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Foreword

This Technical Specification (TS) has been produced by ETSI Partnership Project oneM2M (oneM2M).

1 Scope

The present document specifies the interworking capabilities of the M2M Service Layer between ASN/IN/MN CSEs and LWM2M Endpoints using the architecture identified in Annex F of ETSI TS 118 101 [2] for the following interworking scenarios:

- Interworking for transparent transport of encoded LWM2M Objects and commands in Content Sharing Resources between LWM2M Endpoints and M2M Applications.
- Interworking with full mapping of LWM2M Objects in LWM2M Endpoints to semantically enabled Content Sharing Resources that are utilized by M2M Applications.

NOTE: The present document limits Content Sharing Resources to <container> and <contentInstance> resources.

2 References

2.1 Normative references

References are either specific (identified by date of publication and/or edition number or version number) or non-specific. For specific references, only the cited version applies. For non-specific references, the latest version of the referenced document (including any amendments) applies.

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The following referenced documents are necessary for the application of the present document.

[1] ETSI TS 118 111: "oneM2M; Common Terminology (oneM2M TS-0011)".

[2] ETSI TS 118 101: "oneM2M Functional Architecture (oneM2M TS-0001)".

[3] OMA-TS-LightweightM2M-V1-0-20150318-D: "Lightweight Machine to Machine Technical Specification".

[4] ETSI TS 118 103: "oneM2M; Security solutions (oneM2M TS-0003)".

2.2 Informative references

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The following referenced documents are not necessary for the application of the present document but they assist the user with regard to a particular subject area.

[i.1] oneM2M Drafting Rules.

NOTE: Available at http://www.onem2m.org/images/files/oneM2M-Drafting-Rules.pdf

[i.2] IETF RFC 7252: "Constrained Application Protocol (CoAP)".

[i.3] IETF RFC 6347: "Datagram Transport Layer Security Version 1.2".

[i.4] OMA OMA-RD-LightweightM2M-V1-0: "OMA Lightweight Machine to Machine Requirement".