LIAISON STATEMENT

Title:*	API definition for SCEF
Source:*	oneM2M Technical Plenary
Date:*	2016-10-21
To:*	3GPP SA,
Copy to:	3GPP SA2, OMA-ARC
In response to:	n/a
Send replies to:*	Replies to this LS should be sent to oneM2M_liaison@list.onem2m.org
List of attachments:	n/a

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1   Overview

oneM2M has published its second release and is now starting its work on Rel-3.

An important part of the work in previous oneM2M releases concerned interworking with the 3GPP System and this triggered creation of work items in 3GPP (SEES, AESE, MONTE, GROUPE) to expose 3GPP service capabilities via a standardized interface to third parties.

While 3GPP specified the functionality of the Service Capability Exposure Function (SCEF) in TS23.682, it left specification of an API to enable access these functions by 3rd parties to other SDOs.

However, specifying the northbound APIs from a 3GPP network element that is outside of our scope is proving challenging. Especially when you consider that oneM2M's scope is limited to IoT, while 3GPP capabilities such as MONTE are intended for all types of UEs.

From the ongoing oneM2M analysis of the different functionality that may be exposed via SCEF APIs, there appear to be many APIs which would be better served if developed directly by 3GPP. In particular, Non-IP Data Delivery (NIDD) for NB-IoT seems particularly challenging to develop outside of 3GPP, given that there are multiple design challenges that are beyond the traditional scope of the API developer, e.g. segmentation and reassembly of data that is too large for one NIDD MTU, max packet size for each APN, and the fact that NIDD data might be sent via SCEF, or the P-GW.

2   Requested Action

oneM2M therefore asks 3GPP to re-consider the specification of standardized northbound APIs from the SCEF as within the scope of 3GPP, with the support of oneM2M, to deliver these APIs in a timely manner, starting with the completion of the Non-IP Data Delivery (NIDD) API. We are communicating with OMA regarding the path forward.

We would like to ensure support for CIoT interworking is part of oneM2M Release 3 which is scheduled to finish by Q4/2017.

oneM2M is ready and willing to actively support this work of common interest.

3 Next Meeting Dates

Monday 05 December 2016 - Friday 09 December 2016
oneM2M Technical Plenary 26

Monday 13 February 2017 - Friday 17 February 2017
oneM2M Technical Plenary 27

Monday 27 March 2017 - Friday 31 March 2017
oneM2M Technical Plenary 28