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

AVSystem Server Results

Test Session Date & Number:

AnswerOptions	Response Count
Session 09	1
Session 12	1
Session	0
Session	0
State Session Number (Reference below if needed):	2

Please select the test result for each Test Case Description below:

Answer Options	Pass	Fail	Incon-clusive	Not Applicable	Out of Time	Response Count
Bootstrap Interface						
LightweightM2M-1.1-int-0 Client Initiated Bootstrap	2	0	0	0	0	2
LightweightM2M-1.1-int-Client Initiated Bootstrap Full (PSK)	2	0	0	0	0	2
LightweightM2M-1.1-int-2 Client Initiated Bootstrap Full (Cert)	1	0	0	1	0	2
LightweightM2M-1.1-int-3 Simple Bootstrap from Smartcard	0	0	0	2	0	2
LightweightM2M-1.1-int-4 Bootstrap Delete	2	0	0	0	0	2
LightweightM2M-1.1-int-5 Server Initiated Bootstrap	2	0	0	0	0	2
LightweightM2M-1.1-int-6 Bootstrap Sequence	2	0	0	0	0	2
LightweightM2M-1.1-int-7 Fallback to bootstrap	2	0	0	0	0	2
LightweightM2M-1.1-int-8 Bootstrap Read	1	0	0	1	0	2
LightweightM2M-1.1-int-9 Bootstrap and Configuration Consistency	1	0	0	1	0	2
Registration Interface						
LightweightM2M-1.1-int-101 - Initial Registration	2	0	0	0	0	2
LightweightM2M-1.1-int-102 - Registration Update	2	0	0	0	0	2
LightweightM2M-1.1-int-103 - Deregistration	2	0	0	0	0	2
LightweightM2M-1.1-int-104 - Registration Update Trigger	2	0	0	0	0	2
LightweightM2M-1.1-int-105 - Discarded Register Update	2	0	0	0	0	2
LightweightM2M-1.1-int-106 - TCP Binding	1	0	0	1	0	2
LightweightM2M-1.1-int-107 - Extending the lifetime of a registration	2	0	0	0	0	2
LightweightM2M-1.1-int-108 - Turn on Queue Mode	1	0	0	1	0	2
LightweightM2M-1.1-int-109 - Behavior in Queue Mode	1	0	0	1	0	2
Device management & Service Enablement Interface						
LightweightM2M-1.1-int-201 - Querying basic information in Plain Text format	2	0	0	0	0	2
LightweightM2M-1.1-int-203 - Querying basic information in TLV format	2	0	0	0	0	2
LightweightM2M-1.1-int-204 - Querying basic information in JSON format	2	0	0	0	0	2
LightweightM2M-1.1-int-205 - Setting basic information in Plain Text format	2	0	0	0	0	2
LightweightM2M-1.1-int-211 - Querying basic information in CBOR format	2	0	0	0	0	2
LightweightM2M-1.1-int-212 - Setting basic information in CBOR format	2	0	0	0	0	2
LightweightM2M-1.1-int-215 - Setting basic information in TLV format	2	0	0	0	0	2
LightweightM2M-1.1-int-220 - Setting basic information in JSON format	2	0	0	0	0	2
LightweightM2M-1.1-int-221 - Attempt to perform operations on Security Object (ID: 0)	1	0	0	1	0	2
LightweightM2M-1.1-int-222 - Read on Object	2	0	0	0	0	2
LightweightM2M-1.1-int-223 - Read on Object Instance	2	0	0	0	0	2
LightweightM2M-1.1-int-224 - Read on Resource	2	0	0	0	0	2
LightweightM2M-1.1-int-225 - Read on Resource Instance	2	0	0	0	0	2
LightweightM2M-1.1-int-226 - Write (Partial Update) on Object Instance	2	0	0	0	0	2
LightweightM2M-1.1-int-227 - Write (replace) on Resource	2	0	0	0	0	2
LightweightM2M-1.1-int-228 - Write on Resource Instance	2	0	0	0	0	2
LightweightM2M-1.1-int-229 - Read-Composite Operation	1	0	0	1	0	2
LightweightM2M-1.1-int-230 - Write-Composite Operation	2	0	0	0	0	2
LightweightM2M-1.1-int-231 - Querying basic information in SenML JSON format	2	0	0	0	0	2
LightweightM2M-1.1-int-232 - Querying basic information in SenML CBOR format	2	0	0	0	0	2
LightweightM2M-1.1-int-233 - Setting basic information in SenML CBOR format	2	0	0	0	0	2
LightweightM2M-1.1-int-234 - Setting basic information in SenML JSON format	2	0	0	0	0	2
LightweightM2M-1.1-int-235 - Read-Composite Operation on root path	0	0	0	2	0	2
LightweightM2M-1.1-int-236 - Read-Composite - Partial Presence	1	0	0	1	0	2
LightweightM2M-1.1-int-237 - Read on Object without specifying Content-Type	2	0	0	0	0	2
LightweightM2M-1.1-int-241 - Executable Resource: Rebooting the device	2	0	0	0	0	2
LightweightM2M-1.1-int-256 - Write Operation Failure	2	0	0	0	0	2
LightweightM2M-1.1-int-257 - Write-Composite Operation	2	0	0	0	0	2
LightweightM2M-1.1-int-260 - Discover Command	1	0	0	1	0	2
LightweightM2M-1.1-int-261 - Write-Attribute Operation on a multiple resource	1	0	0	1	0	2
LightweightM2M-1.1-int-280 - Successful Read-Composite Operation	1	0	0	1	0	2
LightweightM2M-1.1-int-281 - Partially Successful Read-Composite Operation	1	0	0	1	0	2
INFORMATION REPORTING INTERFACE						
LightweightM2M-1.1-int-301 - Observation and Notification of parameter values	2	0	0	0	0	2
LightweightM2M-1.1-int-302 - Cancel Observations using Reset Operation	2	0	0	0	0	2
LightweightM2M-1.1-int-303 - Cancel observations using Observe with Cancel parameter	2	0	0	0	0	2
LightweightM2M-1.1-int-304 - Observe-Composite Operation	1	0	0	1	0	2
LightweightM2M-1.1-int-305 - Cancel Observation-Composite Operation	1	0	0	1	0	2
LightweightM2M-1.1-int-306 - Send Operation	2	0	0	0	0	2
LightweightM2M-1.1-int-307 - Muting Send	1	0	0	1	0	2
LightweightM2M-1.1-int-308 - Observe-Composite and Creating Object Instance	1	0	0	1	0	2
LightweightM2M-1.1-int-309 - Observe-Composite and Deleting Object Instance	1	0	0	1	0	2
LightweightM2M-1.1-int-310 - Observe-Composite and modification of parameter values	1	0	0	1	0	2
LightweightM2M-1.1-int-311 - Send command	1	0	0	1	0	2
SECURITY						
LightweightM2M-1.1-int-401 - UDP Channel Security - Pre-shared Key Mode	2	0	0	0	0	2
LightweightM2M-1.1-int-402 - UDP Channel Security - Certificate Mode	1	0	0	1	0	2
LightweightM2M-1.1-int-403 - UDP Channel Security - Certified Mode (Server Identify Verification Failure)	0	0	0	2	0	2
LightweightM2M-1.1-int-404 - TCP Channel Security - Certificate Mode	1	0	0	1	0	2
LightweightM2M-1.1-int-405 - OSCORE Security	0	0	0	2	0	2
LWM2M SERVER (ID 3)						
LightweightM2M-1.1-int-651 - Check Access to the Resources	2	0	0	0	0	2
LightweightM2M-1.1-int-652 - Querying the firmware version from the client	2	0	0	0	0	2
LightweightM2M-1.1-int-680 - Create Object Instance	1	0	0	1	0	2
LightweightM2M-1.1-int-685 - Delete Object Instance	2	0	0	0	0	2
LWM2M CONNECTIVITY MONITORING (ID 4)						
LightweightM2M-1.1-int-701 - Querying the readable resources of object	2	0	0	0	0	2
LightweightM2M-1.1-int-710 - Basic Observation and notification on Connectivity Monitoring Object Resources	2	0	0	0	0	2
FIRMWARE UPDATE OBJECT (ID 5)						
LightweightM2M-1.1-int-751 - Querying the readable resources	1	0	0	1	0	2
LightweightM2M-1.1-int-755 - Setting the writable Resource Package	1	0	0	1	0	2
LightweightM2M-1.1-int-756 - Setting the writable Resource Package URI	1	0	0	1	0	2
LightweightM2M-1.1-int-760 -Basic Observation and notification on Firmware Update Object Resources	1	0	0	1	0	2
LightweightM2M-1.1-int-770 - Successful Firmware update (via COAP)	0	0	0	2	0	2
LightweightM2M-1.1-int-771 - Successful Firmware update (via alternative mechanism)	1	0	0	1	0	2
LightweightM2M-1.1-int-772 - Error Case 1: firmware installation without downloaded package	1	0	0	1	0	2
LightweightM2M-1.1-int-773 - Error Case 2: shortage of storage memory	1	0	0	1	0	2
LightweightM2M-1.1-int-774 - Error Case 3: out of memory	1	0	0	1	0	2
LightweightM2M-1.1-int-775 - Error Case 4: Connection lost during download (package URI)	1	0	0	1	0	2
LightweightM2M-1.1-int-776 - Error Case 5: Package Integrity check failure	1	0	0	1	0	2
LightweightM2M-1.1-int-777 - Error Case 6: unsupported package type	1	0	0	1	0	2
LightweightM2M-1.1-int-778 - Error Case 7: invalid URI (package URI)	1	0	0	1	0	2
LightweightM2M-1.1-int-779 - Error Case 8: Unsuccessful Firmware Update	1	0	0	1	0	2
LOCATION OBJECT (ID 6)						
LightweightM2M-1.1-int-801 - Querying the readable resources of object	2	0	0	0	0	2
LightweightM2M-1.1-int-810 - Basic Observation and notification on Location Object Instance	2	0	0	0	0	2
CONNECTIVITY STATISTICS (ID 7)						
LightweightM2M-1.1-int-901 - Querying a Data Collection from Connectivity Object Instance	1	0	0	1	0	2
LightweightM2M-1.1-int-905 - Setting the writable resources	1	0	0	1	0	2

LightweightM2M-1.1-int-910 - Basic Observation and notification on Connectivity Monitoring Object Instance	1	0	0	1	0	2
Multi-Servers Context						
LightweightM2M-1.1-int-950 - Multi-Servers Registration	1	0	0	1	0	2
LightweightM2M-1.1-int-951 - Multi-Servers & Attributes	1	0	0	1	0	2
CELLULAR NETWORK CONNECTIVITY (ID 10)						
LightweightM2M-1.1-int-1200 - Querying the readable resources of Object ID:10	1	0	0	1	0	2
LightweightM2M-1.1-int-1201 - Querying the readable resources of Object ID:10 in version 1.1	1	0	0	1	0	2
LightweightM2M-1.1-int-1202 - Setting the Power Saving Mode Resources of Object ID:10	0	0	0	2	0	2
LightweightM2M-1.1-int-1203 - Observation and notification on Object ID:10 related to Power Saving Mode Resources	0	0	0	2	0	2
LightweightM2M-1.1-int-1204 - Observation and notification on Object ID: 10 related to timers	0	0	0	2	0	2
APN CONNECTION PROFILE (ID 11)						
LightweightM2M-CONMGMT-1.1-int-1250 - APN configuration	1	0	0	1	0	2
BEARER SELECTION (ID 13)						
LightweightM2M-CONMGMT-1.1-int-1350 - Bearer Selection	1	0	0	1	0	2
PORTFOLIO OBJECT (ID 16)						
LightweightM2M-1.1-int-1630 - Create Portfolio Object Instance	1	0	0	1	0	2
LightweightM2M-1.1-int-1635 - Delete Portfolio Object Instance	1	0	0	1	0	2
BinaryAppDataContainer Object (ID 19)						
LightweightM2M-1.1-int-1900 - Observation and notification on Object ID: 19	1	0	0	1	0	2
LightweightM2M-1.1-int-1901 - Setting the writable Resource Data	1	0	0	1	0	2
Event Log Object (ID 20)						
LightweightM2M-1.1-int-2000 - Control the Log Function	1	0	0	1	0	2
LightweightM2M-1.1-int-2001 - Querying the readable resources	1	0	0	1	0	2
Totals	**147**	**0**	**0**	**67**	**0**	**214**

NOTE: Presented sum of passed tests does not include results of tests with AVSystem own server. Vendor declares that its own client pass all these tests with its own server.