

## OMA Test Cases - Virtual TestFest, 22 - 30 March 2021

## Consolidated VTF V1.1 Results 3 Clients / 3 Servers

Atending Companies
AVSystem - http://www.avsystem.com/
oTerop - https://ioterop.com/
SD Technologies - https://www.6dtech.co.in/
Paradox Engineering - pdxeng.ch
Pelion - https://pelion.com/

Answer Options	Pass	Fail	Incon- clusive	Not Applicable	Out of Time	Response Count
Bootstrap Interface						
LightweightM2M-1.1-int-0 Client Initiated Bootstrap	4	0	0	2	1	7
LightweightM2M-1.1-int-Client Initiated Bootstrap Full (PSK)	3	0	0	3	1	7
LightweightM2M-1.1-int-2 Client Initiated Bootstrap Full (Cert)	2	0	0	4	1	7
LightweightM2M-1.1-int-3 Simple Bootstrap from Smartcard	0	0	0	6	1	7
LightweightM2M-1.1-int-4 Bootstrap Delete	4	0	0	2	1	7
LightweightM2M-1.1-int-5 Server Initiated Bootstrap	4	0	0	2	1	7
LightweightM2M-1.1-int-6 Bootstrap Sequence	4	0	0	2	1	7
LightweightM2M-1.1-int-7 Fallback to bootstrap	4	0	0	2	1	7
LightweightM2M-1.1-int-8 Bootstrap Read	2	0	0	4	1	7
LightweightM2M-1.1-int-9 Bootstrap and Configuration Consistency	2	0	0	4	1	7
Registration Interface						
LightweightM2M-1.1-int-101 - Initial Registration	7	0	0	0	0	7
LightweightM2M-1.1-int-102 - Registration Update	7	0	0	0	0	7
LightweightM2M-1.1-int-103 - Deregistration	6	0	1	0	0	7
LightweightM2M-1.1-int-104 - Registration Update Trigger	7	0	0	0	0	7
LightweightM2M-1.1-int-105 - Discarded Register Update	5	0	0	2	0	7
LightweightM2M-1.1-int-106 - TCP Binding	2	0	0	5	0	7
LightweightM2M-1.1-int-107 - Extending the lifetime of a registration	7	0	0	0	0	7
LightweightM2M-1.1-int-108 - Turn on Queue Mode	4	0	0	3	0	7
LightweightM2M-1.1-int-109 - Behavior in Queue Mode	4	0	0	3	0	7
Device management & Service Enablement Interface						
LightweightM2M-1.1-int-201 - Querying basic information in Plain Text format	7	0	0	0	0	7
LightweightM2M-1.1-int-203 - Querying basic information in TLV format	7	0	0	0	0	7
LightweightM2M-1.1-int-204 - Querying basic information in JSON format	7	0	0	0	0	7
LightweightM2M-1.1-int-205 - Setting basic information in Plain Text format	7	0	0	0	0	7
LightweightM2M-1.1-int-211 - Querying basic information in CBOR format	7	0	0	0	0	7
LightweightM2M-1.1-int-212 - Setting basic information in CBOR format	7	0	0	0	0	7
LightweightM2M-1.1-int-215 - Setting basic information in TLV format	7	0	0	0	0	7
LightweightM2M-1.1-int-220 - Setting basic information in JSON format	2	1	1	3	0	7
LightweightM2M-1.1-int-221 - Attempt to perform operations on Security Object (ID: 0)	5	1	0	1	0	7
LightweightM2M-1.1-int-222 - Read on Object	7	0	0	0	0	7
LightweightM2M-1.1-int-223 - Read on Object Instance	7	0	0	0	0	/

## Open Mobile Alliance

www.openmobilealliance.org

LightweightM2M-1.1-int-223 - Read on Object Instance	7	0	0	0	0	7
LightweightM2M-1.1-int-224 - Read on Resource	7	0	0	0	0	7
LightweightM2M-1.1-int-225 - Read on Resource Instance	6	1	0	0	0	7
LightweightM2M-1.1-int-226 - Write (Partial Update) on Object Instance	7	0	0	0	0	7
LightweightM2M-1.1-int-227 - Write (replace) on Resource	7	0	0	0	0	7
LightweightM2M-1.1-int-228 - Write on Resource Instance	7	0	0	0	0	7
LightweightM2M-1.1-int-229 - Read-Composite Operation	5	1	0	1	0	7
LightweightM2M-1.1-int-230 - Write-Composite Operation	6	1	0	0	0	7
LightweightM2M-1.1-int-231 - Querying basic information in SenML JSON format	7	0	0	0	0	7
LightweightM2M-1.1-int-232 - Querying basic information in SenML CBOR format	7	0	0	0	0	7
LightweightM2M-1.1-int-233 - Setting basic information in SenML CBOR format	7	0	0	0	0	7
LightweightM2M-1.1-int-234 - Setting basic information in SenML JSON format	6	1	0	0	0	7
LightweightM2M-1.1-int-235 - Read-Composite Operation on root path	3	1	0	3	0	7
LightweightM2M-1.1-int-236 - Read-Composite - Partial Presence	4	0	0	2	0	6
LightweightM2M-1.1-int-237 - Read on Object without specifying Content-Type	6	0	0	1	0	7
LightweightM2M-1.1-int-241 - Executable Resource: Rebooting the device	7	0	0	0	0	7
LightweightM2M-1.1-int-256 - Write Operation Failure	7	0	0	0	0	7
LightweightM2M-1.1-int-257 - Write-Composite Operation	6	1	0	0	0	7
LightweightM2M-1.1-int-260 - Discover Command	5	1	0	1	0	7
LightweightM2M-1.1-int-261 - Write-Attribute Operation on a multiple resource	4	0	0	2	1	7
LightweightM2M-1.1-int-280 - Successful Read-Composite Operation	5	0	0	1	1	7
LightweightM2M-1.1-int-281 - Partially Successful Read-Composite Operation	4	0	0	2	1	7
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INFORMATION REPORTING INTERFACE	4					
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values	6	0	0	0	1	7
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation	6 3	0	0	0 3	1 1	7
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter		_				
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter LightweightM2M-1.1-int-304 - Observe-Composite Operation	3	0	0	3	1	7
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter LightweightM2M-1.1-int-304 - Observe-Composite Operation LightweightM2M-1.1-int-305 - Cancel Observation-Composite Operation	3 6	0	0	3 0	1 1	7
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter LightweightM2M-1.1-int-304 - Observe-Composite Operation LightweightM2M-1.1-int-305 - Cancel Observation-Composite Operation LightweightM2M-1.1-int-306 - Send Operation	3 6 4	0 0	0 0	3 0 2	1 1 1	7 7 7
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter LightweightM2M-1.1-int-304 - Observe-Composite Operation LightweightM2M-1.1-int-305 - Cancel Observation-Composite Operation LightweightM2M-1.1-int-306 - Send Operation LightweightM2M-1.1-int-307 - Muting Send	3 6 4 4	0 0 0 0	0 0 0 0	3 0 2 2	1 1 1 1	7 7 7 7
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter LightweightM2M-1.1-int-304 - Observe-Composite Operation LightweightM2M-1.1-int-305 - Cancel Observation-Composite Operation LightweightM2M-1.1-int-306 - Send Operation LightweightM2M-1.1-int-307 - Muting Send LightweightM2M-1.1-int-308 - Observe-Composite and Creating Object Instance	3 6 4 4 6	0 0 0 0	0 0 0 0	3 0 2 2 0	1 1 1 1 1	7 7 7 7 7
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter LightweightM2M-1.1-int-304 - Observe-Composite Operation LightweightM2M-1.1-int-305 - Cancel Observation-Composite Operation LightweightM2M-1.1-int-306 - Send Operation LightweightM2M-1.1-int-307 - Muting Send LightweightM2M-1.1-int-308 - Observe-Composite and Creating Object Instance LightweightM2M-1.1-int-309 - Observe-Composite and Deleting Object Instance	3 6 4 4 6	0 0 0 0 0	0 0 0 0 0	3 0 2 2 2 0	1 1 1 1 1 1	7 7 7 7 7
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter LightweightM2M-1.1-int-304 - Observe-Composite Operation LightweightM2M-1.1-int-305 - Cancel Observation-Composite Operation LightweightM2M-1.1-int-306 - Send Operation LightweightM2M-1.1-int-307 - Muting Send LightweightM2M-1.1-int-308 - Observe-Composite and Creating Object Instance LightweightM2M-1.1-int-309 - Observe-Composite and Deleting Object Instance LightweightM2M-1.1-int-310 - Observe-Composite and modification of parameter values	3 6 4 4 6 4 3	0 0 0 0 0 0	0 0 0 0 0 0	3 0 2 2 2 0 2	1 1 1 1 1 1 2	7 7 7 7 7 7
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter LightweightM2M-1.1-int-304 - Observe-Composite Operation LightweightM2M-1.1-int-305 - Cancel Observation-Composite Operation LightweightM2M-1.1-int-306 - Send Operation LightweightM2M-1.1-int-307 - Muting Send LightweightM2M-1.1-int-308 - Observe-Composite and Creating Object Instance LightweightM2M-1.1-int-309 - Observe-Composite and Deleting Object Instance	3 6 4 4 6 4 3 3	0 0 0 0 0 0 0	0 0 0 0 0 0 0	3 0 2 2 0 2 2 2 2	1 1 1 1 1 1 2 2	7 7 7 7 7 7 7
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter LightweightM2M-1.1-int-304 - Observe-Composite Operation LightweightM2M-1.1-int-305 - Cancel Observation-Composite Operation LightweightM2M-1.1-int-306 - Send Operation LightweightM2M-1.1-int-307 - Muting Send LightweightM2M-1.1-int-308 - Observe-Composite and Creating Object Instance LightweightM2M-1.1-int-309 - Observe-Composite and Deleting Object Instance LightweightM2M-1.1-int-310 - Observe-Composite and modification of parameter values LightweightM2M-1.1-int-311 - Send command  SECURITY	3 6 4 4 6 4 3 3 3	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	3 0 2 2 0 2 2 2 2 2 2	1 1 1 1 1 1 2 2 2	7 7 7 7 7 7 7 7
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter LightweightM2M-1.1-int-304 - Observe-Composite Operation LightweightM2M-1.1-int-305 - Cancel Observation-Composite Operation LightweightM2M-1.1-int-306 - Send Operation LightweightM2M-1.1-int-307 - Muting Send LightweightM2M-1.1-int-308 - Observe-Composite and Creating Object Instance LightweightM2M-1.1-int-309 - Observe-Composite and Deleting Object Instance LightweightM2M-1.1-int-310 - Observe-Composite and modification of parameter values LightweightM2M-1.1-int-311 - Send command  SECURITY LightweightM2M-1.1-int-401 - UDP Channel Security - Pre-shared Key Mode	3 6 4 4 6 4 3 3 3	0 0 0 0 0 0 0 0	0 0 0 0 0 0 0	3 0 2 2 0 2 2 2 2 2 2	1 1 1 1 1 1 2 2 2	7 7 7 7 7 7 7 7
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter LightweightM2M-1.1-int-304 - Observe-Composite Operation LightweightM2M-1.1-int-305 - Cancel Observation-Composite Operation LightweightM2M-1.1-int-306 - Send Operation LightweightM2M-1.1-int-307 - Muting Send LightweightM2M-1.1-int-308 - Observe-Composite and Creating Object Instance LightweightM2M-1.1-int-309 - Observe-Composite and Deleting Object Instance LightweightM2M-1.1-int-310 - Observe-Composite and modification of parameter values LightweightM2M-1.1-int-311 - Send command  SECURITY LightweightM2M-1.1-int-401 - UDP Channel Security - Pre-shared Key Mode LightweightM2M-1.1-int-402 - UDP Channel Security - Certificate Mode	3 6 4 4 6 4 3 3 3 4	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	3 0 2 2 0 2 2 2 2 2 2 1	1 1 1 1 1 1 2 2 2 2	7 7 7 7 7 7 7 7 7
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter LightweightM2M-1.1-int-304 - Observe-Composite Operation LightweightM2M-1.1-int-305 - Cancel Observation-Composite Operation LightweightM2M-1.1-int-306 - Send Operation LightweightM2M-1.1-int-307 - Muting Send LightweightM2M-1.1-int-308 - Observe-Composite and Creating Object Instance LightweightM2M-1.1-int-309 - Observe-Composite and Deleting Object Instance LightweightM2M-1.1-int-310 - Observe-Composite and modification of parameter values LightweightM2M-1.1-int-311 - Send command  SECURITY LightweightM2M-1.1-int-401 - UDP Channel Security - Pre-shared Key Mode LightweightM2M-1.1-int-402 - UDP Channel Security - Certificate Mode LightweightM2M-1.1-int-403 - UDP Channel Security - Certificate Mode	3 6 4 4 6 4 3 3 3 4	0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0	3 0 2 2 2 0 2 2 2 2 2 1	1 1 1 1 1 1 2 2 2 2 2	7 7 7 7 7 7 7 7 7
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter LightweightM2M-1.1-int-304 - Observe-Composite Operation LightweightM2M-1.1-int-305 - Cancel Observation-Composite Operation LightweightM2M-1.1-int-306 - Send Operation LightweightM2M-1.1-int-307 - Muting Send LightweightM2M-1.1-int-308 - Observe-Composite and Creating Object Instance LightweightM2M-1.1-int-309 - Observe-Composite and Deleting Object Instance LightweightM2M-1.1-int-310 - Observe-Composite and modification of parameter values LightweightM2M-1.1-int-311 - Send command  SECURITY LightweightM2M-1.1-int-401 - UDP Channel Security - Pre-shared Key Mode LightweightM2M-1.1-int-403 - UDP Channel Security - Certificate Mode LightweightM2M-1.1-int-403 - UDP Channel Security - Certificate Mode LightweightM2M-1.1-int-404 - TCP Channel Security - Certificate Mode	3 6 4 4 6 4 3 3 3 4	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	3 0 2 2 0 2 2 2 2 2 1	1 1 1 1 1 2 2 2 2 2 2	7 7 7 7 7 7 7 7 7 7
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter LightweightM2M-1.1-int-304 - Observe-Composite Operation LightweightM2M-1.1-int-305 - Cancel Observation-Composite Operation LightweightM2M-1.1-int-306 - Send Operation LightweightM2M-1.1-int-307 - Muting Send LightweightM2M-1.1-int-308 - Observe-Composite and Creating Object Instance LightweightM2M-1.1-int-309 - Observe-Composite and Deleting Object Instance LightweightM2M-1.1-int-310 - Observe-Composite and modification of parameter values LightweightM2M-1.1-int-311 - Send command  SECURITY LightweightM2M-1.1-int-401 - UDP Channel Security - Pre-shared Key Mode LightweightM2M-1.1-int-402 - UDP Channel Security - Certificate Mode LightweightM2M-1.1-int-403 - UDP Channel Security - Certificate Mode	3 6 4 4 6 4 3 3 3 4 4	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	3 0 2 2 2 0 2 2 2 2 2 1	1 1 1 1 1 2 2 2 2 2 2 1 1	7 7 7 7 7 7 7 7 7 7
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter LightweightM2M-1.1-int-304 - Observe-Composite Operation LightweightM2M-1.1-int-305 - Cancel Observation-Composite Operation LightweightM2M-1.1-int-306 - Send Operation LightweightM2M-1.1-int-307 - Muting Send LightweightM2M-1.1-int-308 - Observe-Composite and Creating Object Instance LightweightM2M-1.1-int-309 - Observe-Composite and Deleting Object Instance LightweightM2M-1.1-int-310 - Observe-Composite and modification of parameter values LightweightM2M-1.1-int-311 - Send command  SECURITY LightweightM2M-1.1-int-401 - UDP Channel Security - Pre-shared Key Mode LightweightM2M-1.1-int-403 - UDP Channel Security - Certificate Mode LightweightM2M-1.1-int-403 - UDP Channel Security - Certificate Mode LightweightM2M-1.1-int-404 - TCP Channel Security - Certificate Mode	3 6 4 4 6 4 3 3 3 4 4 4 3 2 2	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	3 0 2 2 2 0 2 2 2 2 2 1	1 1 1 1 1 2 2 2 2 2 2 1 1 1	7 7 7 7 7 7 7 7 7 7 7
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter LightweightM2M-1.1-int-304 - Observe-Composite Operation LightweightM2M-1.1-int-305 - Cancel Observation-Composite Operation LightweightM2M-1.1-int-306 - Send Operation LightweightM2M-1.1-int-306 - Send Operation LightweightM2M-1.1-int-307 - Muting Send LightweightM2M-1.1-int-308 - Observe-Composite and Creating Object Instance LightweightM2M-1.1-int-309 - Observe-Composite and Deleting Object Instance LightweightM2M-1.1-int-310 - Observe-Composite and modification of parameter values LightweightM2M-1.1-int-311 - Send command  SECURITY LightweightM2M-1.1-int-401 - UDP Channel Security - Pre-shared Key Mode LightweightM2M-1.1-int-402 - UDP Channel Security - Certificate Mode LightweightM2M-1.1-int-403 - UDP Channel Security - Certificate Mode LightweightM2M-1.1-int-404 - TCP Channel Security - Certificate Mode LightweightM2M-1.1-int-404 - TCP Channel Security - Certificate Mode LightweightM2M-1.1-int-405 - OSCORE Security	3 6 4 4 6 4 3 3 3 4 4 4 3 2 2	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	3 0 2 2 2 0 2 2 2 2 2 1	1 1 1 1 1 2 2 2 2 2 2 1 1 1	7 7 7 7 7 7 7 7 7 7 7
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter LightweightM2M-1.1-int-304 - Observe-Composite Operation LightweightM2M-1.1-int-305 - Cancel Observation-Composite Operation LightweightM2M-1.1-int-306 - Send Operation LightweightM2M-1.1-int-307 - Muting Send LightweightM2M-1.1-int-308 - Observe-Composite and Creating Object Instance LightweightM2M-1.1-int-309 - Observe-Composite and Deleting Object Instance LightweightM2M-1.1-int-310 - Observe-Composite and modification of parameter values LightweightM2M-1.1-int-311 - Send command  SECURITY LightweightM2M-1.1-int-401 - UDP Channel Security - Pre-shared Key Mode LightweightM2M-1.1-int-402 - UDP Channel Security - Certificate Mode LightweightM2M-1.1-int-403 - UDP Channel Security - Certificate Mode LightweightM2M-1.1-int-404 - TCP Channel Security - Certificate Mode LightweightM2M-1.1-int-405 - OSCORE Security LWM2M SERVER (ID 3)	3 6 4 4 6 4 3 3 3 4 4 4 3 2 2	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0	3 0 2 2 0 2 2 2 2 2 1 2 3 4 4 6	1 1 1 1 1 2 2 2 2 2 2 1 1 1 1	7 7 7 7 7 7 7 7 7 7 7
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter LightweightM2M-1.1-int-304 - Observe-Composite Operation LightweightM2M-1.1-int-305 - Cancel Observation-Composite Operation LightweightM2M-1.1-int-306 - Send Operation LightweightM2M-1.1-int-307 - Muting Send LightweightM2M-1.1-int-308 - Observe-Composite and Creating Object Instance LightweightM2M-1.1-int-309 - Observe-Composite and Deleting Object Instance LightweightM2M-1.1-int-310 - Observe-Composite and modification of parameter values LightweightM2M-1.1-int-311 - Send command  SECURITY LightweightM2M-1.1-int-401 - UDP Channel Security - Pre-shared Key Mode LightweightM2M-1.1-int-402 - UDP Channel Security - Certificate Mode LightweightM2M-1.1-int-403 - UDP Channel Security - Certificate Mode LightweightM2M-1.1-int-404 - TCP Channel Security - Certificate Mode LightweightM2M-1.1-int-404 - TCP Channel Security - Certificate Mode LightweightM2M-1.1-int-405 - OSCORE Security  LWM2M SERVER (ID 3) LightweightM2M-1.1-int-651 - Check Access to the Resources	3 6 4 4 6 4 3 3 3 4 4 4 3 2 2 0	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0	3 0 2 2 2 0 2 2 2 2 2 1 2 3 4 4 6	1 1 1 1 1 1 2 2 2 2 2 2 1 1 1 1	7 7 7 7 7 7 7 7 7 7 7 7
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter LightweightM2M-1.1-int-304 - Observe-Composite Operation LightweightM2M-1.1-int-305 - Cancel Observation-Composite Operation LightweightM2M-1.1-int-307 - Muting Send LightweightM2M-1.1-int-307 - Muting Send LightweightM2M-1.1-int-308 - Observe-Composite and Creating Object Instance LightweightM2M-1.1-int-309 - Observe-Composite and Deleting Object Instance LightweightM2M-1.1-int-310 - Observe-Composite and modification of parameter values LightweightM2M-1.1-int-311 - Send command  SECURITY LightweightM2M-1.1-int-401 - UDP Channel Security - Pre-shared Key Mode LightweightM2M-1.1-int-402 - UDP Channel Security - Certificate Mode LightweightM2M-1.1-int-403 - UDP Channel Security - Certificate Mode LightweightM2M-1.1-int-404 - TCP Channel Security - Certificate Mode LightweightM2M-1.1-int-405 - OSCORE Security  LWM2M SERVER (ID 3) LightweightM2M-1.1-int-651 - Check Access to the Resources LightweightM2M-1.1-int-652 - Querying the firmware version from the client	3 6 4 4 6 4 3 3 3 4 4 4 3 2 2 0	0 0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0 0 0 0 0 0 0	3 0 2 2 2 0 2 2 2 2 2 1 2 3 4 4 6	1 1 1 1 1 1 2 2 2 2 2 2 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2	7 7 7 7 7 7 7 7 7 7 7 7 7

LWM2M CONNECTIVITY MONITORING (ID 4)						
LightweightM2M-1.1-int-701 - Querying the readable resources of object	3	0	0	3	1	7
	3	0	0	3	1	7
LightweightM2M-1.1-int-710 - Basic Observation and notification on Connectivity Monitoring Object Resources  FIRMWARE UPDATE OBJECT (ID 5)	3					
	2	0	0	2	1	7
LightweightM2M-1.1-int-751 - Querying the readable resources	3			3	-	
LightweightM2M-1.1-int-755 - Setting the writable Resource Package	3	0	0	3	1	7
LightweightM2M-1.1-int-756 - Setting the writable Resource Package URI	3	0	0	3	1	7
LightweightM2M-1.1-int-760 -Basic Observation and notification on Firmware Update Object Resources	3	0	0	3	1	7
LightweightM2M-1.1-int-770 - Successful Firmware update (via COAP)	2	0	0	4	1	7
LightweightM2M-1.1-int-771 - Successful Firmware update (via alternative mechanism)	3	0	0	3	1	7
LightweightM2M-1.1-int-772 - Error Case 1: firmware installation without downloaded package	3	0	0	3	1	7
LightweightM2M-1.1-int-773 - Error Case 2: shortage of storage memory	3	0	0	3	1	7
LightweightM2M-1.1-int-774 - Error Case 3: out of memory	3	0	0	3	1	7
LightweightM2M-1.1-int-775 - Error Case 4: Connection lost during download (package URI)	3	0	0	3	1	7
LightweightM2M-1.1-int-776 - Error Case 5: Package Integrity check failure	3	0	0	3	1	7
LightweightM2M-1.1-int-777 - Error Case 6: unsupported package type	3	0	0	3	1	7
LightweightM2M-1.1-int-778 - Error Case 7: invalid URI (package URI)	3	0	0	3	1	7
LightweightM2M-1.1-int-779 - Error Case 8: Unsuccessful Firmware Update	3	0	0	3	1	7
LOCATION OBJECT (ID 6)						
LightweightM2M-1.1-int-801 - Querying the readable resources of object	5	0	0	0	2	7
LightweightM2M-1.1-int-810 - Basic Observation and notification on Location Object Instance	5	0	0	0	2	7
CONNECTIVITY STATISTICS (ID 7)						
LightweightM2M-1.1-int-901 - Querying a Data Collection from Connectivity Object Instance	3	0	0	3	1	7
LightweightM2M-1.1-int-905 - Setting the writable resources	3	0	0	3	1	7
LightweightM2M-1.1-int-910 - Basic Observation and notification on Connectivity Monitoring Object Instance	3	0	0	3	1	7
Multi-Servers Context						,
LightweightM2M-1.1-int-950 - Multi-Servers Registration	3	0	0	3	1	7
LightweightM2M-1.1-int-951 - Multi-Servers & Attributes	3	0	0	3	1	7
CELLULAR NETWORK CONNECTIVITY (ID 10)	,					
LightweightM2M-1.1-int-1200 - Querying the readable resources of Object ID:10	3	0	0	3	1	7
LightweightM2M-1.1-int-1200 - adelying the readable resources of Object ID:10 in version 1.1	3	0	0	3	1	7
LightweightM2M-1.1-int-1202 - Setting the Power Saving Mode Resources of Object ID:10	2	0	0	4	1	7
LightweightM2M-1.1-int-1203 - Setting the Fower Saving Mode Resources of Object ID:10  LightweightM2M-1.1-int-1203 - Observation and notification on Object ID:10 related to Power Saving Mode Resources	2	0	0	4	1	7
	2	0	0	4	1	7
LightweightM2M-1.1-int-1204 - Observation and notification on Object ID: 10 related to timers  APN CONNECTION PROFILE (ID 11)	2		0	4		,
	3	0		3	-	7
LightweightM2M-CONMGMT-1.1-int-1250 - APN configuration  BEARER SELECTION (ID 13)	3		0	3	1	,
				_		7
LightweightM2M-CONMGMT-1.1-int-1350 - Bearer Selection PORTFOLIO OBJECT (ID 16)	1	0	0	5	1	
LightweightM2M-1.1-int-1630 - Create Portfolio Object Instance	4	0	0	1	2	7
LightweightM2M-1.1-int-1635 - Delete Portfolio Object Instance  LightweightM2M-1.1-int-1635 - Delete Portfolio Object Instance	4	0	0	1		7
BinaryAppDataContainer Object (ID 19)	4	U	U	1	2	,
LightweightM2M-1.1-int-1900 - Observation and notification on Object ID: 19	3	0	0	3	1	7
LightweightM2M-1.1-int-1900 - Observation and notification on object ib. 19  LightweightM2M-1.1-int-1901 - Setting the writable Resource Data	3	0	0	3	1	7
Event Log Object (ID 20)	3	U	U	3	1	,
LightweightM2M-1.1-int-2000 - Control the Log Function	3	0	0	3	1	7
LightweightM2M-1.1-int-2000 - Control the Log Function  LightweightM2M-1.1-int-2001 - Querying the readable resources	3	0	0	3	1	7
Totals	454	9	2	202	81	748

## **Explanation of Test Cases Results**

Test Case Result	Criteria
Pass	Both teams agree that the Test Case "Pass Criteria" has been met.
	Both teams agreed that the Test Case "Pass Criteria" was not met.
A CONTRACTOR OF THE PARTY OF TH	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.