

TSG-SX Correspondence

Dr. Xiaowu (Frankle) Zhao
Chair, 3GPP2 TSG-SX
ZTE Corporation
tsgsx_chair@3GPP2.org

December 4, 2014

To:
Omar Elloumi
Alcatel-Lucent
Chair, oneM2M TP
oneM2M_liaison@list.onem2m.org

Subject: Review of Technical Specifications

Dear Omar:

3GPP2 TSG-SX has reviewed your initial Candidate Release of Technical Specifications and we have the following comments:

- Comments on oneM2M architecture spec (TS-0001):
 1. X.P0068 should be X.S0068;
 2. Please add 3GPP2 in addition to 3GPP in the following places:
 - Section 6.2.8.2: The M2M System allows the Underlying Networks to control network service procedures and information exchange over the Underlying Networks while providing such network services. For example, for the 3GPP networks, the Underlying Network can choose to provide the network services based on control plane signalling mechanisms. For the 3GPP2 networks, the Underlying Network can choose to provide the network services based on control plane or user plane mechanisms.
 - Section 8.3: Interworking for services and security aspects for MTC (Machine Type Communications) has been defined by 3GPP and 3GPP2.
 - Section 8.4.1: Each Underlying Network type may provide different way of performing a device triggering, for example 3GPP and 3GPP2 has have defined a dedicated interface for requesting device triggering. The normative references for applicable interfaces are as follows: TS 123 682 [i.17] and 3GPP2 X.S0068 [i.20]. Access specific mechanisms are covered in the annexes B and C.
 - Section 8.4.2.1:
Step-2: Underlying network selection

The IN-CSE selects the Underlying Network and the mechanism to deliver the triggering request to the Underlying Network according to the configuration for connected Underlying Networks.

For example for 3GPP access network IN-CSE can use Tsp, Tsms and GSMA OneAPI and 3GPP2 access network IN-CSE can use Tsp and sms, but the preferred mechanism for both access networks is Tsp.

3. MEID (Mobile Equipment Identifier) is not defined in Abbreviations and Acronyms but has been used in the document.
4. We should also clarify that SMS can also be used for M2M triggering in 3GPP2. For example, in Annex C:

- Indirect Model - M2M Service Provider controlled communication:

- Uses an M2M Server that is an entity outside the 3GPP2 Underlying Network operator domain for enabling communications between the Applications in the external network and at the UEs used for M2M. Tsp interface or SMS interface is an external interface that the third party M2M Server supports with the entities that are within the 3GPP2 Underlying Network domain.

- Indirect Model - 3GPP2 Operator controlled communication:

- Uses an M2M Server that is an entity inside the 3GPP2 Underlying Network operator domain for enabling communications between the Applications in the external network and at the UEs used for M2M. Tsp interface or SMS interface is an internal interface that the 3GPP2 Underlying Network operator controlled M2M Server supports with other entities within the 3GPP2 Underlying Network domain.

- Comments on oneM2M Requirements spec (TS-0002):
 1. Suggest to add the reference to 3GPP2 S.R0146 (M2M System Requirements) in the Informative reference. http://www.3gpp2.org/Public_html/specs/S.R0146-0_v1.0_M2M_System_Requirements_20120829.pdf.
- Comments on oneM2M Protocol Core spec (TS-0004):
 1. Some used Abbreviations are not defined. For instance it uses 3GPP2 and MQTT without defining them. Note a check should be done with all the documents.

2. It only lists a normative Annex for device triggering for 3GPP. A similar Annex (like B.2 under B annex) should be included for 3GPP2. Note that in section 5.1.1 references to 3GPP2 device triggering to Annex B.1 which is not right. It should refer to Annex B.2 once it is added in the document.
- Comments on oneM2M Management Enablement (OMA) Spec (TS-0005):
 1. 3GPP TS 23.003 should be excluded from the Management Enablement (OMA) Spec as a reference. 3GPP TS 23.003 does not define IMEI URN. The IMEI URN is defined in RFC7254. Note the MEID URN has also a definition in draft-atarius-dispatch-meid-urn, which should be added as a reference. Note currently, this document does not list MEID URN as a device identifier.
 - Comments on oneM2M Definitions and Acronyms Spec (TS-0011):
 1. Document Definitions and Acronyms seem to be missing a lot.
 - In addition, we would like to know the following from oneM2M:
 - Does oneM2M plan to specify the payload of triggering message?
 - Is there any deployment or planned deployment for oneM2M service layers?
 - Are there any test specs and test equipment for oneM2M service layer?
 - For different M2M apps (for example, smart-grid, water meter, health care, vehicles, etc), how does oneM2M service layer work? Should a subset or profiling for each of these application classes be specified and implemented?

Regards,



Dr. Xiaowu (Frankle) Zhao
Chair, 3GPP2 TSG-SX

cc: Ms. Jane Brownley	Chair, 3GPP2 Steering Committee	sc_chair@3gpp2.org
Ms. Victoria Mitchell	Director, 3GPP2	vmitchell@tiaonline.org
Dr. Ed Tiedemann	Chair, 3GPP2 TSG-AC	tsgac_chair@3gpp2.org