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| MINUTES |
| Meeting title: | RDM 55 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: | Akash Malik (akash@tsdsi.in), Michelle Kelley, ATIS, (mkelley@atis.org) |
| Meeting Date: | 2022-07-11, 2022-07-13, 2022-07-15 |
| Intended purpose ofdocument: | [x]  Decision[ ]  Discussion[ ]  Information[ ]  Other <specify> |

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1 Opening of the meeting

1.1 Welcome

Shane He, RDM Chair, opened the RDM55 meeting on 11th July 2022. Participants were advised to read the oneM2M legal notice on the cover page of the agenda.

1.2 Objectives

1.3 Schedule

1. 2022-07-11 14:30 (GMT)

2. 2022-07-13 10:00 (GMT)

3. 2022-07-15 12:30 (GMT)

2 Review & Approval of Agenda

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| RDM-2022-0057 | RDM #55 Agenda | WG1 Chairs |
| RDM-2022-0056 | RDM#55 Tdoc Allocation  | WG1 Chairs |

The RDM Document Allocation was updated throughout the technical plenary.

RDM-2022-0057 was AGREED.

RDM-2022-0056R03 was AGREED.

3 Review & Approval of Previous Minutes

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| RDM-2022-0050 | RDM #54.2 minutes | Secretary (Joey Lee) |

RDM-2022-0050 was AGREED.

4 Review of Open Action & WI Status

4.1 WI Status

WI-0015 - oneM2M Use Case Continuation (continue, new use cases)

WI-0104 - SDT based Information Model and Mapping for Vert. Ind. (Rel 5) -> 40%

WI-0105 - System enhancements to support AI capabilities -> 75%

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

WI-0098 - IoT for Smart Lifts -> 60%

WI-0109 - IPE-based Device Management with FlexContainers -> 80%

WI-0101 – Advanced Semantic Discovery -> 60%

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.) |  |

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) |  |
| 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  |  |
| TR-0068 | AI enablement to oneM2M | 0.4.0 | 0.2.0 |  | JaeSeung Song (KETI) |  |

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  | Open  |
| Mirror CRs for TS-0023 R4/R5 | [RDM-2022-0039](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34777&fromList=Y) | RDM  | Open  |
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5 Contributions

5.1 TS-0023 Discussion

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| [RDM-2022-0051](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34935&fromList=Y) | [Adding\_the\_remoteControlEnable\_Module\_to\_the\_deviceRobotCleaner\_Device\_mode](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34935&fromList=Y) | CMCC |

This CR adds a remoteControlEnable module to the deviceRobotCleaner model.

RDM-2022-0051 was AGREED.

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| SDS-2022-0052 | [Adding\_a\_new\_Device\_model\_deviceJuicer\_to\_TS-0023](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34936&fromList=Y) | CMCC |

This CR adds a new Device model deviceJuicer and a new ModuleClass blender.

It was suggested to modify the shortname for blender and addition of text to reflect reference. Revision is expected to fix editorial corrections suggested changes.

RDM-2022-0052 was NOTED

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| RDM-2022-0053 | [Adding\_a\_new\_Device\_model\_deviceShoesWasher\_to\_TS-0023](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34937&fromList=Y) | CMCC |

This CR adds a new device model deviceShoesWasher, a new module shoesWasherJobMode and an interpretation of hd:enumShoesWasherJobMode.

**A revision is expected** incorporating comments and suggestions.

RDM-2022-0053 was NOTED

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| RDM-2022-0055 | Adding\_an\_electric\_motorcycle\_device\_to\_TS-0023 | Hansung University, KETI |

This CR proposes an electric motorcycle information model.

RDM-2022-0055 was AGREED

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| RDM-2022-0045R01 | TS-0023\_PropertyNames\_rel-5 | Orange, DT (Cyrille) |

RDM-2022-0045R01 was AGREED

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| RDM-2022-0052R01 | Adding\_a\_new\_Device\_model\_deviceJuicer\_to\_TS-0023 | CMCC |

This document, RDM-2022-0052R001 includes edits, suggested during the 11 July 2022 RDM meeting, to update numbering, blender description, short name, and colors.

RDM-2022-0052R01 was AGREED.

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| RDM-2022-0053R01 | Adding\_a\_new\_Device\_model\_deviceShoesWasher\_to\_TS-0023 | CMCC |

This document, RDM-2022-0053R01, includes edits, suggested during the 11 July 2022 RDM meeting, to include references to deviceShoesWasher, with the shortname deSWr.

RDM-2022-0053R01 was AGREED.

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| RDM-2022-0040 | TS-0023-V4\_10\_0\_New\_baseline | Andrew Min-gyu Han (Hansung University) |

This contribution is the baseline for TS-0023 Rel.4 addressing comment from the SDT issue list as well as removing inconsistency between clear version and revision versions of TS document.

A revision was uploaded to align the file name on portal and in zip file.

Future baseline will address agreed CRs in this meeting.

RDM-2022-0040 was NOTED

RDM-2022-0040R01 was AGREED

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| RDM-2022-0041 | [TS-0023-V5\_2\_0\_New\_baseline](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34781&fromList=Y) | Andrew Min-gyu Han (Hansung University) |

This contribution is the baseline for TS-0023 Rel.5. addressing comment from the SDT issue list as well as removing inconsistency between clear and revision versions of TS document.

A revision was uploaded to align the file name on portal and in zip file.

Future baseline will address agreed CRs in this meeting.

RDM-2022-0041 was NOTED

RDM-2022-0041R01 was AGREED

5.2 TR-0068 discussion

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| RDM-2022-0054 | Key issue on data augmentation | Sejong University and KETI |

This contribution introduces a key issue on data augmentation. It was noted that the content highlights key issues as well as potential solutions. It was suggested to add more issues in the revision.

**Revision is expected.**

RDM-2022-0054 was NOTED.

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| RDM-2022-0054R01 | Key issue on data augmentation | Sejong University and KETI |

This document, presented by Sejong University, includes edits suggested during the 11 July 2022 RDM meeting. Section 8.2 “Key Issue & Possible Concept 1 – Data augmentation” was divided into two subsections.

RDM-2022-0054R01 was AGREED.

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| RDM-2022-0058R02 | Key issue on data labeling | Sejong University and KETI |

This document proposes a Key Issue on data labeling in Artificial Intelligence (AI) and Machine Learning (ML) and suggests possible solutions using semantics and ontology-related functions in IoT to save developers’ time and resources. Edits had also been made to correct typographical errors.

After discussion, two actions were suggested:

* It was suggested that this contribution consider using a single datalabel for multiple images as another possible solution.
* It was suggested that the author consider further methods of optimization.

It was noted that this contribution may be incorporated into Release 5 during stage 2, depending on the level of revision needed.

Revision Expected.

RDM-2022-0058R02 is NOTED.

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| RDM-2022-0058R03 | Key issue on data labeling | Sejong University and KETI |

In this revision, an editor note is added which addresses the comments from R02.

RDM-2022-0058R03 is AGREED

5.3 WI-0109 Discussion

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| RDM-2022-0017R02 | [Proposed\_changes\_to\_TS-0023\_for\_WI\_0109](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34955&fromList=Y) | Orange, Exacta, DT |

This document proposes changes to TS-0023. It was informed that the document RDM-2022-0017R01 was supposed to get approved under email approval process but did not achieve conclusion. It was further noted that an incorrect version of the document got uploaded as RDM-2022-0017R02 on the portal.

RDM-2022-0017R02 is NOTED.

Revision expected.

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| [RDM-2022-0025R02](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34954&fromList=Y) | [Proposed\_changes\_to\_TS-0033\_for\_WI\_0109](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34954&fromList=Y) | Orange, Exacta, DT |

This document proposes changes to TS-0033 for WI-0109. This document was presented for information only, as SDS is the leading group on this CR. Participants should join SDS meetings for further discussion or contact contributors directly with any feedback.

RDM-2022-0025R02 is NOTED.

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| RDM-2022-0017R03 | [Proposed\_changes\_to\_TS-0023\_for\_WI\_0109](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34955&fromList=Y) | Orange, Exacta, DT |

This revision is same as RDM-2022-0017R01 except addition of changes in clause 5.7 and minor typos corrections.

RDM-2022-0017R03 was AGREED

5.4 TS-0023 and TS-0037 open issues

The following CRs are related to the RDM issue list -

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| RDM-2022-0059 | TS-0037 Alignment with TS-0023 | SyncTechno |

This CR provides alignment between TS-0037 and TS-0023

RDM-2022-0059 was AGREED

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| RDM-2022-0060 | TS-0037 Correction of enumeartion values | SyncTechno |

This CR addresses the issue of correcting enumeration namespaces from pws to hd mentioned in the RDM issue list.

RDM-2022-0060 was AGREED

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| RDM-2022-0061 | TS-0023 v4.9.1 add Public Safety Domain clause | SyncTechno |

This CR adds a new clause – 5.3.10 Public Safety Domain to TS-0023 v4.9.1

RDM-2022-0061 was NOTED

New CR is expected with full content from TS-0037 for the newly added clause mentioned in RDM-2022-0061.

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| RDM-2022-0062 | TS-0023 v5.1.0 add Public Safety Domain clause | SyncTechno |

This CR adds a new clause – 5.3.10 Public Safety Domain clause to TS-0023 v5.1.0

RDM-2022-0062 was NOTED

New CR is expected with full content from TS-0037 for the newly added clause mentioned in RDM-2022-0062.

A new CR to TS-0037 is expected with the following for the open issue list -

* Adding a note in the scope of TS-0037 indicating that the SDT related content from Rel.4 and future release will be maintained in the TS-0023 for alignment.
* Move all SDT related content of TS-0037 to TS-0023.

6 Planning for next Meetings

6.1 Future TP Meetings

For information, TP #56 will be hybrid from 26 to 30 September 2022.

6.2 Next Conference Calls

The next RDM e-meeting will be following

* **RDM#55.1 (2022-09-13 12:00 – 14:00 UTC)**

7 Any other business

Release 5 timeline discussion and confirmation

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.