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| MINUTES | |
| Meeting title: | SDS 67.1 |
| Chair: | Peter Niblett, IBM, [peter\_niblett@uk.ibm.com](mailto:peter_niblett@uk.ibm.com) |
| Vice-Chairs: | SeungMyeong Jeong, KETI, [sm.jeong@keti.re.kr](mailto:sm.jeong@keti.re.kr)  Wei Zhou, CICT, [zhouwei@catt.cn](mailto:zhouwei@catt.cn) |
| Secretary: | Akash Malik, [akash@tsdsi.in](mailto:akash@tsdsi.in) |
| Meeting Date: | 02 Dec 2024 |
| 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

Peter Niblett, Chair, opened the SDS 67.1 meeting on 02 December 2024. Participants were reminded to familiarize themselves with the participation notices.

1.2 Objectives

* Review contributions submitted for SDS 67.1 and earlier meetings
* Progress the outstanding issue backlog

2 Review & Approval of Agenda

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| [SDS-2024-0151R01](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=37287&fromList=Y) | [Agenda SDS 67.1](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=37287&fromList=Y) | SDS Chair |

SDS-2024-0151 was AGREED

3 Review & Approval of Previous Minutes

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| [SDS-2024-0150](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=37268&fromList=Y) | [Minutes SDS 67](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=37268&fromList=Y) | Karen Hughes & Michael Kim, Secretariat |

Peter shared the comments with Karen and Michael.

Contributions SDS-2024-135R01 and SDS-2024-142R02 were agreed in the meeting but were marked as ‘Draft’ in the minutes and on the portal.

Revision Required.

4 Review of Open Action and Issue Status

Priority actions are marked with a \*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Number** | **Action** | | | **Responsible** | **Status** | |
| A-SDS-39-01 | | TS-0004, clause 8.4.3 – investigate example 3 when an intermediary resource doesn’t have access privilege | Peter | | | SDS-2019-0344  SDS-2019-0302  SDS-2019-0186  Bob has provided a discussion in [SDS-2023-0236](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=36448&fromList=Y) |
| A-PRO-26-01 \* | | Register CoAP codes with IANA | Peter & Miguel | | | CoAP codes have now been changed to answer question from IANA expert.  IANA expert has replied saying that long CoAP option values do not work too well and has suggested some alternatives.   TS-0008 v5 changes have been agreed   * Miguel to proceed with IANA registration (R2..R4) * Numeric values for CoAP media codes also need to be registered with IANA |
| A-SDS-62-01 | | Need a CR to add call flows in TS-0001 to explain the order in which the SSP-related resources get created and a CR to TS-0004 adjust the text in clause 7.4.20 to match that. | Bob and Poornima | | |  |
| A-SDS-64-01 | | 1. Merge contribution into TS-0022 V4.6 and V5.0  2. Resolve open comments from ETSI Edit Help and merge into 4.6 and 4.5 | Poornima | | | Not able to locate contributions on portal for the changes. |

The issue tracker can be found at <https://git.onem2m.org/issues/issues/issues>

Some matters arising from issue review at SDS 61.1 and 61.3:

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| **Issue** | **Discussion** | **Resolution** |
| **4** | Consensus reached already. Bob has volunteered to create the CRs | LEFT OPEN  CRs needed |
| **6** | Related to TS-0004 and Issue #123  Additional discussions will occur, and a CR will be created. | LEFT OPEN |
| **22** | To be added to the next TS-0009 baseline – action for SeungMyeong | LEFT OPEN |
| **24** | TS-0009 has not been updated yet | LEFT OPEN |

5 Latest SDS Baselines

Updates to the latest baseline versions are noted below:

|  |  |  |  |  |  |  |  |  |
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| **TS** | **Title** | **Rel-5** | **Rel-4** | **Rel-3** | **Rel-2** | **Rel-1** | **Rapporteur** | **Comment** |
| TS-0001 | Functional Architecture |  | [5.6.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36974&fromList=Y) | [4.22.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36974&fromList=Y) | [3.35.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36774&fromList=Y) | [2.36.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36556&fromList=Y) | SeungMyeong (KETI) | Baseline for 2.37 deferred until we have some CRs against R2 [SDS-2024-0029](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=36663&fromList=Y)  **New baselines to be uploaded to WPM** [**SDS-2024-0124**](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=37087&fromList=Y)[**SDS-2024-0125**](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=37088&fromList=Y) **(not yet uploaded on WPM)** |
| TS-0003 | Security Solutions |  |  | [4.8.1](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36602&fromList=Y) | [3.17.1](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36603&fromList=Y) | [2.21.1](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36604&fromList=Y) | Wei (Datang) | **New R5 baseline for review**  [**SDS-2024-0140**](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=37190&fromList=Y)  **(not yet uploaded on WPM)** |
| TS-0004 | Core Protocol |  |  | [4.20.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36884&fromList=Y) | [3.32.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36772&fromList=Y) | [2.35.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36771&fromList=Y) | Peter (IBM) |  |
| TS-0005 | Management Enablement (OMA) |  |  | [4.0.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30113&fromList=Y) | [3.5.1](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=21712) | [2.0.2](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=18459) | Vacant | **Baseline for 4.0.3 to be uploaded to WPM -** [**SDS-2024-0149R01**](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=37250&fromList=Y) |
| TS-0006 | Management Enablement (BBF) |  |  | [4.0.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30160&fromList=Y) | [3.6.2](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=19808) | [2.2.1](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=18611) | Vacant | **New 4.0.1 baseline to be uploaded to WPM -** [**SDS-2024-0145**](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=37212&fromList=Y)  **(not yet uploaded on WPM)** |
| TS-0007 | Service Components |  |  | - | - | [2.0.2](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=5219) | - | Discontinued |
| TS-0008 | CoAP Binding |  | [5.0.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36931&fromList=Y) | [4.5.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36186&fromList=Y) | [3.9.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36185&fromList=Y) | [2.13.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36184&fromList=Y) | Peter (IBM) |  |
| TS-0009 | HTTP Binding |  |  | [4.5.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36336&fromList=Y) | [3.9.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36335&fromList=Y) | [2.21.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34552&fromList=Y) | SeungMyeong (KETI) | **New R5 baseline needed** |
| TS-0010 | MQTT Binding |  |  | [4.0.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35384&fromList=Y) | [3.1.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32184&fromList=Y) | [2.10.0](../../../../../../TP48/TS-0010) | Peter (IBM) |  |
| TS-0014 | LWM2M Interworking |  |  | [4.0.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35386&fromList=Y) | [3.2.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32895&fromList=Y) | [2.1.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32894&fromList=Y) | Dale (Convida) | **New 4.0.1 baseline to be uploaded to WPM -** [**SDS-2024-0144**](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=37205&fromList=Y) |
| TS-0016 | Secure Environment Abstraction |  |  | [4.0.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35755&fromList=Y) | [3.0.2](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=27187) | - | Colin (BT) |  |
| TS-0020 | WebSocket Binding | In Progress |  | [4.0.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35387&fromList=Y) | [3.0.1](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=29321) | [2.3.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=28780&fromList=Y) | Bob (Exacta) |  |
| TS-0021 | AllJoyn Interworking |  |  | - | - | [2.0.1](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=26333&fromList=Y) | SeungMyeong (KETI) | Discontinued |
| TS-0022 | Field Device Configuration |  | [5.0.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36729&fromList=Y) | [4.6.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36891&fromList=Y) | [3.3.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36890&fromList=Y) | [2.7.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36889&fromList=Y) | C-DOT | **New R5 baseline needed** |
| TS-0024 | OCF Interworking |  |  | [4.0.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35756&fromList=Y) | [3.2.2](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=27971) | [2.0.2](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=26336&fromList=Y) | Josef (Qualcomm) |  |
| TS-0026 | 3GPP Interworking |  |  | [4.7.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35587&fromList=Y) | [3.5.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32186&fromList=Y) | - | Peter |  |
| TS-0030 | Ontology Based Interworking |  |  | [4.0.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35397&fromList=Y) | [3.0.2](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=26806) | - | Bob (Exacta) |  |
| TS-0032 | MAF/MEF Interface |  |  | [4.0.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35398&fromList=Y) | [3.0.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=29322) | [2.1.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=25064&fromList=Y) | Colin (BT) |  |
| TS-0033 | Interworking Framework |  | [5.0.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35552&fromList=Y) | [4.0.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35399&fromList=Y) | [3.0.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=20678) | - | Vacant |  |
| TS-0034 | Semantics Support |  |  | [4.2.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=30054) | [3.0.2](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30169&fromList=Y) | - | CG (Convida) |  |
| TS-0035 | OSGi Interworking |  |  | [4.0.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35757&fromList=Y) | [3.0.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=23506) | - | Jason (Huawei) |  |
| TS-0040 | Modbus Interworking |  |  | [4.0.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35378&fromList=Y) | - | - | JaeSeung (Sejong university) |  |
| TS-0041 | SensorThings interworking | [5.0 - doc](https://git.onem2m.org/specifications/ts-0041/-/blob/7026842ee1b9beff4ae87525805bf56f20c93a80/TS-0041-oneM2M-SensorThings_interworking.md) [5.0 - history](https://git.onem2m.org/specifications/ts-0041/-/network/v5.0.0) |  |  |  |  | Andreas Neubacher (DT) |  |

Updates to the XSDs are noted below:

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| **XSD Type** | **Git Repo** | **Rel-4** | **Rel-3** | **Rel-2** | **Rel-1** | **Rapporteur** | **Comment** |
| TS-0004 | [**link**](https://git.onem2m.org/PRO/XSD) | [v4.20.0](https://git.onem2m.org/XMLSchemas/ts-0004/-/tree/4.20.0) | [v3.31.0](https://git.onem2m.org/PRO/XSD/-/tree/master/v3_31_0) | [v2.35.0](https://git.onem2m.org/PRO/XSD/-/tree/0012fb31be0ff6b1cac35577df5b82f882ed7b7d/v2_35_0) | [v1.12.0](https://git.onem2m.org/PRO/XSD/tree/master/v1_12_0) | Miguel (R4)  Peter (R2,R3) | Need new XSDs for 3.32 |
| TS-0022 (Field Device) | [**link**](https://git.onem2m.org/MAS/FDC/tree/master) | [v4.5.0](https://git.onem2m.org/XMLSchemas/ts-0022/-/tree/4.5.0) | [v3.2.0](https://git.onem2m.org/XMLSchemas/ts-0022/-/tree/3.2.0) | [v2.6.0](https://git.onem2m.org/XMLSchemas/ts-0022/-/tree/2.6.0) | - | **TBD** | Compatible with CDT schemas v2.16.0 |
| TS-0032 (MEF/MAF) | [**link**](https://git.onem2m.org/SEC/MAF-MEF/tree/master) | - | - | [v2.1.0](https://git.onem2m.org/SEC/MAF-MEF/tree/master/v2_1_0) | - | **TBD** | Compatible with CDT schemas v2.16.0  New R2, R3 and R4 baselines needed that incorporate latest TS-0032  Peter will be working on it. |
| TS-0023 (SDT based Information Model and Mapping for Vertical Industries) | [**link**](https://git.onem2m.org/MAS/Home-Appliances) | - | [V3.7.0](https://git.onem2m.org/MAS/Home-Appliances/tree/master/3.7.0) | - | - | Andreas | FlexContainer specializations based on SDT mapping rules  Need 4 XSDs  Andreas will be looking into it. |
| TS-0005 (OMA) | [**link**](https://git.onem2m.org/MAS/OMA-DM) | - | [v3.0.0](https://git.onem2m.org/MAS/OMA-DM/tree/master/Rel-3) | [v2.0.0](https://git.onem2m.org/MAS/OMA-DM/tree/master/Rel-2) | - | **TBD** | Device Description Framework (DDF) of Management Objects defined in oneM2M TS-0005  Further investigation is needed to determine what updates (if any) are needed.  Peter will be looking into it. |

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| **TR** | **Title** | **Rel-5 Git** | **Rel-5** | **Rel-4** | **Rel-3** | **Rel-2** | **Rapporteur** | **Comment** |
| TR-0024 | 3GPP Interworking |  |  | [4.3.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=30063) | [3.0.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=29765&fromList=Y) | [2.4.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=13085) | Vacant | Complete (R4) |
| TR-0033 | Enhanced Semantic Enablement |  |  | [4.5.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=31093&fromList=Y) | [3.0.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=19525) | - | Xu (Convida) | Complete (R4) |
| TR-0036 | Smart City |  | [0.4.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=31042&fromList=Y) | - | - | - | SeungMyeong (KETI) | Not ready to publish |
| TR-0041 | Decentralized Authentication |  | [0.4.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=26293&fromList=Y) | - | - | - | Vacant | Not ready yet |
| TR-0042 | WoT Interworking |  |  | - | [0.4.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=26945&fromList=Y) | - | Yongjing (Huawei) |  |
| TR-0043 | Modbus Interworking |  |  | - | [0.2.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30112&fromList=Y) | - | JaeSeung (Sejong university) | Replaced by TS-0040  Version number not correct JaeSeung to check |
| TR-0044 | Heterogeneous Identification |  |  | - | [0.6.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=31631&fromList=Y) | - | Yuan Tao (CNIC) |  |
| TR-0050 | Attribute Based Access Control |  |  | [0.13.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=26548) | - | - | Wei (Datang) |  |
| TR-0052 | Edge and Fog Study |  |  | [0.13.1](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32633&fromList=Y) | - | - | Vacant |  |
| TR-0053 | Lightweight oneM2M Services |  |  | [0.6.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=31776&fromList=Y) | - | - | Dale (Convida) |  |
| TR-0054 | Service Subscribers and Users |  |  | [0.8.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32207&fromList=Y) | - | - | Dale (Convida) | Complete |
| TR-0055 | 3GPP V2X Interworking |  |  | [0.5.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=26533) | - | - | Echo (Huawei) | WI has been terminated. Does this TR need to be published ? |
| TR-0056 | Differences of Rel-2A & Rel-3 |  |  | - | [0.2.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=29075&fromList=Y) | - | Kei (NTT) | Complete |
| TR-0060 | Action triggering enhancements |  |  | [0.2.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=31043) | - | - | SeungMyeong (KETI) | Completed – need to update version number to reflect that |
| TR-0062 | oneM2M System Enhancement to Support Privacy Data Protection Regulations |  | [0.4.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35483&fromList=Y) | - | - | - | JaeSeung (KETI) | 0.4.0 revision contains RDM changes only |
| TR-0063 | Effective IoT Communication to Protect 3GPP Networks | In progress | [0.0.1](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=31370&fromList=Y) | - | - | - | Bob Flynn (Exacta) |  |
| TR-0064 | ZigBee Interworking |  | [0.1.0](https://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=31685) | - | - | - | JaeSeung (KETI) |  |
| TR-0065 | SensorThings API Interworking |  | [0.4.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36304&fromList=Y) | - | - | - | Andreas Neubacher (DT) |  |
| TR-0066 | System Enhancement to Support Data License Management |  | [0.4.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35375&fromList=Y) | - | - | - | JaeSeung (KETI) |  |
| TR-0070 | Enhanced Filtering and Queries | In progress |  |  |  |  | Andreas Kraft |  |
| TR-0071 | AI enablement to oneM2M (Stage 2) |  | [0.0.1](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=36011&fromList=Y) |  |  |  |  |  |
| TR-0076 | Integrating NGSI-LD API in oneM2M | In progress |  |  |  |  | Martin Bauer (NEC) |  |

URN Wiki page - <https://wiki.onem2m.org/index.php?title=OneM2M_URN_Namespace>

5.1 Contributions

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| [SDS-2024-0137R01](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=37191&fromList=Y) | [Issues with the use of Evaluation Criteria](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=37191&fromList=Y) | Andreas Kraft (Exacta) |

This contribution discussed the problem with evalCriteria and its possible solutions.

Revision is expected.

SDS-2024-0137R01 was Noted

7 Planning for next Meetings

7.1 Conference Calls Schedule

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| **Meeting** | **Date** | **Time (UTC)** |
| SDS 67.2 | Mon 9 Dec 2024 | 09:00-10:30 |
| SDS 67.3 | Mon 13 Jan 2025 | 09:00-10:30 |
| SDS 67.4 | Mon 20 Jan 2025 | 09:00-10:30 |

7.2 Next TP Meeting

TP 68 New Delhi, India Feb 10th to 14th.

8 Any other business

None

9 Closure of meeting

SDS 67.1 ended at 09:30 (UTC).