

# Final Interoperability Test Report

FIT #: **52**  
 Date: 09.08.2019  
 Location: DNV-GL,Arnhem, Netherlands  
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## APPLICANT

Company: Meter&Control doo

Address: Tršćanska 21, 11080 Zemun, Serbia

DEVICE		
Device type	<b>ST401D</b>	
<i>Type indication on MID certificate</i>		<i>MID Certificate No.</i>
ST40x		£(£-7/0-01-4344-2011
<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	353	BFC18D5882976F2087BC007B67CDC246
<i>First certification</i>	<i>IDIS Label</i>	<i>Modular device</i>
<input checked="" type="checkbox"/>	0052	<input type="checkbox"/>
<i>General information about the device</i>		

FIRMWARE VERSIONS TESTED				<i>Final Interoperability Test No. 52</i>
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	Verdict
1	\V010313	\V010508	\V000200	Passed

Honeywell

Iskraemeco d.d.

Itron

Landis+Gyr AG

Fit #02

Device: DTS27, Type:STZ351

DNV-GL, Arnhem, Netherlands, 09.08.2019

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FIRMWARE VERSIONS HISTORY				<i>Final Integration Test</i>	
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	No.	Verdict
1	\V010313	\V010508	\V000200	52	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 Miscellaneous	Passed	
Optical Port Connectivity	Passed	
Consumer Information Interface	Passed	
<b>FIT Conformance Test Report</b>		
<pre> ***** IDIS Conformance test report 31-JUL-2019 14:07:09 iCTT2 Package 2, Edition 2.0, Revision 1 (134) Licensed to: KEMA-IDIS Cert. Tester: Tom Levels *****  ***** * Identification * *****  Manufacturer = {   Name = '\Meter&amp;Control d.o.o.'   ThreeLettersId = '\MAC' } DeviceUnderTest = {   Type = '\ST401D'   IDISDeviceType = 103   IDISFunctionType = [EXTENSION_D, EXTENSION_L, EXTENSION_M]   SerialNr = 193954   IPVersion = IPV6   DataLinkLayer = G3   ConsumerInformationPush = TRUE   EUI64Address = '020000FFFE02F5A2'   SMSSupported = FALSE   ClipCallSupported = FALSE }  Active firmware identifier (1-0:0.2.0.255) = \V010313 Active firmware identifier 1 (1-1:0.2.0.255) = \V010508 Active firmware identifier 2 (1-2:0.2.0.255) = \V000200  ***** * Summary * *****  PASSED                270 FAILED                0 DISABLED              0 </pre>		

INAPPLICABLE	3	
INCONCLUSIVE	0	
FATAL	0	
TOTAL	273	
*****		
Test Case 1 : Connect and release, 4 item(s)		
*****		
(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="\193954" />		
</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="\M&C" />		
</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="\M&C" />		
</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="\M&C" />		
</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="\M&C" />		
</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

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    <Data>
      <OctetString Value="" />
    </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="\MAC1030700193954" />
    </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="\MAC1030700193954" />
        </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="\V010313" />
    </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="\2AB50B4B" />
    </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="\V010508" />
    </Data>

Mngmt Get Active firmware signature 1 1-1:0.2.8.255 (@424)
(7) .logical_name PASSED

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    <Data>
      <OctetString Value="0101000208FF" />
    </Data>
(8) .value PASSED
    <Data>
      <OctetString Value="\9DCFF13A" />
    </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="\V000200" />
    </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="\85D68F9C" />
    </Data>

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

Pre Set Clock 0-0:1.0.0.255 (@75)
(1) .time PASSED
    <Data>
      <OctetString Value="07E3071F03100000FF8000FF" />
    </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="07E3071F0310000000FF8880" />
    </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="001E" >
        <Structure Qty="0003" >
          <LongUnsigned Value="0001" />
          <OctetString Value="FFFF0101FF" />
          <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" />

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    <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="FFFF0201FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0202FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0203FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0204FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0205FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0206FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0207FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0208FF" />
    <Unsigned Value="02" />
  </Structure>

```

```

<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0209FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF020AFF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0301FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0302FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0303FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0304FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0305FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0306FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0307FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0308FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0309FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <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

```

<Data>
  <Array Qty="001E" >
    <Structure Qty="0003" >
      <LongUnsigned Value="0001" />

```

PASSED



```

    <OctetString Value="FFFF0101FF" />
    <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="FFFF0201FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0202FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0203FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0204FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0205FF" />
    <Unsigned Value="02" />
  </Structure>

```

```

<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0206FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0207FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0208FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0209FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF020AFF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0301FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0302FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0303FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0304FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0305FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0306FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0307FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0308FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0309FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF030AFF" />
  <Unsigned Value="02" />
</Structure>

```

```

        <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: 31-JUL-2019 06:46:16, latest date: 31-JUL-2019 06:46:51
    Middle date: 31-JUL-2019 06:46:49
(3) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="00000006" />
    </Data>
(4) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="000000B2" />
    </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: 31-JUL-2019 04:00:05, latest date: 31-JUL-2019 16:00:02
    Middle date: 31-JUL-2019 05:00:36
(7) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="00000029" />
    </Data>
(8) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="000000E3" />
    </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: 31-JUL-2019 06:46:16, latest date: 31-JUL-2019 13:57:18
    Middle date: 31-JUL-2019 06:46:49
(11) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="00000007" />
    </Data>
(12) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="000000E3" />
    </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: 31-JUL-2019 06:46:16, latest date: 31-JUL-2019 13:59:52
    Middle date: 31-JUL-2019 06:46:50
(15) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="0000000B" />
    </Data>
(16) .profile_entries PASSED

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```

    <Data>
      <DoubleLongUnsigned Value="000000E3" />
    </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: 31-JUL-2019 06:47:42, latest date: 31-JUL-2019 06:49:33
    Middle date: 31-JUL-2019 06:48:34
(19) .entries_in_use PASSED
    <Data>
      <DoubleLongUnsigned Value="00000005" />
    </Data>
(20) .profile_entries PASSED
    <Data>
      <DoubleLongUnsigned Value="000000E3" />
    </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: 26-FEB-2019 06:46:00, latest date: 31-JUL-2019 14:05:28
    Middle date: 31-JUL-2019 07:00:06
(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

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```

        <Data>
          <Enum Value="01" />
        </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="00000010" />
        </Data>
(8) .profile_entries PASSED
        <Data>
          <DoubleLongUnsigned Value="00000051" />
        </Data>

*****
Test Case 12 : 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
INAPPLICABLE
Optional object is not implemented
(4) .comm_speed
INAPPLICABLE
Optional object is not implemented

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="0002" >
            <Structure Qty="0002" >
              <OctetString Value="\L" />
              <OctetString Value="933A" />
            </Structure>
            <Structure Qty="0002" >
              <OctetString Value="8940" />
              <OctetString Value="FD1A" />
            </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="0A" /> </Data>	
(15)	.status	PASSED
	<Data> <Unsigned Value="00" /> </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="0002" > <Structure Qty="0002" > <OctetString Value="\L" /> <OctetString Value="933A" /> </Structure> <Structure Qty="0002" > <OctetString Value="8940" /> <OctetString Value="FD1A" /> </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 <Data> <Unsigned Value="00" /> </Data>	PASSED
(27)	.status <Data> <Unsigned Value="00" /> </Data>	PASSED
(28)	.alarm <Data> <Unsigned Value="00" /> </Data>	PASSED
Mngmt Get M-Bus client channel 3 0-3:24.1.0.255 (@1618)		
(29)	.logical_name <Data> <OctetString Value="0003180100FF" /> </Data>	PASSED
(30)	.mbus_port_reference <Data> <OctetString Value="0000180600FF" /> </Data>	PASSED
(31)	.capture_definition <Data> <Array Qty="0002" > <Structure Qty="0002" > <OctetString Value="\L" /> <OctetString Value="933A" /> </Structure> <Structure Qty="0002" > <OctetString Value="8940" /> <OctetString Value="FD1A" /> </Structure> </Array> </Data>	PASSED
(32)	.capture_period <Data> <DoubleLongUnsigned Value="00000E10" /> </Data>	PASSED
(33)	.primary_address <Data> <Unsigned Value="03" /> </Data>	PASSED
(34)	.identification_number <Data> <DoubleLongUnsigned Value="00047BB4" /> </Data>	PASSED
(35)	.manufacturer_id <Data> <LongUnsigned Value="19AC" /> </Data>	PASSED
(36)	.version <Data> <Unsigned Value="02" /> </Data>	PASSED
(37)	.device_type <Data> <Unsigned Value="03" /> </Data>	PASSED
(38)	.access_number <Data> <Unsigned Value="F8" /> </Data>	PASSED
(39)	.status <Data> <Unsigned Value="00" /> </Data>	PASSED
(40)	.alarm <Data> <Unsigned Value="00" /> </Data>	PASSED

```

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="0002" >
        <Structure Qty="0002" >
          <OctetString Value="\L" />
          <OctetString Value="933A" />
        </Structure>
        <Structure Qty="0002" >
          <OctetString Value="8940" />
          <OctetString Value="FD1A" />
        </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="30" />
    </Data>
(51) .status PASSED
    <Data>
      <Unsigned Value="00" />
    </Data>
(52) .alarm PASSED
    <Data>
      <Unsigned Value="00" />
    </Data>

```

```

*****
Test Case 13 : Ext. M - M-Bus Results uncorrected Vol. & valve, 40 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="00000DD2" />
    </Data>

```



(3) .scaler_unit	PASSED
<pre> &lt;Data&gt;   &lt;Structure Qty="0002" &gt;     &lt;Integer Value="FD" /&gt;     &lt;Enum Value="0D" /&gt;   &lt;/Structure&gt; &lt;/Data&gt; </pre>	
(4) .status	PASSED
<pre> &lt;Data&gt;   &lt;Unsigned Value="00" /&gt; &lt;/Data&gt; </pre>	
(5) .capture_time	PASSED
<pre> &lt;Data&gt;   &lt;OctetString Value="07E3071F030D3B2900800080" /&gt; &lt;/Data&gt; </pre>	
Mngmt Get M-Bus Value channel 1, instance 2 0-1:24.2.2.255 (@1670)	
(6) .logical_name	PASSED
<pre> &lt;Data&gt;   &lt;OctetString Value="0001180202FF" /&gt; &lt;/Data&gt; </pre>	
(7) .value	PASSED
<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="00000001" /&gt; &lt;/Data&gt; </pre>	
(8) .scaler_unit	PASSED
<pre> &lt;Data&gt;   &lt;Structure Qty="0002" &gt;     &lt;Integer Value="00" /&gt;     &lt;Enum Value="FF" /&gt;   &lt;/Structure&gt; &lt;/Data&gt; </pre>	
(9) .status	PASSED
<pre> &lt;Data&gt;   &lt;Unsigned Value="00" /&gt; &lt;/Data&gt; </pre>	
(10) .capture_time	PASSED
<pre> &lt;Data&gt;   &lt;OctetString Value="07E3071F030D3B2900800080" /&gt; &lt;/Data&gt; </pre>	
Mngmt Get M-Bus Value channel 2, instance 1 0-2:24.2.1.255 (@1694)	
(11) .logical_name	PASSED
<pre> &lt;Data&gt;   &lt;OctetString Value="0002180201FF" /&gt; &lt;/Data&gt; </pre>	
(12) .value	PASSED
<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="00000A0C" /&gt; &lt;/Data&gt; </pre>	
(13) .scaler_unit	PASSED
<pre> &lt;Data&gt;   &lt;Structure Qty="0002" &gt;     &lt;Integer Value="FD" /&gt;     &lt;Enum Value="0D" /&gt;   &lt;/Structure&gt; &lt;/Data&gt; </pre>	
(14) .status	PASSED
<pre> &lt;Data&gt;   &lt;Unsigned Value="00" /&gt; &lt;/Data&gt; </pre>	
(15) .capture_time	PASSED
<pre> &lt;Data&gt;   &lt;OctetString Value="07E3071F030D3B2E00800080" /&gt; &lt;/Data&gt; </pre>	
Mngmt Get M-Bus Value channel 2, instance 2 0-2:24.2.2.255 (@1702)	
(16) .logical_name	PASSED
<pre> &lt;Data&gt;   &lt;OctetString Value="0002180202FF" /&gt; &lt;/Data&gt; </pre>	
(17) .value	PASSED
<pre> &lt;Data&gt; </pre>	

	<DoubleLongUnsigned Value="00000001" />	
	</Data>	
(18)	.scaler_unit	PASSED
	<Data>	
	<Structure Qty="0002" >	
	<Integer Value="00" />	
	<Enum Value="FF" />	
	</Structure>	
	</Data>	
(19)	.status	PASSED
	<Data>	
	<Unsigned Value="00" />	
	</Data>	
(20)	.capture_time	PASSED
	<Data>	
	<OctetString Value="07E3071F030D3B2E00800080" />	
	</Data>	
	Mngmt Get M-Bus Value channel 3, instance 1 0-3:24.2.1.255 (@1726)	
(21)	.logical_name	PASSED
	<Data>	
	<OctetString Value="0003180201FF" />	
	</Data>	
(22)	.value	PASSED
	<Data>	
	<DoubleLongUnsigned Value="00000D1B" />	
	</Data>	
(23)	.scaler_unit	PASSED
	<Data>	
	<Structure Qty="0002" >	
	<Integer Value="FD" />	
	<Enum Value="0D" />	
	</Structure>	
	</Data>	
(24)	.status	PASSED
	<Data>	
	<Unsigned Value="00" />	
	</Data>	
(25)	.capture_time	PASSED
	<Data>	
	<OctetString Value="07E3071F030D3B3300800080" />	
	</Data>	
	Mngmt Get M-Bus Value channel 3, instance 2 0-3:24.2.2.255 (@1734)	
(26)	.logical_name	PASSED
	<Data>	
	<OctetString Value="0003180202FF" />	
	</Data>	
(27)	.value	PASSED
	<Data>	
	<DoubleLongUnsigned Value="00000001" />	
	</Data>	
(28)	.scaler_unit	PASSED
	<Data>	
	<Structure Qty="0002" >	
	<Integer Value="00" />	
	<Enum Value="FF" />	
	</Structure>	
	</Data>	
(29)	.status	PASSED
	<Data>	
	<Unsigned Value="00" />	
	</Data>	
(30)	.capture_time	PASSED
	<Data>	
	<OctetString Value="07E3071F030D3B3300800080" />	
	</Data>	
	Mngmt Get M-Bus Value channel 4, instance 1 0-4:24.2.1.255 (@1758)	
(31)	.logical_name	PASSED
	<Data>	
	<OctetString Value="0004180201FF" />	
	</Data>	

(32)	.value	PASSED
	<Data>	
	<DoubleLongUnsigned Value="00000985" />	
	</Data>	
(33)	.scaler_unit	PASSED
	<Data>	
	<Structure Qty="0002" >	
	<Integer Value="FD" />	
	<Enum Value="0D" />	
	</Structure>	
	</Data>	
(34)	.status	PASSED
	<Data>	
	<Unsigned Value="00" />	
	</Data>	
(35)	.capture_time	PASSED
	<Data>	
	<OctetString Value="07E3071F030D3B3800800080" />	
	</Data>	
Mngmt Get M-Bus Value channel 4, instance 2 0-4:24.2.2.255 (@1766)		
(36)	.logical_name	PASSED
	<Data>	
	<OctetString Value="0004180202FF" />	
	</Data>	
(37)	.value	PASSED
	<Data>	
	<DoubleLongUnsigned Value="00000001" />	
	</Data>	
(38)	.scaler_unit	PASSED
	<Data>	
	<Structure Qty="0002" >	
	<Integer Value="00" />	
	<Enum Value="FF" />	
	</Structure>	
	</Data>	
(39)	.status	PASSED
	<Data>	
	<Unsigned Value="00" />	
	</Data>	
(40)	.capture_time	PASSED
	<Data>	
	<OctetString Value="07E3071F030D3B3800800080" />	
	</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="0030303030303534303032393338313031" />	
	</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" />	

<pre>         &lt;/Data&gt;     (6) .value         &lt;Data&gt;             &lt;OctetString Value="\00000540029381211" /&gt;         &lt;/Data&gt;     </pre>		PASSED
<pre> Mngmt Get M-Bus Device ID 1 channel 4 0-4:96.1.0.255 (@1802)     (7) .logical_name         &lt;Data&gt;             &lt;OctetString Value="0004600100FF" /&gt;         &lt;/Data&gt;     </pre>		PASSED
<pre>     (8) .value         &lt;Data&gt;             &lt;OctetString Value="\00000540029381111" /&gt;         &lt;/Data&gt;     </pre>		PASSED
<pre> Mngmt Get M-Bus Device ID 2 channel 1 0-1:96.1.1.255 (@1806)     (9) .logical_name         &lt;Data&gt;             &lt;OctetString Value="0001600101FF" /&gt;         &lt;/Data&gt;     </pre>		PASSED
<pre>     (10) .value         &lt;Data&gt;             &lt;OctetString Value="" /&gt;         &lt;/Data&gt;     </pre>		PASSED
<pre> Mngmt Get M-Bus Device ID 2 channel 2 0-2:96.1.1.255 (@1810)     (11) .logical_name         &lt;Data&gt;             &lt;OctetString Value="0002600101FF" /&gt;         &lt;/Data&gt;     </pre>		PASSED
<pre>     (12) .value         &lt;Data&gt;             &lt;OctetString Value="" /&gt;         &lt;/Data&gt;     </pre>		PASSED
<pre> Mngmt Get M-Bus Device ID 2 channel 3 0-3:96.1.1.255 (@1814)     (13) .logical_name         &lt;Data&gt;             &lt;OctetString Value="0003600101FF" /&gt;         &lt;/Data&gt;     </pre>		PASSED
<pre>     (14) .value         &lt;Data&gt;             &lt;OctetString Value="" /&gt;         &lt;/Data&gt;     </pre>		PASSED
<pre> Mngmt Get M-Bus Device ID 2 channel 4 0-4:96.1.1.255 (@1818)     (15) .logical_name         &lt;Data&gt;             &lt;OctetString Value="0004600101FF" /&gt;         &lt;/Data&gt;     </pre>		PASSED
<pre>     (16) .value         &lt;Data&gt;             &lt;OctetString Value="" /&gt;         &lt;/Data&gt;     </pre>		PASSED
<pre> ***** Test Case 15 : Ext. M - M-Bus Load Profiles, 32 item(s) *****     </pre>		
<pre> Mngmt Get M-Bus Master Load profile for channel 1 0-1:24.3.0.255 (@1838)     (1) .logical_name         &lt;Data&gt;             &lt;OctetString Value="0001180300FF" /&gt;         &lt;/Data&gt;     </pre>		PASSED
<pre>     (2) .buffer         Earliest date: 31-JUL-2019 02:00:00, latest date: 31-JUL-2019 15:00:00         Middle date: 31-JUL-2019 09:00:00     </pre>		PASSED
<pre>     (3) .capture_objects         &lt;Data&gt;             &lt;Array Qty="0006" &gt;                 &lt;Structure Qty="0004" &gt;                     &lt;LongUnsigned Value="0008" /&gt;                 </pre>		PASSED

```

    <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>
(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="0000000E" />
  </Data>
(8) .profile_entries PASSED
  <Data>
    <DoubleLongUnsigned Value="0000012C" />
  </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: 31-JUL-2019 02:00:00, latest date: 31-JUL-2019 15:00:00
  Middle date: 31-JUL-2019 09:00:00
(11) .capture_objects PASSED
  <Data>
    <Array Qty="0006" >

```

	<pre> &lt;Structure Qty="0004" &gt;   &lt;LongUnsigned Value="0008" /&gt;   &lt;OctetString Value="0000010000FF" /&gt;   &lt;Integer Value="02" /&gt;   &lt;LongUnsigned Value="0000" /&gt; &lt;/Structure&gt; &lt;Structure Qty="0004" &gt;   &lt;LongUnsigned Value="0001" /&gt;   &lt;OctetString Value="0002600A03FF" /&gt;   &lt;Integer Value="02" /&gt;   &lt;LongUnsigned Value="0000" /&gt; &lt;/Structure&gt; &lt;Structure Qty="0004" &gt;   &lt;LongUnsigned Value="0004" /&gt;   &lt;OctetString Value="0002180201FF" /&gt;   &lt;Integer Value="02" /&gt;   &lt;LongUnsigned Value="0000" /&gt; &lt;/Structure&gt; &lt;Structure Qty="0004" &gt;   &lt;LongUnsigned Value="0004" /&gt;   &lt;OctetString Value="0002180202FF" /&gt;   &lt;Integer Value="02" /&gt;   &lt;LongUnsigned Value="0000" /&gt; &lt;/Structure&gt; &lt;Structure Qty="0004" &gt;   &lt;LongUnsigned Value="0004" /&gt;   &lt;OctetString Value="0002180203FF" /&gt;   &lt;Integer Value="02" /&gt;   &lt;LongUnsigned Value="0000" /&gt; &lt;/Structure&gt; &lt;Structure Qty="0004" &gt;   &lt;LongUnsigned Value="0004" /&gt;   &lt;OctetString Value="0002180204FF" /&gt;   &lt;Integer Value="02" /&gt;   &lt;LongUnsigned Value="0000" /&gt; &lt;/Structure&gt; &lt;/Array&gt; &lt;/Data&gt; </pre>	
(12)	.capture_period	PASSED
	<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="00000E10" /&gt; &lt;/Data&gt; </pre>	
(13)	.sort_method	PASSED
	<pre> &lt;Data&gt;   &lt;Enum Value="04" /&gt; &lt;/Data&gt; </pre>	
(14)	.sort_object	PASSED
	<pre> &lt;Data&gt;   &lt;Structure Qty="0004" &gt;     &lt;LongUnsigned Value="0008" /&gt;     &lt;OctetString Value="0000010000FF" /&gt;     &lt;Integer Value="02" /&gt;     &lt;LongUnsigned Value="0000" /&gt;   &lt;/Structure&gt; &lt;/Data&gt; </pre>	
(15)	.entries_in_use	PASSED
	<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="0000000E" /&gt; &lt;/Data&gt; </pre>	
(16)	.profile_entries	PASSED
	<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="0000012C" /&gt; &lt;/Data&gt; </pre>	
	Mngmt Get M-Bus Master Load profile for channel 3 0-3:24.3.0.255 (@1860)	
(17)	.logical_name	PASSED
	<pre> &lt;Data&gt;   &lt;OctetString Value="0003180300FF" /&gt; &lt;/Data&gt; </pre>	
(18)	.buffer	PASSED
	<pre> Earliest date: 31-JUL-2019 02:00:00, latest date: 31-JUL-2019 15:00:00 Middle date: 31-JUL-2019 09:00:00 </pre>	
(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="0000000E" />
    </Data>
(24) .profile_entries PASSED
    <Data>
      <DoubleLongUnsigned Value="0000012C" />
    </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: 31-JUL-2019 02:00:00, latest date: 31-JUL-2019 15:00:00

```

```

Middle date: 31-JUL-2019 09:00:00
(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="0000000E" />
  </Data>
(32) .profile_entries PASSED
  <Data>
    <DoubleLongUnsigned Value="0000012C" />
  </Data>

*****
Test Case 16 : 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
<pre> &lt;Data&gt;   &lt;OctetString Value="0001180500FF" /&gt; &lt;/Data&gt; </pre>	
(2) .buffer	PASSED
<pre> Earliest date: 31-JUL-2019 06:46:16, latest date: 31-JUL-2019 06:46:51 Middle date: 31-JUL-2019 06:46:49 </pre>	
(3) .capture_objects	PASSED
<pre> &lt;Data&gt;   &lt;Array Qty="0002" &gt;     &lt;Structure Qty="0004" &gt;       &lt;LongUnsigned Value="0008" /&gt;       &lt;OctetString Value="0000010000FF" /&gt;       &lt;Integer Value="02" /&gt;       &lt;LongUnsigned Value="0000" /&gt;     &lt;/Structure&gt;     &lt;Structure Qty="0004" &gt;       &lt;LongUnsigned Value="0001" /&gt;       &lt;OctetString Value="0001600B04FF" /&gt;       &lt;Integer Value="02" /&gt;       &lt;LongUnsigned Value="0000" /&gt;     &lt;/Structure&gt;   &lt;/Array&gt; &lt;/Data&gt; </pre>	
(4) .capture_period	PASSED
<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="00000000" /&gt; &lt;/Data&gt; </pre>	
(5) .sort_method	PASSED
<pre> &lt;Data&gt;   &lt;Enum Value="01" /&gt; &lt;/Data&gt; </pre>	
(6) .sort_object	PASSED
<pre> &lt;Data&gt;   &lt;Structure Qty="0004" &gt;     &lt;LongUnsigned Value="0008" /&gt;     &lt;OctetString Value="0000010000FF" /&gt;     &lt;Integer Value="02" /&gt;     &lt;LongUnsigned Value="0000" /&gt;   &lt;/Structure&gt; &lt;/Data&gt; </pre>	
(7) .entries_in_use	PASSED
<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="00000006" /&gt; &lt;/Data&gt; </pre>	
(8) .profile_entries	PASSED
<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="000000E3" /&gt; &lt;/Data&gt; </pre>	
Mngmt Get M-Bus Master Control log object 2 0-2:24.5.0.255 (@1952)	
(9) .logical_name	PASSED
<pre> &lt;Data&gt;   &lt;OctetString Value="0002180500FF" /&gt; &lt;/Data&gt; </pre>	
(10) .buffer	PASSED
<pre> Earliest date: 31-JUL-2019 06:46:16, latest date: 31-JUL-2019 06:46:51 Middle date: 31-JUL-2019 06:46:49 </pre>	
(11) .capture_objects	PASSED
<pre> &lt;Data&gt;   &lt;Array Qty="0002" &gt;     &lt;Structure Qty="0004" &gt;       &lt;LongUnsigned Value="0008" /&gt;       &lt;OctetString Value="0000010000FF" /&gt;       &lt;Integer Value="02" /&gt;       &lt;LongUnsigned Value="0000" /&gt;     &lt;/Structure&gt;     &lt;Structure Qty="0004" &gt;       &lt;LongUnsigned Value="0001" /&gt;       &lt;OctetString Value="0002600B04FF" /&gt;       &lt;Integer Value="02" /&gt;       &lt;LongUnsigned Value="0000" /&gt;     &lt;/Structure&gt;   &lt;/Array&gt; &lt;/Data&gt; </pre>	

	</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="0008" />	
	<OctetString Value="0000010000FF" />	
	<Integer Value="02" />	
	<LongUnsigned Value="0000" />	
	</Structure>	
	</Data>	
(15)	.entries_in_use	PASSED
	<Data>	
	<DoubleLongUnsigned Value="00000006" />	
	</Data>	
(16)	.profile_entries	PASSED
	<Data>	
	<DoubleLongUnsigned Value="000000E3" />	
	</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: 31-JUL-2019 06:46:16, latest date: 31-JUL-2019 06:46:51	
	Middle date: 31-JUL-2019 06:46:49	
(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="0008" />	
	<OctetString Value="0000010000FF" />	
	<Integer Value="02" />	
	<LongUnsigned Value="0000" />	
	</Structure>	
	</Data>	
(23)	.entries_in_use	PASSED
	<Data>	
	<DoubleLongUnsigned Value="00000006" />	

<code>&lt;/Data&gt;</code>		
(24)	<code>.profile_entries</code>	PASSED
	<code>&lt;Data&gt;</code>	
	<code>&lt;DoubleLongUnsigned Value="000000E3" /&gt;</code>	
	<code>&lt;/Data&gt;</code>	
Mngmt Get M-Bus Master Control log object 4 0-4:24.5.0.255 (@1974)		
(25)	<code>.logical_name</code>	PASSED
	<code>&lt;Data&gt;</code>	
	<code>&lt;OctetString Value="0004180500FF" /&gt;</code>	
	<code>&lt;/Data&gt;</code>	
(26)	<code>.buffer</code>	PASSED
	<code>Earliest date: 31-JUL-2019 06:46:17, latest date: 31-JUL-2019 06:46:51</code>	
	<code>Middle date: 31-JUL-2019 06:46:49</code>	
(27)	<code>.capture_objects</code>	PASSED
	<code>&lt;Data&gt;</code>	
	<code>&lt;Array Qty="0002" &gt;</code>	
	<code>&lt;Structure Qty="0004" &gt;</code>	
	<code>&lt;LongUnsigned Value="0008" /&gt;</code>	
	<code>&lt;OctetString Value="0000010000FF" /&gt;</code>	
	<code>&lt;Integer Value="02" /&gt;</code>	
	<code>&lt;LongUnsigned Value="0000" /&gt;</code>	
	<code>&lt;/Structure&gt;</code>	
	<code>&lt;Structure Qty="0004" &gt;</code>	
	<code>&lt;LongUnsigned Value="0001" /&gt;</code>	
	<code>&lt;OctetString Value="0004600B04FF" /&gt;</code>	
	<code>&lt;Integer Value="02" /&gt;</code>	
	<code>&lt;LongUnsigned Value="0000" /&gt;</code>	
	<code>&lt;/Structure&gt;</code>	
	<code>&lt;/Array&gt;</code>	
	<code>&lt;/Data&gt;</code>	
(28)	<code>.capture_period</code>	PASSED
	<code>&lt;Data&gt;</code>	
	<code>&lt;DoubleLongUnsigned Value="00000000" /&gt;</code>	
	<code>&lt;/Data&gt;</code>	
(29)	<code>.sort_method</code>	PASSED
	<code>&lt;Data&gt;</code>	
	<code>&lt;Enum Value="01" /&gt;</code>	
	<code>&lt;/Data&gt;</code>	
(30)	<code>.sort_object</code>	PASSED
	<code>&lt;Data&gt;</code>	
	<code>&lt;Structure Qty="0004" &gt;</code>	
	<code>&lt;LongUnsigned Value="0008" /&gt;</code>	
	<code>&lt;OctetString Value="0000010000FF" /&gt;</code>	
	<code>&lt;Integer Value="02" /&gt;</code>	
	<code>&lt;LongUnsigned Value="0000" /&gt;</code>	
	<code>&lt;/Structure&gt;</code>	
	<code>&lt;/Data&gt;</code>	
(31)	<code>.entries_in_use</code>	PASSED
	<code>&lt;Data&gt;</code>	
	<code>&lt;DoubleLongUnsigned Value="00000006" /&gt;</code>	
	<code>&lt;/Data&gt;</code>	
(32)	<code>.profile_entries</code>	PASSED
	<code>&lt;Data&gt;</code>	
	<code>&lt;DoubleLongUnsigned Value="000000E3" /&gt;</code>	
	<code>&lt;/Data&gt;</code>	
Mngmt Get M-Bus Event Log 0-0:99.98.3.255 (@1989)		
(33)	<code>.logical_name</code>	PASSED
	<code>&lt;Data&gt;</code>	
	<code>&lt;OctetString Value="0000636203FF" /&gt;</code>	
	<code>&lt;/Data&gt;</code>	
(34)	<code>.buffer</code>	PASSED
	<code>Earliest date: 31-JUL-2019 06:46:16, latest date: 31-JUL-2019 13:59:56</code>	
	<code>Middle date: 31-JUL-2019 06:51:22</code>	
(35)	<code>.capture_objects</code>	PASSED
	<code>&lt;Data&gt;</code>	
	<code>&lt;Array Qty="0002" &gt;</code>	
	<code>&lt;Structure Qty="0004" &gt;</code>	
	<code>&lt;LongUnsigned Value="0008" /&gt;</code>	
	<code>&lt;OctetString Value="0000010000FF" /&gt;</code>	
	<code>&lt;Integer Value="02" /&gt;</code>	
	<code>&lt;LongUnsigned Value="0000" /&gt;</code>	

```

        </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="0008" />
            <OctetString Value="0000010000FF" />
            <Integer Value="02" />
            <LongUnsigned Value="0000" />
        </Structure>
    </Data>
(39) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="0000000E" />
    </Data>
(40) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="000000E3" />
    </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="00" />
    </Data>
(3) .control_state PASSED
    <Data>
        <Enum Value="00" />
    </Data>
(4) .control_mode PASSED
    <Data>
        <Enum Value="06" />
    </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
    <Data>
        <Boolean Value="00" />
    </Data>
(7) .control_state PASSED
    <Data>
        <Enum Value="00" />
    </Data>
(8) .control_mode PASSED
    <Data>
        <Enum Value="06" />
    </Data>

```

</Data>		
Mngmt Get M-Bus Master Disconnect control object 3 0-3:24.4.0.255 (@1898)		
(9) .logical_name		PASSED
<Data>		
<OctetString Value="0003180400FF" />		
</Data>		
(10) .output_state		PASSED
<Data>		
<Boolean Value="00" />		
</Data>		
(11) .control_state		PASSED
<Data>		
<Enum Value="00" />		
</Data>		
(12) .control_mode		PASSED
<Data>		
<Enum Value="06" />		
</Data>		
Mngmt Get M-Bus Master Disconnect control object 4 0-4:24.4.0.255 (@1906)		
(13) .logical_name		PASSED
<Data>		
<OctetString Value="0004180400FF" />		
</Data>		
(14) .output_state		PASSED
<Data>		
<Boolean Value="00" />		
</Data>		
(15) .control_state		PASSED
<Data>		
<Enum Value="00" />		
</Data>		
(16) .control_mode		PASSED
<Data>		
<Enum Value="06" />		
</Data>		
Mngmt Get M-Bus Disconnect control scheduler 0-1:15.0.1.255 (@1914)		
(17) .logical_name		PASSED
<Data>		
<OctetString Value="00010F0001FF" />		
</Data>		
(18) .executed_script		PASSED
<Data>		
<Structure Qty="0002" >		
<OctetString Value="00010A006AFF" />		
<LongUnsigned Value="0001" />		
</Structure>		
</Data>		
(19) .type		PASSED
<Data>		
<Enum Value="01" />		
</Data>		
(20) .execution_time		PASSED
<Data>		
<Array Qty="0001" >		
<Structure Qty="0002" >		
<OctetString Value="FFFFFFFF" />		
<OctetString Value="FFFFFFFF" />		
</Structure>		
</Array>		
</Data>		
Mngmt Get M-Bus Disconnect script table 0-1:10.0.106.255 (@1920)		
(21) .logical_name		PASSED
<Data>		
<OctetString Value="00010A006AFF" />		
</Data>		
(22) .scripts		PASSED
<_Data>		
<Array Qty="0010" >		
<Structure Qty="0002" >		

```

<LongUnsigned Value="0001" />
<Array Qty="0001" >
  <Structure Qty="0005" >
    <Enum Value="01" />
    <LongUnsigned Value="0046" />
    <OctetString Value="0001180400FF" />
    <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 : 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 19 : FIT Miscellaneous, 4 item(s)  
 \*\*\*\*\*

- (1) Disconnector 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 \*  
 \*\*\*\*\*

```

//*****
//* FIT CTI Meter & Control *
//* Date: 31-07-2019 *
//*****

```



```

// The CTI has a specified syntax but it's format is free
// Keep the leading '\' to denote a visible-string.

// Mandatory 'Manufacturer' structure
// *****
Manufacturer =
{
    Name = '\Meter&Control d.o.o.'
    // The manufacturer's FLAG id is a part of the DUT system title
    ThreeLettersId = '\MAC'
}

// Mandatory 'DeviceUnderTest' structure
// *****
DeviceUnderTest =
{
    // Type is any string that the manufacturer provides to identify the type the name
    // or the model of the device
    Type = '\ST401D'

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

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

    // The serial number of the DUT, is also part of its system title.
    SerialNr = 00193954

    // (Optional) 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 = IPv6 // one of IPv4, IPv6

    // (Optional) DataLinkLayer indicates what DL related objects of the OM are tested: objects
    // marked as M-G are
    // tested when DataLinkLayer = GPRS, the same holds for M-E and ETHERNET
    DataLinkLayer = G3 // one of GPRS, ETHERNET, G3

    // (Optional boolean) ConsumerInformationPush indicates that the related feature is
    // implemented. Objects maked as M-C are
    // tested then the value is TRUE
    ConsumerInformationPush = TRUE // or false

    // EUI64Address (mandatory for G3-PLC profile)
    EUI64Address = "020000FFFE02F5A2"

    // (optional boolean) SMSSupported enables test case 'SMS' and test item 'Wake up.Wake
    // up with SMS', default TRUE
    SMSSupported = FALSE

    // (optional boolean) ClipCallSupported enables test item 'Wake up.Wake up with clip
    // call', default TRUE
    ClipCallSupported = FALSE
}

// Optional 'TestOptions'
TestOptions =
{
    // (Optional) When set, it overrides the DUT number specified in settings
    //DUTTelNr = '\+33619163902'

    // (Optional) When set it overrides the DUT IP address specified in settings
    //DUTIPAddress = "\10.86.10.04"

    PushDestination = '\[FE80:0000:0000:0000:781D:00FF:FE00:0000]:61616'
}

```

```
// Mandatory parameters of the 'Remote' G3-PLC profile
G3PLCProfile = {
  // FrequencyBand : one of FCC, CENELEC_A
  FrequencyBand = CENELEC_A
  ResponseTimeout = 40000
  ConnectTimeout = 10000
  UDPPort = 61616
  PSK = "AB10341145111BC3C12DE8FF11142204"
}

// Mandatory 'ObjectModel' structure
// *****
// It defines the current values of the optional elements of the object model.
// These are the optional objects, the optional access rights of attributes and/or
// methods. Also, default values for writing attributes can also be defined here.

ObjectModel =
{
  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 (@217)
+ '1-1:0.2.0.255|1,' // Active firmware identifier 1 (@420)
+ '1-1:0.2.8.255|1,' // Active firmware signature 1 (@424)
+ '1-2:0.2.0.255|1,' // Active firmware identifier 2 (@428)
+ '1-2:0.2.8.255|1,' // Active firmware signature 2 (@432)
+ '1-0:9.8.0.255|3,' // Apparent energy import (+VA) (QI+QIV) (@497)
+ '1-0:10.8.0.255|3,' // Apparent energy export (-VA) (QII+QIII) (@503)
+ '1-0:5.8.1.255|3,' // Reactive energy (QI) rate 1 (@606)
+ '1-0:5.8.2.255|3,' // Reactive energy (QI) rate 2 (@612)
+ '1-0:5.8.3.255|3,' // Reactive energy (QI) rate 3 (@618)
+ '1-0:5.8.4.255|3,' // Reactive energy (QI) rate 4 (@624)
+ '1-0:6.8.1.255|3,' // Reactive energy (QII) rate 1 (@630)
+ '1-0:6.8.2.255|3,' // Reactive energy (QII) rate 2 (@636)
+ '1-0:6.8.3.255|3,' // Reactive energy (QII) rate 3 (@642)
+ '1-0:6.8.4.255|3,' // Reactive energy (QII) rate 4 (@648)
+ '1-0:7.8.1.255|3,' // Reactive energy (QIII) rate 1 (@654)
+ '1-0:7.8.2.255|3,' // Reactive energy (QIII) rate 2 (@660)
+ '1-0:7.8.3.255|3,' // Reactive energy (QIII) rate 3 (@666)
+ '1-0:7.8.4.255|3,' // Reactive energy (QIII) rate 4 (@672)
+ '1-0:8.8.1.255|3,' // Reactive energy (QIV) rate 1 (@678)
+ '1-0:8.8.2.255|3,' // Reactive energy (QIV) rate 2 (@684)
+ '1-0:8.8.3.255|3,' // Reactive energy (QIV) rate 3 (@690)
+ '1-0:8.8.4.255|3,' // Reactive energy (QIV) rate 4 (@696)
+ '1-0:9.8.1.255|3,' // Apparent energy import (+VA) rate 1 (@702)
+ '1-0:9.8.2.255|3,' // Apparent energy import (+VA) rate 2 (@708)
+ '1-0:9.8.3.255|3,' // Apparent energy import (+VA) rate 3 (@714)
+ '1-0:9.8.4.255|3,' // Apparent energy import (+VA) rate 4 (@720)
+ '1-0:10.8.1.255|3,' // Apparent energy export (-VA) rate 1 (@726)
+ '1-0:10.8.2.255|3,' // Apparent energy export (-VA) rate 2 (@732)
+ '1-0:10.8.3.255|3,' // Apparent energy export (-VA) rate 3 (@738)
+ '1-0:10.8.4.255|3,' // Apparent energy export (-VA) rate 4 (@744)
+ '1-0:15.8.1.255|3,' // Active energy Combined total (|+A|+|-A|) rate 1 (@750)
+ '1-0:15.8.2.255|3,' // Active energy Combined total (|+A|+|-A|) rate 2 (@756)
+ '1-0:15.8.3.255|3,' // Active energy Combined total (|+A|+|-A|) rate 3 (@762)
+ '1-0:15.8.4.255|3,' // Active energy Combined total (|+A|+|-A|) rate 4 (@768)
+ '1-0:9.4.0.255|5,' // Demand Register 5 - Apparent energy import (+VA) (@827)
+ '1-0:10.4.0.255|5,' // Demand Register 6 - Apparent energy export (-VA) (@840)
+ '1-0:1.5.0.255|4,' // Last Average Demand Register 1 - Active energy import (+A) (@853)
+ '1-0:2.5.0.255|4,' // Last Average Demand Register 2 - Active energy export (-A)
(@861)
+ '1-0:3.5.0.255|4,' // Last Average Demand Register 3 - Reactive energy import (+R)
(@869)
+ '1-0:4.5.0.255|4,' // Last Average Demand Register 4 - Reactive energy export (-R)
(@877)
+ '1-0:9.5.0.255|4,' // Last Average Demand Register 5 - Apparent energy import (+VA)
(@885)
+ '1-0:10.5.0.255|4,' // Last Average Demand Register 6 - Apparent energy export (-VA)
(@893)
+ '1-0:14.7.0.255|3,' // Instantaneous net frequency; any phase (@1450)
+ '1-0:9.7.0.255|3,' // Instantaneous apparent import power (+VA) (@1486)
```

```

+ '1-0:10.7.0.255|3,' // Instantaneous apparent export power (-VA) (@1492)
+ '1-0:13.7.0.255|3' // Instantaneous Power factor (+A/+VA) (@1537)

InstanceExtraInfo = {
// Current association (@9)
LogicalName = '0-0:40.0.0.255'
ClassId = 15
  AttributeExtraInfo = {
// authentication_mechanism_name
AttributeId = 6
AccessRights = [GET,SET]
}
  AttributeExtraInfo = {
// secret
AttributeId = 7
AccessRights = [SET]
  SetData = '\<Data><OctetString Value="3132333435363738" /></Data>'
}
}

InstanceExtraInfo = {
// Activity Calendar (@112)
LogicalName = '0-0:13.0.0.255'
ClassId = 20
  MethodExtraInfo = {
// activate_passive_calendar
MethodId = 1
AccessRights = [ACTION]
}
}

InstanceExtraInfo = {
// Register activation - Energy (@129)
LogicalName = '0-0:14.0.1.255'
ClassId = 6
  AttributeExtraInfo = {
// register_assignment
AttributeId = 2
AccessRights = [GET,SET]
}
}

InstanceExtraInfo = {
// Register activation - Maximum Demand (@135)
LogicalName = '0-0:14.0.2.255'
ClassId = 6
  AttributeExtraInfo = {
// register_assignment
AttributeId = 2
AccessRights = [GET,SET]
}
}

InstanceExtraInfo = {
// End of billing period 1 scheduler (@152)
LogicalName = '0-0:15.0.0.255'
ClassId = 22
  AttributeExtraInfo = {
// type
AttributeId = 3
AccessRights = [GET,SET]
}
}

InstanceExtraInfo = {
// Disconnect control scheduler (@170)
LogicalName = '0-0:15.0.1.255'
ClassId = 22
  AttributeExtraInfo = {
// type
AttributeId = 3
AccessRights = [GET,SET]
}
}

```

```

    }
}

InstanceExtraInfo = {
// Load Mgmt - Relay control 1 (@209)
LogicalName = '0-1:96.3.10.255'
ClassId = 70
  AttributeExtraInfo = {
// control_mode
AttributeId = 4
AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
// Load Mgmt - Relay control 2 (@217)
LogicalName = '0-2:96.3.10.255'
ClassId = 70
  AttributeExtraInfo = {
// control_mode
AttributeId = 4
AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
// Push action scheduler - Consumer Information (@351)
LogicalName = '0-4:15.0.4.255'
ClassId = 22
  AttributeExtraInfo = {
// type
AttributeId = 3
AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
// Image transfer (@388)
LogicalName = '0-0:44.0.0.255'
ClassId = 18
  AttributeExtraInfo = {
// image_block_size
AttributeId = 2
AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
// Image transfer activation scheduler (@401)
LogicalName = '0-0:15.0.2.255'
ClassId = 22
  AttributeExtraInfo = {
// type
AttributeId = 3
AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
// Load profile with period 1 i.e. General Load Profile (@1146)
LogicalName = '1-0:99.1.0.255'
ClassId = 7
  AttributeExtraInfo = {
// profile_entries
AttributeId = 8
AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
// Load profile with period 2 i.e. Daily Values Profile (@1161)
LogicalName = '1-0:99.2.0.255'
ClassId = 7

```

```

        AttributeExtraInfo = {
            // profile_entries
            AttributeId = 8
            AccessRights = [GET,SET]
        }
    }

InstanceExtraInfo = {
    // M-Bus Disconnect control scheduler (@1914)
    LogicalName = '0-1:15.0.1.255'
    ClassId = 22
    AttributeExtraInfo = {
        // type
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Push action scheduler - Interval_1 (@2144)
    LogicalName = '0-1:15.0.4.255'
    ClassId = 22
    AttributeExtraInfo = {
        // type
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Push action scheduler - Interval_2 (@2150)
    LogicalName = '0-2:15.0.4.255'
    ClassId = 22
    AttributeExtraInfo = {
        // type
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Push action scheduler - Interval_3 (@2156)
    LogicalName = '0-3:15.0.4.255'
    ClassId = 22
    AttributeExtraInfo = {
        // type
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

    InstanceExtraInfo = {
        // G3-PLC MAC Setup (1277)
        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="00112233445566778899AABBCCDDEEFF" />'
+'                </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 special days to 30 entries
  LogicalName = '0-0:11.0.0.255'
  ClassId = 11
  AttributeExtraInfo = {
    AttributeId = 2
    SetData = '\<Data>'
+   <Array Qty="1E" >'
+     <Structure Qty="03" >'
+       <LongUnsigned Value="0001" />'
+       <OctetString Value="FFFF0101FF" />'
+       <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>'
+     <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="FFFF0201FF" />'
+       <Unsigned Value="02" />'
+     </Structure>'
+     <Structure Qty="03" >'
+       <LongUnsigned Value="0001" />'
+       <OctetString Value="FFFF0202FF" />'
+       <Unsigned Value="02" />'
+     </Structure>'
+   </Array>'
  }
}

```

```

+'          <Unsigned Value="02" />'
+'        </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0203FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'    <Structure Qty="03" >'
+'      <LongUnsigned Value="0001" />'
+'      <OctetString Value="FFFF0204FF" />'
+'      <Unsigned Value="02" />'
+'    </Structure>'
+'  <Structure Qty="03" >'
+'    <LongUnsigned Value="0001" />'
+'    <OctetString Value="FFFF0205FF" />'
+'    <Unsigned Value="02" />'
+'  </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF0206FF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF0207FF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF0208FF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF0209FF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF020AFF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF0301FF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF0302FF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF0303FF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF0304FF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF0305FF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF0306FF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'
+' <Structure Qty="03" >'

```

```

+'          <LongUnsigned Value="0001" />'
+'          <OctetString Value="FFFF0307FF" />'
+'          <Unsigned Value="02" />'
+'        </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0308FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'    <Structure Qty="03" >'
+'      <LongUnsigned Value="0001" />'
+'      <OctetString Value="FFFF0309FF" />'
+'      <Unsigned Value="02" />'
+'    </Structure>'
+'  <Structure Qty="03" >'
+'    <LongUnsigned Value="0001" />'
+'    <OctetString Value="FFFF030AFF" />'
+'    <Unsigned Value="02" />'
+'  </Structure>'
+' </Array>'
+' </Data>'
+}
+}

InstanceExtraInfo = {
// YYYY MM DD DW HH MM SS
LogicalName = '0-0:1.0.0.255'
ClassId = 8
AttributeExtraInfo = {
AttributeId = 2
SetData = '\<Data><OctetString Value="07E3071F03100000FF8000FF" /></Data>'
}
}

}

// 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 = 12000

// Client system title
ClientSystemTitle = '58585A0102030405'

// Structure for the ImageTransfer
ImageTransfer =
{
// Image identifier as passed to the image_transfer_initiate method
ImageIdentifier = '\MAC-ST401D-LNR-HWL.3-FWL.5.8'
// 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 = '\MAC29052019.image'
// Time (in ms) that the iCTT loops reading the image_transfer status waiting for changes
Timeout = 120000
}

// Push timeout is the time (in ms) awaited by the iCTT for the DUT to send a
DataNotification
PushTimeout = 300000

// (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 = 1000

```



```

// (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 = 6

// (Optional) Capture delay in (ms) is a delay splitted in two inequal 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 = 30000

// (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 = 3
    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 = 10000

}

// Mandatory 'SecurityElements'
// *****
// There are 3 sets of 'SecurityElements', one for each communication profile (Local,
Remote and SMS)

// Each set contains one structure per client, each with the following members:

// ContextName: either LONG_NAMES or LONG_NAMES_WITH_CIPHERING

// MechanismName: either LOWEST_LEVEL_SECURITY, LOW_LEVEL_SECURITY or
HIGH_LEVEL_SECURITY_GMAC

// Policy: either NO_SECURITY, AUTHENTICATION, ENCRYPTION or AUTHENTICATION_AND_ENCRYPTION
// The policy determines how the APDU are ciphered. It is NOT the value of
// the security_policy attribute of the security setup object of the DUT.
// However, in a ciphered context, only APDU's with a ciphering 'policy' larger or equal to
// the security_policy of the DUT will be accepted.

// Password: if required by the mechanism name.

// For the client 'Preestablished' the 2 following members are mandatory:
// ServerMaxReceivePDUSize (integer)
// CipheringStyle (enum), GENERAL or SERVICE

// LocalSecurityElements
// Mandatory, used for the 'local' mode.

```

```

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 = 1200
        CipheringStyle = SERVICE
    }
}

// RemoteSecurityElements
// Mandatory, used when making tunneled accesses.
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
        Password = '\12345678'
    }
    PreEstablished = {
        Policy = AUTHENTICATION_AND_ENCRYPTION
        ServerMaxReceivePduSize = 1200
        CipheringStyle = GENERAL
    }
}

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

// Mandatory parameters of the ''Local'' HDLC Profile
HDLCProfile =
{
    PhysicalLayer =
    {
        OpeningMode = DIRECT_HDLC // or MODE_E
        HdlcBaud = 2400
    }

    DataLinkLayer =
    {
        InactivityTimeout = 120000
        InterFrameTimeout = 100
        ResponseTimeout = 2000
        DISCToNDMTimeout = 2000
    }
}

```

```

AddressingSchemes = [ONE_BYTE_ADDRESSING] // TWO_BYTES_ADDRESSING, FOUR_BYTES_ADDRESSING
// For TWO and FOUR bytes addressing schemes, we have to specify also a
ServerLowerMACAddress
    ServerLowerMACAddress = 0x11

// (Optional) Minimal delay between the last frame received and the next frame sent ,
default 0
    LastRecToNextSendDelay = 0
}

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

}

// Mandatory parameters of the ''Remote'' TCP Profile
TCPProfile =
{
    ServerTCPPort = 4059
    ResponseTimeout = 10000
    ConnectTimeout = 5000
    DisconnectToConnectDelay = 5000
}

// END CTI_Template

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

TestMode:                G3-PLC
Test Plan Signature:     BFC18D5882976F2087BC007B67CDC246
Object Model:           IDIS-S02-002 - object model Pack2 Ed2.0 - V2.28 (20170428)-FIT MBUS
Tests G350 (CorrectedAndValve status)-2017428.xlsx
DUT system title:       4D4143677002F5A2
Run number:             353

```