|  |  |
| --- | --- |
| MINUTES | |
| Meeting title: | SDS 58.2 |
| 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: | 21 March 2023 |
| 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

Peter Niblett, Chair, opened the SDS 58.2 meeting on 21 March 2023 at 12:05 (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)

Cyrille Bareau (Orange), [cyrille.bareau@orange.com](mailto:cyrille.bareau@orange.com)

JaeSeung

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

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

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

2 Review & Approval of Agenda

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| --- | --- | --- |
| [SDS-2023-0057](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35760&fromList=Y) | [Agenda SDS 58.2](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35760&fromList=Y) | SDS Chair |

SDS-2023-0057 was AGREED

The SDS Document Allocation ([SDS-2023-0058](https://member.onem2m.org/Application/documentapp/downloadimmediate/default.aspx?docID=35761)) was reviewed and updates were made.

3 Review & Approval of Previous Minutes

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| [SDS-2022-0211R02](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35748&fromList=Y) | [Minutes SDS57](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35748&fromList=Y) | Secretariat |

SDS-2022-0211R02 was AGREED

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| [SDS-2022-0223](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35524&fromList=Y) | [Minutes 57.2](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35524&fromList=Y) | Karen Hughes, ETSI |

SDS-2022-0223 was AGREED

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| [SDS-2023-0056](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35749&fromList=Y) | [Minutes SDS58.1](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35749&fromList=Y) | Karen Hughes, ETSI |

SDS-2023-0056 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. | Exacta & C-DOT | 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.  Contribution needed for Rel-5 |
| 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.  Miguel to continue with the registration process |

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 | [5.2.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35754&fromList=Y) | [4.19.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35753&fromList=Y) | [3.32.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35752&fromList=Y) | [2.35.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35751&fromList=Y) | [1.18.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=12297) | Vacant |  |
| 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) | New baselines for review – [SDS-2023-0054R01](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35762&fromList=Y)  – [SDS-2023-0055R01](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35763&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) | - | - | Discontinued |
| TS-0008 | CoAP Binding |  | [4.4.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35766&fromList=Y) | [3.8.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35765&fromList=Y) | [2.12.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35764&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 |  | [4.0.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35386&fromList=Y) | [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 |  | [4.0.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35755&fromList=Y) | [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) | Discontinued |
| TS-0022 | Field Device Configuration |  | [4.5.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35590&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 |  |
| TS-0024 | OCF Interworking |  | [4.0.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35756&fromList=Y) | [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 |  | [4.7.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35587&fromList=Y) | [3.5.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=32186&fromList=Y) | - | - | Peter |  |
| 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) | - | - | Bob (Exacta) |  |
| TS-0032 | MAF/MEF Interface |  | [4.0.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35398&fromList=Y) | [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 | [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) | - | - | Vacant |  |
| 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 |  | [4.0.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35757&fromList=Y) | [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 (Sejong university) |  |

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) | [v4.13.0](https://git.onem2m.org/XMLSchemas/ts-0004/-/tree/4.13.0) | [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) | New R3 and R4 versions 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 v2.16.0  New R2, R3 and R4 baselines needed that incorporate latest TS-0022  DONE but changes may be made in SDS58 |
| 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 | Complete (R4) |
| 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) | Complete (R4) |
| TR-0036 | Smart City | [0.4.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=31042&fromList=Y) | - | - | - | - | SeungMyeong (KETI) | Not ready to publish |
| TR-0041 | Decentralized Authentication | [0.4.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=26293&fromList=Y) | - | - | - | - | Vacant | Not ready yet |
| 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 (Sejong university) | Replaced by TS-0040  Version number not correct JaeSeung to check |
| TR-0044 | Heterogeneous Identification |  | - | [0.6.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=31631&fromList=Y) | - | - | Yuan Tao (CNIC) |  |
| 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) | Complete |
| TR-0055 | 3GPP V2X Interworking |  | [0.5.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=26533) | - | - | - | Echo (Huawei) | WI has been terminated. Does this TR need to be published ? |
| TR-0056 | Differences of Rel-2A & Rel-3 |  | - | [0.2.0](http://member.onem2m.org/Application/documentApp/documentinfo/?documentId=29075&fromList=Y) | - | - | Kei (NTT) | Complete |
| TR-0060 | Action triggering enhancements |  | [0.2.0](http://member.onem2m.org/Application/documentapp/downloadLatestRevision/?docId=31043) | - | - | - | SeungMyeong (KETI) | Completed – need to update version number to reflect that |
| TR-0062 | oneM2M System Enhancement to Support Privacy Data Protection Regulations | [0.4.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35483&fromList=Y) | - | - | - | - | JaeSeung (KETI) | 0.4.0 revision contains RDM changes only |
| 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 baseline to be uploaded |
| TR-0066 | System Enhancement to Support Data License Management | [0.4.0](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35375&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-2023-0055R01](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=35763&fromList=Y) | [TS-0004 v4.14.0 baseline](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35763&fromList=Y) | TS-0004 rapporteur |

SDS-2023-0055R01 was AGREED

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| [SDS-2023-0054R01](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35762&fromList=Y) | [TS-0004 v3.29.0 baseline](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35762&fromList=Y) | TS-0004 rapporteur |

SDS-2023-0054R01 was AGREED

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| [SDS-2022-0014R02](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35758&fromList=Y) | [Improving Queries in Discovery and Retrieve Requests](https://member.onem2m.org:443/Application/documentApp/documentinfo/?documentId=35758&fromList=Y) | Andreas Kraft (Deutsche Telekom), Andreas Neubacher (Deutsche Telekom), Andre Dutra (Deutsche Telekom), Cyrille Bareau (Orange) |

A work item will be created.

SDS-2022-0014R02 was NOTED

7 Planning for next Meetings

7.1 Conference Calls Schedule

|  |  |  |
| --- | --- | --- |
| **Meeting** | **Date** | **Time (UTC)** |
| SDS 58.3 | Tue 28 Mar 2023 | 12:00-13:30 |
| SDS 58.4 | Tue 11 Apr 2023 | 12:00-13:30 |

7.2 Next TP Meeting

TP 59 (virtual) – starts on 17 April 2023

8 Any other business

None

9 Closure of meeting

SDS 58.2 ended at 13:28 (UTC).