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| MINUTES |
| Meeting title: | RDM 53 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: | Michael KIM yjkim@tta.or.kr;Joey Lee joey2k@tta.or.kr |
| Meeting Date: | 2022-02-11 and 02-15 |
| 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 RDM53 meeting on 11st Feb 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. 2022-02-11 12:00 (UTC)

2. 2022-02-15 12:00 (UTC)

2 Review & Approval of Agenda

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| RDM-2022-0010 | [RDM\_53\_Agenda](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34518&fromList=Y) | RDM Chair |
| RDM-2022-0011 | [RDM53\_tdoc\_allocation](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34519&fromList=Y) | RDM Chair |
| RDM-2022-0011R1 | [RDM53\_tdoc\_allocation](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34519&fromList=Y) | RDM Chair |

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

RDM-2022-0010 was AGREED.

RDM-2022-0011 was NOTED.

RDM-2022-0011R1 was NOTED.

3 Review & Approval of Previous Minutes

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| [RDM-2022-0004](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34452&fromList=Y) | [RDM #52.2 Minutes](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34452&fromList=Y) | Secretary (Joey Lee) |

RDM-2022-0004 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

WI-0098 - IoT for Smart Lifts

WI-0101 - Advanced semantic discovery

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

WI-0105 - System enhancements to support AI capabilities

WI-0109 – IPE-based Device Management with FlexContainers (new)

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 |

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 TR-0068 discussion

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| RDM-2022-0008 | TR-0068 V0\_3\_0 baseline | KETI and Hyundai Motors |
| RDM-2022-0008R1 | TR-0068 V0\_3\_0 baseline | KETI and Hyundai Motors |

This document reflects the result of the previous meeting result. (RDM-2021-0078R1)

This document is updated to Revision 1 to correct the Draft history and updated in TR-0068, Use case #5 – Autonomous Operations using Automated Machine Learning.

RDM-2022-0008 was NOTED.

RDM-2022-0008R01 was AGREED.

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| RDM-2022-0007 | AI/ML use case collection from STF 601 | KETI and Exactagss |

This contribution introduces new use cases for supporting Automated Machine Learning. Proposer asked if the format of use case description is okay for oneM2M TR-0068.

Proposer revised based on comments from participants and presented during the 2nd session.

Comment/issue

* Bob has shared recent status of ETSI STF 601.
* Chair proposed a structure moving the text to Annex indicating it is defined by ETSI.

RDM-2022-0007 was AGREED.

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| RDM-2022-0006 | IoT device calibration using ML | KETI, Hyundai Motors, and EGM |
| RDM-2022-0006R01 | IoT device calibration using ML | KETI, Hyundai Motors, and EGM |
| RDM-2022-0006R02 | IoT device calibration using ML | KETI, Hyundai Motors, and EGM |

This contribution proposes to put the use case for supporting IoT device calibration using ML in TR-0068. Revision was presented based on the comments about “drift” and others.

Comment/issue

* Some more information from a mechanical perspective are needed to be described, including relationship with the term “drift”.
* The wording of first bullet of the potential requirements will be revised to highlight “calibration”.

RDM-2022-0006 was NOTED.

RDM-2022-0006R1 was NOTED.

RDM-2022-0006R2 was AGREED.

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| RDM-2022-0013 | AI\_ML\_Recommendations\_from\_STF\_601 | Exacta |
| RDM-2022-0013R1 | AI\_ML\_Recommendations\_from\_STF\_601 | Exacta |

This contribution introduces a summary of the use case analysis from STF 601. This provides useful setup and configuration of scenario.

Comment/issue

* Some acknowledged these contents are useful information for developing TR.
* chair proposed to double check informative contents and accept as Annex.

RDM-2022-0013 was NOTED.

RDM-2022-0013R1 was AGREED.

5.2 TR-0001 discussion

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| RDM-2022-0005 | Use case for IoT device calibration and adjustment | KETI, Hyundai Motors, and EGM |
| RDM-2022-0005R1 | Use case for IoT device calibration and adjustment | KETI, Hyundai Motors, and EGM |

This contribution introduces a new use case for supporting IoT device calibration via IoT service layer platform. Revision was presented with modifications regarding CO2 sensors and etc.

Comment/issue

* It is suggested to add some examples regarding the calibration range in the description part.
* Experts are agreed to discuss further whether it needs to affect to the oneM2M Specifications such as Architecture, Device management.
* A separate Use case for the group calibration is also needed in enterprise use case or another separate IoT group use case.

RDM-2022-0005 was NOTED.

RDM-2022-0005R1 was AGREED.

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| RDM-2022-0009 | Use case on vanishing IoT sensor | KETI, Hyundai Motors, and EGM |

This contribution introduces a new use case for vanishing IoT sensor.

Comment/issue

* Proposer and Massimo will discuss and share information about related works offline, and further contribution is expected.

RDM-2022-0009 was AGREED.

5.3 TS-0033 discussion

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| [RDM-2022-0012](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34531&fromList=Y) | [draft proposal adding SDT to TS-0033 Interworking Framework](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34531&fromList=Y) | Orange (Cyrille-Marianne) |

This contribution proposes TS-0033, Interworking Framework, include Device Management IPE-based using SDT and add clause 8 Device Management Operations.

Chair encouraged experts to review this document and comment to proposer. This document will be revisited at the next RDM meeting.

RDM-2022-0012 was NOTED.

5.4 TS-0023 discussion

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| RDM-2022-0014 | TS-0023-V4\_10\_0\_New\_baseline | Andrew Min-gyu Han (Hansung University) |

This new baseline of TS-0023-V4\_10\_0 is updated reflecting comments from issues tracker

NOTE: see link <https://git.onem2m.org/issues/issues/-/issues?scope=all&utf8=%E2%9C%93&state=opened&search=rdm>

Lengthy discussion was made for the reflection and revision with modification will be made by email and will reflect revision 11.

RDM-2022-0014 was NOTED.

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| RDM-2022-0015 | TS-0023-V5\_2\_0\_New\_baseline | Andrew Min-gyu Han (Hansung University) |

This new baseline of TS-0023-V5\_2\_0 is updated reflecting comments from issues tracker.

RDM-2022-0015 was NOTED.

6 Planning for next Meetings

6.1 Next Conference Calls

Next RDM e-meeting will be following

* RDM#53.1 (2022-04-04 12:00 – 14:00 UTC)
* RDM#53.2 (2022-04-26 12:00 – 14:00 UTC)

6.2 Face to Face Meetings

For information, TP #54 will be held in Dublin from 9 to 13 May 2022 as hybrid meeting.

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 15 Feb 14:50 UTC time.