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| --- | --- |
| MINUTES | |
| Meeting title: | SDS 41.4 |
| Chair: | Dale Seed, Convida Wireless, [dale.seed@interdigital.com](mailto:dale.seed@interdigital.com) |
| Vice-Chairs: | SeungMyeong Jeong, KETI, [sm.jeong@keti.re.kr](mailto:sm.jeong@keti.re.kr)  Wei Zhou, Datang, [zhouwei@catt.cn](mailto:zhouwei@catt.cn)  Peter Niblett, IBM, [peter\_niblett@uk.ibm.com](mailto:peter_niblett@uk.ibm.com) |
| Secretary: | Victoria Mitchell, TIA, [vmitchell@tiaonline.org](mailto:vmitchell@tiaonline.org) |
| Meeting Date: | 5 September 2019 |
| Intended purpose of  document: | 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

Dale Seed, Chair, opened the SDS41.4 meeting on 5 September 2019 at 12:04 (UTC).

1.2 Objectives

The objectives, as listed on the agenda, were reviewed.

1.3 Attendees

The attendees, as captured by GoToMeeting were:

Bob Flynn,

Chengsui Lu, [cslu@hitachi.cn](mailto:cslu@hitachi.cn)

Dale Seed, [SeedDN@InterDigital.com](mailto:SeedDN@InterDigital.com)

KETI Bridge, [csc@keti.re.kr](mailto:csc@keti.re.kr)

Kei Harada (NTT),

Leila Le Brun (Orange), [leila.lebrun@orange.com](mailto:leila.lebrun@orange.com)

Marianne Mohali (Orange), [marianne.mohali@orange.com](mailto:marianne.mohali@orange.com)

Max Zhang, [zhangqiancto@boe.com.cn](mailto:zhangqiancto@boe.com.cn)

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

Poornima,

Preeti (C-DOT), [preetir@cdot.in](mailto:preetir@cdot.in)

SeungMyeong Jeong, KETI, [sm.jeong@keti.re.kr](mailto:sm.jeong@keti.re.kr)

Siddharth (C-DOT), [strikha@cdot.in](mailto:strikha@cdot.in)

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

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

2 Review & Approval of Agenda

|  |  |  |
| --- | --- | --- |
| [SDS-2019-0433](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30465&fromList=Y) | [Agenda\_SDS\_41\_4](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30465&fromList=Y) | SDS Chair |

SDS-2019-0433 was AGREED

3 Review & Approval of Previous Minutes

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| --- | --- | --- |
| [DS-2019-0431](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30431&fromList=Y) | [Minutes SDS 41.3](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30431&fromList=Y) | Karen Hughes, Secretariat |

SDS-2019-0431 was previously AGREED by correspondence

4 Action Item Status

Participants were encouraged to address their action items prior to SDS42. Updates to the action items are noted below:

| **Number** | **Action** | **Responsible** | **Status** |
| --- | --- | --- | --- |
| 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 |  |
| A-SDS-40.4-1 | A-SDS-40.4-01: follow-up on the Discovery/Retrieval/RCN discussion   * Peter to update the slides and correct any typos/errors * Peter to update the slides with the answers from Catalina * Catalina to correct any mis-matches between the ARC & PRO contributions * Peter to highlight any actions or points that need to be clarified * Peter to make a list other CRs and corrections that are needed * Peter to propose filterUsage and RCN values | Peter, Catalina | Achieved consensus on a way forward. Catalina & Leila will prepare contributions to be presented at the next call.  This will be the focus of the next call |
| A-SDS-40.1-1 | Consider and if necessary create R2 mirror for:  SDS-2019-0104R03-Add\_missing\_attributes\_of\_ACP\_resource  (see change 3) | Wei |  |
| 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 | Convida |  |
| 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-2019-0344  SDS-2019-0302  SDS-2019-0186  Need 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-SDS-39-08 | Per PRO-2018-0269R01, Bob to follow-up and consider the time out scenario in TS-0004 clause 7.5.1.2.19 | Bob | 5/19/2019 – Bob commented he has to research this more.  Bob will work with Peter to ensure that he has addressed his concerns |
| A-SDS-39-09 | ARC-2018-0047R01 was agreed in TP33. However, it was not integrated into TS-0001. The issue addressed by ARC-2018-0047R01 still needs to be addressed | Bob | 5/19/2019 – Bob commented he has to research this more. |
| A-PRO-16-02 | Investigate MQTT Binding on Mcc’ | SeungMyeong & Peter | 5/19/2019 – Peter is going to consider a contribution. Need to decide if we want to put the effort into supporting use of MQTT over Mcc’ or not. |
| A-PRO-24.2-01 | Provide more information on SPARQL errors | Bob Flynn |  |
| A-PRO-26-01 | Register CoAP codes with IANA | Peter & Laurent | This issue is oneM2M is using option numbers for “critical” and “elective” type options but should only be using “critical”. This would require oneM2M to renumber its options. Peter to put contribution for us to review. |
| 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-ARC-35-02 | Review the associated reference points in the tables in clause 10 of TS-0001 | SeungMyeong | SeungMyeong to bring in CRs to remove “associated reference point” columns from TS-0001 R2/R3/R4 and TS-0034 |
| A-SEC-33-02 | Open issues found in TST-0010:  Deriving nodeID from <serviceSubscribedAppRule>  Define credential-IDs for certificates  Use 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. |
| A-SEC-33-03 | Check whether AE impersonation prevention could also apply to CSE | Dale & SeungMyeong | SDS-2019-0274  Consult with KETI on whether contribution is ok? |

5 Latest Baseline Versions

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 | 4.2.0 | 4.2.0 | 4.2.0 | 4.2.0 | Weixiang (ZTE) |  |
| TS-0003 | Security Solutions | - | [3.10.2](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=19745) | [2.14.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=15898) | [1.7.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=11339) | Wei (Datang) |  |
| TS-0004 | Core Protocol | - | [3.12.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30095&fromList=Y) | [2.22.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30096&fromList=Y) | [1.13.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=2998) | Peter (IBM) | New baselines with TP41 CRs uploaded to SDS for review (v3.12.0, v2.23.0) |
| 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) | Looking for a Rapporteur |  |
| 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) | Looking for a Rapporteur |  |
| TS-0007 | Service Components | - | - | [2.0.2](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=5219) | - | - |  |
| TS-0008 | CoAP Binding | - | [3.4.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=28824) | [2.9.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=28823) | [1.6.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=21632) | Dale (Convida) |  |
| TS-0009 | HTTP Binding | - | [3.4.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30171&fromList=Y) | [2.17.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30170&fromList=Y) | [1.10.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=13986) | SeungMyeong (KETI) |  |
| TS-0010 | MQTT Binding | - | [3.0.1](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=29320) | [2.8.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=26486&fromList=Y) | [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 | [4.0.1](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=28086) | [3.0.1](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=27621) | [2.4.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=27615&fromList=Y) | - | C-DOT | New baseline that incorporates TP41 CRs needed |
| 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 | [4.2.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=30160) | [3.2.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=18728) | - | - | Echo (Huawei) | New baselines with TP41 CRs agreed but need to be uploaded to WPM (v4.2.0, v3.2.0) |
| 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 | [4.0.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30054&fromList=Y) | [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) |  |

Updates to the XSDs are noted below:

Peter will reach out to Wolfgang for updates to the XSDs.

| **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 baselines needed that incorporate updates for TP40 and TP41 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 v2.16.0  New R2 & R3 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 v2.16.0  New R2 & R3 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) | - | Wolfgang | Device Description Framework (DDF) of Management Objects defined in oneM2M TS-0005  Not clear what is needed |
| TS-0006 (BBF) | [link](https://git.onem2m.org/MAS/TR69Model) | - | - | - | - | Laurent | TR-069 Data model oneM2M TR-181i2 Data Model Definition  Not clear what is needed |

Updates to the TRs are noted below:

| **TR** | **Title** | **Rel-4** | **Rel-3** | **Rel-2** | **Rel-1** | **Rapporteur** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| TR-0024 | 3GPP Interworking | [4.1.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30063&fromList=Y) | [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) | Baseline that incorporates TP40 CRs agreed and uploaded to WPM (v4.1.0) |
| TR-0033 | Enhanced Semantic Enablement | [4.4.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=30097) | [3.0.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=19525) | - | - | Xu (Convida) |  |
| TR-0036 | Smart City | - | [0.3.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=27572&fromList=Y) | - | - | SeungMyeong (KETI) | New baseline that incorporates TP41 CRs needed.  SeungMyeong will prepare a new baseline. |
| 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) | New baseline that incorporates TP41 CRs needed |
| TR-0044 | Heterogeneous Identification | - | [0.5.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=21344) | - | - | Yuan Tao (CNIC) | New baseline that incorporates TP41 CRs needed.  Work is in progress. |
| 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 | [0.10.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30418&fromList=Y) | - | - | - | Wei (Datang) |  |
| TR-0052 | Edge and Fog Study | [0.8.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30412&fromList=Y) | - | - | - | Kenichi (KDDI) |  |
| TR-0053 | Lightweight oneM2M Services | 0.4.0 | - | - | - | Dale (Convida) |  |
| TR-0054 | Service Subscribers and Users | [0.5.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30042&fromList=Y) | - | - | - | Dale (Convida) |  |
| TR-0055 | 3GPP V2X Interworking | [0.5.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30384&fromList=Y) | - | - | - | 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 | [0.0.1](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=29342&fromList=Y) | - | - | - | SeungMyeong (KETI) | New baseline that incorporates TP40 CRs needed.  Work is in progress. |

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-2019-0432](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30432&fromList=Y) | [TR-0024-3GPP\_Interworking-V4\_2\_0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30432&fromList=Y) | ZTE Corporation |

**SDS-2019-0432 was AGREED**

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| [SDS-2019-0327R03](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30419&fromList=Y) | [MALICIOUS AE AND BLOCKED ORIGINATOR](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30419&fromList=Y) | C-DOT |

This CR was introduced in release 3 in SDS39 and it was advised to move it to Release 4. A short presentation with overall concept was presented and discussed ([SDS-2019-0199R02](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=29545&fromList=Y) :MALICIOUS AE AND BARRED ORIGINATOR) in SDS 39.9. This CR is now revised for release 4 based on the inputs received in SDS39 and SDS 39.9.

The CR proposes to add 2 new concepts in the TS-0001: Malicious AE and Barred Originator.

The key idea is to be able to identify a malicious AE Originator that is attempting to perform some malicious activity through a oneM2M Request. If such an AE is identified, it should be barred from performing any further action in the oneM2M network. The implementation of barring an AE, identified as Malicious AE, requires the implementation of a barred originator list.

Additional discussions will occur in SDS42.

Revision expected.

**SDS-2019-0327R03 was NOTED**

|  |  |  |
| --- | --- | --- |
| [SDS-2019-0343R03](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30448&fromList=Y) | [Improving\_the\_Usability\_of\_JSON Path](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30448&fromList=Y) | NTT |

This contribution proposes a second way of doing queries on attributes. We need to decide if we should use our existing syntax for labels and expand upon it or provide this second option. Kei will provide a side-by-side comparison (showing gaps and similiaries) of the J-SON method and our current functionality so a comparison can be done and a decision can be made.

**SDS-2019-0343R03 was NOTED**

|  |  |  |
| --- | --- | --- |
| [ARC-2018-0348R08](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30449&fromList=Y) | [TS-0001 discovery-based operations](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30449&fromList=Y) | Convida, Orange |

This contribution includes the PRO-2018-0244R08 agreements.

Participants were asked to review this contribution and provide Catalina will comments so that a revised contribution could be prepared for SDS42. (Bob will present that updated contribution during SDS42.)

Once agreed, TS-0004 will be updated accordingly.

**ARC-2018-0348R08 was NOTED**

|  |  |  |
| --- | --- | --- |
| [PRO-2018-0244R08](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30427&fromList=Y) | [TS-0004 discovery-based operations](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=30427&fromList=Y) | Convida, Orange |

Peter has proposed editorial changes that will be made before reviewing this contribution. If Peter is in India, we'll open, review and try to agree this contribution during @ SDS42. Ideally, the review at SDS42 should be done early in the week so Catalina can make any necessary changes.

**ARC-2018-0348R08 was LEFT OPEN**

7 Planning for next Meetings

7.1 Conference Calls Schedule

|  |  |  |
| --- | --- | --- |
| **Meeting** | **Date** | **Time (UTC)** |
| SDS 41.1 | Thurs 25-Jul-2019 | 12:00 – 13:30 |
| SDS 41.2 | Thurs 08-Aug-2019 | 12:00 – 13:30 |
| SDS 41.3 | Thurs 22-Aug-2019 | 12:00 – 13:30 |
| SDS 41.4 | Thurs 05-Sep-2019 | 12:00 – 13:30 |

7.2 Face to Face Meetings

SDS42 – 23-27 September 2019 – Hyderabad, India

8 Any other business

None

9 Closure of meeting

SDS41.4 ended at 13:40 (UTC).