

5.3 Rel.5 New Features

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| [RDM-2020-0092](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32885&fromList=Y) | [Discussion on abnormal IoT behaviour detection](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32885&fromList=Y) | KETI and Hyundai Motors |

This contribution initiates consideration to introduce an idle timer so that the system could check that a target IoT device is still working properly.

Suggestion was made on starting with developing new use cases.

RDM-2020-0092 was NOTED

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| [RDM-2020-0093](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32886&fromList=Y) | [Discussion on IoT devices and parts replacement](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32886&fromList=Y) | KETI and Hyundai Motors |

This contribution initiates consideration to introduce various information related to replacements that the IoT platform can provide.

Use case document will be drafted and shared within the group for further discussion.

RDM-2020-0093 was NOTED

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| [RDM-2020-0100](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32948&fromList=Y) | [Use case on device replacement](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32948&fromList=Y) | KETI & Hyundai Motors |

This use case introduces new set of information for the IoT service platform to manage a case where a device is replaced.

There was consensus that this contribution brings new ideas of discovery in other IoT domains. Further additional discovery will be needed.

Table 6.x.10-2 was removed and in its replacement the chair captured the discussion as “the oneM2M system shall support mechanisms to enable M2M device replacement procedure (e.g. triggering by events, meta data updating)” and decided to continue on with the discussion. Related contribution will be expected in the future.

RDM-2020-0100 was NOTED

RDM-2020-0100R01 was AGREED

5.4 TR-0061 email discussion

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| [RDM-2020-0086R02](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32878&fromList=Y) | [Smart City Ontologies for OneM2M](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32878&fromList=Y) | KETI |

Comments/Issues: No comment was received.

RDM-2020-0086R02 was AGREED

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| [RDM-2020-0087R02](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32874&fromList=Y) | [Examples for Gap Analysis](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32874&fromList=Y) | KETI |

Comments/Issues: No comment was received.

RDM-2020-0087R02 was AGREED

5.5 Other discussion

Release 5 Timeline discussion: proposed to move one more TP for Stage 1 freeze. (from TP50 t TP51)

6 Planning for next Meetings

6.1 Next Conference Calls

RDM#48.1, 11 Jan. 13:30~15:00 UTC

6.2 Face to Face Meetings

N/A

7 Any other business

7.1 TP Closing Report

No comments received.

8 Closure of meeting

The Chair thanked the participants and closed the meeting 17 December 13:30 UTC.