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| --- |
| MINUTES |
| Meeting title: | SDS 50.3 |
| 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: | 22 June 2021 |
| 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 SDS50.3 meeting on 22 June 2021 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, andreas.kraft@t-systems.com

Andreas Neubacher, andreas.neubacher@magenta.at

Bob Flynn, bob.flynn@exactagss.com

Dale Seed, dale.seed@interdigital.com

Enrico Scarrone, enrico.scarrone@telecomitalia.it

Franciso Da Silva (Huawei), Francisco.daSilva@huawei.com

Ingo Friese DTAG

Kenichi Yamamoto – KDDI, kc-yamamoto@kddi-std.jp

Marianne Mohali (Orange), marianne.mohali@orange.com

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

Peter NIblett (IBM), peter\_niblett@uk.ibm.com

Poornima Shandilya, poornima@cdot.in

Rahul (C-DOT)

SeungMyeong Jeong (KETI), sm.jeong@keti.re.kr

Siddharth (C-DOT)

Victoria Mitchell, vmitchell@tiaonline.org

2 Review & Approval of Agenda

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| --- | --- | --- |
| [SDS-2021-0171](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=33820&fromList=Y) | [Agenda SDS 50.3](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=33820&fromList=Y) | SDS Chair |

SDS-2021-0171 was AGREED

3 Review & Approval of Previous Minutes

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| [SDS-2021-0170](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=33803&fromList=Y) | [17June21\_SDS50.2\_Summary](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=33803&fromList=Y) | Victoria Mitchell, Secretariat |

SDS-2021-0170 was AGREED

4 Review of Open Action and Issue Status

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

* Updates to the issue tracker were made.

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 to determine the relevant service subscription resource | Convida & CDOT |  |
| 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.  | Convida |  |
| A-SDS-42-01 \* | As it relates to contribution SDS-2019-0475R01, look at implications of aggregated responses with respect to primitive profile | Convida |  |
| A-SDS-41.2-01 \* | XSD needs to be updated to allow m2m:URIList data type to have an empty list (i.e. no elements) | Peter | Need to check the data types in TS-0004Peter will update the schemas for Rel-3 and take care of this at the same time.Done – m2m:URIList was changed to allow an empty list in v2.17 and v3.7This was agreed at PRO34 (2018) |
| 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-SDS-39-02 \* | Follow up action related to SDS-2019-0050 on areaNwkInfo, C-DOT to investigate the concepts of areaNwkInfo and the area network device | C-DOT | Need C-DOT to be present to close this actionDale asked C-DOT to look into this. |
| A-PRO-34.2-03 | TS-0008. Use of non-confirmable needs to be clarified. Is the receiver required to treat a non-confirmable request (other than multicast) as an error?  | Peter | Discussed during SDS 47 and plan was firmed up. Contribution needed to make updates to TS-00081) Replace the text that says that senders "SHALL use Confirmable" with a "SHOULD use Confirmable" (or whatever our equivalent of RFC 2119 SHOULD is) 2) Add text to explain that you should only use Non-Confirmable if there's a particular reason for doing so, and suggest that you shouldn't do it if your originator is relying on a response 3) Change the text and figures that are assuming Non-confirmable  (or add a comment to say that they only show the case where confirmable is being used) and clarify that incoming non-confirmable messages are to be processed by the TS-0004 level oneM2M code.covered by contribution SDS-2020-0374 |
| A-PRO-26-01 \* | Register CoAP codes with IANA | Peter & Laurent | 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 | [4.11.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33796&fromList=Y) | [3.24.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33795&fromList=Y) | [2.30.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33794&fromList=Y) | [1.18.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=12297) | Marianne(Orange) |  |
| TS-0003 | Security Solutions | [4.4.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33402&fromList=Y) | [3.14.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33401&fromList=Y) | [2.17.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33400&fromList=Y) | [1.7.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=11339) | Wei (Datang) | New baselines to be uploaded to WPM[SDS-2021-0162](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=33787&fromList=Y)[SDS-2021-0163](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=33788&fromList=Y)[SDS-2021-0164](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=33789&fromList=Y) |
| TS-0004 | Core Protocol | [4.5.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33563&fromList=Y) | [3.21.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33562&fromList=Y) | [2.29.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33800&fromList=Y) | [1.13.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=2998) | Peter (IBM) | New baselines to be agreed [SDS-2021-0160R01](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=33797&fromList=Y)[SDS-2021-0161](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=33783&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 | [4.1.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33503&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) |  |
| TS-0009 | HTTP Binding | [4.2.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33584&fromList=Y) | [3.7.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33585&fromList=Y) | [2.19.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33419&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(Convida) |  |
| 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 | [4.2.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33381&fromList=Y) | [3.0.3](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33387&fromList=Y) | [2.4.2](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=33386&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) | - | - | Kenichi (KDDI) |  |
| 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) |  |
| 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) | - | [v3.22.0](https://git.onem2m.org/PRO/XSD/tree/master/v3_22_0) | [v2.29.0](https://git.onem2m.org/PRO/XSD/tree/master/v2_29_0) | [v1.12.0](https://git.onem2m.org/PRO/XSD/tree/master/v1_12_0) | Peter | One change implemented for v3.22 and v2.29New R4 baselines needed  |
| 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) | - | - | - | Kenichi (KDDI) |  |
| 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 (Convida) |  |
| TR-0064 | ZigBee Interworking | [0.1.0](https://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=31685) | - | - | - | - | JaeSeung (KETI) |  |
| TR-0065 | SensorThings API Interworking | [0.0.1](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32023&fromList=Y) | - | - | - | - | Andreas Neubacher (DT) |  |
| 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) |  |

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)*.*

|  |  |  |
| --- | --- | --- |
| [SDS-2020-0295R03](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=33632&fromList=Y) | [OGC-to-oneM2M Data Mapping](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=33632&fromList=Y) | Deutsche Telekom |

This contribution discusses the OGC-to-oneM2M Data Mapping Issue.

Revision expected.

SDS-2020-0295R03 was NOTED

|  |  |  |
| --- | --- | --- |
| [SDS-2021-0154](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=33702&fromList=Y) | [Solution on Advanced Semantic Discovery](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=33702&fromList=Y) | KETI (ETSI STF 589) |

SDS-2021-0154 was NOTED

7 Planning for next Meetings

7.1 Conference Calls Schedule

|  |  |  |
| --- | --- | --- |
| **Meeting** | **Date** | **Time (UTC)** |
| SDS50.4 | Jun 29th | 12:00-13:30 |
| SDS50.5 | Jul 7th | 12:00-13:30 |
| SDS50.6 | Jul 13th | 12:00-13:30 |
| SDS50.7 | Aug 5th | 12:00-13:30 |

7.2 SDS51 Virtual Meetings (Tentative)

TP 51, Aug 30 – Sep 17

7.3 Face to Face Meetings

TBD

8 Any other business

None

9 Closure of meeting

SDS50.3 ended at 13:32 (UTC).