

| TestFest               | Registration Summary   |
|------------------------|--|
| Implementations Tested | <b>10</b><br>- 6 Server<br>- 4 Client  |
| Engineers Registered   | <b>20</b>  |
| Companies Attended     | <b>8</b><br>- Including: <ul style="list-style-type: none"> <li>○ Altair Semi</li> <li>○ AVSystem</li> <li>○ Bosch Software Innovations GmbH</li> <li>○ ERICSSON</li> <li>○ ETRI</li> <li>○ IOTEROP</li> <li>○ MDS Technology Co., Ltd</li> <li>○ Nokia</li> </ul> |

| Session Number | Test Result Submissions |
|----------------|-------------------------|
| 1              | 4                       |
| 2              | 4                       |
| 3              | 3                       |
| 4              | 4                       |
| 5              | 4                       |
| Ad-Hoc         | 3                       |
| <b>Total</b>   | <b>22</b>               |

### Explanation of Test Cases Results

| Test Case Result | Criteria   |
|------------------|--|
| Pass             | Both teams agreed 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.   |

## Results by Test Case:

| Answer Options   | Pass | Fail | Incon-<br>clusive | Not<br>Applicable | Out of<br>Time | Response<br>Count |
|--|------|------|-------------------|-------------------|----------------|-------------------|
| <b>REGISTRATION INTERFACE</b>  |      |      |                   |                   |                |                   |
| LightweightM2M-1.0-int-101 – Initial Registration                                    | 22   | 0    | 0                 | 0                 | 0              | 22                |
| LightweightM2M-1.0-int-102 – Registration Update                                     | 22   | 0    | 0                 | 0                 | 0              | 22                |
| LightweightM2M-1.0-int-103 – Deregistration  | 22   | 0    | 0                 | 0                 | 0              | 22                |
| LightweightM2M-1.0-int-104 – Registration Update Trigger                             | 12   | 0    | 0                 | 9                 | 0              | 21                |
| LightweightM2M-1.0-int-105 – Initial Registration to Bootstrap Server                | 8    | 0    | 0                 | 14                | 0              | 22                |
| <b>DEVICE MANAGEMENT &amp; SERVICE ENABLEMENT INTERFACE</b>                          |      |      |                   |                   |                |                   |
| LightweightM2M-1.0-int-201 – Querying basic information in Plain Text format         | 21   | 0    | 0                 | 1                 | 0              | 22                |
| LightweightM2M-1.0-int-203 – Querying basic information in TLV format                | 19   | 1    | 0                 | 2                 | 0              | 22                |
| LightweightM2M-1.0-int-204 – Querying basic information in JSON format               | 11   | 1    | 0                 | 10                | 0              | 22                |
| LightweightM2M-1.0-int-205 – Setting basic information in Plain Text format          | 18   | 1    | 0                 | 3                 | 0              | 22                |
| LightweightM2M-1.0-int-241 – Executable Resource: Rebooting the device               | 17   | 1    | 0                 | 4                 | 0              | 22                |
| <b>INFORMATION REPORTING INTERFACE</b>   |      |      |                   |                   |                |                   |
| LightweightM2M-1.0-int-301 – Observation and Notification of parameter values        | 16   | 1    | 0                 | 5                 | 0              | 22                |
| LightweightM2M-1.0-int-302 – Cancel Observations using Reset Operation               | 16   | 0    | 0                 | 6                 | 0              | 22                |
| LightweightM2M-1.0-int-303 – Cancel Observations using Observe with Cancel parameter | 11   | 1    | 1                 | 9                 | 0              | 22                |
| <b>SECURITY</b>  |      |      |                   |                   |                |                   |
| LightweightM2M-1.0-int-401 – UDP Channel Security – Pre-shared Key Mode              | 19   | 0    | 0                 | 3                 | 0              | 22                |
| <b>SERVER OBJECT (ID 1)</b>  |      |      |                   |                   |                |                   |
| LightweightM2M-1.0-int-551 – Querying the readable resource of object                | 20   | 1    | 0                 | 1                 | 0              | 22                |
| LightweightM2M-1.0-int-555 – Setting the writable resources                          | 19   | 1    | 0                 | 2                 | 0              | 22                |
| LightweightM2M-1.0-int-560 – Observation and notification of observable resources    | 16   | 1    | 0                 | 5                 | 0              | 22                |
| <b>LWM2M SERVER (ID 3)</b>   |      |      |                   |                   |                |                   |
| LightweightM2M-1.0-int-651 – Querying the readable resources of object               | 21   | 0    | 0                 | 1                 | 0              | 22                |
| LightweightM2M-1.0-int-652 – Querying the firmware version from the client           | 17   | 0    | 0                 | 5                 | 0              | 22                |
| LightweightM2M-1.0-int-655 – Setting the writable resources                          | 16   | 0    | 1                 | 5                 | 0              | 22                |

## Results by Test Case:

|  |            |           |          |            |           |    |
|--|------------|-----------|----------|------------|-----------|----|
| LightweightM2M-1.0-int-660 – Observation and notification of observable resources      | 15         | 1         | 1        | 5          | 0         | 22 |
| <b>LWM2M CONNECTIVITY MONITORING (ID 4)</b>  |            |           |          |            |           |    |
| LightweightM2M-1.0-int-701 – Querying the readable resource of object                  | 14         | 1         | 0        | 7          | 0         | 22 |
| LightweightM2M-1.0-int-710 – Observation and notification of observable resources      | 14         | 0         | 0        | 8          | 0         | 22 |
| <b>FIRMWARE UPDATE OBJECT (ID 5)</b>   |            |           |          |            |           |    |
| LightweightM2M-1.0-int-751 – Querying the readable resources                           | 14         | 0         | 0        | 8          | 0         | 22 |
| LightweightM2M-1.0-int-755 – Setting the writable resources                            | 13         | 0         | 0        | 9          | 0         | 22 |
| LightweightM2M-1.0-int-760 – Observation and notification of observable resources      | 12         | 0         | 0        | 9          | 1         | 22 |
| LightweightM2M-1.0-int-770 – Successful Firmware update (via COAP)                     | 4          | 1         | 0        | 16         | 0         | 21 |
| LightweightM2M-1.0-int-771 – Successful Firmware update (via alternative mechanism)    | 8          | 0         | 1        | 12         | 1         | 22 |
| LightweightM2M-1.0-int-772 – Error Case: firmware package not downloaded               | 9          | 0         | 0        | 12         | 1         | 22 |
| LightweightM2M-1.0-int-773 – Error Case: not enough storage                            | 5          | 0         | 0        | 16         | 1         | 22 |
| LightweightM2M-1.0-int-774 – Error Case: out of memory                                 | 6          | 0         | 0        | 15         | 1         | 22 |
| LightweightM2M-1.0-int-775 – Error Case: Connection lost during download (package URI) | 3          | 0         | 0        | 18         | 1         | 22 |
| LightweightM2M-1.0-int-776 – Error Case: CRC check fail                                | 8          | 0         | 0        | 13         | 1         | 22 |
| LightweightM2M-1.0-int-777 – Error Case: unsupported package type                      | 7          | 0         | 0        | 14         | 1         | 22 |
| LightweightM2M-1.0-int-778 – Error Case: invalid URI (package URI)                     | 8          | 0         | 0        | 13         | 1         | 22 |
| LightweightM2M-1.0-int-779 – Error Case: Unsuccessful Firmware Update                  | 6          | 1         | 0        | 14         | 1         | 22 |
| <b>LOCATION OBJECT (ID 6)</b>  |            |           |          |            |           |    |
| LightweightM2M-1.0-int-801 – Querying the readable resources of object                 | 14         | 0         | 0        | 7          | 1         | 22 |
| LightweightM2M-1.0-int-810 – Observation and notification of observable resources      | 13         | 0         | 0        | 8          | 1         | 22 |
| <b>CONNECTIVITY STATISTICS (ID 7)</b>  |            |           |          |            |           |    |
| LightweightM2M-1.0-int-901 – Querying the readable resources of object                 | 13         | 0         | 0        | 7          | 2         | 22 |
| LightweightM2M-1.0-int-910 – Observation and notification of observable resources      | 12         | 0         | 0        | 8          | 2         | 22 |
| <b>CONNECTIVITY MANAGEMENT OBJECTS (ID 10, 11, 12, 13)</b>                             |            |           |          |            |           |    |
| LightweightM2M-1.0-int-1201 – APN configuration  | 3          | 0         | 0        | 18         | 1         | 22 |
| LightweightM2M-1.0-int-1202 – Bearer Selection   | 3          | 0         | 0        | 18         | 1         | 22 |
| <b>Totals</b>  | <b>547</b> | <b>13</b> | <b>4</b> | <b>340</b> | <b>18</b> |    |