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| MINUTES |
| Meeting title: | SDS 46.3 |
| Chair: | Dale Seed, Convida Wireless, dale.seed@interdigital.com  |
| Vice-Chairs: | SeungMyeong Jeong, KETI, sm.jeong@keti.re.kr Wei Zhou, Datang, zhouwei@catt.cn Peter Niblett, IBM, peter\_niblett@uk.ibm.com |
| Secretary: | Victoria Mitchell, TIA, vmitchell@tiaonline.org   |
| Meeting Date: | 10 September 2020 |
| Intended purpose ofdocument: | [x]  Decision[ ]  Discussion[ ]  Information[ ]  Other <specify> |

oneM2M Notice

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1 Opening of the meeting

1.1 Welcome

Dale Seed, Chair, opened the SDS46.3 meeting on 10 September 2020 at 12:03 (UTC). Participants were reminded to familiarize 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:

Laurent Velez, laurent.velez@etsi.org**KE**

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

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

Dale Seed, daleseed@live.com

JaeSeung Song (KETI), jseungsong.sju@gmail.com **BO**

Bob**MA**

MARIANNE MOHALI, marianne.mohali@orange.com

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

Andreas Neubacher, andreas.neubacher@magenta.at **SE**

Seungmyeong Jeong (KETI)**MI**

Miguel Angel Reina Ortega, miguelangel.reinaortega@etsi.org **[T**

[TIM] Enrico Scarrone, enrico.scarrone@telecomitalia.it

Roland Hechwartner, roland.hechwartner@magenta.at **Ö**

Jörg Schneider (BNetzA)

CATT-Wei Zhou, zhouwei@catt.cn

Victoria Mitchell, vmitchell@tiaonline.org

2 Review & Approval of Agenda

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| --- | --- | --- |
| [SDS-2020-0265](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=32586&fromList=Y) | [Agenda\_SDS\_46\_3](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=32586&fromList=Y) | SDS Chair |

SDS-2020-0265 was AGREED

3 Review & Approval of Previous Minutes

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| --- | --- | --- |
| [SDS-2020-0264](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=32571&fromList=Y) | [Minutes SDS 46-2](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=32571&fromList=Y) | Karen Hughes, Secretariat |

SDS-2019-0264 was previously approved by correspondence.

4 Action Item Status

Updates to the open action items are noted below:

| **Number** | **Action** | **Responsible** | **Status** |
| --- | --- | --- | --- |
| 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 |  |
| 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 a 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 | Dale |  |
| 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-0004 |
| A-SDS-40.1-2 | Consider and if necessary create R2 mirror for:SDS-2019-0116R01-TS0004-CR\_semantics\_related\_editorial\_fixes SDS-2019-0148R01-CR\_remove\_schedule\_resource\_R3 SDS-2019-0299R01-TS0004-A\_39\_2-1 | Bob |  |
| 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 | Dale |  |
| 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-2019-0186Need Peter to be present to close this action |
| 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 action |
| A-PRO-24.2-01 | Provide more information on SPARQL errors  | Bob & SeungMyeong |  |
| A-PRO-26-01 | Register CoAP codes with IANA | Peter & Laurent | At SDS44, Peter prepared a contribution which is still under discussionSDS-2020-0065 |
| A-PRO-33-01 | Raise CR to add procedure for networkCoordinated attribute | Bob |  |
| 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 |  |
| A-SEC-33-02  | Open issues found in TST-0010:Deriving nodeID from <serviceSubscribedAppRule>Define credential-IDs for certificatesUse of Wildcard “\*” in certificates?Include CSE registration credentials in service subscription?Consider certificates that would include an App-ID | Dale | This action item can be resolved once a joint SDS/TST session is held. |

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 | [4.7.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32573&fromList=Y) | [3.21.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32575&fromList=Y) | [2.28.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32574&fromList=Y) | [1.18.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=12297) | Weixiang (ZTE) |  |
| TS-0003 | Security Solutions | [4.3.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32564&fromList=Y) | [3.13.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32565&fromList=Y) | [2.16.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32566&fromList=Y) | [1.7.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=11339) | Wei (Datang) |  |
| TS-0004 | Core Protocol | [4.1.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32245&fromList=Y) | [3.17.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32215&fromList=Y) | [2.26.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=31762&fromList=Y) | [1.13.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=2998) | Peter (IBM) | New R2, R3 baselines agreed and need uploading to WPM. R4 baseline that include SDS46 CRs needed. |
| 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 | [4.0.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=31474) | [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 | - | [3.5.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=31202&fromList=Y) | [2.18.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=31203&fromList=Y) | [1.10.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=13986) | SeungMyeong (KETI) | New v4.0.0 baseline that incorporates SDS 43 CRs agreed and needs uploading to WPM. New R3 baseline that includes SDS46 CRs neededReminder to SeungMyeong has been sent. |
| TS-0010 | MQTT Binding | - | [3.1.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32184&fromList=Y) | [2.10.0](TS-0010) | [1.8.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=26485&fromList=Y) | Peter (IBM) |  |
| TS-0014 | LWM2M Interworking | - | [3.1.1](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=10091) | [2.0.1](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=26330&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 | [4.1.1](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=31061&fromList=Y) | [3.0.2](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=31062&fromList=Y) | [2.4.1](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=31063&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 | [4.5.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32185&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) |  |

Joint meeting, during which XSDs was discussed, was held. Peter is preparing R2 and R3 XSDs for TS-0004. Once available, they’ll be uploaded to the repository. We’ll prepare the R4 XSDs for the new repository structure that’s been created.

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) | - | [v3.11.0](https://git.onem2m.org/PRO/XSD/tree/master/v3_11_0) | [v2.21.0](https://git.onem2m.org/PRO/XSD/tree/master/v2_21_0) | [v1.9.0](https://git.onem2m.org/PRO/XSD/tree/master/v1_9_0) | Wolfgang | New R2, R3 and R4 baselines needed that incorporate updates for TP40 - TP46 CRs for TS-0004 |
| 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) | - | Wolfgang | 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) | - | Wolfgang | 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 rulesWill be aligned with the TS-0004 XSDs.  |
| 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) | - | Wolfgang | Device Description Framework (DDF) of Management Objects defined in oneM2M TS-0005Not clear what is 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) | - | Weixiang (ZTE) |  |
| 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) | - | - | Jie Shi (Huawei) |  |
| 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 |  | [0.13.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32551&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 |  | [0.3.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=28787) | - | - | - | 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 | [0.2.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32569&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 | 0.0.1 | - | - | - | - | 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-2020-0262](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=32563&fromList=Y) | [TS-0004 v4.2.0 baseline](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=32563&fromList=Y) | IBM |

Will be sent for a 14-day electronic review and approval.

A- SDS46.3-01 – Marianne will review Table 7.5.2-2 in TS-0004 v4.2 (R4) and check the RCN values.

|  |  |  |
| --- | --- | --- |
| [SDS-2020-0263R02](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=32585&fromList=Y) | [TS-0001\_AnnouncementUpdate](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=32585&fromList=Y) | Andreas Kraft, DT; Bob Flynn, Chordant; Miguel Angel Reina Ortega, ETSI |

Additional time (given the complexity) to review the contribution is needed.

Revision expected.

SDS-2020-0263R02 was NOTED

7 Planning for next Meetings

7.1 Conference Calls Schedule

|  |  |  |
| --- | --- | --- |
| **Meeting** | **Date** | **Time (UTC)** |
| ~~SDS46.1~~ | ~~8/13~~ | ~~12:00 – 13:30~~ |
| ~~SDS46.2~~ | ~~8/27~~ | ~~12:00 – 13:30~~ |
| ~~SDS/RDM/TDE~~ | ~~9/8~~ | ~~12:00 – 13:30~~ |
| ~~SDS46.3~~ | ~~9/10~~ | ~~12:00 – 13:30~~ |
| SDS46.4 | 9/24 | 12:00 – 13:30 |

7.2 SDS47 Virtual Meetings (Tentative)

|  |  |  |
| --- | --- | --- |
| **Meeting** | **Date** | **Time (UTC)** |
| SDS47  | 9/29 | 12:00 – 15:00 |
| SDS47  | 10/5 | 12:00 – 15:00 |
| SDS47  | 10/7 | 12:00 – 15:00 |
| SDS47  | 10/8 | 12:00 – 15:00 |
| SDS47  | 10/9 | 12:00 – 15:00 |
| SDS47  | 10/12 | 12:00 – 15:00 |
| SDS47  | 10/14 | 12:00 – 15:00 |
| SDS47 | 10/19 | 12:00 – 15:00 |
| SDS47 | 10/21 | 12:00 – 15:00 |

7.3 Face to Face Meetings

TBD

8 Any other business

None

9 Closure of meeting

SDS46.3 ended at 13:33 (UTC).