

Final Interoperability Test Report

FIT #: **18**
 Date: 10.05.2016
 Location: DNV-GL, Arnhem, Netherlands
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APPLICANT

Company: Landis+Gyr
 Address: Theilerstrasse 1, 6301 Zug, Switzerland

DEVICE

Device type	E450 G3 IDIS (ZCXiqx0xQ S4)	
<i>Type indication on MID certificate</i>		<i>MID Certificate No.</i>
E450 G3 IDIS (ZCXiqx0xQ S4)		T10689R4
<i>IDIS Specification reference</i>	<i>DNV-GL IDIS Certification run No</i>	<i>Digital signature of the test report.</i>
Package 2 ed. 2.0	11	F543FDECDC504578533D96844474AAE2
<i>First certification</i>	<i>IDIS Label</i>	<i>Modular device</i>
<input checked="" type="checkbox"/>	0029	<input type="checkbox"/>
<i>General information about the device</i>		

FIRMWARE VERSIONS TESTED				<i>Final Integration Test No. 18</i>
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	Verdict
1	V91.05.00			Passed

Elster GmbH

Iskraemeco d.d.

Itron

Landis+Gyr AG

Fit #18

Device:E450 G3 IDIS (ZCXiqx0xQ S4)

DNV-GL, Arnhem, Netherlands, 10.05.2016

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FIRMWARE VERSIONS HISTORY				Final Integration Test	
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	No.	Verdict
1	V91.05.00			18	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 10-MAY-2016 12:59:15 iCTT2 Package 2, Edition 2.0, Revision 1 (122) Licensed to: KEMA-IDIS Cert. Tester: Bas Roelofsen ***** ***** * Identification * ***** Manufacturer = { Name = '\Landis + Gyr' ThreeLettersId = '\LGZ' } DeviceUnderTest = { Type = '\LGZ E450_ZCXi3x0xP..S4' IDISDeviceType = 102 IDISFunctionType = [EXTENSION_D, EXTENSION_L, EXTENSION_M] SerialNr = 17431108 IPVersion = IPV6 DataLinkLayer = G3 ConsumerInformationPush = TRUE EUI64Address = '000F93FFFE431108' } Active firmware identifier (1-0:0.2.0.255) = 56393130350000 ***** * Summary * ***** PASSED 227 FAILED 0 DISABLED 0 INAPPLICABLE 9 INCONCLUSIVE 0 FATAL 0 TOTAL 236 ***** Test Case 1 : Connect and release, 4 item(s) ***** (1) Connect Public PASSED </pre>		

(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="\17431108" />	
</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="\Device ID 2" />	
</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="\Device ID 3" />	
</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="\Device ID 4" />	
</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="\Device ID 5" />	
</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="\Device ID 6" />	
</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="\LG21020717431108" />	
</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="\LGZ1020717431108" />
    </Structure>
  </Array>
</Data>
*****
Test Case 5 : Read active FW versions, 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="56393130350000" />
  </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="\9FE7B2A9" />
  </Data>

Mngmt Get Active firmware identifier 1 1-1:0.2.0.255 (@420)
(5) .logical_name INAPPLICABLE
  Optional object is not implemented
(6) .value INAPPLICABLE
  Optional object is not implemented

Mngmt Get Active firmware signature 1 1-1:0.2.8.255 (@424)
(7) .logical_name INAPPLICABLE
  Optional object is not implemented
(8) .value INAPPLICABLE
  Optional object is not implemented

Mngmt Get Active firmware identifier 2 1-2:0.2.0.255 (@428)
(9) .logical_name INAPPLICABLE
  Optional object is not implemented
(10) .value INAPPLICABLE
  Optional object is not implemented

Mngmt Get Active firmware signature 2 1-2:0.2.8.255 (@432)
(11) .logical_name INAPPLICABLE
  Optional object is not implemented
(12) .value INAPPLICABLE
  Optional object is not implemented

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

Pre Set Clock 0-0:1.0.0.255 (@75)
(1) .time PASSED
  <Data>
    <OctetString Value="07E0050A020D1627FF8000FF" />
  </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="07E0050A020D1627FF800080" />
  </Data>

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

Pre Set Special Days Table 0-0:11.0.0.255 (@125)
(1) .entries PASSED
  <Data>
    <Array Qty="000F" >
      <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0201FF" />
      </Structure>
    </Array>
  </Data>

```

```

    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0102FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0103FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0104FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0105FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0106FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0107FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0108FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0109FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF010AFF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF010BFF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF010CFF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF010DFF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF010EFF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF010FFF" />
    <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="000F" >
      <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0201FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="0001" />

```

```

<OctetString Value="FFFF0102FF" />
<Unsigned Value="02" />
</Structure>
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0103FF" />
  <Unsigned Value="02" />
</Structure>
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0104FF" />
  <Unsigned Value="02" />
</Structure>
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0105FF" />
  <Unsigned Value="02" />
</Structure>
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0106FF" />
  <Unsigned Value="02" />
</Structure>
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0107FF" />
  <Unsigned Value="02" />
</Structure>
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0108FF" />
  <Unsigned Value="02" />
</Structure>
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0109FF" />
  <Unsigned Value="02" />
</Structure>
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF010AFF" />
  <Unsigned Value="02" />
</Structure>
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF010BFF" />
  <Unsigned Value="02" />
</Structure>
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF010CFF" />
  <Unsigned Value="02" />
</Structure>
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF010DFF" />
  <Unsigned Value="02" />
</Structure>
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF010EFF" />
  <Unsigned Value="02" />
</Structure>
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF010FFF" />
  <Unsigned Value="02" />
</Structure>
</Structure>
</Array>
</Data>

```

 Test Case 10 : 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-MAY-2016 00:00:00, latest date: 02-NOV-2017 00:00:00
  Middle date: 02-FEB-2017 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>
  <Structure Qty="0004" >
    <LongUnsigned Value="0003" />
    <OctetString Value="0100020802FF" />
    <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="00000011" />
  </Data>
(8) .profile_entries PASSED
  <Data>
    <DoubleLongUnsigned Value="0000002E" />
  </Data>
*****
Test Case 11 : Ext.M - M-Bus Setup LGZ G350, 52 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="" />
      <OctetString Value="" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="" />
      <OctetString Value="" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="" />
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    <Structure Qty="0002" >
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    <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="93" />
  </Data>
(15) .status PASSED
  <Data>
    <Unsigned Value="20" />
  </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>
    </Array>
  </Data>

```

```

        </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>
(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="A1" />
    </Data>
(27) .status PASSED
    <Data>
        <Unsigned Value="20" />
    </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="" />
            </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>
(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="9F" />
  </Data>
(39) .status PASSED
  <Data>
    <Unsigned Value="20" />
  </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>
    </Array>
  </Data>
  <Structure Qty="0002" >

```

```

        <OctetString Value="" />
        <OctetString Value="" />
    </Structure>
</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="E4" />
    </Data>
(51) .status PASSED
    <Data>
        <Unsigned Value="20" />
    </Data>
(52) .alarm PASSED
    <Data>
        <Unsigned Value="00" />
    </Data>

```

 Test Case 12 : Ext.M - M-Bus Results uncorrected Vol. & valve status, 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="00000BA1" />
    </Data>
(3) .scaler_unit PASSED
    <Data>
        <Structure Qty="0002" >
            <Integer Value="FD" />
            <Enum Value="0D" />
        </Structure>
    </Data>
(4) .status PASSED
    <Data>
        <Unsigned Value="20" />
    </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>

```



```

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="000005DD" />
    </Data>
(27) .scaler_unit PASSED
    <Data>
    <Structure Qty="0002" >
    <Integer Value="FD" />
    <Enum Value="0D" />
    </Structure>
    </Data>
(28) .status PASSED
    <Data>
    <Unsigned Value="20" />
    </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="01" />
    </Data>

*****
Test Case 13 : Ext.M - M-Bus Devices 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" />

```

(10) .value	PASSED
<pre> </Data> <Data> <OctetString Value="00" /> </Data> Mngmt Get M-Bus Device ID 2 channel 2 0-2:96.1.1.255 (@1810) (11) .logical_name <Data> <OctetString Value="0002600101FF" /> </Data> (12) .value <Data> <OctetString Value="00" /> </Data> Mngmt Get M-Bus Device ID 2 channel 3 0-3:96.1.1.255 (@1814) (13) .logical_name <Data> <OctetString Value="0003600101FF" /> </Data> (14) .value <Data> <OctetString Value="00" /> </Data> Mngmt Get M-Bus Device ID 2 channel 4 0-4:96.1.1.255 (@1818) (15) .logical_name <Data> <OctetString Value="0004600101FF" /> </Data> (16) .value <Data> <OctetString Value="00" /> </Data> </pre>	
<pre> ***** Test Case 14 : 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 <Data> <OctetString Value="0001180300FF" /> </Data> (2) .buffer Earliest date: 10-MAY-2016 05:00:00, latest date: 10-MAY-2016 13:00:00 Middle date: 10-MAY-2016 09:00:00 (3) .capture_objects <Data> <Array Qty="000A" > <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> <Structure Qty="0004" > <LongUnsigned Value="0004" /> <OctetString Value="0001180205FF" /> <Integer Value="02" /> <LongUnsigned Value="0000" /> </Structure> </Array> </Data> </pre>	

```

    <Integer Value="02" />
    <LongUnsigned Value="0000" />
  </Structure>
</Array>
<Structure Qty="0004" >
  <LongUnsigned Value="0004" />
  <OctetString Value="0001180206FF" />
  <Integer Value="02" />
  <LongUnsigned Value="0000" />
</Structure>
<Structure Qty="0004" >
  <LongUnsigned Value="0004" />
  <OctetString Value="0001180207FF" />
  <Integer Value="02" />
  <LongUnsigned Value="0000" />
</Structure>
<Structure Qty="0004" >
  <LongUnsigned Value="0004" />
  <OctetString Value="0001180208FF" />
  <Integer Value="02" />
  <LongUnsigned Value="0000" />
</Structure>
</Array>
</Data>
(4) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000E10" />
  </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="00000009" />
  </Data>
(8) .profile_entries PASSED
  <Data>
    <DoubleLongUnsigned Value="000000F0" />
  </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: 10-MAY-2016 05:00:00, latest date: 10-MAY-2016 13:00:00
  Middle date: 10-MAY-2016 09:00:00
(11) .capture_objects PASSED
  <Data>
    <Array Qty="000A" >
      <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>
    </Array>
  </Data>

```



```

<Structure Qty="0004" >
  <LongUnsigned Value="0004" />
  <OctetString Value="0002180204FF" />
  <Integer Value="02" />
  <LongUnsigned Value="0000" />
</Structure>
<Structure Qty="0004" >
  <LongUnsigned Value="0004" />
  <OctetString Value="0002180205FF" />
  <Integer Value="02" />
  <LongUnsigned Value="0000" />
</Structure>
<Structure Qty="0004" >
  <LongUnsigned Value="0004" />
  <OctetString Value="0002180206FF" />
  <Integer Value="02" />
  <LongUnsigned Value="0000" />
</Structure>
<Structure Qty="0004" >
  <LongUnsigned Value="0004" />
  <OctetString Value="0002180207FF" />
  <Integer Value="02" />
  <LongUnsigned Value="0000" />
</Structure>
<Structure Qty="0004" >
  <LongUnsigned Value="0004" />
  <OctetString Value="0002180208FF" />
  <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="00000009" />
  </Data>
(16) .profile_entries PASSED
  <Data>
    <DoubleLongUnsigned Value="000000F0" />
  </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: 10-MAY-2016 05:00:00, latest date: 10-MAY-2016 13:00:00
  Middle date: 10-MAY-2016 09:00:00
(19) .capture_objects PASSED
  <Data>
    <Array Qty="000A" >
      <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" />
      </Structure>
    </Array>
  </Data>

```

```

    <Integer Value="02" />
    <LongUnsigned Value="0000" />
  </Structure>
</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>
<Structure Qty="0004" >
  <LongUnsigned Value="0004" />
  <OctetString Value="0003180205FF" />
  <Integer Value="02" />
  <LongUnsigned Value="0000" />
</Structure>
<Structure Qty="0004" >
  <LongUnsigned Value="0004" />
  <OctetString Value="0003180206FF" />
  <Integer Value="02" />
  <LongUnsigned Value="0000" />
</Structure>
<Structure Qty="0004" >
  <LongUnsigned Value="0004" />
  <OctetString Value="0003180207FF" />
  <Integer Value="02" />
  <LongUnsigned Value="0000" />
</Structure>
<Structure Qty="0004" >
  <LongUnsigned Value="0004" />
  <OctetString Value="0003180208FF" />
  <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="00000009" />
  </Data>
(24) .profile_entries PASSED
  <Data>
    <DoubleLongUnsigned Value="000000F0" />
  </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: 10-MAY-2016 05:00:00, latest date: 10-MAY-2016 13:00:00
  Middle date: 10-MAY-2016 09:00:00
(27) .capture_objects PASSED
  <Data>
    <Array Qty="000A" >
      <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>
    </Array>
  </Data>

```

```

<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>
<Structure Qty="0004" >
  <LongUnsigned Value="0004" />
  <OctetString Value="0004180205FF" />
  <Integer Value="02" />
  <LongUnsigned Value="0000" />
</Structure>
<Structure Qty="0004" >
  <LongUnsigned Value="0004" />
  <OctetString Value="0004180206FF" />
  <Integer Value="02" />
  <LongUnsigned Value="0000" />
</Structure>
<Structure Qty="0004" >
  <LongUnsigned Value="0004" />
  <OctetString Value="0004180207FF" />
  <Integer Value="02" />
  <LongUnsigned Value="0000" />
</Structure>
<Structure Qty="0004" >
  <LongUnsigned Value="0004" />
  <OctetString Value="0004180208FF" />
  <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="00000009" />
  </Data>
(32) .profile_entries PASSED
  <Data>
    <DoubleLongUnsigned Value="000000F0" />
  </Data>

*****
Test Case 15 : Ext.M - M-Bus Control logs, 40 item(s)
*****

Mngmt Get M-Bus Master Control log object 1 0-1:24.5.0.255 (@1941)
(1) .logical_name PASSED
  <Data>
    <OctetString Value="0001180500FF" />
  </Data>
(2) .buffer PASSED
  Earliest date: 10-MAY-2016 04:03:08, latest date: 10-MAY-2016 12:09:55
  Middle date: 10-MAY-2016 12:09:45
(3) .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="0001600B04FF" />
        <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="00000006" />
  </Data>
(8) .profile_entries PASSED
  <Data>
    <DoubleLongUnsigned Value="00000024" />
  </Data>
Mngmt Get M-Bus Master Control log object 2 0-2:24.5.0.255 (@1952)
(9) .logical_name PASSED
  <Data>
    <OctetString Value="0002180500FF" />
  </Data>
(10) .buffer PASSED
  Earliest date: 10-MAY-2016 04:03:23, latest date: 10-MAY-2016 12:10:14
  Middle date: 10-MAY-2016 12:10:04
(11) .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>
(12) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000000" />
  </Data>
(13) .sort_method PASSED
  <Data>
    <Enum Value="01" />
  </Data>
(14) .sort_object PASSED
  <Data>
    <Structure Qty="0004" >
      <LongUnsigned Value="0000" />
      <OctetString Value="000000000000" />
      <Integer Value="00" />
      <LongUnsigned Value="0000" />
    </Structure>
  </Data>
(15) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="00000006" />
  </Data>
(16) .profile_entries PASSED
  <Data>
    <DoubleLongUnsigned Value="00000024" />
  </Data>

```

```

</Data>
Mngmt Get M-Bus Master Control log object 3 0-3:24.5.0.255 (@1963)
(17) .logical_name PASSED
    <Data>
    <OctetString Value="0003180500FF" />
    </Data>
(18) .buffer PASSED
    Earliest date: 21-MAR-2016 16:30:25, latest date: 10-MAY-2016 12:10:33
    Middle date: 22-MAR-2016 12:30:33
(19) .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>
(20) .capture_period PASSED
    <Data>
    <DoubleLongUnsigned Value="00000000" />
    </Data>
(21) .sort_method PASSED
    <Data>
    <Enum Value="01" />
    </Data>
(22) .sort_object PASSED
    <Data>
    <Structure Qty="0004" >
    <LongUnsigned Value="0000" />
    <OctetString Value="000000000000" />
    <Integer Value="00" />
    <LongUnsigned Value="0000" />
    </Structure>
    </Data>
(23) .entries_in_use PASSED
    <Data>
    <DoubleLongUnsigned Value="00000015" />
    </Data>
(24) .profile_entries PASSED
    <Data>
    <DoubleLongUnsigned Value="00000024" />
    </Data>
Mngmt Get M-Bus Master Control log object 4 0-4:24.5.0.255 (@1974)
(25) .logical_name PASSED
    <Data>
    <OctetString Value="0004180500FF" />
    </Data>
(26) .buffer PASSED
    Earliest date: 21-MAR-2016 16:30:26, latest date: 10-MAY-2016 12:10:52
    Middle date: 22-MAR-2016 12:30:52
(27) .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>
(28) .capture_period PASSED
    <Data>
    <DoubleLongUnsigned Value="00000000" />
    </Data>
(29) .sort_method PASSED
    <Data>
    <Enum Value="01" />
    </Data>
(30) .sort_object PASSED
    <Data>
    <Structure Qty="0004" >
    <LongUnsigned Value="0000" />

```

```

    <OctetString Value="000000000000" />
    <Integer Value="00" />
    <LongUnsigned Value="0000" />
  </Structure>
</Data>
(31) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="00000015" />
  </Data>
(32) .profile_entries PASSED
  <Data>
    <DoubleLongUnsigned Value="00000024" />
  </Data>

Mngmt Get M-Bus Event Log 0-0:99.98.3.255 (@1989)
(33) .logical_name PASSED
  <Data>
    <OctetString Value="0000636203FF" />
  </Data>
(34) .buffer PASSED
  Earliest date: 30-APR-2016 09:42:30, latest date: 29-OCT-2017 02:29:50
  Middle date: 29-OCT-2017 01:44:50
(35) .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>
(36) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000000" />
  </Data>
(37) .sort_method PASSED
  <Data>
    <Enum Value="01" />
  </Data>
(38) .sort_object PASSED
  <Data>
    <Structure Qty="0004" >
      <LongUnsigned Value="0000" />
      <OctetString Value="000000000000" />
      <Integer Value="00" />
      <LongUnsigned Value="0000" />
    </Structure>
  </Data>
(39) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="00000048" />
  </Data>
(40) .profile_entries PASSED
  <Data>
    <DoubleLongUnsigned Value="00000048" />
  </Data>

*****
Test Case 16 : Consumer Information Interface, 13 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="0004" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0000600100FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0000600D00FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0000600D01FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>

(6) .send_destination_and_method PASSED
  <Data>
    <Structure Qty="0003" >
      <Enum Value="05" />
      <OctetString Value="0001160000FF" />
      <Enum Value="00" />
    </Structure>
  </Data>

(7) .communication_window PASSED
  <Data>
    <Array Qty="0000" >
  </Array>
</Data>

(8) .randomisation_start_interval PASSED
  <Data>
    <LongUnsigned Value="0000" />
  </Data>

(9) .number_of_retries PASSED
  <Data>
    <Unsigned Value="00" />
  </Data>

(10) .repetition_delay PASSED
  <Data>
    <LongUnsigned Value="0000" />
  </Data>

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

(12) .security_policy PASSED
  <Data>
    <Enum Value="03" />
  </Data>

(13) .security_suite PASSED
  <Data>
    <Enum Value="00" />
  </Data>

```

```

*****
Test Case 17 : 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 18 : FIT Miscellaneous, 4 item(s)
*****
(1) Disconnecter Script Table PASSED
(2) Load profile with period 1 DST ambiguity PASSED
(3) Load profile power down withing one period PASSED
(4) Load profile power down over two periods PASSED

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

//*****
// * CTI LGZ E450_ZCXi3x0CP_XXXXXX-XXS4 *
// *
// * Conformance #6 *
// * 2013-11-04 *
// *
//*****

// Conformance Test Information (CTI) Template
// 1.6

// Mandatory 'Manufacturer' structure
// *****
Manufacturer = {
    // Keep the leading '\' to denote a visible-string.
    // The manufacturer's FLAG id is a part of the DUT system title

    Name = '\Landis + Gyr'
    ThreeLettersId = '\LGZ'
}

// Mandatory 'DeviceUnderTest' structure
// *****
DeviceUnderTest = {
    Type = '\LGZ E450_ZCXi3x0xP..S4'

    // IDISDeviceType it is part of the DUT system title.
    // Package 1 single phase = 100
    // Package 1 poly phase = 101
    // Package 2 single phase = 102
    // Package 2 poly phase = 103

    IDISDeviceType = 102

    // IDISFunctionType indicates the extension(s) supported by the DUT,
    // it is also a part of the DUT system title.
    // It is a set (possibly empty) of elements [Extension_D, Extension_L, Extension_M]

    IDISFunctionType = [Extension_D, Extension_L, Extension_M]

    // The serial number of the DUT is part of its system title.
    SerialNr = 17431108

    // (Optional) IPVersion indicates what IP related objects of the OM are tested.
    IPVersion = IPv6

    // (Optional) DataLinkLayer indicates what DL related objects of the OM are tested.
    DataLinkLayer = G3

    // (Optional) ConsumerInformationPush indicates that the related feature is implemented.
    ConsumerInformationPush = TRUE

    EUI64Address = "000F93FFFE431108"
}

// Optional 'TestOptions'
TestOptions = {
    DUTTelNr = '\+41419536544'
    DUTIPAddress = '\10.0.0.0'
}

// Mandatory 'ObjectMode' structure
// *****
// It defines the variant of the object model that the ICTT uses for testing.
ObjectModel = {
    // Optional objects implemented
    OptionalObjects = '\
+ '1-0:0.9.1.255|1,' // Local Time (@86)
+ '1-0:0.9.2.255|1,' // Local Date (@90)
+ '0-2:96.3.10.255|70,' // Load Mgmt - Relay control 2 (@205)
+ '1-0:9.8.0.255|3,' // Apparent energy import (+VA) (QI+QIV) (@406)
+ '1-0:10.8.0.255|3,' // Apparent energy export (-VA) (QII+QIII) (@412)

```



```

+ '1-0:5.8.1.255|3,' // Reactive energy (QI) rate 1 (@515)
+ '1-0:5.8.2.255|3,' // Reactive energy (QI) rate 2 (@521)
+ '1-0:5.8.3.255|3,' // Reactive energy (QI) rate 3 (@527)
+ '1-0:5.8.4.255|3,' // Reactive energy (QI) rate 4 (@533)
+ '1-0:6.8.1.255|3,' // Reactive energy (QII) rate 1 (@539)
+ '1-0:6.8.2.255|3,' // Reactive energy (QII) rate 2 (@545)
+ '1-0:6.8.3.255|3,' // Reactive energy (QII) rate 3 (@551)
+ '1-0:6.8.4.255|3,' // Reactive energy (QII) rate 4 (@557)
+ '1-0:7.8.1.255|3,' // Reactive energy (QIII) rate 1 (@563)
+ '1-0:7.8.2.255|3,' // Reactive energy (QIII) rate 2 (@569)
+ '1-0:7.8.3.255|3,' // Reactive energy (QIII) rate 3 (@575)
+ '1-0:7.8.4.255|3,' // Reactive energy (QIII) rate 4 (@581)
+ '1-0:8.8.1.255|3,' // Reactive energy (QIV) rate 1 (@587)
+ '1-0:8.8.2.255|3,' // Reactive energy (QIV) rate 2 (@593)
+ '1-0:8.8.3.255|3,' // Reactive energy (QIV) rate 3 (@599)
+ '1-0:8.8.4.255|3,' // Reactive energy (QIV) rate 4 (@605)
+ '1-0:9.4.0.255|5,' // Demand Register 5 - Apparent energy import (+VA) (@736)
+ '1-0:10.4.0.255|5,' // Demand Register 6 - Apparent energy export (-VA) (@749)
+ '1-0:14.7.0.255|3,' // Instantaneous net frequency; any phase (@1359)
+ '1-0:9.7.0.255|3,' // Instantaneous apparent import power (+VA) (@1395)
+ '1-0:16.24.0.255|5,' // Average Net Power (|+A|-|-A|) (@1420)
+ '1-0:13.7.0.255|3,' // Instantaneous Power factor (+A/+VA) (@1446)
+ '1-0:13.5.0.255|4,' // Last Average Power factor (+A/+VA) (@1452)
+ '1-0:13.3.0.255|4,' // Minimum Power factor (+A/+VA) (@1460)
+ '1-0:0.8.2.255|3,' // Measurement Period 3 for Instantaneous values (@1468)
+ '0-1:24.6.0.255|74,' // M-Bus master port setup 2 (@1479)

```

```

InstanceExtraInfo = {
  // MBus Client (@1574)
  LogicalName = '0-1:24.1.0.255'
  ClassId = 72
  Version = 1
}
InstanceExtraInfo = {
  // MBus Client (@1596)
  LogicalName = '0-2:24.1.0.255'
  ClassId = 72
  Version = 1
}
InstanceExtraInfo = {
  // MBus Client (@1618)
  LogicalName = '0-3:24.1.0.255'
  ClassId = 72
  Version = 1
}
InstanceExtraInfo = {
  // MBus Client (@1640)
  LogicalName = '0-4:24.1.0.255'
  ClassId = 72
  Version = 1
}
InstanceExtraInfo = {
  // Tariffication script table (@129)
  LogicalName = '0-0:10.0.100.255'
  ClassId = 9
  MethodExtraInfo = {
    // execute
    MethodId = 1
    AccessRights = [ACTION]
  }
}
InstanceExtraInfo = {
  // Disconnector Control Log (@181)
  LogicalName = '0-0:99.98.2.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}
InstanceExtraInfo = {
  // Load Mgmt - Relay control 1 (@197)
  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 (@213)
    LogicalName = '0-0:17.0.0.255'
    ClassId = 71
    AttributeExtraInfo = {
        // actions
        AttributeId = 11
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Standard Event Log (@261)
    LogicalName = '0-0:99.98.0.255'
    ClassId = 7
    AttributeExtraInfo = {
        // capture_objects
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Fraud Detection Log (@276)
    LogicalName = '0-0:99.98.1.255'
    ClassId = 7
    AttributeExtraInfo = {
        // capture_objects
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Power Failure Event Log (@1234)
    LogicalName = '1-0:99.97.0.255'
    ClassId = 7
    AttributeExtraInfo = {
        // capture_objects
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Power Quality Log (@1249)
    LogicalName = '0-0:99.98.4.255'
    ClassId = 7
    AttributeExtraInfo = {
        // capture_objects
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Communication Log (@331)
    LogicalName = '0-0:99.98.5.255'
    ClassId = 7
    AttributeExtraInfo = {
        // capture_objects
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

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 = {
  // G3-PLC MAC Setup (@2217)
  LogicalName = '0-0:29.1.0.255'
  ClassId = 91
  AttributeExtraInfo = {
    // mac_key_table
    AttributeId = 5
    SetData = '<Data>'
+ '   <Array Qty="01" >'
+ '     <Structure Qty="02" >'
+ '       <Unsigned Value="00" />'
+ '       <OctetString Value="112233445566778899AABBCCDDEEFF" />'
+ '     </Structure>'
+ '   </Array>'
+ ' </Data>'
  }
}

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>'
  }
}

InstanceExtraInfo = {
  // Set value for Error register value
  LogicalName = '0-0:97.97.0.255'
  ClassId = 1
  AttributeExtraInfo = {
    AttributeId = 2
    SetData = '<Data><DoubleLongUnsigned Value="00000000" /></Data>'
  }
}

InstanceExtraInfo = {
  // Set value for Autoconnect (@2175)
  LogicalName = '0-0:2.1.0.255'
  ClassId = 29
  AttributeExtraInfo = {
    // destination_list
    AttributeId = 6
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Push script table
  LogicalName = '0-0:10.0.108.255'
  ClassId = 9
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 2
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Push action scheduler - Interval_1
  LogicalName = '0-1:15.0.4.255'
  ClassId = 22
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 2
  }
}

```

```

        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Push action scheduler - Interval_2
    LogicalName = '0-2:15.0.4.255'
    ClassId = 22
    AttributeExtraInfo = {
        // capture_objects
        AttributeId = 2
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Push action scheduler - Interval_3
    LogicalName = '0-3:15.0.4.255'
    ClassId = 22
    AttributeExtraInfo = {
        // capture_objects
        AttributeId = 2
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Push action scheduler - Interval_3
    LogicalName = '0-4:15.0.4.255'
    ClassId = 22
    AttributeExtraInfo = {
        // capture_objects
        AttributeId = 2
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Set clock to 05/11/2013 12:29:52
    LogicalName = '0-0:1.0.0.255'
    ClassId = 8
    // Time_data
    AttributeExtraInfo = {
        AttributeId = 2
        SetData = '\<Data><OctetString Value="07E0050A020D1627FF8000FF" /></Data>'
    }
}

InstanceExtraInfo = {
    // Set special days to 30 entries
    LogicalName = '0-0:11.0.0.255'
    ClassId = 11
    AttributeExtraInfo = {
        AttributeId = 2
        SetData = '\<Data>
+   <Array Qty="0F" >'
+   <Structure Qty="03" >'
+   <LongUnsigned Value="0001" />'
+   <OctetString Value="FFFF0201FF" />'
+   <Unsigned Value="02" />'
+   </Structure>'
+   <Structure Qty="03" >'
+   <LongUnsigned Value="0001" />'
+   <OctetString Value="FFFF0102FF" />'
+   <Unsigned Value="02" />'
+   </Structure>'
+   <Structure Qty="03" >'
+   <LongUnsigned Value="0001" />'
+   <OctetString Value="FFFF0103FF" />'
+   <Unsigned Value="02" />'
+   </Structure>'
+   <Structure Qty="03" >'
+   <LongUnsigned Value="0001" />'
+   <OctetString Value="FFFF0104FF" />'
+   <Unsigned Value="02" />'
+   </Structure>'
+   <Structure Qty="03" >'
+   <LongUnsigned Value="0001" />'
+   <OctetString Value="FFFF0105FF" />'
+   <Unsigned Value="02" />'
+   </Structure>'
+   <Structure Qty="03" >'
+   <LongUnsigned Value="0001" />'
+   <OctetString Value="FFFF0106FF" />'
+   <Unsigned Value="02" />'
+   </Structure>'
+   <Structure Qty="03" >'
+   <LongUnsigned Value="0001" />'
+   <OctetString Value="FFFF0107FF" />'
+   <Unsigned Value="02" />'
+   </Structure>'
+   </Array>'
    }
}

```

```

+ '      </Structure>'
+ '      <Structure Qty="03" >'
+ '        <LongUnsigned Value="0001" />'
+ '        <OctetString Value="FFFF0108FF" />'
+ '        <Unsigned Value="02" />'
+ '      </Structure>'
+ '      <Structure Qty="03" >'
+ '        <LongUnsigned Value="0001" />'
+ '        <OctetString Value="FFFF0109FF" />'
+ '        <Unsigned Value="02" />'
+ '      </Structure>'
+ '      <Structure Qty="03" >'
+ '        <LongUnsigned Value="0001" />'
+ '        <OctetString Value="FFFF010AFF" />'
+ '        <Unsigned Value="02" />'
+ '      </Structure>'
+ '      <Structure Qty="03" >'
+ '        <LongUnsigned Value="0001" />'
+ '        <OctetString Value="FFFF010BFF" />'
+ '        <Unsigned Value="02" />'
+ '      </Structure>'
+ '      <Structure Qty="03" >'
+ '        <LongUnsigned Value="0001" />'
+ '        <OctetString Value="FFFF010CFF" />'
+ '        <Unsigned Value="02" />'
+ '      </Structure>'
+ '      <Structure Qty="03" >'
+ '        <LongUnsigned Value="0001" />'
+ '        <OctetString Value="FFFF010DFF" />'
+ '        <Unsigned Value="02" />'
+ '      </Structure>'
+ '      <Structure Qty="03" >'
+ '        <LongUnsigned Value="0001" />'
+ '        <OctetString Value="FFFF010EFF" />'
+ '        <Unsigned Value="02" />'
+ '      </Structure>'
+ '      <Structure Qty="03" >'
+ '        <LongUnsigned Value="0001" />'
+ '        <OctetString Value="FFFF010FFF" />'
+ '        <Unsigned Value="02" />'
+ '      </Structure>'
+ '    </Array>'
+ '  </Data>'
+ '  }
} // Object model END

// Mandatory 'TestParameters' structure
// *****
// Defines miscellaneous values used during the test
TestParameters = {

  // Optional delay (in ms) after executing the DisconnectControl (class 70)
  // connect and disconnect actions performed directly or via a script table.
  ConnectDisconnectDelay = 15000

  // Mandatory Client system title
  ClientSystemTitle = '58585A0102030405'

  // Mandatory structure for the ImageTransfer
  ImageTransfer = {
    // Image identifier as passed to the image_transfer_initiate method
    // MFW...
    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 = '\\V91.05.02.29_FixFlex_v1.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 = 450000 //in milliseconds
  }

  PushTimeout = 60000
  MinInterWPDUFramesDelay = 1100

  ProfilePeriodsQty = 10
  CaptureDelay = 15000

  // ClipCallDuration = 20000
  // WakeUpDelay = 30000

  AutoConnect = {
    Repetitions = 2
    RepetitionDelay = 30
  }
}

// Mandatory 'SecurityElements'
// *****

```



```

// RemoteSecurityElements
RemoteSecurityElements = {
  Public = {
    ContextName = LONG_NAMES
    MechanismName = LOWEST_LEVEL_SECURITY
    Policy = NO_SECURITY
  }
  Management = {
    ContextName = LONG_NAMES_WITH_CIPHERING // ( LONG_NAMES_WITH_CIPHERING, LONG_NAMES )
    MechanismName = HIGH_LEVEL_SECURITY_GMAC // ( HIGH_LEVEL_SECURITY_GMAC, LOW_LEVEL_SECURITY )
    Policy = AUTHENTICATION_AND_ENCRYPTION // ( ENCRYPTION, NO_SECURITY, AUTHENTICATION, AUTHENTICATION_AND_ENCRYPTION )
    Password = '\12345678'
  }
  PreEstablished = {
    Policy = AUTHENTICATION_AND_ENCRYPTION // ( NO_SECURITY, ENCRYPTION, AUTHENTICATION, AUTHENTICATION_AND_ENCRYPTION )
    ServerMaxReceivePduSize = 1224
    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_WITH_CIPHERING // ( LONG_NAMES_WITH_CIPHERING, LONG_NAMES )
    MechanismName = HIGH_LEVEL_SECURITY_GMAC // ( HIGH_LEVEL_SECURITY_GMAC, LOW_LEVEL_SECURITY )
    Policy = NO_SECURITY
    Password = '\12345678'
  }
  PreEstablished = {
    Policy = NO_SECURITY // ( NO_SECURITY, ENCRYPTION, AUTHENTICATION, AUTHENTICATION_AND_ENCRYPTION )
    ServerMaxReceivePduSize = 1224
    CipheringStyle = GENERAL
  }
}

// Parameters of the 'Local' HDLC Profile
HDLCProfile = {
  PhysicalLayer = {
    OpeningMode = DIRECT_HDLC
    HdlcBaud = 9600
  }
  DataLinkLayer = {
    InactivityTimeout = 120000
    InterFrameTimeout = 5000
    ResponseTimeout = 10000
    DISCToNDMTimeout = 2000
    AddressingSchemes = [ONE_BYTE_ADDRESSING]
    LastRecToNextSendDelay = 100
  }
}
G3PLCProfile = {
  ResponseTimeout = 30000
  ConnectTimeout = 10000
  UDPPort = 61616
  PSK = "AB10341145111BC3C12DE8FF11142204"
}

// END CTI

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

TestMode:          G3-PLC
Test Plan Signature: D39BADAB813E9B7ECA4C22D84BD5444E
Object Model:      IDIS - object model - V2.24 (20160308) - FIT MBUS Tests G350 (CorrectedAndValve status)-20160308.xlsx
DUT system title:  4C475A667109FA44
Run number:        2

```