



TestFest	Registration Summary
<b>Implementations Tested</b>	<ul style="list-style-type: none"> <li>- 5 Servers</li> <li>- 4 Clients</li> </ul>
<b>Engineers Registered</b>	
<b>Companies Attended</b>	<b>7</b> Including: <ul style="list-style-type: none"> <li>○ AVSystem</li> <li>○ Altair</li> <li>○ Ericsson</li> <li>○ Institute for Information Industry</li> <li>○ IoTerop</li> <li>○ Nokia</li> <li>○ Samsung</li> </ul>
<b>Enabler Test Specifications used:</b>	
V1.0 - <a href="#">OMA-ETS-LightweightM2M-V1 1-20190912-D.pdf</a>	
<b>Issues Raised During the TestFest Event:</b>	
<a href="https://github.com/OpenMobileAlliance/OMA_LwM2M_for_Developers/issues">https://github.com/OpenMobileAlliance/OMA_LwM2M_for_Developers/issues</a>	

Session Number	Test Result Submissions
<b>07 Oct</b>	7
<b>08 Oct</b>	6
<b>09 Oct</b>	4
<b>10 Oct</b>	2
<b>Total</b>	<b>19</b>



OMA Test Cases -Korea TestFest, 07 - 11 Oct 2019

Consolidated v1.1 Results

Answer Options	Response Count
07-Oct	7
08-Oct	6
09-Oct	4
10-Oct	2
	19

Answer Options	Pass	Fail	Inconclusive	Not Applicable	Out of Time	Response Count
<b>Bootstrap Interface</b>						
LightweightM2M-1.1-int-0 Client Initiated Bootstrap	19	0	0	0	0	19
LightweightM2M-1.1-int-Client Initiated Bootstrap Full (PSK)	18	0	0	1	0	19
LightweightM2M-1.1-int-2 Client Initiated Bootstrap Full (Cert)	6	0	0	13	0	19
LightweightM2M-1.1-int-3 Simple Bootstrap from Smartcard	4	0	0	15	0	19
LightweightM2M-1.1-int-4 Bootstrap Delete	14	0	0	5	0	19
LightweightM2M-1.1-int-5 Server Initiated Bootstrap	15	0	0	4	0	19
LightweightM2M-1.1-int-6 Bootstrap Sequence	14	0	0	5	0	19

## Results by Test Case:

LightweightM2M-1.1-int-7 Fallback to bootstrap	15	0	0	4	0	19
LightweightM2M-1.1-int-8 Bootstrap Read	11	0	0	8	0	19
LightweightM2M-1.1-int-9 Bootstrap and Configuration Consistency	10	0	0	9	0	19
<b>Registration Interface</b>						
LightweightM2M-1.1-int-101 - Initial Registration	19	0	0	0	0	19
LightweightM2M-1.1-int-102 - Registration Update	19	0	0	0	0	19
LightweightM2M-1.1-int-103 - Deregistration	19	0	0	0	0	19
LightweightM2M-1.1-int-104 - Registration Update Trigger	19	0	0	0	0	19
LightweightM2M-1.1-int-105 - Discarded Register Update	13	0	0	6	0	19
LightweightM2M-1.1-int-106 - TCP Binding	3	0	0	15	0	18
LightweightM2M-1.1-int-107 - Extending the lifetime of a registration	18	0	0	1	0	19
LightweightM2M-1.1-int-108 - Turn on Queue Mode	14	0	0	5	0	19
LightweightM2M-1.1-int-109 - Behavior in Queue Mode	14	0	0	5	0	19
<b>Device management &amp; Service Enablement Interface</b>						
LightweightM2M-1.1-int-201 - Querying basic information in Plain Text format	19	0	0	0	0	19
LightweightM2M-1.1-int-203 - Querying basic information in TLV format	19	0	0	0	0	19
LightweightM2M-1.1-int-204 - Querying basic information in JSON format	19	0	0	0	0	19
LightweightM2M-1.1-int-205 - Setting basic information in Plain Text format	19	0	0	0	0	19
LightweightM2M-1.1-int-211 - Querying basic information in CBOR format	10	0	0	9	0	19
LightweightM2M-1.1-int-212 - Setting basic information in CBOR format	8	0	0	11	0	19
LightweightM2M-1.1-int-215 - Setting basic information in TLV format	19	0	0	0	0	19
LightweightM2M-1.1-int-220 - Setting basic information in JSON format	15	0	0	4	0	19
LightweightM2M-1.1-int-221 - Attempt to perform operations on Security Object (ID: 0)	18	0	0	1	0	19
LightweightM2M-1.1-int-222 - Read on Object	19	0	0	0	0	19
LightweightM2M-1.1-int-223 - Read on Object Instance	19	0	0	0	0	19
LightweightM2M-1.1-int-224 - Read on Resource	19	0	0	0	0	19
LightweightM2M-1.1-int-225 - Read on Resource Instance	14	0	0	5	0	19
LightweightM2M-1.1-int-226 - Write (Partial Update) on Object Instance	17	0	0	2	0	19
LightweightM2M-1.1-int-227 - Write (replace) on Resource	18	0	0	1	0	19
LightweightM2M-1.1-int-228 - Write on Resource Instance	14	0	0	5	0	19
LightweightM2M-1.1-int-229 - Read-Composite Operation	7	0	0	12	0	19
LightweightM2M-1.1-int-230 - Write-Composite Operation	7	0	0	12	0	19
LightweightM2M-1.1-int-231 - Querying basic information in SenML JSON format	17	0	0	2	0	19
LightweightM2M-1.1-int-232 - Querying basic information in SenML CBOR format	17	0	0	2	0	19

## Results by Test Case:

LightweightM2M-1.1-int-233 - Setting basic information in SenML CBOR format	16	0	0	3	0	19
LightweightM2M-1.1-int-234 - Setting basic information in SenML JSON format	16	0	0	3	0	19
LightweightM2M-1.1-int-235 - Read-Composite Operation on root path	4	0	0	15	0	19
LightweightM2M-1.1-int-236 - Read-Composite - Partial Presence	7	0	0	12	0	19
LightweightM2M-1.1-int-237 - Read on Object without specifying Content-Type	17	0	0	2	0	19
LightweightM2M-1.1-int-241 - Executable Resource: Rebooting the device	19	0	0	0	0	19
LightweightM2M-1.1-int-256 - Write Operation Failure	18	0	0	1	0	19
LightweightM2M-1.1-int-257 - Write-Composite Operation	7	0	0	12	0	19
LightweightM2M-1.1-int-260 - Discover Command	13	0	0	5	1	19
LightweightM2M-1.1-int-261 - Write-Attribute Operation on a multiple resource	6	0	0	13	0	19
LightweightM2M-1.1-int-280 - Successful Read-Composite Operation	7	0	0	12	0	19
LightweightM2M-1.1-int-281 - Partially Successful Read-Composite Operation	7	0	0	12	0	19
<b>INFORMATION REPORTING INTERFACE</b>						
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values	19	0	0	0	0	19
LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation	18	0	0	1	0	19
LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter	8	0	0	11	0	19
LightweightM2M-1.1-int-304 - Observe-Composite Operation	6	0	0	13	0	19
LightweightM2M-1.1-int-305 - Cancel Observation-Composite Operation	6	0	0	13	0	19
LightweightM2M-1.1-int-306 - Send Operation	4	0	0	15	0	19
LightweightM2M-1.1-int-307 - Muting Send	4	0	0	15	0	19
LightweightM2M-1.1-int-308 - Observe-Composite and Creating Object Instance	3	0	0	16	0	19
LightweightM2M-1.1-int-309 - Observe-Composite and Deleting Object Instance	3	0	0	16	0	19
LightweightM2M-1.1-int-310 - Observe-Composite and modification of parameter values	5	0	0	14	0	19
LightweightM2M-1.1-int-311 - Send command	4	0	0	15	0	19
<b>SECURITY</b>						
LightweightM2M-1.1-int-401 - UDP Channel Security - Pre-shared Key Mode	17	0	0	1	0	18
LightweightM2M-1.1-int-402 - UDP Channel Security - Certificate Mode	6	0	0	13	0	19
LightweightM2M-1.1-int-403 - UDP Channel Security - Certified Mode (Server Identify Verification Failure)	6	0	0	13	0	19
LightweightM2M-1.1-int-404 - TCP Channel Security - Certificate Mode	2	0	0	17	0	19
LightweightM2M-1.1-int-405 - OSCORE Security	2	0	0	16	1	19
<b>LWM2M SERVER (ID 3)</b>						
LightweightM2M-1.1-int-651 - Check Access to the Resources	19	0	0	0	0	19
LightweightM2M-1.1-int-652 - Querying the firmware version from the client	19	0	0	0	0	19
LightweightM2M-1.1-int-680 - Create Object Instance	15	0	0	3	1	19

## Results by Test Case:

LightweightM2M-1.1-int-685 - Delete Object Instance	16	0	0	2	1	19
<b>LWM2M CONNECTIVITY MONITORING (ID 4)</b>						
LightweightM2M-1.1-int-701 - Querying the readable resources of object	18	0	0	0	1	19
LightweightM2M-1.1-int-710 - Basic Observation and notification on Connectivity Monitoring Object Resources	18	0	0	0	1	19
<b>FIRMWARE UPDATE OBJECT (ID 5)</b>						
LightweightM2M-1.1-int-751 - Querying the readable resources	19	0	0	0	0	19
LightweightM2M-1.1-int-755 - Setting the writable Resource Package	19	0	0	0	0	19
LightweightM2M-1.1-int-756 - Setting the writable Resource Package URI	18	0	0	1	0	19
LightweightM2M-1.1-int-760 -Basic Observation and notification on Firmware Update Object Resources	19	0	0	0	0	19
LightweightM2M-1.1-int-770 - Successful Firmware update (via COAP)	17	0	0	2	0	19
LightweightM2M-1.1-int-771 - Successful Firmware update (via alternative mechanism)	18	0	0	1	0	19
LightweightM2M-1.1-int-772 - Error Case 1: firmware installation without downloaded package	18	0	0	1	0	19
LightweightM2M-1.1-int-773 - Error Case 2: shortage of storage memory	15	0	0	4	0	19
LightweightM2M-1.1-int-774 - Error Case 3: out of memory	15	0	0	4	0	19
LightweightM2M-1.1-int-775 - Error Case 4: Connection lost during download (package URI)	13	0	0	6	0	19
LightweightM2M-1.1-int-776 - Error Case 5: Package Integrity check failure	17	0	0	2	0	19
LightweightM2M-1.1-int-777 - Error Case 6: unsupported package type	19	0	0	0	0	19
LightweightM2M-1.1-int-778 - Error Case 7: invalid URI (package URI)	19	0	0	0	0	19
LightweightM2M-1.1-int-779 - Error Case 8: Unsuccessful Firmware Update	19	0	0	0	0	19
<b>LOCATION OBJECT (ID 6)</b>						
LightweightM2M-1.1-int-801 - Querying the readable resources of object	12	0	0	6	1	19
LightweightM2M-1.1-int-810 - Basic Observation and notification on Location Object Instance	12	0	0	6	1	19
<b>CONNECTIVITY STATISTICS (ID 7)</b>						
LightweightM2M-1.1-int-901 - Querying a Data Collection from Connectivity Object Instance	17	0	0	1	1	19
LightweightM2M-1.1-int-905 - Setting the writable resources	17	0	0	1	1	19
LightweightM2M-1.1-int-910 - Basic Observation and notification on Connectivity Monitoring Object Instance	17	0	0	1	1	19
<b>Multi-Servers Context</b>						
LightweightM2M-1.1-int-950 - Multi-Servers Registration	16	0	0	1	1	18
LightweightM2M-1.1-int-951 - Multi-Servers & Attributes	14	0	0	3	1	18
<b>CELLULAR NETWORK CONNECTIVITY (ID 10)</b>						

## Results by Test Case:

LightweightM2M-1.1-int-1200 - Querying the readable resources of Object ID:10	4	0	0	14	1	19
LightweightM2M-1.1-int-1201 - Querying the readable resources of Object ID:10 in version 1.1	4	0	0	14	1	19
LightweightM2M-1.1-int-1202 - Setting the Power Saving Mode Resources of Object ID:10	4	0	0	14	1	19
LightweightM2M-1.1-int-1203 - Observation and notification on Object ID:10 related to Power Saving Mode Resources	4	0	0	14	1	19
LightweightM2M-1.1-int-1204 - Observation and notification on Object ID: 10 related to timers	4	0	0	14	1	19
<b>APN CONNECTION PROFILE (ID 11)</b>						
LightweightM2M-CONMGMT-1.1-int-1250 - APN configuration	3	0	0	15	1	19
<b>BEARER SELECTION (ID 13)</b>						
LightweightM2M-CONMGMT-1.1-int-1350 - Bearer Selection	0	0	0	18	1	19
<b>PORTFOLIO OBJECT (ID 16)</b>						
LightweightM2M-1.1-int-1630 - Create Portfolio Object Instance	9	0	0	9	1	19
LightweightM2M-1.1-int-1635 - Delete Portfolio Object Instance	10	0	0	8	1	19
<b>BinaryAppDataContainer Object (ID 19)</b>						
LightweightM2M-1.1-int-1900 - Observation and notification on Object ID: 19	8	0	0	10	1	19
LightweightM2M-1.1-int-1901 - Setting the writable Resource Data	8	0	0	10	1	19
<b>Event Log Object (ID 20)</b>						
LightweightM2M-1.1-int-2000 - Control the Log Function	6	0	0	12	1	19
LightweightM2M-1.1-int-2001 - Querying the readable resources	8	0	0	10	1	19
<b>Totals</b>	<b>1355</b>	<b>0</b>	<b>0</b>	<b>648</b>	<b>26</b>	<b>2029</b>

### Explanation of Test Cases Results

Test Case Result	Criteria
Pass	Both teams agree that the Test Case "Pass Criteria" has been met.
Fail	Both teams agreed that the Test Case "Pass Criteria" was not met.
Inconclusive	Teams are not in agreement of the Test result or the Test Case has not been run due to functionality not being tested as a result of an error in the implementation or other functionality that is required to run this Test Case.
Not Applicable	Test Case that has not been run due to one of the implementations does not support the functionality required to run this Test Case.
Out of Time	There was not enough time to test the Test Case.