|  |  |
| --- | --- |
| Work Item | |
| Work Item Title:\* | LWM2M Interworking Proxy |
| Document Number\* | WI-xxxx-LWM2M\_Interworking-V0\_1\_0 |
| Supporting Members or Partner type 2\* | ALU (TIA, ATIS)  Gemalto (ETSI)  Eurecom (ETSI)  Huawei (CCSA) |
| Date:\* | 2015-01-20 |
| Abstract:\* | Proposes a work itemto produce a interworking specification between oneM2M IN/MN CSEs and LWM2M Servers and Clients based on the TS-0001 Annex F architecture. |

oneM2M Copyright statement

No part may be reproduced except as authorized by written permission.

The copyright and the foregoing restriction extend to reproduction in all media.

All rights reserved.

Title

LWM2M Interworking Specification

Output

New Technical Specification that specifies the interworking scenarios and solutions

Modification o f TS-0002 to incorporate new requirements discovered during this work.

Impact

Impact on other Technical Specifications and Technical Reports

This work item might have an impact on TS-0002 for new requirements.

This work item would rely on work contained within TR-0007 (Abstraction and Semantics) for the LWM2M Object Translation Proxy.

Impact on other oneM2M Work Items;

The current work item is expected to have impact on WI-0005 (Abstraction & Semantics Capability Enablement) and vice versa.

Scope

Annex F of TS-0001 describes possible interworkings for non-oneM2M Applications

Hybrid Application

CSE(s)

Non oneM2M interface

Mca

Inter-working Proxy

Mca

(note 1)

Hybrid Application

Non oneM2M interface

Mca

Non oneM2M Application

Non oneM2M interface

Inter-working Proxy

Mca

oneM2M native Application

Mca

The objective of the technical specification would be to specify the functionality of the Inter-working Proxy for LWM2M Application.

The LWM2M Interworking Proxy would encompass the following interworking scenarios as described in Annex F of TS-0001:

1. Interworking using containers for transparent transport of encoded non-oneM2M data and commands via Mca.
2. Interworking with full mapping of the semantic of the non-oneM2M data model to Mca.

Note: The scenario where LWM2M application objects are translated into oneM2M Management Objects is not considered part of this work item and is FFS.

Minimallyis expected to specify the following interworking functionality

Schedule

Provide the schedule of tasks to be performed;

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Doc  Type | Spec Number | Title | Milestone dates | | | | Primary Responsible | Notes |
| Start | Change Control | Freeze | Approval |
| TS | 000x |  | TP#16 | TP#21 | TP#21 | TP#23 | WG2 | WG2 will collaborate closely with all other WGs.  Translation scenario is |

Supporters

Alcatel-Lucent (TIA, ATIS), Gemalto (ETSI), Eurecom (ETSI) Huawei (CCSA)

Work Item Rapporteurs.

Timothy Carey (Alcatel-Lucent)

History

|  |  |  |
| --- | --- | --- |
| **Document history** | | |
| <Version> | <Date> | <Milestone> |
| V0.1.0 | 08 January 2015 | Initial proposal |
|  |  |  |