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| MINUTES |
| Meeting title: | SDS 57.5 |
| 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: | 25 January 2023 |
| Intended purpose ofdocument: | [x]  Decision[ ]  Discussion[ ]  Information[ ]  Other <specify> |

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1 Opening of the meeting

1.1 Welcome

Peter Niblett, Chair, opened the SDS 57.5 meeting on 25 January 2023 at 12:02 (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, a.kraft@telekom.de

Jorg Schneider

Francisco Da Silva, Francisco.daSilva@huawei.com

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

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

Poornima Shandilya, poornima@cdot.in

Wei Zhou, zhouwei@catt.cn

Victoria Mitchell, vmitchell@tiaonline.org

2 Review & Approval of Agenda

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| [SDS-2023-0012](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35572&fromList=Y) | [Agenda SDS 57.5](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35572&fromList=Y) | SDS Chair |

SDS-2023-0012 was AGREED

The SDS Document Allocation ([SDS-2023-0013](https://member.onem2m.org/Application/documentapp/downloadimmediate/default.aspx?docID=35573)) was reviewed and updates were made.

3 Review & Approval of Previous Minutes

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| [SDS-2023-0011](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35557&fromList=Y) | [Minutes\_SDS\_57.4](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35557&fromList=Y) | Michelle Kelley, Secretariat |

SDS-2023-0011 was AGREED

4 Review of Open Action and Issue Status

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) In R4 we can implement with the INCSE as the registrar and the privileges issue can then be deferred to R5. |
| 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 | Clause 7.3.3.3 already says that requests to create unsupported resource types are rejected with NOT\_IMPLEMENTED. Further discussion on unsupported attributes and parameters (and values thereof). Peter to prepare a CR. |
| 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 | CoAP codes have now been changed to answer question from IANA expert. |

5 Latest SDS Baselines

Updates to the latest baseline versions are noted below:

| **TS** | **Title** | **Rel 5** | **Rel-4** | **Rel-3** | **Rel-2** | **Rel-1** | **Rapporteur** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| TS-0001 | Functional Architecture | [5.1.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35546&fromList=Y) | [4.18.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35545&fromList=Y) | [3.31.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35543&fromList=Y) | [2.33.0](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) |  |
| TS-0003 | Security Solutions |  | [4.7.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34917&fromList=Y) | [3.16.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34916&fromList=Y) | [2.20.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34915&fromList=Y) | [1.7.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=11339) | Wei (Datang) |  |
| TS-0004 | Core Protocol |  | [4.13.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35515&fromList=Y) | [3.28.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35514&fromList=Y) | [2.33.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35364&fromList=Y) | [1.13.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=2998) | 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) | [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 |  | [4.3.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35367&fromList=Y) | [3.7.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35366&fromList=Y) | [2.11.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35365&fromList=Y) | [1.6.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=21632) | - |  |
| 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 |  | [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) | [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 |  | [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) |  |
| TS-0022 | Field Device Configuration |  | [4.4.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35532&fromList=Y) | [3.2.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35533&fromList=Y) | [2.6.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35534&fromList=Y) | - | C-DOT | New 4.5 baseline has been agreed. Needs to be uploaded.  |
| 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 | New 4.7 baseline for review – [SDS-2023-0015](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35575&fromList=Y) |
| 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) | - | - | 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 | [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) | - | - | Marianne(Orange) |  |
| 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 |  | [4.0.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35378&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) | [v4.12.0](https://git.onem2m.org/PRO/schema-definitions/-/tree/XSD-v4_12_0-baseline) | [v3.28.0](https://git.onem2m.org/PRO/XSD/-/tree/master/v3_28_0) | [v2.33.0](https://git.onem2m.org/PRO/XSD/-/tree/master/v2_33_0) | [v1.12.0](https://git.onem2m.org/PRO/XSD/tree/master/v1_12_0) | Miguel (R4)Peter (R2,R3) |  |
| 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-0022Miguel will be working on it. |
| 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-0032Peter 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 XSDsAndreas 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-0005Further investigation is needed to determine what updates (if any) are needed. Peter will be looking into it. |

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) | New version to review [SDS-2022-0191R01](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35464&fromList=Y)

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| TR-0066 | System Enhancement to Support Data License Management | [0.7.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35509&fromList=Y) | - | - | - | - | JaeSeung (KETI) |  |

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-2023-0015](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35575&fromList=Y) | [TS-0026 v4.7.0 baseline](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35575&fromList=Y) | SDS Chair |

SDS-2023-0015 was NOTED
SDS-2023-0015R01 was AGREED

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| [SDS-2022-0203](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35429&fromList=Y) | [Correcting the child resource definition in TS-0001](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35429&fromList=Y) | Andreas Kraft (DT), Andreas Neubacher (DT), Miguel Angel Reina Ortega (ETSI), Poornima Shandilya (C-DOT) |

This CR proposes a fix for a wrong definition of “child resource” in the terms clause in TS-0001.

Mirrors needed for R3, R5

SDS-2022-0203 was AGREED

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| [SDS-2022-0173](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35306&fromList=Y) | [CSEResourceIDInterfaceCorrection\_R4](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35306&fromList=Y) | C-DOT |

The interface mentioned for CSE-Relative Resource ID in clause 7.2 is incorrect.

Revision expected.

SDS-2022-0173 was NOTED

|  |  |  |
| --- | --- | --- |
| [SDS-2022-0204](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35431&fromList=Y) | [Adding time retrieval method for constrained devices](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35431&fromList=Y) | Andreas Kraft (DT), Andreas Neubacher (DT), Miguel Angel Reina Ortega (ETSI), Bob Flynn (Exacta GSS) |

This CR proposes an additional method for TS-0001, clause 10.2.24 “Time Management”. The already specified methods in this clause define methods to handle timewise out-of-sync devices, how a CSE may compensate time differences, and how a device could get the current time and date from a CSE.

SDS-2022-0204 was LEFT OPEN

7 Planning for next Meetings

7.1 Conference Calls Schedule

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| --- | --- | --- |
| **Meeting** | **Date** | **Time (UTC)** |
| SDS 57.6 | 6 Feb 2023 | 12.00 |

7.2 Next TP Meeting

TP 58 – starts on 20 February 2023, New Delhi

8 Any other business

None

9 Closure of meeting

SDS 57.5 ended at 13:32 (UTC).