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| MINUTES | |
| Meeting: | SSC 8 |
| Chair: | Convener: Dale Seed, Convida Wireless |
| Secretary: | Karen Hughes, ETSI  Katie Bagwill, ATIS |
| Meeting Date: | 21 October 2021 |
| Meeting Details: | SSC 8  Dial in |
| Intended purpose of  document: | Decision  Discussion  Information  Other <specify> |
| Template Version:23 February 2015 (Do not modify) | |

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, 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-2021-0023R01](https://member.onem2m.org/Application/documentApp/documentinfo/?documentId=34162&fromList=Y) | SSC 8 Agenda | SSC Convener |

SSC-2021-0023R01 was AGREED

3 Review & Approval of Previous Minutes

N/A

4 Action Item Status

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Number | Action | | Responsible | Status |
| A-SSC-1\_001 | |  |  |  |

5 Review SSC Workplan

1. High Level Next Steps

Dale reminded participants of the high-level strategy of how they want to organize the work.

1. Speaking Events - Completed

Dale noted that there were no updates since the September SSC meeting.

1. Speaking Events - Potentials

Dale noted that GCF sponsored oneM2M Technology Overview in India (Oct 22, 2021) that he and Bob Flynn will be speaking at.

Other potential events for speakers include IoT World, Call and Contact Center Expo, IoT Tech Expo Europe, Embedded Technology Convention ASIA, and Embedded Technology Convention USA.

1. Liaison Activities

AIOTI - Digital for Green

oneM2M SSC presented an overview and collaboration proposal at the AIOTI Digital for Green monthly meeting on 4 June 2021 and Digital for Green presented an overview of their vision document to oneM2M SSC at the July 22nd SSC 5 meeting. There were no updates.

ATIS Next G Alliance – Green G

The Liaison Statement from SSC to ATIS Next G Alliance, specifically the Green G working group, had been approved and transmitted August 17th.

Dale noted that this group has been busy and that once the current case studies are further along they can begin to reach out to identify collaboration topics within those.

NGMN’s Green G Future Networks

A liaison statement was sent to NGMN’s Green G Future Networks Group on September 14th. Dale reminded participants that a oneM2M SSC representative is needed and once the current case studies are further along they can begin to reach out to identify collaboration topics within those.

1. Webinars

The webinar took on 20 July 2021 to speak about sustainability from several angles, including a speaker from DT sharing work on low code implementation for oneM2M on constrained devices to reduce the footprint on those devices. There were no updates.

1. Articles

Dale Noted a new article, *IoT Sensors for IoT Systems – What You Need to Know*, that can be found here: [<https://www.architectureandgovernance.com/app-tech/iot-sensors-for-iot-systems-what-you-need-to-know/>](https://www.architectureandgovernance.com/app-tech/iot-sensors-for-iot-systems-what-you-need-to-know/)

1. White Papers

Dale shared that the final White Paper was published and can be found here: <https://www.onem2m.org/images/images/files/oneM2MSustainableIoT_WP_Release1.pdf>

1. Case Study Ideas

Dale noted that the main topics of discussion today are the candidate case-study topics below.

Candidate Case-studies (1/4)

Dale noted that there was an opportunity to look into TCS’ IoT centric solutions.

Anand noted that TCS is currently working on getting the necessary paperwork to determine what format their data can be shared in.

Candidate Case-studies (2/4)

Dale shared the next potential case study on Resource-Efficient IoT Edge Systems (Riot-ES). They are specifically looking at energy efficiency and ways to maximize that. It would be useful to evaluate their viewpoints and potentially identify current shortcomings in oneM2M standards. Further discussion with Ricardo Vitorino (Riot-ES point of contact) will take place offline.

Candidate Case-studies (3/4)

Another suggested case study is to look at the TIA Sustainability Working Group Assessor Tool.

The tool allows companies to self-assess their sustainability and corporate social responsibility programs against industry best practices. It was suggested that this could exemplify options for measurement/traceability for oneM2M or other deployable solutions so that they may be tracked.

Ken mentioned that a paragraph highlighting this intent to develop a case study that could be posted on the oneM2M website may be useful to get some attention and motivation on this topic, since it would take time to get this information together for a full case study. Dale agreed and will reach out to Klaus Grobe (point of contact) and Ricardo.

Candidate Case-studies (4/4)

Dale shared that the oneM2M Sustainability Assessment case study has been started – See SSC-2021-0022. This will cover two topics:

Topic #1 – Review of oneM2M specifications to identify aspects/features that can make IoT deployments more sustainable and how they can help society reach sustainability goals

Topic #2 - Review of oneM2M specifications to identify aspects/features where there may be opportunities for further improvements / enhancements to enable more sustainably.

Dale presented SSC-2021-0022 where work has started to gather and provide an overview of the oneM2M features that enable more sustainable IoT deployments in a PowerPoint. These features include Streamlining IoT Message Sizes, Offloading processes from apps to service layer, Alleviating time synchronization burden from IoT devices, and Supporting sleepy IoT devices.

The next step for this case study would be to identify shortcoming/opportunities for further improvements/enhancements to oneM2M that could enable more sustainable IoT deployments.

Dale invited participants to reach out to him if they would like to collaborate on this work item.

6 Planning for next Meetings

* SSC 9: 30 November 2021, 13:00-14:30 UTC
* SSC 10: 15 December 2021, 13:00-14:30 UTC

7 Any other business

8 Closure of meeting

Dale thanked the delegates for their participation and closed the meeting at 13:07 UTC.