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| MINUTES | |
| Meeting title: | RDM #56 |
| 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: | Akash Malik ([akash@tsdsi.in](mailto:akash@tsdsi.in)) |
| Meeting Date: | 2022-09-26 to 2022-09-30 |
| 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 RDM 56 meeting on 27th September 2022. Participants were advised to read the oneM2M legal notice on the cover page of the agenda.

1.2 Objectives

1.3 Schedule

1. 2022-09-27 09:00 (CEST)

2. 2022-09-28 11:00 (CEST)

3. 2022-09-29 11:00 (CEST)

2 Review & Approval of Agenda

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| RDM-2022-0068 | RDM #56 Agenda | Chair |
| RDM-2022-0071 | RDM#56 Tdoc Allocation | Chair |

The RDM Document Allocation was updated throughout the technical plenary.

RDM-2022-0068 was AGREED.

RDM-2022-0071R02 was AGREED.

3 Review & Approval of Previous Minutes

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| RDM-2022-0063 | RDM #55 minutes | Secretary (Akash Malik) |

RDM-2022-0063 was AGREED.

4 Review of Open Action & WI Status

4.1 WI Status

WI-0015 - oneM2M Use Case Continuation (new baseline)

WI-0094 - Ontologies for Smart City Services -> 70%

WI-0098 - IoT for Smart Lifts -> 40%

WI-0101 – Advanced semantic discovery -> 60% (SDS will be leading now)

WI-0104 – SDT based information Model and Mapping for Vertical Industries – SIMVI -> 50%

WI-0105 - System enhancements to support AI capabilities -> 80%

WI-0109 - IPE-based Device Management with FlexContainers -> 60% (SDS will be leading now)

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 and Mapping for Vertical Industries | 5.2.0 (exp) | 4.10.0  (exp) |  | Andrew Min-gyu Han(Hansung Univ.) | 5.3.0 |

4.3 TR Status

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| **TR** | **Title** | **Rel-5** | **Rel-4** | **Rel-3** | **Rapporteur** | **Comment** |
| TR-0001 | Use Cases Collection | 5.0.0 | 4.4.0 | 3.1.1 | Massimo Vanetti (SBS), Shane He(Nokia) | 5.1.0 |
| TR-0058 | Railway Domain Enablement | - | 0.9.0 | - | Andrew Min-gyu Han(Hansung Univ.) | 100 % completed. |
| TR-0061 | Study on ontologies for Smart City Services | exp | 0.2.0 | - | InSong Lee, KETI | TBD |
| TR-0068 | AI enablement to oneM2M | 0.4.0 | 0.2.0 |  | JaeSeung Song (KETI) | 5.0.0 |

4.4 Action Items

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| Number | Action | Responsible | Status |
| Issue list of SDT | Review: [https://git.onem2m.org/issues/issues/-/issues?label\_name[]=RDM](https://git.onem2m.org/issues/issues/-/issues?label_name%5b%5d=RDM) | RDM | Closed |
| Mirror CRs for TS-0023 R4/R5 | [RDM-2022-0039](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34777&fromList=Y) | RDM | Closed |
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5 Contributions

5.1 Baseline Updates

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| RDM-2022-0066 | [TR-0001\_v5\_1\_0\_baseline](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35155&fromList=Y) | Nokia |

This contribution is the new baseline for TR-0001 Release 5.

RDM-2022-0066 is AGREED

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| [RDM-2022-0067](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34935&fromList=Y) | [TS-0002\_v5\_1\_0\_baseline](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35156&fromList=Y) | Nokia |

This contribution is the new baseline for TS-0002 Release 5 with two new requirements.

RDM-2022-0067 is AGREED

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| [RDM-2022-0064R01](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34935&fromList=Y) | [TR-0068\_v0\_6\_0\_baseline](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35153&fromList=Y) | Sejong University |

This contribution is the new baseline for TR-0068. It includes agreed contributions from RDM53 meeting. Members were requested to provide contributions to this TR by end of this year.

RDM-2022-0064R01 is AGREED

5.2 TS-0023 Discussion

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| [RDM-2022-0070](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34935&fromList=Y) | [Updating an elelctric motorcycle device information model](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35175&fromList=Y) | Hansung University, KETI |

This CR adds additional modules to a deviceElectricMotorcycle device information model. A revision was uploaded to update the multiplicity of battery.

RDM-2022-0070 was NOTED.

RDM-2022-0070R01 was AGREED

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| SDS-2022-0065 | [Adding a greenhouse environment controller](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35134&fromList=Y) | KETI, Hansung University |

This CR adds a greenhouse environment controller device to the agriculture domain.

Comment: Offline discussion is required.

Revision is expected

RDM-2022-0065 was NOTED

5.3 Rel. 5 features discussion

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| RDM-2022-0078 | [discussion\_on\_WI\_for\_Metaverse\_IoT](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35169&fromList=Y) | Hansung University |

This contribution proposed to initiate discussions on creating a new WI on Metaverse in IoT.

It was suggested that the new WI will lead to a new TR, CRs to existing TR-0023 and a new TS.

A new WI was submitted for discussion in 2nd session of RDM.

RDM-2022-0078 was NOTED.

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| RDM-2022-0080 | [WI\_proposal\_for\_Meta](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35194&fromList=Y) | Andrew Min-gyu Han (Hansung University) |

This contribution proposes a new WI for enabling Metaverse services on IoT. It was decided that a new TR and CRs to existing TS, TR will come out of this WI.

This WI was submitted to TP for approval.

RDM-2022-0080 was submitted to TP.

5.4 TS-0023 and TS-0037 alignment

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| RDM-2022-0069 | [TS-0023-V5\_3\_0\_New\_baseline](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35158&fromList=Y) | Hansung University |

This contribution is a new baseline for TS-0023 Release 5. A revision was uploaded with minor updates.

RDM-2022-0069 is NOTED.

RDM-2022-0069R01 AGREED

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| RDM-2022-0079 | [TS-0023-V4\_11\_0\_New\_baseline](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35193&fromList=Y) | Hansung University |

This contribution is a new baseline for TS-0023 Release 4. A revision was uploaded with minor updates.

RDM-2022-0079 is NOTED.

RDM-2022-0079R01 is AGREED.

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| RDM-2022-0072 | [TS-0037-V4\_0\_1\_New\_baseline](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35163&fromList=Y) | SyncTechno Inc. |

This contribution is a new baseline for TS-0037 Release 4.

RDM-2022-0072 was AGREED

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| [RDM-2022-0073](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34954&fromList=Y) | [Clarification on SDT maintenance](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35164&fromList=Y) | SyncTechno Inc. |

This CR adds a note in the TS-0037 v4.0.1 indicating that the SDT definitions of Public Safety Domain information model will be maintained in TS-0023 Release 4 and future releases.

RDM-2022-0073 is AGREED.

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| RDM-2022-0074 | [TS-0023 v4.10.0 add SDT defitions for Public Safety Domain](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35165&fromList=Y) | SyncTechno Inc. |

As per this CR, the SDT definitions of Public Safety Domain are moved from TS-0037 to TS-0023 Release 4.

RDM-2022-0074 was AGREED

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| RDM-2022-0075 | [TS-0023 v5.2.0 add SDT defitions for Public Safety Domain](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35166&fromList=Y) | SyncTechno Inc. |

As per this CR, the SDT definitions of Public Safety Domain are moved from TS-0037 to TS-0023 Release 5.

RDM-2022-0075 was AGREED

5.5 TR-0068

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| RDM-2022-0076 | [Key issue on sensor calibration](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35167&fromList=Y) | Sejong University, KETI |

This contribution proposes to introduce a key issue on sensor calibration.

A revision was uploaded update the text in section 8.x.2

RDM-2022-0076 was NOTED

RDM-2022-0076R01 was AGREED

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| RDM-2022-0077 | [Key issue on AI/ML model management](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35168&fromList=Y) | Sejong University, KETI |

This contribution proposes to introduce a key issue on AI/ML model engagement. It was decided invite SDS in the third session of RDM 56 to have a discussion on AI/ML.

RDM-2022-0077 was AGREED

6 Planning for next Meetings

6.1 Future TP Meetings

For information, TP #57 will be hybrid from 28 November to 02 December 2022.

6.2 Next Conference Calls

The next RDM e-meeting will be following

* **RDM#56.1 (2022-10-18 12:00 – 14:00 UTC)**
* **RDM#56.2 (2022-11-08 12:00 – 14:00 UTC),** a workshop on MetaIoT may be co-organized with this call.

7 Any other business

Timeline of WI-0094 on Ontologies for Smart City Services is to be updated.

7.1 TP Closing Report

Chair’s report draft was reviewed. The report was presented by RDM chair at the TP Closing Plenary.

8 Closure of meeting

The Chair thanked the participants and closed the meeting.