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| MINUTES | |
| Meeting title: | TDE 62 |
| Chair: | Bob Flynn, Exacta GSS, [bob.flynn@exactagss.com](mailto:bob.flynn@exactagss.com) |
| Vice-Chairs: | Sherzod Elamanov, SyncTechno Inc., [elamanov@synctechno.com](mailto:elamanov@synctechno.com) |
| Secretary: | Michael KIM, TTA, [yjkim@tta.or.kr](mailto:yjkim@tta.or.kr) |
| Meeting Date: | 4~8 Dec 2023 – TTC, Japan |
| 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

Bob Flynn, Vice-Chair, opened the TDE 62 meeting on 5 Dec 2023. Participants were reminded to familiarize themselves with the participation notices.

1.2 Objectives

The objectives, as listed on the agenda, were reviewed.

1.3 Attendees

The official TP62 attendee list is available in the [TP #62 minutes.](https://member.onem2m.org/application/documentapp/documentlist/#:~:text=%C2%A0Actions-,TP%2D2023%2D0119R01,-Minutes%20TP62)

2 Review & Approval of Agenda

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| [TDE-2023-0047](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36421&fromList=Y) | [TDE 62 Agenda](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36421&fromList=Y) | TDE Chair |

TDE-2023-0047 was AGREED

The TDE Document Allocation ([TDE-2023-0048](https://member.onem2m.org/application/documentapp/documentlist/#:~:text=62%20%2D%207%20Dec-,TDE%2D2023%2D0048R01,-TP%2062%20document)R1) was reviewed and updates were made.

3 Review & Approval of Previous Minutes

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| [TDE-2023-0046](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36400&fromList=Y) | [TDE 61.3 minutes](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36400&fromList=Y) | Akash (TSDSI) |

TDE-2023-0046 was AGREED

4 Review of Open Action Item Status

None

5 Contributions

Tuesday – DAY1

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| [TDE-2023-0049](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36424&fromList=Y) | [oneM2M Open source software course](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36424&fromList=Y) | JaeSeung Song (SJU) |

This contribution shared the Open-source software design and implementation class in Sejong University. It includes oneM2M resource modeling tool, IoT technology, tutorials from open-source communities and Git tutorials. JaeSeung Song proposed demos of digital twin application during TDE session.

TDE-2023-0049 was NOTED

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| [TDE-2023-0045](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36370&fromList=Y) | [oneM2M Architecture Icons](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36370&fromList=Y) | Andreas Kraft (DT), Andreas Neubacher (DT) |

This contribution proposes architecture icons for use in oneM2M presentations, drawings etc.

Andreas Kraft and chair insist to use this for branding of oneM2M.

TDE-2023-0045 was NOTED

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| [TP-2023-0095](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36327&fromList=Y) | [Industry Adoption and Future Roadmap of oneM2M](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36327&fromList=Y) | GCF IAG |

This liaison statement from GCF IAG ask to get oneM2M TP’s opinion on the market adoption of oneM2M Releases regarding certification declarations for Release 2 and the prospects of later oneM2M Releases (Release 3, 4, 5) being adopted.

Char made a note based on the discussion and comments from floor. He will make outgoing liaison base on the discussion and present it during closing TP.

TP-2023-0095 was NOTED

**Thursday - DAY2**

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| [TDE-2023-0043R02](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36442&fromList=Y) | [TP covering requestaggregation attribute](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36442&fromList=Y) | Akash, TSDSI |

This contribution proposes to use as test purposes for the *requestaggregation* attribute of the polling channel resource. There is discussion about initial conditions and revise it during the session.

TDE-2023-0043R02 was NOTED

TDE-2023-0043R03 was AGREED

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| [TDE-2023-0052](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36456&fromList=Y) | [TS-0019-Adaptation\_from\_converted\_version\_R4](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36456&fromList=Y) | Miguel Angel Reina Ortega (ETSI) |

This contribution proposes to have some adaptations from the converted version 2.8.0.

There is short demo by Miguel to use GibLab that we starting to use it for less work. You can find the reference at <https://git.onem2m.org/specifications/ts-0019/-/commit/5849bc268a3b5e2d547579ebd6f6bf6e62532e9a>

TDE review 3 documents (TDE-2023-0050, 51, 52) presented by Miguel and keep review if there is discrepancy between word in portal and GitLab.

Chair insist to practice using Gitlab for reviewing process for markdown.

TDE-2023-0052 was AGREED

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| [TDE-2023-0051](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36455&fromList=Y) | [TS-0019-Adaptation\_from\_converted\_version\_R3](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36455&fromList=Y) | Miguel Angel Reina Ortega (ETSI) |

This contribution proposes to have some adaptations from the converted version 3.4.0.

TDE-2023-0051 was AGREED

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| [TDE-2023-0050](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36454&fromList=Y) | [TS-0019-Adaptation\_from\_converted\_version\_R2](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36454&fromList=Y) | Miguel Angel Reina Ortega (ETSI) |

This contribution proposes to some adaptations from the converted version 4.0.0.

TDE-2023-0030 was AGREED

Friday – DAY3

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| [TDE-2023-0055](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36483&fromList=Y) | [Digital Twin PoC](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36483&fromList=Y) | Sejong University (Jungmin Lee, JaeSeung Song) |

This contribution introducing an elevator digital twin system using oneM2M. It includes overview, data obtained method, oneM2M resource tree, visualization etc.

TDE-2023-0055 was NOTED

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| [DE-2023-0054](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36481&fromList=Y) | [oneM2M data model design tool](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36481&fromList=Y) | Sejong University (Joosung Kim, Jeonghun Shin, JaeSeung Song) |

This contribution introducing oneM2M data model design tool and showing demonstration.

TDE-2023-0054 was NOTED

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| [TDE-2023-0053](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36473&fromList=Y) | [Draft\_Reply\_LS\_to\_GCF-IAG](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36473&fromList=Y) | TDE Chair |

The chair presented outgoing liaison statement depicting all the discussion during TDE meeting. The updated version will be present in TP plenary.

TDE-2023-0053 was NOTED

6 Planning for next Meetings

6.1 Face-to-Face Meetings

* TP#62 Feb. 26 – Mar 1, 2024, hyb, NBnetzA, Mainz, Germany

6.2 Next Conference Calls

* TP#62.1: 18 Jan 2024 (THU) 12:00 – 13:00 UTC
* TP#62.2: 01 Feb 2024 (THU) 12:00 – 13:00 UTC
* TP#62.3: 15 Feb 2024 (THU) 12:00 – 13:00 UTC

7 Any other business

* Issues
  + Discussion about converting documents to markdown.

Other TDE responsibilities that we need to progress:

* Next Hackathon planned for Fall 2024
* Next Interop session
  + We need to update the Testing spec. A copy of R3 was made and never updated.
* Other activities: support of ACR, other?

TDE Work Item Updates

* + WI-0086 Conformance Test Spec Rel-4
  + WI-0103 oneM2M API guide Rel-3
  + WI-0106 Interoperability testing Rel-4
  + WI-0107 Developers guides series
  + WI-0108 Conformance Test Maintenance
  + WI-0111 oneM2M Architecture Icons

8 Closure of meeting

The TDE 62 meeting ended on 8 Dec 2023.