

# Final Interoperability Test Report

FIT #: **17**  
 Date: 19.11.2015  
 Location: DNV-GL, Arnhem, Netherlands  
 Page 1 of 40

<b>APPLICANT</b>
------------------

Company: Landis+Gyr

---

Address: Theilerstrasse 1, 6301 Zug, Switzerland

---

DEVICE		
Device type	<b>E350 ZCF1....s2 + E35C-AD-xU</b>	
<i>Type indication on MID certificate</i>		<i>MID Certificate No.</i>
E350s2 ZCF1....s2		T10244R10
<i>IDIS Specification reference</i>	<i>KEMA IDIS Certification run No</i>	<i>Digital signature of the test report.</i>
Package 2 ed. 1.0	502	46B19655D60E102E44FB2BA58A286BC3
<i>First certification</i>	<i>IDIS Label</i>	<i>Modular device</i>
<input checked="" type="checkbox"/>	0027	<input checked="" type="checkbox"/>
<i>General information about the device</i>		

FIRMWARE VERSIONS TESTED				<i>Final Integration Test No. 17</i>
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	Verdict
1	M5900	V5401	V5400	Passed

---

Elster GmbH

---

Iskraemeco d.d.

---

Itron

---

Landis+Gyr AG

Fit #17

Device:E350 ZCF1....s2 + E35C-AD-xU DNV-GL, Arnhem, Netherlands, 19.11.2015

Page 2 of 40

FIRMWARE VERSIONS HISTORY				Final Integration Test	
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	No.	Verdict
1	M5900	V5401	V5400	17	Passed

TEST REPORT - Firmware No. 1		
Test	Verdict	Remark
Connect and release	Passed	
All Device IDs	Passed	
COSEM logical device name	Passed	
SAP assignment	Passed	
FW version and signature	Passed	
All Device ID's	Passed	
Broadcast Date and time	Passed	
Broadcast Special Days Table	Passed	
Event logs	Passed	
Billing data period 1	Passed	
M-Bus Channel Setup	Passed	
M-Bus Results	Passed	
M-Bus Devices IDs	Passed	
M-Bus profiles	Passed	
M-Bus Load profiles	Passed	
M-Bus control logs	Passed	
M-Bus Disconnect log	Passed	
FIT Push	Passed	
FIT Wake up	Passed	
FIT Miscellaneous	Passed	
Optical Port Connectivity	Passed	
Consumer Information Interface	Passed	
FIT Conformance Test Report		
<pre> ***** IDIS Conformance test report 18-NOV-2015 16:33:49 iCTT2 Package 2, Edition 1.2, Revision 1 (111) Licensed to: KEMA-IDIS Cert. Tester: Tom Levels *****  ***** * Identification * *****  Manufacturer = {   Name = '\Landis+Gyr'   ThreeLettersId = '\LGZ' } DeviceUnderTest = {   IDISDeviceType = 102   IDISFunctionType = [EXTENSION_D, EXTENSION_L, EXTENSION_M]   Type = '\Any string'   SerialNr = 31453974   IPVersion = IPV4   DataLinkLayer = GPRS   ConsumerInformationPush = TRUE }  Active firmware identifier (1-0:0.2.0.255) = 4D353900000000 Active firmware identifier 1 (1-1:0.2.0.255) = 56353430310000 Active firmware identifier 2 (1-2:0.2.0.255) = 56353430300000  ***** * Summary * *****  PASSED                277 FAILED                0 DISABLED              0 INAPPLICABLE         1 INCONCLUSIVE         0 FATAL                 0 TOTAL                 278  ***** Test Case 1 : Connect and release, 4 item(s) ***** </pre>		

(1) Connect Public	PASSED
(2) Release Public	PASSED
(3) Connect Management	PASSED
(4) Release Management	PASSED
*****	
Test Case 2 : Read Device IDs, 12 item(s)	
*****	
Mngmt Get Device ID 1, manufacturing number 0-0:96.1.0.255 (@46)	
(1) .logical_name	PASSED
<Data>	
<OctetString Value="0000600100FF" />	
</Data>	
(2) .value	PASSED
<Data>	
<OctetString Value="\31453974" />	
</Data>	
Mngmt Get Device ID 2 0-0:96.1.1.255 (@50)	
(3) .logical_name	PASSED
<Data>	
<OctetString Value="0000600101FF" />	
</Data>	
(4) .value	PASSED
<Data>	
<OctetString Value="\31453974" />	
</Data>	
Mngmt Get Device ID 3 0-0:96.1.2.255 (@54)	
(5) .logical_name	PASSED
<Data>	
<OctetString Value="0000600102FF" />	
</Data>	
(6) .value	PASSED
<Data>	
<OctetString Value="\DevID3" />	
</Data>	
Mngmt Get Device ID 4 0-0:96.1.3.255 (@58)	
(7) .logical_name	PASSED
<Data>	
<OctetString Value="0000600103FF" />	
</Data>	
(8) .value	PASSED
<Data>	
<OctetString Value="\DevID4" />	
</Data>	
Mngmt Get Device ID 5 0-0:96.1.4.255 (@62)	
(9) .logical_name	PASSED
<Data>	
<OctetString Value="0000600104FF" />	
</Data>	
(10) .value	PASSED
<Data>	
<OctetString Value="\DevID5" />	
</Data>	
Mngmt Get Device ID 6, IDIS certification number 0-0:96.1.5.255 (@66)	
(11) .logical_name	PASSED
<Data>	
<OctetString Value="0000600105FF" />	
</Data>	
(12) .value	PASSED
<Data>	
<OctetString Value="\DevID6" />	
</Data>	
*****	
Test Case 3 : Read COSEM Logical Device Name, 2 item(s)	
*****	
Mngmt Get COSEM logical device name 0-0:42.0.0.255 (@42)	
(1) .logical_name	PASSED
<Data>	
<OctetString Value="00002A0000FF" />	
</Data>	
(2) .value	PASSED
<Data>	
<OctetString Value="\LGZ1020731453974" />	
</Data>	
*****	
Test Case 4 : Read SAP Assignment, 2 item(s)	
*****	
Mngmt Get SAP Assignment 0-0:41.0.0.255 (@4)	
(1) .logical_name	PASSED
<Data>	

```

    <OctetString Value="0000290000FF" />
  </Data>
(2) .SAP_assignment_list                                     PASSED
  <Data>
    <Array Qty="0001" >
      <Structure Qty="0002" >
        <LongUnsigned Value="0001" />
        <OctetString Value="\LGZ1020731453974" />
      </Structure>
    </Array>
  </Data>

*****
Test Case 5 : Read Active FW Version, 12 item(s)
*****

Mngmt Get Active firmware identifier 1-0:0.2.0.255 (@412)
(1) .logical_name                                           PASSED
  <Data>
    <OctetString Value="0100000200FF" />
  </Data>
(2) .value                                                  PASSED
  <Data>
    <OctetString Value="4D353900000000" />
  </Data>

Mngmt Get Active firmware signature 1-0:0.2.8.255 (@416)
(3) .logical_name                                           PASSED
  <Data>
    <OctetString Value="0100000208FF" />
  </Data>
(4) .value                                                  PASSED
  <Data>
    <OctetString Value="4631384400000000" />
  </Data>

Mngmt Get Active firmware identifier 1 1-1:0.2.0.255 (@420)
(5) .logical_name                                           PASSED
  <Data>
    <OctetString Value="0101000200FF" />
  </Data>
(6) .value                                                  PASSED
  <Data>
    <OctetString Value="56353430310000" />
  </Data>

Mngmt Get Active firmware signature 1 1-1:0.2.8.255 (@424)
(7) .logical_name                                           PASSED
  <Data>
    <OctetString Value="0101000208FF" />
  </Data>
(8) .value                                                  PASSED
  <Data>
    <OctetString Value="DC18A2ABFFFFFFFF" />
  </Data>

Mngmt Get Active firmware identifier 2 1-2:0.2.0.255 (@428)
(9) .logical_name                                           PASSED
  <Data>
    <OctetString Value="0102000200FF" />
  </Data>
(10) .value                                                 PASSED
  <Data>
    <OctetString Value="56353430300000" />
  </Data>

Mngmt Get Active firmware signature 2 1-2:0.2.8.255 (@432)
(11) .logical_name                                          PASSED
  <Data>
    <OctetString Value="0102000208FF" />
  </Data>
(12) .value                                                 PASSED
  <Data>
    <OctetString Value="5547D742940D0F08" />
  </Data>

*****
Test Case 6 : Set Clock, 1 item(s)
*****

Mngmt Set Clock 0-0:1.0.0.255 (@75)
(1) .time                                                   PASSED
  <Data>
    <OctetString Value="07DF0B13FF140000FF8000FF" />
  </Data>

*****
Test Case 7 : Get Clock, 1 item(s)
*****

```

```

Mngmt Get Clock 0-0:1.0.0.255 (@75)
(1) .time                                     PASSED
  <Data>
    <OctetString Value="07DF0B1304140001FF800000" />
  </Data>

*****
Test Case 8 : Set Special Days, 1 item(s)
*****

Mngmt Set Special Days Table 0-0:11.0.0.255 (@125)
(1) .entries                                  PASSED
  <Data>
    <Array Qty="001E" >
      <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0101FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="0002" />
        <OctetString Value="FFFF0102FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="0003" />
        <OctetString Value="FFFF0103FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="0004" />
        <OctetString Value="FFFF0104FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="0005" />
        <OctetString Value="FFFF0105FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="0006" />
        <OctetString Value="FFFF0106FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="0007" />
        <OctetString Value="FFFF0107FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="0008" />
        <OctetString Value="FFFF0108FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="0009" />
        <OctetString Value="FFFF0109FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="000A" />
        <OctetString Value="FFFF010AFF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="000B" />
        <OctetString Value="FFFF0201FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="000C" />
        <OctetString Value="FFFF0202FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="000D" />
        <OctetString Value="FFFF0203FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="000E" />
        <OctetString Value="FFFF0204FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="000F" />
        <OctetString Value="FFFF0205FF" />
        <Unsigned Value="02" />
      </Structure>
    </Array>
  </Data>

```

```

    <LongUnsigned Value="0010" />
    <OctetString Value="FFFF0206FF" />
    <Unsigned Value="02" />
  </Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0011" />
  <OctetString Value="FFFF0207FF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0012" />
  <OctetString Value="FFFF0208FF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0013" />
  <OctetString Value="FFFF0209FF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0014" />
  <OctetString Value="FFFF020AFF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0015" />
  <OctetString Value="FFFF0301FF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0016" />
  <OctetString Value="FFFF0302FF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0017" />
  <OctetString Value="FFFF0303FF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0018" />
  <OctetString Value="FFFF0304FF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0019" />
  <OctetString Value="FFFF0305FF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="001A" />
  <OctetString Value="FFFF0306FF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="001B" />
  <OctetString Value="FFFF0307FF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="001C" />
  <OctetString Value="FFFF0308FF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="001D" />
  <OctetString Value="FFFF0309FF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="001E" />
  <OctetString Value="FFFF030AFF" />
  <Unsigned Value="02" />
</Structure>
</Array>
</Data>

```

```

*****
Test Case 9 : Get Special Days, 1 item(s)
*****

```

```

Mngmt Get Special Days Table 0-0:11.0.0.255 (@125)
(1) .entries

```

PASSED

```

  <Data>
    <Array Qty="001E" >
      <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0101FF" />
        <Unsigned Value="02" />
      </Structure>

```

```
<Structure Qty="0003" >
  <LongUnsigned Value="0002" />
  <OctetString Value="FFFF0102FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0003" />
  <OctetString Value="FFFF0103FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0004" />
  <OctetString Value="FFFF0104FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0005" />
  <OctetString Value="FFFF0105FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0006" />
  <OctetString Value="FFFF0106FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0007" />
  <OctetString Value="FFFF0107FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0008" />
  <OctetString Value="FFFF0108FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0009" />
  <OctetString Value="FFFF0109FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="000A" />
  <OctetString Value="FFFF010AFF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="000B" />
  <OctetString Value="FFFF0201FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="000C" />
  <OctetString Value="FFFF0202FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="000D" />
  <OctetString Value="FFFF0203FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="000E" />
  <OctetString Value="FFFF0204FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="000F" />
  <OctetString Value="FFFF0205FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0010" />
  <OctetString Value="FFFF0206FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0011" />
  <OctetString Value="FFFF0207FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0012" />
  <OctetString Value="FFFF0208FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0013" />
  <OctetString Value="FFFF0209FF" />
  <Unsigned Value="02" />
</Structure>
```



```

<Structure Qty="0003" >
  <LongUnsigned Value="0014" />
  <OctetString Value="FFFF020AFF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0015" />
  <OctetString Value="FFFF0301FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0016" />
  <OctetString Value="FFFF0302FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0017" />
  <OctetString Value="FFFF0303FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0018" />
  <OctetString Value="FFFF0304FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0019" />
  <OctetString Value="FFFF0305FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="001A" />
  <OctetString Value="FFFF0306FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="001B" />
  <OctetString Value="FFFF0307FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="001C" />
  <OctetString Value="FFFF0308FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="001D" />
  <OctetString Value="FFFF0309FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="001E" />
  <OctetString Value="FFFF030AFF" />
  <Unsigned Value="02" />
</Structure>
</Array>
</Data>

```

\*\*\*\*\*  
 Test Case 10 : Read Event Log Buffers, 20 item(s)  
 \*\*\*\*\*

```

Mngmt Get Disconnecter Control Log 0-0:99.98.2.255 (@193)
(1) .logical_name PASSED
  <Data>
  <OctetString Value="0000636202FF" />
  </Data>
(2) .buffer PASSED
  Earliest date: 17-NOV-2015 12:25:00, latest date: 19-NOV-2015 20:00:02
  Middle date: 18-NOV-2015 12:15:06
(3) .entries_in_use PASSED
  <Data>
  <DoubleLongUnsigned Value="00000010" />
  </Data>
(4) .profile_entries PASSED
  <Data>
  <DoubleLongUnsigned Value="00000010" />
  </Data>

Mngmt Get Standard Event Log 0-0:99.98.0.255 (@301)
(5) .logical_name PASSED
  <Data>
  <OctetString Value="0000636200FF" />
  </Data>
(6) .buffer PASSED
  Earliest date: 17-NOV-2015 05:52:30, latest date: 19-NOV-2015 20:00:00
  Middle date: 17-NOV-2015 16:50:03
(7) .entries_in_use PASSED
  <Data>
  <DoubleLongUnsigned Value="000000B5" />

```

</Data>	
(8) .profile_entries	PASSED
<Data>	
<DoubleLongUnsigned Value="000000B5" />	
</Data>	
Mngmt Get Fraud Detection Log 0-0:99.98.1.255 (@316)	
(9) .logical_name	PASSED
<Data>	
<OctetString Value="0000636201FF" />	
</Data>	
(10) .buffer	PASSED
Earliest date: 01-JAN-2000 00:01:18, latest date: 17-NOV-2015 17:12:26	
Middle date: 16-NOV-2015 20:27:35	
(11) .entries_in_use	PASSED
<Data>	
<DoubleLongUnsigned Value="00000025" />	
</Data>	
(12) .profile_entries	PASSED
<Data>	
<DoubleLongUnsigned Value="00000048" />	
</Data>	
Mngmt Get Communication Log 0-0:99.98.5.255 (@331)	
(13) .logical_name	PASSED
<Data>	
<OctetString Value="0000636205FF" />	
</Data>	
(14) .buffer	PASSED
Earliest date: 17-NOV-2015 03:22:30, latest date: 18-NOV-2015 17:01:49	
Middle date: 17-NOV-2015 08:43:42	
(15) .entries_in_use	PASSED
<Data>	
<DoubleLongUnsigned Value="0000018F" />	
</Data>	
(16) .profile_entries	PASSED
<Data>	
<DoubleLongUnsigned Value="0000018F" />	
</Data>	
Mngmt Get Power Quality Log 0-0:99.98.4.255 (@1340)	
(17) .logical_name	PASSED
<Data>	
<OctetString Value="0000636204FF" />	
</Data>	
(18) .buffer	PASSED
Earliest date: 06-NOV-2015 16:18:30, latest date: 06-NOV-2015 16:25:48	
Middle date: 06-NOV-2015 16:22:15	
(19) .entries_in_use	PASSED
<Data>	
<DoubleLongUnsigned Value="0000000D" />	
</Data>	
(20) .profile_entries	PASSED
<Data>	
<DoubleLongUnsigned Value="000000B5" />	
</Data>	
*****	
Test Case 11 : Reading Data of Billing Period 1, 8 item(s)	
*****	
Mngmt Get Data of billing period 1 0-0:98.1.0.255 (@158)	
(1) .logical_name	PASSED
<Data>	
<OctetString Value="0000620100FF" />	
</Data>	
(2) .buffer	PASSED
Earliest date: 02-DEC-2015 00:00:00, latest date: 02-SEP-2016 00:00:00	
Middle date: 02-JUN-2016 00:00:00	
(3) .capture_objects	PASSED
<Data>	
<Array Qty="0005" >	
<Structure Qty="0004" >	
<LongUnsigned Value="0008" />	
<OctetString Value="0000010000FF" />	
<Integer Value="02" />	
<LongUnsigned Value="0000" />	
</Structure>	
<Structure Qty="0004" >	
<LongUnsigned Value="0003" />	
<OctetString Value="0100010801FF" />	
<Integer Value="02" />	
<LongUnsigned Value="0000" />	
</Structure>	
<Structure Qty="0004" >	
<LongUnsigned Value="0003" />	
<OctetString Value="0100010802FF" />	
<Integer Value="02" />	
<LongUnsigned Value="0000" />	
</Structure>	

```

        <Structure Qty="0004" >
        <LongUnsigned Value="0003" />
        <OctetString Value="0100020801FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
        </Structure>
    </Array>
</Data>
(4) .capture_period PASSED
    <Data>
    <DoubleLongUnsigned Value="00000000" />
    </Data>
(5) .sort_method PASSED
    <Data>
    <Enum Value="01" />
    </Data>
(6) .sort_object PASSED
    <Data>
    <Structure Qty="0004" >
    <LongUnsigned Value="0000" />
    <OctetString Value="000000000000" />
    <Integer Value="00" />
    <LongUnsigned Value="0000" />
    </Structure>
    </Data>
(7) .entries_in_use PASSED
    <Data>
    <DoubleLongUnsigned Value="0000000D" />
    </Data>
(8) .profile_entries PASSED
    <Data>
    <DoubleLongUnsigned Value="0000002E" />
    </Data>

```

\*\*\*\*\*  
Test Case 12 : Ext. M - M-Bus Setup LGZ G350, 54 item(s)  
\*\*\*\*\*

```

Mngmt Get M-Bus master port setup 1 0-0:24.6.0.255 (@1566)
(1) .logical_name PASSED
    <Data>
    <OctetString Value="0000180600FF" />
    </Data>
(2) .comm_speed PASSED
    <Data>
    <Enum Value="03" />
    </Data>

Mngmt Get M-Bus master port setup 2 0-1:24.6.0.255 (@1570)
(3) .logical_name PASSED
    <Data>
    <OctetString Value="0001180600FF" />
    </Data>
(4) .comm_speed PASSED
    <Data>
    <Enum Value="03" />
    </Data>

Mngmt Get M-Bus client channel 1 0-1:24.1.0.255 (@1574)
(5) .logical_name PASSED
    <Data>
    <OctetString Value="0001180100FF" />
    </Data>
(6) .mbus_port_reference PASSED
    <Data>
    <OctetString Value="0000180600FF" />
    </Data>
(7) .capture_definition PASSED
    <Data>
    <Array Qty="0008" >
    <Structure Qty="0002" >
    <OctetString Value="\L" />
    <OctetString Value="933A" />
    </Structure>
    <Structure Qty="0002" >
    <OctetString Value="8940" />
    <OctetString Value="FD1A" />
    </Structure>
    <Structure Qty="0002" >
    <OctetString Value="" />
    <OctetString Value="" />
    </Structure>
    <Structure Qty="0002" >
    <OctetString Value="" />
    </Structure>
    </Array>
    </Data>

```

```

    <OctetString Value="" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="" />
    <OctetString Value="" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="" />
    <OctetString Value="" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="" />
    <OctetString Value="" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="" />
    <OctetString Value="" />
  </Structure>
  </Array>
</Data>
(8) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000E10" />
  </Data>
(9) .primary_address PASSED
  <Data>
    <Unsigned Value="01" />
  </Data>
(10) .identification_number PASSED
  <Data>
    <DoubleLongUnsigned Value="00047BB1" />
  </Data>
(11) .manufacturer_id PASSED
  <Data>
    <LongUnsigned Value="19AC" />
  </Data>
(12) .version PASSED
  <Data>
    <Unsigned Value="02" />
  </Data>
(13) .device_type PASSED
  <Data>
    <Unsigned Value="03" />
  </Data>
(14) .access_number PASSED
  <Data>
    <Unsigned Value="A5" />
  </Data>
(15) .status PASSED
  <Data>
    <Unsigned Value="40" />
  </Data>
(16) .alarm PASSED
  <Data>
    <Unsigned Value="00" />
  </Data>
Mngmt Get M-Bus client channel 2 0-2:24.1.0.255 (@1596)
(17) .logical_name PASSED
  <Data>
    <OctetString Value="0002180100FF" />
  </Data>
(18) .mbus_port_reference PASSED
  <Data>
    <OctetString Value="0000180600FF" />
  </Data>
(19) .capture_definition PASSED
  <Data>
    <Array Qty="0008" >
      <Structure Qty="0002" >
        <OctetString Value="\L" />
        <OctetString Value="933A" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="8940" />
        <OctetString Value="FD1A" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="" />
        <OctetString Value="" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="" />
        <OctetString Value="" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="" />
        <OctetString Value="" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="" />
        <OctetString Value="" />
      </Structure>
    </Array>
  </Data>
  <Structure Qty="0002" >

```

```

        <OctetString Value="" />
        <OctetString Value="" />
    </Structure>
</Data>
(20) .capture_period PASSED
    <Data>
        <DoubleLongUnsigned Value="00000E10" />
    </Data>
(21) .primary_address PASSED
    <Data>
        <Unsigned Value="02" />
    </Data>
(22) .identification_number PASSED
    <Data>
        <DoubleLongUnsigned Value="00047BB2" />
    </Data>
(23) .manufacturer_id PASSED
    <Data>
        <LongUnsigned Value="19AC" />
    </Data>
(24) .version PASSED
    <Data>
        <Unsigned Value="02" />
    </Data>
(25) .device_type PASSED
    <Data>
        <Unsigned Value="03" />
    </Data>
(26) .access_number PASSED
    <Data>
        <Unsigned Value="AA" />
    </Data>
(27) .status PASSED
    <Data>
        <Unsigned Value="40" />
    </Data>
(28) .alarm PASSED
    <Data>
        <Unsigned Value="00" />
    </Data>
Mngmt Get M-Bus client channel 3 0-3:24.1.0.255 (@1618)
(29) .logical_name PASSED
    <Data>
        <OctetString Value="0003180100FF" />
    </Data>
(30) .mbus_port_reference PASSED
    <Data>
        <OctetString Value="0000180600FF" />
    </Data>
(31) .capture_definition PASSED
    <Data>
        <Array Qty="0008" >
            <Structure Qty="0002" >
                <OctetString Value="\L" />
                <OctetString Value="933A" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="8940" />
                <OctetString Value="FD1A" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="" />
                <OctetString Value="" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="" />
                <OctetString Value="" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="" />
                <OctetString Value="" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="" />
                <OctetString Value="" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="" />
                <OctetString Value="" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="" />
                <OctetString Value="" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="" />
                <OctetString Value="" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="" />
                <OctetString Value="" />
            </Structure>
        </Array>
    </Data>

```

```

        <Structure Qty="0002" >
          <OctetString Value="" />
          <OctetString Value="" />
        </Structure>
      </Array>
    </Data>
(32) .capture_period PASSED
    <Data>
      <DoubleLongUnsigned Value="00000E10" />
    </Data>
(33) .primary_address PASSED
    <Data>
      <Unsigned Value="03" />
    </Data>
(34) .identification_number PASSED
    <Data>
      <DoubleLongUnsigned Value="00047BB4" />
    </Data>
(35) .manufacturer_id PASSED
    <Data>
      <LongUnsigned Value="19AC" />
    </Data>
(36) .version PASSED
    <Data>
      <Unsigned Value="02" />
    </Data>
(37) .device_type PASSED
    <Data>
      <Unsigned Value="03" />
    </Data>
(38) .access_number PASSED
    <Data>
      <Unsigned Value="B1" />
    </Data>
(39) .status PASSED
    <Data>
      <Unsigned Value="40" />
    </Data>
(40) .alarm PASSED
    <Data>
      <Unsigned Value="00" />
    </Data>
Mngmt Get M-Bus client channel 4 0-4:24.1.0.255 (@1640)
(41) .logical_name PASSED
    <Data>
      <OctetString Value="0004180100FF" />
    </Data>
(42) .mbus_port_reference PASSED
    <Data>
      <OctetString Value="0000180600FF" />
    </Data>
(43) .capture_definition PASSED
    <Data>
      <Array Qty="0008" >
        <Structure Qty="0002" >
          <OctetString Value="\L" />
          <OctetString Value="933A" />
        </Structure>
        <Structure Qty="0002" >
          <OctetString Value="8940" />
          <OctetString Value="FD1A" />
        </Structure>
        <Structure Qty="0002" >
          <OctetString Value="" />
          <OctetString Value="" />
        </Structure>
        <Structure Qty="0002" >
          <OctetString Value="" />
          <OctetString Value="" />
        </Structure>
        <Structure Qty="0002" >
          <OctetString Value="" />
          <OctetString Value="" />
        </Structure>
        <Structure Qty="0002" >
          <OctetString Value="" />
          <OctetString Value="" />
        </Structure>
        <Structure Qty="0002" >
          <OctetString Value="" />
          <OctetString Value="" />
        </Structure>
        <Structure Qty="0002" >
          <OctetString Value="" />
          <OctetString Value="" />
        </Structure>
      </Array>
    </Data>
(44) .capture_period PASSED

```

```

    <Data>
      <DoubleLongUnsigned Value="00000E10" />
    </Data>
(45) .primary_address PASSED
    <Data>
      <Unsigned Value="04" />
    </Data>
(46) .identification_number PASSED
    <Data>
      <DoubleLongUnsigned Value="00047BB3" />
    </Data>
(47) .manufacturer_id PASSED
    <Data>
      <LongUnsigned Value="19AC" />
    </Data>
(48) .version PASSED
    <Data>
      <Unsigned Value="02" />
    </Data>
(49) .device_type PASSED
    <Data>
      <Unsigned Value="03" />
    </Data>
(50) .access_number PASSED
    <Data>
      <Unsigned Value="F5" />
    </Data>
(51) .status PASSED
    <Data>
      <Unsigned Value="40" />
    </Data>
(52) .alarm PASSED
    <Data>
      <Unsigned Value="00" />
    </Data>

Mngmt Get M-Bus Device ID 1 channel 2 0-2:96.1.0.255 (@1794)
(53) .value PASSED
    <Data>
      <OctetString Value="\00000540029381011" />
    </Data>

Mngmt Get Profile status for M-Bus Master Load profile 4 0-4:96.10.3.255 (@1834)
(54) .status PASSED
    <Data>
      <Unsigned Value="14" />
    </Data>

*****
Test Case 13 : Ext. M - M-Bus Results uncorrected Vol. & valve, 32 item(s)
*****

Mngmt Get M-Bus Value channel 1, instance 1 0-1:24.2.1.255 (@1662)
(1) .logical_name PASSED
    <Data>
      <OctetString Value="0001180201FF" />
    </Data>
(2) .value PASSED
    <Data>
      <DoubleLongUnsigned Value="00000B1C" />
    </Data>
(3) .scaler_unit PASSED
    <Data>
      <Structure Qty="0002" >
        <Integer Value="FD" />
        <Enum Value="0D" />
      </Structure>
    </Data>
(4) .status PASSED
    <Data>
      <Unsigned Value="21" />
    </Data>

Mngmt Get M-Bus Value channel 1, instance 2 0-1:24.2.2.255 (@1670)
(5) .logical_name PASSED
    <Data>
      <OctetString Value="0001180202FF" />
    </Data>
(6) .value PASSED
    <Data>
      <DoubleLongUnsigned Value="00000000" />
    </Data>
(7) .scaler_unit PASSED
    <Data>
      <Structure Qty="0002" >
        <Integer Value="00" />
        <Enum Value="FF" />
      </Structure>
    </Data>
(8) .status PASSED

```

```

<Data>
  <Unsigned Value="05" />
</Data>

Mngmt Get M-Bus Value channel 2, instance 1 0-2:24.2.1.255 (@1694)
(9) .logical_name PASSED
  <Data>
    <OctetString Value="0002180201FF" />
  </Data>
(10) .value PASSED
  <Data>
    <DoubleLongUnsigned Value="000007E9" />
  </Data>
(11) .scaler_unit PASSED
  <Data>
    <Structure Qty="0002" >
      <Integer Value="FD" />
      <Enum Value="0D" />
    </Structure>
  </Data>
(12) .status PASSED
  <Data>
    <Unsigned Value="21" />
  </Data>

Mngmt Get M-Bus Value channel 2, instance 2 0-2:24.2.2.255 (@1702)
(13) .logical_name PASSED
  <Data>
    <OctetString Value="0002180202FF" />
  </Data>
(14) .value PASSED
  <Data>
    <DoubleLongUnsigned Value="00000000" />
  </Data>
(15) .scaler_unit PASSED
  <Data>
    <Structure Qty="0002" >
      <Integer Value="00" />
      <Enum Value="FF" />
    </Structure>
  </Data>
(16) .status PASSED
  <Data>
    <Unsigned Value="05" />
  </Data>

Mngmt Get M-Bus Value channel 3, instance 1 0-3:24.2.1.255 (@1726)
(17) .logical_name PASSED
  <Data>
    <OctetString Value="0003180201FF" />
  </Data>
(18) .value PASSED
  <Data>
    <DoubleLongUnsigned Value="00000B32" />
  </Data>
(19) .scaler_unit PASSED
  <Data>
    <Structure Qty="0002" >
      <Integer Value="FD" />
      <Enum Value="0D" />
    </Structure>
  </Data>
(20) .status PASSED
  <Data>
    <Unsigned Value="21" />
  </Data>

Mngmt Get M-Bus Value channel 3, instance 2 0-3:24.2.2.255 (@1734)
(21) .logical_name PASSED
  <Data>
    <OctetString Value="0003180202FF" />
  </Data>
(22) .value PASSED
  <Data>
    <DoubleLongUnsigned Value="00000000" />
  </Data>
(23) .scaler_unit PASSED
  <Data>
    <Structure Qty="0002" >
      <Integer Value="00" />
      <Enum Value="FF" />
    </Structure>
  </Data>
(24) .status PASSED
  <Data>
    <Unsigned Value="05" />
  </Data>

Mngmt Get M-Bus Value channel 4, instance 1 0-4:24.2.1.255 (@1758)
(25) .logical_name PASSED

```



```

        <Data>
        <OctetString Value="0004180201FF" />
        </Data>
(26) .value PASSED
        <Data>
        <DoubleLongUnsigned Value="00000587" />
        </Data>
(27) .scaler_unit PASSED
        <Data>
        <Structure Qty="0002" >
        <Integer Value="FD" />
        <Enum Value="0D" />
        </Structure>
        </Data>
(28) .status PASSED
        <Data>
        <Unsigned Value="21" />
        </Data>
Mngmt Get M-Bus Value channel 4, instance 2 0-4:24.2.2.255 (@1766)
(29) .logical_name PASSED
        <Data>
        <OctetString Value="0004180202FF" />
        </Data>
(30) .value PASSED
        <Data>
        <DoubleLongUnsigned Value="00000000" />
        </Data>
(31) .scaler_unit PASSED
        <Data>
        <Structure Qty="0002" >
        <Integer Value="00" />
        <Enum Value="FF" />
        </Structure>
        </Data>
(32) .status PASSED
        <Data>
        <Unsigned Value="05" />
        </Data>

*****
Test Case 14 : Ext. M - M-Bus Device IDs, 16 item(s)
*****

Mngmt Get M-Bus Device ID 1 channel 1 0-1:96.1.0.255 (@1790)
(1) .logical_name PASSED
        <Data>
        <OctetString Value="0001600100FF" />
        </Data>
(2) .value PASSED
        <Data>
        <OctetString Value="\00000540029380911" />
        </Data>

Mngmt Get M-Bus Device ID 1 channel 2 0-2:96.1.0.255 (@1794)
(3) .logical_name PASSED
        <Data>
        <OctetString Value="0002600100FF" />
        </Data>
(4) .value PASSED
        <Data>
        <OctetString Value="\00000540029381011" />
        </Data>

Mngmt Get M-Bus Device ID 1 channel 3 0-3:96.1.0.255 (@1798)
(5) .logical_name PASSED
        <Data>
        <OctetString Value="0003600100FF" />
        </Data>
(6) .value PASSED
        <Data>
        <OctetString Value="\00000540029381211" />
        </Data>

Mngmt Get M-Bus Device ID 1 channel 4 0-4:96.1.0.255 (@1802)
(7) .logical_name PASSED
        <Data>
        <OctetString Value="0004600100FF" />
        </Data>
(8) .value PASSED
        <Data>
        <OctetString Value="\00000540029381111" />
        </Data>

Mngmt Get M-Bus Device ID 2 channel 1 0-1:96.1.1.255 (@1806)
(9) .logical_name PASSED
        <Data>
        <OctetString Value="0001600101FF" />
        </Data>
(10) .value PASSED

```

```

<Data>
  <OctetString Value="00" />
</Data>

Mngmt Get M-Bus Device ID 2 channel 2 0-2:96.1.1.255 (@1810)
(11) .logical_name PASSED
  <Data>
    <OctetString Value="0002600101FF" />
  </Data>
(12) .value PASSED
  <Data>
    <OctetString Value="00" />
  </Data>

Mngmt Get M-Bus Device ID 2 channel 3 0-3:96.1.1.255 (@1814)
(13) .logical_name PASSED
  <Data>
    <OctetString Value="0003600101FF" />
  </Data>
(14) .value PASSED
  <Data>
    <OctetString Value="00" />
  </Data>

Mngmt Get M-Bus Device ID 2 channel 4 0-4:96.1.1.255 (@1818)
(15) .logical_name PASSED
  <Data>
    <OctetString Value="0004600101FF" />
  </Data>
(16) .value PASSED
  <Data>
    <OctetString Value="00" />
  </Data>

*****
Test Case 15 : Ext. M - M-Bus Load Profiles, 32 item(s)
*****

Mngmt Get M-Bus Master Load profile for channel 1 0-1:24.3.0.255 (@1838)
(1) .logical_name PASSED
  <Data>
    <OctetString Value="0001180300FF" />
  </Data>
(2) .buffer PASSED
  Earliest date: 17-NOV-2015 06:00:00, latest date: 18-NOV-2015 17:00:00
  Middle date: 18-NOV-2015 00:00:00
(3) .capture_objects PASSED
  <Data>
    <Array Qty="0006" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0001600A03FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0001180201FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0001180202FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0001180203FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0001180204FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
(4) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000E10" />
  </Data>

```

```

</Data>
(5) .sort_method PASSED
  <Data>
    <Enum Value="04" />
  </Data>
(6) .sort_object PASSED
  <Data>
    <Structure Qty="0004" >
      <LongUnsigned Value="0008" />
      <OctetString Value="0000010000FF" />
      <Integer Value="02" />
      <LongUnsigned Value="0000" />
    </Structure>
  </Data>
(7) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="0000001E" />
  </Data>
(8) .profile_entries PASSED
  <Data>
    <DoubleLongUnsigned Value="00000198" />
  </Data>
Mngmt Get M-Bus Master Load profile for channel 2 0-2:24.3.0.255 (@1849)
(9) .logical_name PASSED
  <Data>
    <OctetString Value="0002180300FF" />
  </Data>
(10) .buffer PASSED
  Earliest date: 17-NOV-2015 06:00:00, latest date: 18-NOV-2015 17:00:00
  Middle date: 18-NOV-2015 00:00:00
(11) .capture_objects PASSED
  <Data>
    <Array Qty="0006" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0002600A03FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0002180201FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0002180202FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0002180203FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0002180204FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
(12) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000E10" />
  </Data>
(13) .sort_method PASSED
  <Data>
    <Enum Value="04" />
  </Data>
(14) .sort_object PASSED
  <Data>
    <Structure Qty="0004" >
      <LongUnsigned Value="0008" />
      <OctetString Value="0000010000FF" />
      <Integer Value="02" />
      <LongUnsigned Value="0000" />
    </Structure>
  </Data>
(15) .entries_in_use PASSED

```

```

<Data>
  <DoubleLongUnsigned Value="0000001E" />
</Data>
(16) .profile_entries PASSED
  <Data>
    <DoubleLongUnsigned Value="00000198" />
  </Data>

Mngmt Get M-Bus Master Load profile for channel 3 0-3:24.3.0.255 (@1860)
(17) .logical_name PASSED
  <Data>
    <OctetString Value="0003180300FF" />
  </Data>
(18) .buffer PASSED
  Earliest date: 17-NOV-2015 06:00:00, latest date: 18-NOV-2015 17:00:00
  Middle date: 18-NOV-2015 00:00:00
(19) .capture_objects PASSED
  <Data>
    <Array Qty="0006" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0003600A03FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0003180201FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0003180202FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0003180203FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0003180204FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
(20) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000E10" />
  </Data>
(21) .sort_method PASSED
  <Data>
    <Enum Value="04" />
  </Data>
(22) .sort_object PASSED
  <Data>
    <Structure Qty="0004" >
      <LongUnsigned Value="0008" />
      <OctetString Value="0000010000FF" />
      <Integer Value="02" />
      <LongUnsigned Value="0000" />
    </Structure>
  </Data>
(23) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="0000001E" />
  </Data>
(24) .profile_entries PASSED
  <Data>
    <DoubleLongUnsigned Value="00000198" />
  </Data>

Mngmt Get M-Bus Master Load profile for channel 4 0-4:24.3.0.255 (@1871)
(25) .logical_name PASSED
  <Data>
    <OctetString Value="0004180300FF" />
  </Data>
(26) .buffer PASSED
  Earliest date: 17-NOV-2015 05:00:00, latest date: 18-NOV-2015 17:00:00

```

```

Middle date: 17-NOV-2015 23:00:00
(27) .capture_objects PASSED
  <Data>
    <Array Qty="0006" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0004600A03FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0004180201FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0004180202FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0004180203FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0004180204FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
(28) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000E10" />
  </Data>
(29) .sort_method PASSED
  <Data>
    <Enum Value="04" />
  </Data>
(30) .sort_object PASSED
  <Data>
    <Structure Qty="0004" >
      <LongUnsigned Value="0008" />
      <OctetString Value="0000010000FF" />
      <Integer Value="02" />
      <LongUnsigned Value="0000" />
    </Structure>
  </Data>
(31) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="0000001F" />
  </Data>
(32) .profile_entries PASSED
  <Data>
    <DoubleLongUnsigned Value="00000198" />
  </Data>

*****
Test Case 16 : Ext. M - M-Bus Control Logs, 41 item(s)
*****

Mngmt Get M-Bus Master Load profile for channel 4 0-4:24.3.0.255 (@1871)
(1) .profile_entries PASSED
  <Data>
    <DoubleLongUnsigned Value="00000198" />
  </Data>

Mngmt Get M-Bus Master Control log object 1 0-1:24.5.0.255 (@1941)
(2) .logical_name PASSED
  <Data>
    <OctetString Value="0001180500FF" />
  </Data>
(3) .buffer PASSED
  Earliest date: 06-NOV-2015 18:59:56, latest date: 17-NOV-2015 12:35:05
  Middle date: 06-NOV-2015 22:00:10
(4) .capture_objects PASSED
  <Data>
    <Array Qty="0002" >
      <Structure Qty="0004" >

```

```

        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
    </Structure>
</Array>
</Data>
(5) .capture_period PASSED
    <Data>
        <DoubleLongUnsigned Value="00000000" />
    </Data>
(6) .sort_method PASSED
    <Data>
        <Enum Value="01" />
    </Data>
(7) .sort_object PASSED
    <Data>
        <Structure Qty="0004" >
            <LongUnsigned Value="0000" />
            <OctetString Value="000000000000" />
            <Integer Value="00" />
            <LongUnsigned Value="0000" />
        </Structure>
    </Data>
(8) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="00000006" />
    </Data>
(9) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="00000024" />
    </Data>
Mngmt Get M-Bus Master Control log object 2 0-2:24.5.0.255 (@1952)
(10) .logical_name PASSED
    <Data>
        <OctetString Value="0002180500FF" />
    </Data>
(11) .buffer PASSED
    Earliest date: 06-NOV-2015 18:59:56, latest date: 17-NOV-2015 12:35:20
    Middle date: 06-NOV-2015 21:59:56
(12) .capture_objects PASSED
    <Data>
        <Array Qty="0002" >
            <Structure Qty="0004" >
                <LongUnsigned Value="0008" />
                <OctetString Value="0000010000FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0001" />
                <OctetString Value="0002600B04FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
        </Array>
    </Data>
(13) .capture_period PASSED
    <Data>
        <DoubleLongUnsigned Value="00000000" />
    </Data>
(14) .sort_method PASSED
    <Data>
        <Enum Value="01" />
    </Data>
(15) .sort_object PASSED
    <Data>
        <Structure Qty="0004" >
            <LongUnsigned Value="0000" />
            <OctetString Value="000000000000" />
            <Integer Value="00" />
            <LongUnsigned Value="0000" />
        </Structure>
    </Data>
(16) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="00000007" />
    </Data>
(17) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="00000024" />
    </Data>

```

```

Mngmt Get M-Bus Master Control log object 3 0-3:24.5.0.255 (@1963)
(18) .logical_name PASSED
    <Data>
    <OctetString Value="0003180500FF" />
    </Data>
(19) .buffer PASSED
    Earliest date: 06-NOV-2015 18:59:56, latest date: 06-NOV-2015 22:59:56
    Middle date: 06-NOV-2015 21:59:56
(20) .capture_objects PASSED
    <Data>
    <Array Qty="0002" >
    <Structure Qty="0004" >
    <LongUnsigned Value="0008" />
    <OctetString Value="0000010000FF" />
    <Integer Value="02" />
    <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0004" >
    <LongUnsigned Value="0001" />
    <OctetString Value="0003600B04FF" />
    <Integer Value="02" />
    <LongUnsigned Value="0000" />
    </Structure>
    </Array>
    </Data>
(21) .capture_period PASSED
    <Data>
    <DoubleLongUnsigned Value="00000000" />
    </Data>
(22) .sort_method PASSED
    <Data>
    <Enum Value="01" />
    </Data>
(23) .sort_object PASSED
    <Data>
    <Structure Qty="0004" >
    <LongUnsigned Value="0000" />
    <OctetString Value="000000000000" />
    <Integer Value="00" />
    <LongUnsigned Value="0000" />
    </Structure>
    </Data>
(24) .entries_in_use PASSED
    <Data>
    <DoubleLongUnsigned Value="00000006" />
    </Data>
(25) .profile_entries PASSED
    <Data>
    <DoubleLongUnsigned Value="00000024" />
    </Data>

Mngmt Get M-Bus Master Control log object 4 0-4:24.5.0.255 (@1974)
(26) .logical_name PASSED
    <Data>
    <OctetString Value="0004180500FF" />
    </Data>
(27) .buffer PASSED
    Earliest date: 06-NOV-2015 18:59:55, latest date: 06-NOV-2015 22:59:55
    Middle date: 06-NOV-2015 21:00:40
(28) .capture_objects PASSED
    <Data>
    <Array Qty="0002" >
    <Structure Qty="0004" >
    <LongUnsigned Value="0008" />
    <OctetString Value="0000010000FF" />
    <Integer Value="02" />
    <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0004" >
    <LongUnsigned Value="0001" />
    <OctetString Value="0004600B04FF" />
    <Integer Value="02" />
    <LongUnsigned Value="0000" />
    </Structure>
    </Array>
    </Data>
(29) .capture_period PASSED
    <Data>
    <DoubleLongUnsigned Value="00000000" />
    </Data>
(30) .sort_method PASSED
    <Data>
    <Enum Value="01" />
    </Data>
(31) .sort_object PASSED
    <Data>
    <Structure Qty="0004" >
    <LongUnsigned Value="0000" />
    <OctetString Value="000000000000" />
    <Integer Value="00" />
    </Structure>

```

```

        <LongUnsigned Value="0000" />
    </Structure>
</Data>
(32) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="00000006" />
    </Data>
(33) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="00000024" />
    </Data>
Mngmt Get M-Bus Event Log 0-0:99.98.3.255 (@1989)
(34) .logical_name PASSED
    <Data>
        <OctetString Value="0000636203FF" />
    </Data>
(35) .buffer PASSED
    Earliest date: 16-NOV-2015 15:46:17, latest date: 01-SEP-2016 23:59:50
    Middle date: 17-NOV-2015 05:59:50
(36) .capture_objects PASSED
    <Data>
        <Array Qty="0002" >
            <Structure Qty="0004" >
                <LongUnsigned Value="0008" />
                <OctetString Value="0000010000FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0001" />
                <OctetString Value="0000600B03FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
        </Array>
    </Data>
(37) .capture_period PASSED
    <Data>
        <DoubleLongUnsigned Value="00000000" />
    </Data>
(38) .sort_method PASSED
    <Data>
        <Enum Value="01" />
    </Data>
(39) .sort_object PASSED
    <Data>
        <Structure Qty="0004" >
            <LongUnsigned Value="0000" />
            <OctetString Value="000000000000" />
            <Integer Value="00" />
            <LongUnsigned Value="0000" />
        </Structure>
    </Data>
(40) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="00000048" />
    </Data>
(41) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="00000048" />
    </Data>
*****
Test Case 17 : Ext. M - M-Bus Disconnect, 22 item(s)
*****
Mngmt Get M-Bus Master Disconnect control object 1 0-1:24.4.0.255 (@1882)
(1) .logical_name PASSED
    <Data>
        <OctetString Value="0001180400FF" />
    </Data>
(2) .output_state PASSED
    <Data>
        <Boolean Value="01" />
    </Data>
(3) .control_state PASSED
    <Data>
        <Enum Value="00" />
    </Data>
(4) .control_mode PASSED
    <Data>
        <Enum Value="01" />
    </Data>
Mngmt Get M-Bus Master Disconnect control object 2 0-2:24.4.0.255 (@1890)
(5) .logical_name PASSED
    <Data>
        <OctetString Value="0002180400FF" />
    </Data>

```



(6) .output_state	PASSED
<pre> &lt;Data&gt;   &lt;Boolean Value="01" /&gt; &lt;/Data&gt; </pre>	
(7) .control_state	PASSED
<pre> &lt;Data&gt;   &lt;Enum Value="00" /&gt; &lt;/Data&gt; </pre>	
(8) .control_mode	PASSED
<pre> &lt;Data&gt;   &lt;Enum Value="01" /&gt; &lt;/Data&gt; </pre>	
Mngmt Get M-Bus Master Disconnect control object 3 0-3:24.4.0.255 (@1898)	
(9) .logical_name	PASSED
<pre> &lt;Data&gt;   &lt;OctetString Value="0003180400FF" /&gt; &lt;/Data&gt; </pre>	
(10) .output_state	PASSED
<pre> &lt;Data&gt;   &lt;Boolean Value="01" /&gt; &lt;/Data&gt; </pre>	
(11) .control_state	PASSED
<pre> &lt;Data&gt;   &lt;Enum Value="01" /&gt; &lt;/Data&gt; </pre>	
(12) .control_mode	PASSED
<pre> &lt;Data&gt;   &lt;Enum Value="01" /&gt; &lt;/Data&gt; </pre>	
Mngmt Get M-Bus Master Disconnect control object 4 0-4:24.4.0.255 (@1906)	
(13) .logical_name	PASSED
<pre> &lt;Data&gt;   &lt;OctetString Value="0004180400FF" /&gt; &lt;/Data&gt; </pre>	
(14) .output_state	PASSED
<pre> &lt;Data&gt;   &lt;Boolean Value="01" /&gt; &lt;/Data&gt; </pre>	
(15) .control_state	PASSED
<pre> &lt;Data&gt;   &lt;Enum Value="01" /&gt; &lt;/Data&gt; </pre>	
(16) .control_mode	PASSED
<pre> &lt;Data&gt;   &lt;Enum Value="01" /&gt; &lt;/Data&gt; </pre>	
Mngmt Get M-Bus Disconnect control scheduler 0-1:15.0.1.255 (@1914)	
(17) .logical_name	PASSED
<pre> &lt;Data&gt;   &lt;OctetString Value="00010F0001FF" /&gt; &lt;/Data&gt; </pre>	
(18) .executed_script	PASSED
<pre> &lt;Data&gt;   &lt;Structure Qty="0002" &gt;     &lt;OctetString Value="00010A006AFF" /&gt;     &lt;LongUnsigned Value="0001" /&gt;   &lt;/Structure&gt; &lt;/Data&gt; </pre>	
(19) .type	PASSED
<pre> &lt;Data&gt;   &lt;Enum Value="01" /&gt; &lt;/Data&gt; </pre>	
(20) .execution_time	PASSED
<pre> &lt;Data&gt;   &lt;Array Qty="0001" &gt;     &lt;Structure Qty="0002" &gt;       &lt;OctetString Value="FFFFFFFF" /&gt;       &lt;OctetString Value="FFFFFFFF" /&gt;     &lt;/Structure&gt;   &lt;/Array&gt; &lt;/Data&gt; </pre>	
Mngmt Get M-Bus Disconnect script table 0-1:10.0.106.255 (@1920)	
(21) .logical_name	PASSED
<pre> &lt;Data&gt;   &lt;OctetString Value="00010A006AFF" /&gt; &lt;/Data&gt; </pre>	
(22) .scripts	PASSED
<pre> &lt;Data&gt;   &lt;Array Qty="0010" &gt;     &lt;Structure Qty="0002" &gt;       &lt;LongUnsigned Value="0001" /&gt;       &lt;Array Qty="0001" &gt;         &lt;Structure Qty="0005" &gt;           &lt;Enum Value="01" /&gt;           &lt;LongUnsigned Value="0046" /&gt;           &lt;OctetString Value="0001180400FF" /&gt;         &lt;/Structure&gt;       &lt;/Array&gt;     &lt;/Structure&gt;   &lt;/Array&gt; </pre>	

```

        <Integer Value="03" />
        <Enum Value="02" />
    </Structure>
</Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0002" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="01" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0001180400FF" />
            <Integer Value="03" />
            <Enum Value="01" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0003" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="01" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0002180400FF" />
            <Integer Value="03" />
            <Enum Value="02" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0004" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="01" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0002180400FF" />
            <Integer Value="03" />
            <Enum Value="01" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0005" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="01" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0003180400FF" />
            <Integer Value="03" />
            <Enum Value="02" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0006" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="01" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0003180400FF" />
            <Integer Value="03" />
            <Enum Value="01" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0007" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="01" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0004180400FF" />
            <Integer Value="03" />
            <Enum Value="02" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0008" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="01" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0004180400FF" />
            <Integer Value="03" />
            <Enum Value="01" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >

```

```

<LongUnsigned Value="0009" />
<Array Qty="0001" >
  <Structure Qty="0005" >
    <Enum Value="02" />
    <LongUnsigned Value="0046" />
    <OctetString Value="0001180400FF" />
    <Integer Value="01" />
    <Integer Value="00" />
  </Structure>
</Array>
</Structure>
<Structure Qty="0002" >
  <LongUnsigned Value="000A" />
  <Array Qty="0001" >
    <Structure Qty="0005" >
      <Enum Value="02" />
      <LongUnsigned Value="0046" />
      <OctetString Value="0001180400FF" />
      <Integer Value="02" />
      <Integer Value="00" />
    </Structure>
  </Array>
</Structure>
<Structure Qty="0002" >
  <LongUnsigned Value="000B" />
  <Array Qty="0001" >
    <Structure Qty="0005" >
      <Enum Value="02" />
      <LongUnsigned Value="0046" />
      <OctetString Value="0002180400FF" />
      <Integer Value="01" />
      <Integer Value="00" />
    </Structure>
  </Array>
</Structure>
<Structure Qty="0002" >
  <LongUnsigned Value="000C" />
  <Array Qty="0001" >
    <Structure Qty="0005" >
      <Enum Value="02" />
      <LongUnsigned Value="0046" />
      <OctetString Value="0002180400FF" />
      <Integer Value="02" />
      <Integer Value="00" />
    </Structure>
  </Array>
</Structure>
<Structure Qty="0002" >
  <LongUnsigned Value="000D" />
  <Array Qty="0001" >
    <Structure Qty="0005" >
      <Enum Value="02" />
      <LongUnsigned Value="0046" />
      <OctetString Value="0003180400FF" />
      <Integer Value="01" />
      <Integer Value="00" />
    </Structure>
  </Array>
</Structure>
<Structure Qty="0002" >
  <LongUnsigned Value="000E" />
  <Array Qty="0001" >
    <Structure Qty="0005" >
      <Enum Value="02" />
      <LongUnsigned Value="0046" />
      <OctetString Value="0003180400FF" />
      <Integer Value="02" />
      <Integer Value="00" />
    </Structure>
  </Array>
</Structure>
<Structure Qty="0002" >
  <LongUnsigned Value="000F" />
  <Array Qty="0001" >
    <Structure Qty="0005" >
      <Enum Value="02" />
      <LongUnsigned Value="0046" />
      <OctetString Value="0004180400FF" />
      <Integer Value="01" />
      <Integer Value="00" />
    </Structure>
  </Array>
</Structure>
<Structure Qty="0002" >
  <LongUnsigned Value="0010" />
  <Array Qty="0001" >
    <Structure Qty="0005" >
      <Enum Value="02" />
      <LongUnsigned Value="0046" />
      <OctetString Value="0004180400FF" />

```

```

                <Integer Value="02" />
                <Integer Value="00" />
            </Structure>
        </Array>
    </Structure>
</Array>
</Data>

*****
Test Case 18 : Consumer Interface, 12 item(s)
*****

Mngmt Get Push action scheduler - Consumer Information 0-4:15.0.4.255 (@351)
(1) .logical_name PASSED
    <Data>
        <OctetString Value="00040F0004FF" />
    </Data>
(2) .executed_script PASSED
    <Data>
        <Structure Qty="0002" >
            <OctetString Value="00000A006CFF" />
            <LongUnsigned Value="0008" />
        </Structure>
    </Data>
(3) .type PASSED
    <Data>
        <Enum Value="05" />
    </Data>
(4) .execution_time PASSED
    <Data>
        <Array Qty="0004" >
            <Structure Qty="0002" >
                <OctetString Value="FFFF0000" />
                <OctetString Value="FFFFFFFF" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="FFFF0F00" />
                <OctetString Value="FFFFFFFF" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="FFFF1E00" />
                <OctetString Value="FFFFFFFF" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="FFFF2D00" />
                <OctetString Value="FFFFFFFF" />
            </Structure>
        </Array>
    </Data>

Mngmt Set Push setup - Consumer Information 0-6:25.9.0.255 (@357)
(5) .push_object_list PASSED
    <Data>
        <Array Qty="0003" >
            <Structure Qty="0004" >
                <LongUnsigned Value="0008" />
                <OctetString Value="0000010000FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0001" />
                <OctetString Value="0000600100FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0001" />
                <OctetString Value="0000600D00FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
        </Array>
    </Data>
(6) .communication_window PASSED
    <Data>
        <Array Qty="0000" >
        </Array>
    </Data>
(7) .randomisation_start_interval PASSED
    <Data>
        <LongUnsigned Value="0000" />
    </Data>
(8) .number_of_retries PASSED
    <Data>
        <Unsigned Value="01" />
    </Data>
(9) .repetition_delay PASSED
    <Data>
        <LongUnsigned Value="0030" />
    </Data>

```

```

        </Data>

Mngmt Get Security setup - Consumer Information 0-0:43.0.1.255 (@367)
(10) .logical_name PASSED
    <Data>
    <OctetString Value="00002B0001FF" />
    </Data>
(11) .security_policy PASSED
    <Data>
    <Enum Value="03" />
    </Data>
(12) .security_suite PASSED
    <Data>
    <Enum Value="00" />
    </Data>

*****
Test Case 19 : FIT Push, 3 item(s)
*****
(1) Push on installation PASSED
(2) Push on alarm PASSED
(3) Push on power down INAPPLICABLE
    Push setup on power down not available

*****
Test Case 20 : FIT Miscellaneous, 2 item(s)
*****
(1) Disconnecter Script Table PASSED
(2) Load profile with period 1 DST ambiguity PASSED

*****
* CTI *
*****

// CTI: E35C-AD-xU IDIS Package 2
// iCTT2 (109)
// Last update: 2015-09-19, Sonu Verma

// The CTI has a specified syntax but it's format is free

// Mandatory 'Manufacturer' structure
// *****
Manufacturer = {
    // Keep the leading '\\' to denote a visible-string.
    Name = '\\Landis+Gyr'
    // Enter here the manufacturer's FLAG id
    ThreeLettersId = 'LGZ'
}

// Mandatory 'DeviceUnderTest' structure
// *****
DeviceUnderTest = {

    // IDISDeviceType is 102 or 103, it is part of the DUT system title
    IDISDeviceType = 102

    // IDISFunctionType indicates the extension(s) supported by the DUT,
    // it is also a part of the DUT system title: Extension_D, Extension_L and Extension_M
    IDISFunctionType = [Extension_D,Extension_M, Extension_L]

    Type = '\\Any string' //14851579

    // The serial number of the DUT is pa part of its system title.
    SerialNr = 31453974//14754702//15191622//16819055//14851579

    // IPVersion indicates what IP related objects of the OM are tested: objects marked as M-I4 are
    // tested when IPVersion = IPv4, the same holds for M-I6 and IPVersion = IPv6
    IPVersion = IPv4 // one of IPv4, IPv6

    // DataLinkLayer indicates what DL related objects of the OM are tested: objects marked as GPRS are
    // tested when DataLinkLayer = GPRS, the same holds for M-E and ETHERNET
    DataLinkLayer = GPRS // one of GPRS, ETHERNET

    ConsumerInformationPush = TRUE
}

// Mandatory 'ObjectMode' structure
// *****
// It defines the variant of the object model that the iCTT uses for testing.
ObjectModel = {
    // Optional objects implemented
    OptionalObjects = '\\
    + '1-1:0.2.0.255|1,' // Firmware Version 1
    + '1-2:0.2.0.255|1,' // Module Fix firmware version (with bootloader)
    + '1-1:0.2.8.255|1,' // Firmware Signature 1
    + '1-2:0.2.8.255|1,' // Active firmware version signature (module flex part)
    //+ '0-5:25.9.0.255|40,' // Power Down Push
    + '1-0:0.9.1.255|1,' // Local Time
    + '1-0:0.9.2.255|1,' // Local Date

```

```

+ '0-2:96.3.10.255|70,' // Load Mgmt - Relay control 2
+ '1-0:9.8.0.255|3,' // Apparent energy import (+VA) (QI+QIV)
+ '1-0:10.8.0.255|3,' // Apparent energy export (-VA) (QII+QIII)
+ '1-0:14.7.0.255|3,' // Instantaneous net frequency; any phase
+ '1-0:13.7.0.255|3,' // Instantaneous Power factor (+A/+VA)
+ '1-0:5.8.1.255|3,' // Reactive energy (QI) rate 1
+ '1-0:5.8.2.255|3,' // Reactive energy (QI) rate 2
+ '1-0:5.8.3.255|3,' // Reactive energy (QI) rate 3
+ '1-0:5.8.4.255|3,' // Reactive energy (QI) rate 4
+ '1-0:6.8.1.255|3,' // Reactive energy (QII) rate 1
+ '1-0:6.8.2.255|3,' // Reactive energy (QII) rate 2
+ '1-0:6.8.3.255|3,' // Reactive energy (QII) rate 3
+ '1-0:6.8.4.255|3,' // Reactive energy (QII) rate 4
+ '1-0:7.8.1.255|3,' // Reactive energy (QIII) rate 1
+ '1-0:7.8.2.255|3,' // Reactive energy (QIII) rate 2
+ '1-0:7.8.3.255|3,' // Reactive energy (QIII) rate 3
+ '1-0:7.8.4.255|3,' // Reactive energy (QIII) rate 4
+ '1-0:8.8.1.255|3,' // Reactive energy (QIV) rate 1
+ '1-0:8.8.2.255|3,' // Reactive energy (QIV) rate 2
+ '1-0:8.8.3.255|3,' // Reactive energy (QIV) rate 3
+ '1-0:8.8.4.255|3,' // Reactive energy (QIV) rate 4
//+ '1-0:9.8.1.255|3,' // Apparent energy import (+VA) rate 1
//+ '1-0:9.8.2.255|3,' // Apparent energy import (+VA) rate 2
//+ '1-0:9.8.3.255|3,' // Apparent energy import (+VA) rate 3
//+ '1-0:9.8.4.255|3,' // Apparent energy import (+VA) rate 4
//+ '1-0:10.8.1.255|3,' // Apparent energy export (-VA) rate 1
//+ '1-0:10.8.2.255|3,' // Apparent energy export (-VA) rate 2
//+ '1-0:10.8.3.255|3,' // Apparent energy export (-VA) rate 3
//+ '1-0:10.8.4.255|3,' // Apparent energy export (-VA) rate 4
//+ '1-0:15.8.1.255|3,' // Active energy Combined total ((+A)+(-A)) rate 1
//+ '1-0:15.8.2.255|3,' // Active energy Combined total ((+A)+(-A)) rate 2
//+ '1-0:15.8.3.255|3,' // Active energy Combined total ((+A)+(-A)) rate 3
//+ '1-0:15.8.4.255|3,' // Active energy Combined total ((+A)+(-A)) rate 4
+ '1-0:1.4.0.255|5,' // Demand Register 1 - Active energy import (+A)
+ '1-0:9.4.0.255|5,' // Demand Register 5 - Apparent energy import (+VA)
+ '1-0:10.4.0.255|5,' // Demand Register 6 - Apparent energy export (-VA)
+ '1-0:1.6.0.255|4,' // Maximum Demand Register 1 - Active energy import (+A)
+ '1-0:1.6.1.255|4,' // Maximum Demand Register 2 - Active energy import (+A) - rate 1
+ '1-0:1.6.2.255|4,' // Maximum Demand Register 3 - Active energy import (+A) - rate 2
+ '1-0:1.6.3.255|4,' // Maximum Demand Register 4 - Active energy import (+A) - rate 3
+ '1-0:1.6.4.255|4,' // Maximum Demand Register 5 - Active energy import (+A) - rate 4
+ '1-0:2.6.1.255|4,' // Maximum Demand Register 7 - Active energy export (-A) - rate 1
+ '1-0:2.6.2.255|4,' // Maximum Demand Register 8 - Active energy export (-A) - rate 2
+ '1-0:2.6.3.255|4,' // Maximum Demand Register 9 - Active energy export (-A) - rate 3
+ '1-0:2.6.4.255|4,' // Maximum Demand Register 10 - Active energy export (-A) - rate 4
+ '1-0:3.6.0.255|4,' // Maximum Demand Register 11 - Reactive energy import (+R)
+ '1-0:3.6.1.255|4,' // Maximum Demand Register 12 - Reactive energy import (+R) - rate 1
+ '1-0:3.6.2.255|4,' // Maximum Demand Register 13 - Reactive energy import (+R) - rate 2
+ '1-0:3.6.3.255|4,' // Maximum Demand Register 14 - Reactive energy import (+R) - rate 3
+ '1-0:3.6.4.255|4,' // Maximum Demand Register 15 - Reactive energy import (+R) - rate 4
+ '1-0:4.6.0.255|4,' // Maximum Demand Register 16 - Reactive energy export (-R)
+ '1-0:4.6.1.255|4,' // Maximum Demand Register 17 - Reactive energy export (-R) - rate 1
+ '1-0:4.6.2.255|4,' // Maximum Demand Register 18 - Reactive energy export (-R) - rate 2
+ '1-0:4.6.3.255|4,' // Maximum Demand Register 19 - Reactive energy export (-R) - rate 3
+ '1-0:4.6.4.255|4,' // Maximum Demand Register 20 - Reactive energy export (-R) - rate 4
+ '0-0:25.10.0.255|100,' // NTP setup @100
// CIP is supported - 49 tests
+ '0-4:15.0.4.255|22,' // Push action scheduler - Consumer Information
+ '0-6:25.9.0.255|40,' // Push setup - Consumer Information
+ '0-0:43.0.1.255|64,' // Security setup - Consumer Information
+ '0-1:22.0.0.255|23,' // IEC HDLC setup1 - Consumer Information port

// Consumer message objects are mandatory
+ '0-0:96.13.1.255|1,' //Consumer Message Code
+ '0-0:96.13.0.255|1,' //Consumer Message Text
+ '1-0:9.7.0.255|3,' //Instantaneous apparent import power (S)
+ '1-0:10.7.0.255|3,' //Instantaneous apparent export power (-S)
+ '1-0:16.24.0.255|5,' //Average Net Power ((+A)-(-A))
//+ '1-0:13.7.0.255|3,' //Instantaneous power factor (PF)
+ '1-0:13.5.0.255|4,' //Last average power factor (PF)
+ '1-0:13.3.0.255|4,' //Minimum power factor (PF)
+ '1-0:0.8.2.255|3,' //Measurement period 3 for instantaneous values
+ '0-1:24.6.0.255|74,' //M-Bus master port setup 2 - wireless
//+ '0-5:25.9.0.255|40,' //Push setup - On Power down

InstanceExtraInfo = {
// Set clock to 19/11/2015 20:00:00
LogicalName = '0-0:1.0.0.255'
ClassId = 8
AttributeExtraInfo = {
// capture_objects
AttributeId = 2
SetData = '<Data><OctetString Value="07DF0B13FF140000FF8000FF" /></Data>'
}
}

InstanceExtraInfo = {
// Set AuthenticationKey NTP setup @100
LogicalName = '0-0:25.10.0.255'

```

```

ClassId = 100
AttributeExtraInfo = {
  AttributeId = 6
  SetData = '\
    +' <Data>'
    +' <Array Qty="0001" >'
    +' <Structure Qty="0002" >'
    +' <DoubleLongUnsigned Value="00000001" />'
    +' <OctetString Value="1234567890ABCDEF" />'
    +' </Structure>'
    +' </Array>'
    +' </Data>'
  }
AttributeExtraInfo = {
  AttributeId = 7
  SetData = '\<Data><OctetString Value="1234567890ABCDEF" /></Data>'
}

MethodExtraInfo = {
  //add authentication_key
  MethodId = 2
  AccessRights = [ACTION]
}

MethodExtraInfo = {
  //client_key
  MethodId = 3
  AccessRights = [ACTION]
}
}

InstanceExtraInfo = {
// Set CIP PushSetup.push_object_list {Clock.time, DeviceID1.value, ConsumerMessageText.value.}
  LogicalName = '0-6:25.9.0.255'
  ClassId = 40
  AttributeExtraInfo = {
    AttributeId = 2
    SetData = '\
      +' <Data>'
      +' <Array Qty="0003" >'
      +' <Structure Qty="0004" >'
      +' <LongUnsigned Value="0008" />'
      +' <OctetString Value="00001000FF" />'
      +' <Integer Value="02" />'
      +' <LongUnsigned Value="0000" />'
      +' </Structure>'
      +' <Structure Qty="0004" >'
      +' <LongUnsigned Value="0001" />'
      +' <OctetString Value="0000600100FF" />'
      +' <Integer Value="02" />'
      +' <LongUnsigned Value="0000" />'
      +' </Structure>'
      +' <Structure Qty="0004" >'
      +' <LongUnsigned Value="0001" />'
      +' <OctetString Value="0000600D00FF" />'
      +' <Integer Value="02" />'
      +' <LongUnsigned Value="0000" />'
      +' </Structure>'
      +' </Array>'
      +' </Data>'
    }
  }

// Set Push setup - ConsumerInformation.communication_windows
  AttributeExtraInfo = {
    AttributeId = 4
    SetData = '\
      +' <Data>'
      +' <Array Qty="0000" >'
      +' </Array>'
      +' </Data>'
    }
  }

// Set Push setup - ConsumerInformation.randomisation_start_interval
  AttributeExtraInfo = {
    AttributeId = 5
    SetData = '\<Data><LongUnsigned Value = "0000" /></Data>'
  }
}

// Set Push setup - ConsumerInformation.number_of_retries
  AttributeExtraInfo = {
    AttributeId = 6
    SetData = '\<Data><Unsigned Value = "01" /></Data>'
  }
}

// Set Push setup - ConsumerInformation.repetition_delay
  AttributeExtraInfo = {
    AttributeId = 7
    SetData = '\<Data><LongUnsigned Value = "0030" /></Data>'
  }
}

InstanceExtraInfo = {

```

```

// Tariffication script table
LogicalName = '0-0:10.0.100.255'
ClassId = 9
MethodExtraInfo = {
  //execute
  MethodId = 1
  AccessRights = [ACTION]
}
}

InstanceExtraInfo = {
  // Disconnector Control Log
  LogicalName = '0-0:99.98.2.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Load Mgmt - Relay control 1
  LogicalName = '0-1:96.3.10.255'
  ClassId = 70
  AttributeExtraInfo = {
    // control mode
    AttributeId = 4
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Load Mgmt - Relay control 2 (@205)
  LogicalName = '0-2:96.3.10.255'
  ClassId = 70
  AttributeExtraInfo = {
    // control mode
    AttributeId = 4
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Limiter
  LogicalName = '0-0:17.0.0.255'
  ClassId = 71
  AttributeExtraInfo = {
    // actions
    AttributeId = 11
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Standard Event Log
  LogicalName = '0-0:99.98.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Fraud Detection Log
  LogicalName = '0-0:99.98.1.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-0:99.98.5.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Power Failure Event Log

```



```

LogicalName = '1-0:99.97.0.255'
ClassId = 7
AttributeExtraInfo = {
  // capture_objects
  AttributeId = 3
  AccessRights = [GET,SET]
}
}

InstanceExtraInfo = {
  // Power Quality Log
  LogicalName = '0-0:99.98.4.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Auto Connect
  LogicalName = '0-0:2.1.0.255'
  ClassId = 29
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 6
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Register activation - Energy (@117)
  LogicalName = '0-0:14.0.1.255'
  ClassId = 6
  AttributeExtraInfo = {
    // register_assignment
    AttributeId = 2
    AccessRights = [GET]
  }
}

InstanceExtraInfo = {
  // Register activation - Maximum Demand (@123)
  LogicalName = '0-0:14.0.2.255'
  ClassId = 6
  AttributeExtraInfo = {
    // register_assignment
    AttributeId = 2
    AccessRights = [GET]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 1, instance 1 (@1571)
  LogicalName = '0-1:24.2.1.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 1, instance 2 (@1579)
  LogicalName = '0-1:24.2.2.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 1, instance 3 (@1587)
  LogicalName = '0-1:24.2.3.255'
  ClassId = 4
  AttributeExtraInfo = {

```

```

        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 1, instance 4 (@1595)
    LogicalName = '0-1:24.2.4.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 2, instance 1 (@1603)
    LogicalName = '0-2:24.2.1.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 2, instance 2 (@1611)
    LogicalName = '0-2:24.2.2.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 2, instance 3 (@1619)
    LogicalName = '0-2:24.2.3.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 2, instance 4 (@1627)
    LogicalName = '0-2:24.2.4.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}
}

```

```

InstanceExtraInfo = {
  // M-Bus Value channel 3, instance 1 (@1635)
  LogicalName = '0-3:24.2.1.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 3, instance 2 (@1643)
  LogicalName = '0-3:24.2.2.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 3, instance 3 (@1651)
  LogicalName = '0-3:24.2.3.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 3, instance 4 (@1659)
  LogicalName = '0-3:24.2.4.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 4, instance 1 (@1667)
  LogicalName = '0-4:24.2.1.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 4, instance 2 (@1675)
  LogicalName = '0-4:24.2.2.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

```

```

MethodExtraInfo = {
  // reset
  MethodId = 1
  AccessRights = [ACTION]
}
}

InstanceExtraInfo = {
  // M-Bus Value channel 4, instance 3 (@1683)
  LogicalName = '0-4:24.2.3.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 4, instance 4 (@1691)
  LogicalName = '0-4:24.2.4.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Master Control log object 1 (@1850)
  LogicalName = '0-1:24.5.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // M-Bus Master Control log object 2 (@1861)
  LogicalName = '0-2:24.5.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // M-Bus Master Control log object 3 (@1872)
  LogicalName = '0-3:24.5.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // M-Bus Master Control log object 4 (@1883)
  LogicalName = '0-4:24.5.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // M-Bus Event Log (@1898)
  LogicalName = '0-0:99.98.3.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3

```

```

        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
LogicalName = '0-1:24.1.0.255'
ClassId = 72
Version = 1
}

InstanceExtraInfo = {
LogicalName = '0-2:24.1.0.255'
ClassId = 72
Version = 1
}

InstanceExtraInfo = {
LogicalName = '0-3:24.1.0.255'
ClassId = 72
Version = 1
}

InstanceExtraInfo = {
LogicalName = '0-4:24.1.0.255'
ClassId = 72
Version = 1
}

InstanceExtraInfo = {
LogicalName = '0-0:40.0.0.255'
ClassId = 15
Version = 2
}

InstanceExtraInfo = {
// Set value for Consumer Message Text
LogicalName = '0-0:96.13.0.255'
ClassId = 1
AttributeExtraInfo = {
AttributeId = 2
SetData = '\<Data><OctetString Value="3132333435363738" /></Data>'
}
}

}

// Mandatory 'TestParameters' structure
// *****
// Defines miscellaneous values used during the test
TestParameters = {
// Optional delay (in ms) after executing the Disconnecter Control (class 70)
// connect and disconnect actions performed directly or via a script table.
ConnectDisconnectDelay = 30000

// Mandatory HES system title
ClientSystemTitle = '4C475A1169000000'

// Mandatory structure for the ImageTransfer
ImageTransfer = {
// Image identifier as passed to the image_transfer_initiate method
ImageIdentifier = '4D46575F6C6567616C00'
// Filename of the image to transfer. If no filepath is given, then the file
// is supposed to be in the same directory as the CTI file

ImageFileName = 'C:\IDIS Package 2 Tests\LG\IDIS_Conformance_Testing 2015-11\V54.01.28.00.33_FixFlex.img'//the image file
to be located in the CTI is!
// Time (in ms) that the iCTT loops reading the image_transfer status waiting for changes
Timeout = 60000//in miliseconds

// Push timeout is the time (in ms) awaited by the iCTT for the DUT to send a DataNotification
PushTimeout = 180000

// (Optional) Minimal Inter WPDU frames delay, is the minimal delay (in ms) between two WPDU frames sent by the wrapper layer.
// is null if not specified
MinInterWPDUFramesDelay = 1100

// (Optional) Profile periods qty is the number of entries created in the profiles by new profiles tests
// Must be larger than 5, defaults to 6 when not specified
ProfilePeriodsQty = 10

// (Optional) Capture delay in (ms) is a delay splitted in two unequal parts, before and after a capture.
// If we expect the DUT to make a capture at time T, then we set the clock to (T - CaptureDelay + 5sec)
// and wait for CaptureDelay seconds for the capture to occur.
// Default to 10000 (10sec)
CaptureDelay = 15000

// (Optional) Duration (in ms) of the clip call from return of ATDT to ATH (defaults to 12000)
ClipCallDuration = 20000
}

```

```

// (Optional) Some AutoConnect attributes
AutoConnect = {
    Repetitions = 2
    RepetitionDelay = 30
}

// (Optional) Some PushSetup attributes
PushSetup = {
    NumberOfRetries = 4
    RepetitionDelay = 30
}

// (optional) Delay (in ms) to wait before performing a wake-up, default = 10000
WakeUpDelay = 30000

// (optional) Delay in ms to wait between a disconnection and the sending of a SMS, default = 0
DisconnectToSendSMSDelay = 10000

// (optional) Delay in ms between the reception of a DataNotification and the closing of the inbound push-connection
// opened by the DUT. By default the value is 0. A value of 0xffffffff means that iCTT2 will NOT close the connection,
// the DUT will have to close the connection itself.
DataNotificationToDisconnectDelay = 4000
}

//The InitiateRequest embedded in the AARQ is ciphered (authentication and encryption)
//only if it carries a dedicated key and if the ContextName is LONG_NAME_WITH_CIPHERING
//according to the GB, ed. 7, p.141). By default, no dedicated key are used, and therefore
//the InitiateRequest is not ciphered. However, for test purpose, a dedicated key (equal to GUEK)
//can be requested in the InitiateRequest using the following CTI declaration:

TestOptions = {

// Miscellaneous = [2, 3] // 2 controls the AARQ and 3 the RLRQ
MbusChannelsTested = 1

//PushDestination = "\182.73.107.19:4059"

// (Optional) When set, it overrides the DUT number specified in settings
//DUTelNr = '+919458097667'

// (Optional) When set it overrides the DUT IP address specified in settings
//DUTIPAddress = "\117.226.50.179"

}

// Mandatory 'SecurityElements'
// *****
// There is one structure per client, each specifies an 'EncryptionKey'
// and a 'Policy'. An encryption key is a visible-string of 32 characters,
// with each pair encoding one byte of a 16 bytes binary key.
// Policy is one of NO_SECURITY, AUTHENTICATION, ENCRYPTION or AUTHENTICATION_AND_ENCRYPTION

RemoteSecurityElements = {

    Public = {
        ContextName = LONG_NAMES
        MechanismName = LOWEST_LEVEL_SECURITY
        Policy = NO_SECURITY
    }

    Management = {
        ContextName = LONG_NAMES_WITH_CIPHERING
        MechanismName = HIGH_LEVEL_SECURITY_GMAC
        Policy = AUTHENTICATION_AND_ENCRYPTION//NO_SECURITY
        Password = '\12345678'
    }

    PreEstablished = {
        Policy = NO_SECURITY
        ServerMaxReceivePduSize = 0x05DC
        CipheringStyle = service
    }
}

// SMS security elements
// Mandatory
SMSSecurityElements = {
    PreEstablished = {
        Policy = AUTHENTICATION_AND_ENCRYPTION
        ServerMaxReceivePDUSize = 138
        CipheringStyle = GENERAL
    }
}
}

```

```

// LocalSecurityElements
// Mandatory, used when making ''local'' accesses.
LocalSecurityElements = {

  Public = {
    ContextName = LONG_NAMES
    MechanismName = LOWEST_LEVEL_SECURITY
    Policy = NO_SECURITY
  }

  Management = {
    ContextName = LONG_NAMES
    MechanismName = LOW_LEVEL_SECURITY
    Policy = NO_SECURITY
    Password = '\12345678'
  }

  PreEstablished = {
    Policy = NO_SECURITY
    ServerMaxReceivePduSize = 0x05DC
    CipherringStyle = service
  }
}

// Parameters of the ''Local'' HDLC Profile
HDLCProfile = {

  PhysicalLayer = {
    OpeningMode = DIRECT_HDLC
    HdlcBaud = 9600
  }

  DataLinkLayer = {
    InactivityTimeout = 120000
    InterFrameTimeout = 100
    ResponseTimeout = 2000
    DISCToNDMTimeout = 2000
    AddressingSchemes = [ONE_BYTE_ADDRESSING]
  }

  // (Optional) Delay (ms) after sending an UI frame, default 0
  UIFrameDelay = 2000
  // (optional) UI frames info field length, default 128
  UIFrameLength = 126
}

TCPProfile = {
  ServerTCPPort = 4059
  ResponseTimeout = 120000
  ConnectTimeout = 120000
  DisconnectToConnectDelay = 10000
}

// END CTI_Template

*****
* Miscellaneous *
*****

TestMode:          TCP
Test Plan Signature: 873C99273A95B4A12259FC5FFC2725DC
Object Model:      IDIS - object model - V2.15 (20150821) - FIT MBUS Tests G350 (CorrectedAndValve status)-20151006.xlsx
DUT system title:  4C475A6671DFF316
Run number:        509

```

Fit #17

Device:E350 ZCF1....s2 + E35C-AD-xU DNV-GL, Arnhem, Netherlands, 19.11.2015

Page 40 of 40