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| MINUTES |
| Meeting title: | SDS 54.2 |
| Chair: | Peter Niblett, IBM, peter\_niblett@uk.ibm.com |
| Vice-Chairs: | SeungMyeong Jeong, KETI, sm.jeong@keti.re.kr Wei Zhou, CICT, zhouwei@catt.cn Poornima Shandilya, C-DOT, poornima@cdot.in |
| Secretary: | Victoria Mitchell, TIA, vmitchell@tiaonline.org   |
| Meeting Date: | 9 June 2022 |
| Intended purpose ofdocument: | [x]  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 SDS54.2 meeting on 9 June 2022 12:04 (UTC). 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 attendees, as captured by GoToMeeting were:

Andreas Kraft, andreas.kraft@t-systems.com

Andreas Neubacher, andreas.neubacher@magenta.at

Francisco Silva (Huawei), francisco.dasilva@huawei.com

Jörg Schneider (BNetzA)

Marianne Mohali, marianne.mohali@orange.com

Miguel Angel Reina Ortega, miguelangel.reinaortega@etsi.org

Peter Niblett, peter\_niblett@uk.ibm.com

Poornima Shandilya, poornima@cdot.in

Rana Kamill (BT Plc), rana.kamill@bt.com

Roland Hechwartner (DT), roland.hechwartner@magenta.at

Wei Zhou, zhouwei@catt.cn

Victoria Mitchell, vmitchell@tiaonline.org

2 Review & Approval of Agenda

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| [SDS-2022-0102](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=34889&fromList=Y) | [Agenda SDS 54.2](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=34889&fromList=Y) | SDS Chair |

SDS-2022-0102 was AGREED

3 Review & Approval of Previous Minutes

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| [SDS-2022-0098R01](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=34886&fromList=Y) | [Minutes SDS54.1](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=34886&fromList=Y) | Karen Hughes, ETSI |

SDS-2022-0098R01 was agreed after a 7-day electronic review.

4 Review of Open Action and Issue Status

The issues recorded on the issue tracker (<https://git.onem2m.org/issues/issues/issues>) were reviewed and updated.

Updates to the open action items are noted below:

| **Number** | **Action** | **Responsible** | **Status** |
| --- | --- | --- | --- |
| A-SDS-50.1-01 | In TS-0004 clause 7.3.2.1 we need to agree how a Registrar or Hosting CSE determines the relevant service subscription resources and accesses these resources and what privileges are required if they are not provisioned and stored locally.   | Convida  | First part has been done -see SDS-2022-0027R01-TS-0004\_SSP-AEID-LinkStill need to address the second part (privileges required)  |
| A-SDS-49-01 | In TS-0004 clause 7.4.22.2.0 (PollingChannelURI) – Need to firm up if Error needs to be generated for Notify scenario or not.  Currently Notify functionality is defined in clause 7.4.22.2.5 and further analysis is needed to determine what scenario this applies to and if it is valid. | Bob | Bob to look at this as part of SDS-2021-0274 |
| A-SDS-44.1-01 \* | Check the strategy with the flexContainer instance functionality and firm up the schema definitions versus the flexContainerOnce the schema strategy is firmed up need to revisit latest and oldest functionality of the flexContainer | Marianne | Are there any lingering questions/issues with latest and oldest functionality? |
| A-SDS-43-01 | For TS-0004, look to add a procedure to clarify when to return NOT\_IMPLEMENTED status code when a request for an unsupported resource type or parameter is received.  | Peter |  |
| A-SDS-42-01 \* | As it relates to contribution SDS-2019-0475R01, look at implications of aggregated responses with respect to primitive profile | Convida | In he  |
| A-SDS-39.1-1 | Need to add support for notify response in clause 8.1.2 in TS-0001 to indicate additional RCN values in the notification response | Convida |  |
| A-SDS-39-01  | TS-0004, clause 8.4.3 – investigate example 3 when an intermediary resource doesn’t have access privilege | Peter | SDS-2019-0344SDS-2019-0302SDS-2019-0186Bob & Peter will go through these contributions and report back  |
| A-PRO-26-01 \* | Register CoAP codes with IANA | Peter & Miguel | At SDS44, Peter prepared a contribution which is still under discussionSDS-2020-0065R01Reviewed at SDS45Peter will check this contribution and allocate to future meeting |
| A-PRO-24.2-01 | Provide more information on SPARQL errors  | Bob & SeungMyeong | Bob will look through the errors and try to resolve the issue |

5 Latest SDS Baselines

Updates to the latest baseline versions are noted below:

| **TS** | **Title** | **Rel-4** | **Rel-3** | **Rel-2** | **Rel-1** | **Rapporteur** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| TS-0001 | Functional Architecture | [4.14.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34648&fromList=Y) | [3.27.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34647&fromList=Y) | [2.32.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34456&fromList=Y) | [1.18.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=12297) | Marianne(Orange) | New baselines for review[SDS-2022-0086R01](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=34871&fromList=Y)V 3.28 has been approved |
| TS-0003 | Security Solutions | [4.6.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34191&fromList=Y) | [3.15.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33816&fromList=Y) | [2.19.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34689&fromList=Y) | [1.7.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=11339) | Wei (Datang) | New baselines awaiting Peter’s review |
| TS-0004 | Core Protocol | [4.9.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34618&fromList=Y) | [3.24.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34438&fromList=Y) | [2.31.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34437&fromList=Y) | [1.13.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=2998) | Peter (IBM) | New baselines for review[SDS-2022-0104](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=34891&fromList=Y)[SDS-2022-0105](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=34892&fromList=Y) |
| 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) | [1.4.1](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=4635) | Vacant |  |
| 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) | [1.1.4](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=4659) | Vacant |  |
| TS-0007 | Service Components | - | - | [2.0.2](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=5219) | - | - |  |
| TS-0008 | CoAP Binding | [4.2.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34132&fromList=Y) | [3.6.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32587&fromList=Y) | [2.10.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=31084&fromList=Y) | [1.6.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=21632) | Dale (Convida) | New baselines required |
| TS-0009 | HTTP Binding | [4.4.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34550&fromList=Y) | [3.8.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34551&fromList=Y) | [2.20.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34552&fromList=Y) | [1.10.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=13986) | SeungMyeong (KETI) |  |
| TS-0010 | MQTT Binding | - | [3.1.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32184&fromList=Y) | [2.10.0](../../../../../../../TP48/TS-0010) | [1.8.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=26485&fromList=Y) | Peter (IBM) |  |
| TS-0014 | LWM2M Interworking | - | [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) |   |
| TS-0016 | Secure Environment Abstraction | - | [3.0.2](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=27187) | - | - | Colin (BT) |  |
| TS-0020 | WebSocket Binding | - | [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) |  |
| TS-0022 | Field Device Configuration | [4.3.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34724&fromList=Y) | [3.1.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34723&fromList=Y) | [2.5.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34722&fromList=Y) | - | C-DOT |  |
| TS-0024 | OCF Interworking | - | [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 | [4.6.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33174&fromList=Y) | [3.5.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32186&fromList=Y) | - | - | Vacant |  |
| TS-0030 | Ontology Based Interworking | - | [3.0.2](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=26806) | - | - | Vacant |  |
| TS-0032 | MAF/MEF Interface | - | [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) | New baselines required |
| TS-0033 | Interworking Framework | - | [3.0.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=20678) | - | - | Josef (Qualcomm) |  |
| 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 | - | [3.0.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=23506) | - | - | Jason (Huawei) |  |
| TS-0040 | Modbus Interworking | [0.1.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32500&fromList=Y) | - | - | - | JaeSeung (KETI) |  |

Updates to the XSDs are noted below:

| **XSD Type** | **Git Repo** | **Rel-4** | **Rel-3** | **Rel-2** | **Rel-1** | **Rapporteur** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| TS-0004 | [link](https://git.onem2m.org/PRO/XSD) | - | [v3.24.0](https://git.onem2m.org/PRO/XSD/-/tree/master/v3_24_0) | [v2.31.0](https://git.onem2m.org/PRO/XSD/-/tree/master/v2_31_0) | [v1.12.0](https://git.onem2m.org/PRO/XSD/tree/master/v1_12_0) | Peter | New R4 baseline awaiting Peter’s review |
| TS-0022 (Field Device) | [link](https://git.onem2m.org/MAS/FDC/tree/master) | - | [v3.0.0](https://git.onem2m.org/MAS/FDC/tree/master/v3_0_0) | [v2.3.0](https://git.onem2m.org/MAS/FDC/tree/master/v2_3_0) | - | TBD | Compatible with CDT schemas v2.16.0New R2, R3 and R4 baselines needed that incorporate latest TS-0022 |
| 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 v2.16.0New R2, R3 and R4 baselines needed that incorporate latest TS-0032 |
| 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  |
| 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-0005Further investigation is needed to determine what updates (if any) are needed.  |

Updates to the TRs are noted below:

| **TR** | **Title** | **Rel-5** | **Rel-4** | **Rel-3** | **Rel-2** | **Rel-1** | **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 |  |
| 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) |  |
| TR-0036 | Smart City |  | - | [0.4.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=31042&fromList=Y) | - | - | SeungMyeong (KETI) |  |
| TR-0041 | Decentralized Authentication |  | - | [0.4.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=26293&fromList=Y) | - | - | Vacant |  |
| 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 (KETI) |  |
| TR-0044 | Heterogeneous Identification |  | - | [0.6.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=31631&fromList=Y) | - | - | Yuan Tao (CNIC) |  |
| TR-0046 | Disaster Alert Service Enabler |  | - | [0.0.1](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=21832&fromList=Y) | - | - | SeungMyeong (KETI) |  |
| 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) |  |
| TR-0055 | 3GPP V2X Interworking |  | [0.5.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=26533) | - | - | - | Echo (Huawei) |  |
| TR-0056 | Differences of Rel-2A & Rel-3 |  | [0.2.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=29075&fromList=Y) | - | - | - | Kei (NTT) |  |
| TR-0057 | Getting started with oneM2M |  | [0.6.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33407&fromList=Y) | - | - | - | Laurent (ETSI) |  |
| TR-0059 | Services and Platforms Discovery |  | [0.2.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30111&fromList=Y) | - | - | - | JaeSeung (KETI) |  |
| TR-0060 | Action triggering enhancements |  | [0.2.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=31043) | - | - | - | SeungMyeong (KETI) |  |
| TR-0062 | oneM2M System Enhancement to Support Privacy Data Protection Regulations | [0.3.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33146&fromList=Y) | - | - | - | - | JaeSeung (KETI) |  |
| TR-0063 | Effective IoT Communication to Protect 3GPP Networks | [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 | [0.1.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34408&fromList=Y) | - | - | - | - | Andreas Neubacher (DT) |

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| TR-0066 | System Enhancement to Support Data License Management | [0.3.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33583&fromList=Y) | - | - | - | - | JaeSeung (KETI) | 0.4.0 ([SDS-2022-0016](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=34499&fromList=Y)) to be uploaded to WPM |

6 Contributions

*Note: Contributors who are defining new Resource Types are advised to read the checklist in* [*PRO-2016-0125R02*](http://member.onem2m.org/Application/documentapp/downloadimmediate/default.aspx?docID=17172)*.*

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| [SDS-2022-0086R01](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=34871&fromList=Y) | [TS-0001\_v4\_15\_0\_Baseline](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=34871&fromList=Y) | Orange (Marianne) |

SDS-2022-0086R01 was NOTED
SDS-2022-0086R02 was AGREED

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| [SDS-2022-0104](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=34891&fromList=Y) | [TS-0004 v3.25.0 baseline](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=34891&fromList=Y) | TS-0004 rapporteur |

SDS-2022-0104 was NOTED
SDS-2022-0104R01 was AGREED

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| [SDS-2022-0105](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=34892&fromList=Y) | [TS-0004 v4.10.0 baseline](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=34892&fromList=Y) | TS-0004 rapporteur |

SDS-2022-0105 was NOTED
SDS-2022-0105R01 was AGREED

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| [SDS-2022-0101](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=34876&fromList=Y) | [TS-0004\_listOfCoordinates\_type\_description\_R4](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=34876&fromList=Y) | Miguel Angel Reina Ortega (ETSI) |

This CR proposes a clarification for the simple type listOfCoordinates description as it is desired to be defined as an xs:string following a pattern.

SDS-2022-0101 was NOTED

7 Planning for next Meetings

7.1 Conference Calls Schedule

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| --- | --- | --- |
| **Meeting** | **Date** | **Time (UTC)** |
| SDS 54.3 | June 23rd | 12:00-13:30 |

7.2 Next TP Meeting

TP 55 – starts on 11 July – Teleconference

8 Any other business

Call w/ITU has been rescheduled to 4 July. Three minor editorial issues remain; they’re expected to be reviewed during the next SDS meeting.

9 Closure of meeting

SDS 54.2 ended at 13:34 (UTC).