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| MINUTES |
| Meeting: | SSC 12 |
| Chair: | Convener: Dale Seed, Convida Wireless  |
| Secretary: | Karen Hughes, ETSIKatie Bagwill, ATIS |
| Meeting Date: | 28 April 2022 |
| Meeting Details: | SSC 12Dial in |
| Intended purpose ofdocument: | [x]  Decision[ ]  Discussion[ ]  Information[ ]  Other <specify> |
| Template Version:23 February 2015 (Do not modify) |

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1 Opening of the meeting

1.1 Welcome

Dale Seed, Convener of the Sustainability Sub-Committee, opened the call and welcomed the participants to the meeting. He then drew the participants’ attention to the oneM2M notice on the cover page of the agenda.

2 Review & Approval of Agenda

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| [SSC-2022-0003](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34707&fromList=Y) | [SSC 12 Agenda](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34707&fromList=Y) | SSC Convener |

SSC-2022-0003 was AGREED

3 Review & Approval of Previous Minutes

N/A

4 Recap of SSC 2022 workplan discussion

Dale reminded participants that the intent of the subcommittee is to advocate for how IoT and the oneM2M can have a positive role for sustainability and create a forum in this group where they can promote the oneM2M standard externally. Additionally, there is an intent to recruit new participants to oneM2M activities beyond standards experts and identify requirements that could feed into other WG activities.

It was noted that last year SSC was created, and the group generated various content, webinars, articles, blog posts, and tweets to share the role of IoT in enabling sustainability. The goal for this year is to build upon these efforts by digging deeper to generate more “technical” content. To facilitate this, the group developed two cases studies. The first focuses on the oneM2M standard to see how it aligns with sustainability, looking at both the positives and shortcomings of the standard, and identify opportunities for further enhancements and improvements. The second case study looks at real world IoT based deployments to see how they are being deployed and what the strengths and weaknesses of those approaches are. These case studies could result in internal oneM2M work or externally via white papers, liaisons, webinars, articles, and speaking engagements.

5 IoT sustainability case studies

5.1 oneM2M standard case study

Dale shared that there was an update to the oneM2M case study in SSC-2022-0002R01.

Feedback was sought regarding additional case studies. It was suggested that these could be pursued from several perspectives, including DSG frameworks and sustainable architecture. It was noted that the studies could relate to the oneM2M standard and clarify its impacts.

Andreas noted that data collection and retention should be reviewed for sustainability, as the collection and retention of unnecessary data could waste resources. It was asked how data collection could improve to avoid taxing resources. In regards to sustainability the data economy, Andreas raised the question of why one application/service operator should deploy all their own devices, when they could reuse existing ones from another operator. Sharing data, not necessarily without cost, could help with data economy. It would reduce the load on devices and extend the lifetime of devices and installations.

It was also suggested that hyperscale should be examined. It was noted that current networks varied widely and were still evolving, complicating the development and application of best practices. It was suggested that, by examining many scenarios, similarities could be identified to outline new best practices.

5.2 Real-world IoT deployment case study

Dale noted that he and Anand met with the product owners and their team for the fleet management solution in December. Anand noted that they and came up with a larger view and marketing material on how the tool is being used to solve customers problems. In May there should be a press release to share how oneM2M and these solutions can be seen together.

It was noted that the SSC had discussed reviewing several TCS deployments to gather more data on the efficacy of the oneM2M standard. Fleet management solutions was highlighted as a possible case study. It was noted, however, that as an active deployment there may be sensitivities to sharing data with the larger community. Anand volunteered to work with Fleet to obtain specific feedback from product owners.

It was noted that SSC was looking at multiple solutions and noted that these could progress once challenges are identified and validated. Dale encouraged participants to review the current work on the oneM2M standard case study and reach out with other ideas to supplement the case study via oneM2M\_SSC@list.onem2m.org.

6 2022 Meeting Schedule

* ~~SSC 11 - Thurs Feb 24 – 1-2pm UTC~~
* ~~SSC 12 - Thurs Apr 28 - 1-2pm UTC~~
* SSC 13 - Thurs Jun 23 - 1-2pm UTC
* SSC 14 - Thurs Aug 18 - 1-2pm UTC
* SSC 15 - Thurs Oct 20 - 1-2pm UTC
* SSC 16 - Thurs Dec 15 - 1-2pm UTC

7 Any other business

8 Closure of meeting

Dale thanked the delegates for their participation and closed the meeting at 14:03 UTC.