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| MINUTES | |
| Meeting title: | RDM 54 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: | Michael KIM [yjkim@tta.or.kr](mailto:yjkim@tta.or.kr) |
| Meeting Date: | 2022-05-11 and 05-12 |
| 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 RDM54 meeting on 11st May 2022. Participants were advised to read the oneM2M legal notice on the cover page of the agenda.

1.2 Objectives

None

1.3 Schedule

1. 2022-05-11 09:00 (UTC)

2. 2022-05-12 09:00 (UTC)

2 Review & Approval of Agenda

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| --- | --- | --- |
| RDM-2022-0034 | RDM #54 Agenda | WG1 Chairs |
| RDM-2022-0035 | RDM#54 Tdoc Allocation | WG1 Chairs |

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

RDM-2022-0034 was AGREED.

RDM-2022-0035 was AGREED.

3 Review & Approval of Previous Minutes

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| RDM-2022-0029R1 | RDM 53.2 minutes | Secretary (Joey Lee) |

RDM-2022-0029R1 was AGREED.

4 Review of Open Action & WI Status

4.1 WI Status

WI-0015 - oneM2M Use Case Continuation

WI-0094 - Ontologies for Smart City Services 70%

WI-0098 - IoT for Smart Lifts 40%

WI-0101 - Advanced semantic discovery 60%

WI-0104 - SDT based Information Model and Mapping for Vert. Ind. (Rel 5) 25%

WI-0105 - System enhancements to support AI capabilities 70%

WI-0109 - IPE-based Device Management with FlexContainers 30%

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** | **New** | **4.10.0** |  | **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** |  | **0.7.0** | **-** | **Andrew Min-gyu Han(Hansung Univ.)** |  |
| **TR-0061** | **Study on ontologies for Smart City Services** |  | **0.2.0** | **-** | **InSong Lee, KETI** |  |
| **TR-0068** | **AI enablement to oneM2M** |  | **0.2.0** |  | **JaeSeung Song (KETI)** |  |

4.4 Action Items

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

5 Contributions

5.1 Review the update of RDM #54 Joint session with SDS/TDE discussion

WI-0109 IPE related contributions in SDS

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| RDM-2022-0025R01 | Proposed\_changes\_to\_TS-0033\_for\_WI\_0109 | Orange, Exacta, DT |

R2 is expected to reflect comments and organize another Joint session with SDS.

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| SDS-2022-0061R01 | Proposed\_changes\_to\_TS-0001\_for\_WI\_0109 | Orange, Exacta, DT |

SDS will handle R02 etc no RDM action needed.

WI-0109 IPE related contributions in TDE

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| RDM-2022-0018 | Proposed\_changes\_to\_TR-0035\_for\_WI\_0109 | Orange, Exacta |

Propose to handle in TDE. No need to deal in RDM.

5.2 TR-0068/TS-0002 discussion

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| RDM-2022-0027 | use case on dataset creation for AI models | KETI |
| RDM-2022-0027R1 | use case on dataset creation for AI models | KETI |

This contribution introduces a new use case proposal for new capabilities for AI/ML model creation and prediction.

Comment/issue

* There are questions for clarification about historical data and newly stored data.

RDM-2022-0027 was NOTED.

RDM-2022-0027R1 was AGREED.

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| RDM-2022-0028 | requirements on dataset creation for AI models | KETI |
| RDM-2022-0028R1 | requirements on dataset creation for AI models | KETI |

This contribution introduces the new requirements proposal for new capabilities for AI/ML model creation and prediction.

RDM-2022-0028 was NOTED.

RDM-2022-0028R1 was AGREED.

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| RDM-2022-0032 | STF601\_requirements\_recommendations | Exacta |

This contribution proposes adding recommendations from STF601 relevant to AI enhancements

Comment/issue

* There is clarification about the status of STF 601.
* The presenter clarified that oneM2M based ontology is not the scope of this contribution.
* Need to cover all ontology including data centric, service centric and etc.

Off-line discussion is needed to clarify and address the best solution.

RDM-2022-0032 was NOTED. A revision is expected.

5.3 TR-0001 Discussion

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| RDM-2022-0036 | Smart Metering Use Cases | NSGM, TSDSI |

This contribution introduces additional use cases for Smart metering to facilitate wider coverage/acceptability.

Comment/issue

* Some editorial comment was made and questions for clarification about the requirement of current data from the operator’s perspective.

Email discussion is needed to clarify and find out how to address this aspect into TR-0001.

RDM-2022-0036 was NOTED. A revision is expected.

5.4 TR-0023 Discussion

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| RDM-2022-0031 | Adding\_a\_heater\_device\_to\_TS-0023 | Hasung University, KETI |

This contribution proposes a heater information model for remote control for small devices.

RDM-2022-0031 was NOTED.

RDM-2022-0031R1 was AGREED.

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| RDM-2022-0033 | TS-0023\_PropertyNames | Orange, DT (Cyrille) |

This contribution proposes to change the name of the property and fix the missing table.

The contributor is expected to mirror CR for R5.

RDM-2022-0033 was AGREED.

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| RDM-2022-0038 | new baseline of TS-0023 V4.9.1 (V4.10 expected) | Hasung University, KETI |

This new baseline is SDT-based Information Model and Mapping for Vertical Industries.

This new baseline R4 is to be published and the next version V.4.10 expected

RDM-2022-0038 was AGREED.

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| RDM-2022-0039 | [compare\_baselines\_TS-0023](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34777&fromList=Y) | Hasung University, KETI |

This contribution introduces a table comparing the release of each contribution.

Meeting agreed that R4 and R5 alignment is needed and reflected in the contributions.

The following Two action items are open for R5 to get email approval.

* RDM-2022-0001
* RDM-2022-0033

5.5 TR-0061 Discussion

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| RDM-2022-0037 | STF602\_Ontology\_observations | Exacta |

This contribution introduces the investigation of interoperability of SAREF device and SDT device and proposes some alignment between them.

Comment/issue

* Current oneM2M based ontology is not extendable.
* Future discussion is needed to address the target of semantic description.

Expect an off-line discussion review of 2 input contributions.

RDM-2022-0037 was NOTED. A revision is expected.

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| RDM-2022-0030 | introduction to existing smart city ontologies | KETI |

This contribution presents the introduction for the existing smart city ontologies studied in Clause 5.

Comment/issue

* It is proposed to change the text “some of those work regarding defining ontology” to clarify the intention.

RDM-2022-0030 was NOTED.

RDM-2022-0030R1 was AGREED.

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| RDM-2021-0050R02 | TR-0061-Addition of Common Ontology concept definitions and descriptions | KETI |

This contribution presents some of the major changes and additions to the definition and the elaboration of Common ontologies for Smart Cities. The changes include detailed discussions regarding the distinguishing features of concepts defined in Common ontology from a Smart city point of view.

2-week email approval process to get the agreement.

6 Planning for next Meetings

6.1 Future TP Meetings

For information, TP #55 will be virtual from 11 to 15 July 2022.

6.2 Next Conference Calls

The next RDM e-meeting will be following

* RDM#54.1 (2022-06-02 12:00 – 14:00 UTC)
* RDM#54.2 (2022-06-29 12:00 – 14:00 UTC)

7 Any other business

7.1 TP Closing Report

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

8 Closure of meeting

The Chair thanked the participants and closed the meeting on 12 May.