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| MINUTES | |
| Meeting title: | SDS 57.5 |
| 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)  Poornima Shandilya, C-DOT, [poornima@cdot.in](mailto:poornima@cdot.in) |
| Secretary: | Victoria Mitchell, TIA, [vmitchell@tiaonline.org](mailto:vmitchell@tiaonline.org) |
| Meeting Date: | 25 January 2023 |
| Intended purpose of  document: | Decision  Discussion  Information  Other <specify> |

oneM2M Notice

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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](mailto:a.kraft@telekom.de)

Jorg Schneider

Francisco Da Silva, [Francisco.daSilva@huawei.com](mailto:Francisco.daSilva@huawei.com)

Miguel Angel Reina Ortega, [miguelangel.reinaortega@etsi.org](mailto:miguelangel.reinaortega@etsi.org)

Peter Niblett, [peter\_niblett@uk.ibm.com](mailto:peter_niblett@uk.ibm.com)

Poornima Shandilya, [poornima@cdot.in](mailto:poornima@cdot.in)

Wei Zhou, [zhouwei@catt.cn](mailto:zhouwei@catt.cn)

Victoria Mitchell, [vmitchell@tiaonline.org](mailto:vmitchell@tiaonline.org)

2 Review & Approval of Agenda

|  |  |  |
| --- | --- | --- |
| [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-Link  Still 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-2019-0344  SDS-2019-0302  SDS-2019-0186  Bob & 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 v2.16.0  New R2, R3 and R4 baselines needed that incorporate latest TS-0022  Miguel 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 v2.16.0  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. |

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)   |  |  | | --- | --- | |  |  | |
| 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

|  |  |  |
| --- | --- | --- |
| [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

|  |  |  |
| --- | --- | --- |
| **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).