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| Work Item |
| Work Item Title:\* | oneM2M testing framework |
| Document Number\* | WI-0027-Testing\_Framework-V1\_1\_0 |
| Supporting Members or Partner type 2\* | KETI, Dt&C, Huawei Technologies, LG Electronics, iconectiv, Sierra Wireless |
| Date:\* | 2016-03-16 |
| Abstract:\* | Proposal of a work item to produce a testing framework describing the oneM2M test methodology |

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Title

 oneM2M Testing Framework

Output

Technical Specifications:

* Test framework defining methodology for testing oneM2M specifications

Impact

Impact on other Technical Specifications and Technical Reports

Direct impact is expected on all testing related Technical Specifications including TS-0013 (Interoperability Test Descriptions of oneM2M Primitives over HTTP binding)

This work is likely to result in direct feedback to the existing Technical Specifications.

Impact on other oneM2M Work Items;

None expected.

Scope

The scope of the present document is to support oneM2M framework testing needs. It specifies a global methodology for testing, based on oneM2M specifications. It provides definitions and guidance for developing Test specifications. It analyzes the overall testing needs and identifies and defines the testing documentation required.

The testing framework proposed in the present document provides methodology for development of conformance and interoperability test strategies, test systems and the resulting test specifications for oneM2M standards.

The proposed methodology will be based on analysis of various test methodologies

The proposed document shall at least address:

* Common set of definitions and conventions
* Interoperability Testing methodology
* Conformance Testing methodology
* Guidelines for development of test specifications and test suites

Schedule

Provide the schedule of tasks to be performed;

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| --- | --- | --- | --- | --- | --- |
| DocType | Spec Number | Title | Milestone dates | Primary Responsible | Notes |
| Start  | Change Control  | Freeze | Approval |
| TS | TBD | oneM2M Testing Framework | TP#16 | TP#18 | TP#23 | TP#23 | WG TST |  |

Supporters

KETI, Dt&C , Huawei Technologies , LG Electronics, iconectiv, Sierra Wireless

Work Item Rapporteurs.

Jiaxin Yin , Huawei Technologies

History

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| **Document history** |
| V1.0.0 | 21 Jan 2015 | Initial proposal |
| V1.1.0 | 16 March 2016 | Update schedule |
| 21 April 2016 | Uploaded to the WPM area of the portal following approval of TP-2016-0063 |