LIAISON STATEMENT

Title:	LS to 3GPP, GSMA, IETF, oneM2M, Wi-Fi Alliance on LwM2M Connectivity Mgmt. enhancements for MIoT	☒ Public	☐ Confidential LS[1]
Date:	23 Feb 2017		
To:	3GPP SA1, SA2, CT1, RAN2, RAN3, GSMA, IETF CORE, IETF LP-WAN, oneM2M, Wi-Fi Alliance		
Copy:	n/a		
Response to:	n/a		
Source:	OMA DM of the Open Mobile Alliance		
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Attachments:	n/a		

1   Overview

The OMA DM WG would like inform 3GPP, GSMA, IETF, oneM2M, Wi-Fi Alliance about its recent enhancements to the existing Connectivity Management (ConnMgmt) enabler. ConnMgmt comprises of a set of LWM2M Objects providing connectivity management functions for cellular network and WLAN connectivity.

OMA is currently working on the completion of the latest version which is ConnMgmt v1.1. This version has been enhanced in particular to accommodate the needs for Mobile IoT (MIoT) device configuration. ConnMgmt v1.1 includes the following LMW2M Objects:

    a. Cellular Connectivity (Object ID 10) incl. e.g., PSM, Active timer, and eDRX configuration of values requested by the device, Serving PLMN rate control

    b. APN Connection Profile (Object ID 11) incl. various APN settings, PDN type selection, APN rate control

    c. WLAN Connectivity (Object ID 12)

    d. Bearer Selection (Object ID 13)

    e. Communication Characteristics (Object ID 17) incl. CoAP specific parameters

    f. Non-Access Stratum (NAS) Configuration (Object ID 18) which is the "mirror" LwM2M Object to the OMA DM Management Object in 3GPP TS 24.368.

The latest draft version of the ConnMgmt 1.1 TS can be found at [1]. ConnMgmt 1.1 can be used with the LwM2M 1.0 protocol or any future version.

OMA DM is planning to move ConnMgmt 1.1 towards Candidate approval by March 2017.

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[1] If the "Confidential LS" box is selected, this liaison statement is intended to be Confidential per agreement by OMA and the addressed organization. Neither side should make this communication available to non-members.

2   Requested Action(s)

N/A

3   Conclusion

OMA DM WG would like inform 3GPP, GSMA, IETF, oneM2M, WiFi-Alliance about the enhancements for MIoT connectivity management. In case there are any comments to the draft enhancements, or suggestions for further enhancements please do not hesitate to raise them to OMA DM. Given the extendible LwM2M data model, enhancements to enable further management functions can be done at any time.

4   References

[1] http://member.openmobilealliance.org/ftp/Public_documents/DM/LightweightM2M/Permanent_documents/OMA-TS-LWM2M_ConnMgmt-V1_1-20170201-D.zip