

# Final Interoperability Test Report

FIT #: **24**  
 Date: 18.10.2017  
 Location: DNV-GL, Arnhem, Netherlands  
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## APPLICANT

Company: Iskraemeco d.d.

Address: Savska loka 4, 4000 Kranj, Slovenija

DEVICE		
Device type	<b>AM550E + AC150-A2 GPRS</b>	
Type indication on MID certificate		MID Certificate No.
AM550		SIQ 16MID001
IDIS Specification reference	DNV-GL IDIS Certification run No	Digital signature of the test report.
Package 2 ed. 2.0	54	039D2D0B1F693AA19CFF7F0A6E32AB6A
First certification	IDIS Label	Modular device
<input checked="" type="checkbox"/>	0030	<input checked="" type="checkbox"/>
General information about the device		
Module: AC150-A2 GPRS		

FIRMWARE VERSIONS TESTED				Final Interoperability Test No. 24
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	Verdict
1	ISK550EC02302000	ISK550EA02301014		Passed

Honeywell

Iskraemeco d.d.

ltron

Landis+Gyr AG

Fit #24

Device:AM550E + AC150-A2 GPRS

DNV-GL,Arnhem, Netherlands, 18.10.2017

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FIRMWARE VERSIONS HISTORY				Final Integration Test	
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	No.	Verdict
1	ISK550EC02302000	ISK550EA02301014		24	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	
FIT Conformance Test Report		
<pre> ***** IDIS Conformance test report 18-OCT-2017 10:12:54 iCTT2 Package 2, Edition 2.0, Revision 1 (132) Licensed to: KEMA-IDIS Cert. Tester: Daniele Colangelo *****  ***** * Identification * *****  Manufacturer = {   Name = '\Iskraemeco'   ThreeLettersId = '\ISK' } DeviceUnderTest = {   Type = '\ISK AM550E GPRS'   IDISDeviceType = 102   IDISFunctionType = [EXTENSION_D, EXTENSION_L, EXTENSION_M]   SerialNr = 28021316   IPVersion = IPV4   DataLinkLayer = GPRS   ConsumerInformationPush = TRUE }  Active firmware identifier (1-0:0.2.0.255) = \ISK550EC02302000 Active firmware identifier 1 (1-1:0.2.0.255) = \ISK550EA02301014  ***** * Summary * *****  PASSED                267 FAILED                0 DISABLED              2 INAPPLICABLE         6 INCONCLUSIVE         0 FATAL                 0 TOTAL                 275 </pre>		

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*****
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="\28021316" />
    </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="" />
    </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="" />
    </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="" />
    </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="" />
    </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="" />
    </Data>

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*****
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="\ISK1020728021316" />
    </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="\ISK1020728021316" />
    </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="\ISK550EC02302000" />
    </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="E4501671265D2A881E786B9E6031A1EB01170F7BC882A2889B493377C6FD90C00A60F604A9AD278617154D
E2964327A4F9E082EE7626D6EE04E5E1855317D96F" />
    </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="\ISK550EA02301014" />
    </Data>

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

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    </Data>
(8) .value PASSED
    <Data>
      <OctetString
Value="CAFA49210DFE8D1335910F6142A1546AAA5E09ED361E68F979A11A36AA473FFC7E40EE63E2AFABFE411FC7
5431DEF4D8BEFAFBC4AE3BABBE75E9678089C17062" />
      </Data>

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="07E10A13FF080000FF8000FF" />
  </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="07E10A130408000100FF8880" />
  </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="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>
    </Array>
  </Data>

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        <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 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>

```

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*****
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="000F" >
    <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0101FF" />
        <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0102FF" />

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PASSED

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    <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>

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

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Mngmt Get Disconnecter Control Log 0-0:99.98.2.255 (@193)		
(1) .logical_name	PASSED	
<pre> &lt;Data&gt;   &lt;OctetString Value="0000636202FF" /&gt; &lt;/Data&gt; </pre>		
(2) .buffer	PASSED	
<pre> Earliest date: 16-OCT-2017 12:00:27, latest date: 16-OCT-2017 12:00:38 Middle date: 16-OCT-2017 12:00:34 </pre>		
(3) .entries_in_use	PASSED	
<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="00000009" /&gt; &lt;/Data&gt; </pre>		
(4) .profile_entries	PASSED	
<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="0000001E" /&gt; &lt;/Data&gt; </pre>		
Mngmt Get Standard Event Log 0-0:99.98.0.255 (@301)		
(5) .logical_name	PASSED	
<pre> &lt;Data&gt;   &lt;OctetString Value="0000636200FF" /&gt; &lt;/Data&gt; </pre>		
(6) .buffer	PASSED	
<pre> Earliest date: 16-OCT-2017 07:00:00, latest date: 28-OCT-2018 02:15:08 Middle date: 19-OCT-2017 23:44:55 </pre>		
(7) .entries_in_use	PASSED	
<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="00000064" /&gt; &lt;/Data&gt; </pre>		
(8) .profile_entries	PASSED	
<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="00000064" /&gt; &lt;/Data&gt; </pre>		
Mngmt Get Fraud Detection Log 0-0:99.98.1.255 (@316)		
(9) .logical_name	PASSED	
<pre> &lt;Data&gt;   &lt;OctetString Value="0000636201FF" /&gt; &lt;/Data&gt; </pre>		
(10) .buffer	PASSED	
<pre> Earliest date: 16-OCT-2017 10:13:16, latest date: 20-OCT-2017 00:21:53 Middle date: 17-OCT-2017 15:54:00 </pre>		
(11) .entries_in_use	PASSED	
<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="00000012" /&gt; &lt;/Data&gt; </pre>		
(12) .profile_entries	PASSED	
<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="0000001E" /&gt; &lt;/Data&gt; </pre>		
Mngmt Get Communication Log 0-0:99.98.5.255 (@331)		
(13) .logical_name	PASSED	
<pre> &lt;Data&gt;   &lt;OctetString Value="0000636205FF" /&gt; &lt;/Data&gt; </pre>		
(14) .buffer	PASSED	
<pre> Earliest date: 16-OCT-2017 12:06:17, latest date: 20-OCT-2017 00:16:18 Middle date: 16-OCT-2017 12:28:15 </pre>		
(15) .entries_in_use	PASSED	
<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="00000028" /&gt; &lt;/Data&gt; </pre>		
(16) .profile_entries	PASSED	
<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="000000FF" /&gt; &lt;/Data&gt; </pre>		
Mngmt Get Power Quality Log 0-0:99.98.4.255 (@1340)		
(17) .logical_name	PASSED	
<pre> &lt;Data&gt;   &lt;OctetString Value="0000636204FF" /&gt; </pre>		

<pre>         &lt;/Data&gt; (18) .buffer     Earliest date: 16-OCT-2017 12:07:53, latest date: 16-OCT-2017 12:08:17     Middle date: 16-OCT-2017 12:08:05 (19) .entries_in_use     &lt;Data&gt;         &lt;DoubleLongUnsigned Value="00000005" /&gt;     &lt;/Data&gt; (20) .profile_entries     &lt;Data&gt;         &lt;DoubleLongUnsigned Value="00000064" /&gt;     &lt;/Data&gt; </pre>	PASSED
<pre> ***** Test Case 11 : Reading Data of Billing Period 1, 8 item(s) ***** </pre>	
<pre> Mngmt Get Data of billing period 1 0-0:98.1.0.255 (@158) (1) .logical_name     &lt;Data&gt;         &lt;OctetString Value="0000620100FF" /&gt;     &lt;/Data&gt; (2) .buffer     Earliest date: 02-NOV-2017 00:00:00, latest date: 02-SEP-2018 00:00:00     Middle date: 02-MAY-2018 00:00:00 (3) .capture_objects     &lt;Data&gt;         &lt;Array Qty="0005" &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="0003" /&gt;                 &lt;OctetString Value="0100010801FF" /&gt;                 &lt;Integer Value="02" /&gt;                 &lt;LongUnsigned Value="0000" /&gt;             &lt;/Structure&gt;             &lt;Structure Qty="0004" &gt;                 &lt;LongUnsigned Value="0003" /&gt;                 &lt;OctetString Value="0100010802FF" /&gt;                 &lt;Integer Value="02" /&gt;                 &lt;LongUnsigned Value="0000" /&gt;             &lt;/Structure&gt;             &lt;Structure Qty="0004" &gt;                 &lt;LongUnsigned Value="0003" /&gt;                 &lt;OctetString Value="0100020801FF" /&gt;                 &lt;Integer Value="02" /&gt;                 &lt;LongUnsigned Value="0000" /&gt;             &lt;/Structure&gt;             &lt;Structure Qty="0004" &gt;                 &lt;LongUnsigned Value="0003" /&gt;                 &lt;OctetString Value="0100020802FF" /&gt;                 &lt;Integer Value="02" /&gt;                 &lt;LongUnsigned Value="0000" /&gt;             &lt;/Structure&gt;         &lt;/Array&gt;     &lt;/Data&gt; (4) .capture_period     &lt;Data&gt;         &lt;DoubleLongUnsigned Value="00000000" /&gt;     &lt;/Data&gt; (5) .sort_method     &lt;Data&gt;         &lt;Enum Value="01" /&gt;     &lt;/Data&gt; (6) .sort_object     &lt;Data&gt;         &lt;Structure Qty="0004" &gt;             &lt;LongUnsigned Value="0008" /&gt;             &lt;OctetString Value="0000010000FF" /&gt; </pre>	PASSED

<pre>                 &lt;Integer Value="02" /&gt;                 &lt;LongUnsigned Value="0000" /&gt;             &lt;/Structure&gt;         &lt;/Data&gt;     (7) .entries_in_use         &lt;Data&gt;             &lt;DoubleLongUnsigned Value="0000000D" /&gt;         &lt;/Data&gt;     (8) .profile_entries         &lt;Data&gt;             &lt;DoubleLongUnsigned Value="0000000D" /&gt;         &lt;/Data&gt; </pre>	PASSED
<p>*****          Test Case 12 : Ext. M - M-Bus Setup LGZ G350, 52 item(s)          *****</p>	
<pre> Mngmt Get M-Bus master port setup 1 0-0:24.6.0.255 (@1566) (1) .logical_name     &lt;Data&gt;         &lt;OctetString Value="0000180600FF" /&gt;     &lt;/Data&gt; (2) .comm_speed     &lt;Data&gt;         &lt;Enum Value="03" /&gt;     &lt;/Data&gt; </pre>	PASSED
<pre> 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 </pre>	
<pre> Mngmt Get M-Bus client channel 1 0-1:24.1.0.255 (@1574) (5) .logical_name     &lt;Data&gt;         &lt;OctetString Value="0001180100FF" /&gt;     &lt;/Data&gt; (6) .mbus_port_reference     &lt;Data&gt;         &lt;OctetString Value="0000180600FF" /&gt;     &lt;/Data&gt; (7) .capture_definition     &lt;Data&gt;         &lt;Array Qty="0004" &gt;             &lt;Structure Qty="0002" &gt;                 &lt;OctetString Value="\L" /&gt;                 &lt;OctetString Value="933A" /&gt;             &lt;/Structure&gt;             &lt;Structure Qty="0002" &gt;                 &lt;OctetString Value="8940" /&gt;                 &lt;OctetString Value="FD1A" /&gt;             &lt;/Structure&gt;             &lt;Structure Qty="0002" &gt;                 &lt;OctetString Value="0000000000000000" /&gt;                 &lt;OctetString Value="0000000000000000" /&gt;             &lt;/Structure&gt;             &lt;Structure Qty="0002" &gt;                 &lt;OctetString Value="0000000000000000" /&gt;                 &lt;OctetString Value="0000000000000000" /&gt;             &lt;/Structure&gt;         &lt;/Array&gt;     &lt;/Data&gt; (8) .capture_period     &lt;Data&gt;         &lt;DoubleLongUnsigned Value="000000E10" /&gt;     &lt;/Data&gt; (9) .primary_address     &lt;Data&gt;         &lt;Unsigned Value="01" /&gt;     &lt;/Data&gt; </pre>	PASSED

(10)	.identification_number <Data> <DoubleLongUnsigned Value="00E4F8F3" /> </Data>	PASSED
(11)	.manufacturer_id <Data> <LongUnsigned Value="30E2" /> </Data>	PASSED
(12)	.version <Data> <Unsigned Value="02" /> </Data>	PASSED
(13)	.device_type <Data> <Unsigned Value="03" /> </Data>	PASSED
(14)	.access_number <Data> <Unsigned Value="EB" /> </Data>	PASSED
(15)	.status <Data> <Unsigned Value="20" /> </Data>	PASSED
(16)	.alarm <Data> <Unsigned Value="00" /> </Data>	PASSED
Mngmt Get M-Bus client channel 2 0-2:24.1.0.255 (@1596)		
(17)	.logical_name <Data> <OctetString Value="0002180100FF" /> </Data>	PASSED
(18)	.mbus_port_reference <Data> <OctetString Value="0000180600FF" /> </Data>	PASSED
(19)	.capture_definition <Data> <Array Qty="0004" > <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="0000000000000000" /> <OctetString Value="0000000000000000" /> </Structure> <Structure Qty="0002" > <OctetString Value="0000000000000000" /> <OctetString Value="0000000000000000" /> </Structure> </Array> </Data>	PASSED
(20)	.capture_period <Data> <DoubleLongUnsigned Value="00000E10" /> </Data>	PASSED
(21)	.primary_address <Data> <Unsigned Value="02" /> </Data>	PASSED
(22)	.identification_number <Data> <DoubleLongUnsigned Value="00E4F8F4" /> </Data>	PASSED
(23)	.manufacturer_id <Data>	PASSED

	<LongUnsigned Value="30E2" />	
	</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="DE" />	
	</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="0004" >	
	<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="0000000000000000" />	
	<OctetString Value="0000000000000000" />	
	</Structure>	
	<Structure Qty="0002" >	
	<OctetString Value="0000000000000000" />	
	<OctetString Value="0000000000000000" />	
	</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="00E4F8F5" />	
	</Data>	
(35)	.manufacturer_id	PASSED
	<Data>	
	<LongUnsigned Value="30E2" />	
	</Data>	
(36)	.version	PASSED
	<Data>	
	<Unsigned Value="02" />	
	</Data>	

(37)	.device_type <Data> <Unsigned Value="03" /> </Data>	PASSED
(38)	.access_number <Data> <Unsigned Value="D9" /> </Data>	PASSED
(39)	.status <Data> <Unsigned Value="20" /> </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 <Data> <OctetString Value="0004180100FF" /> </Data>	PASSED
(42)	.mbus_port_reference <Data> <OctetString Value="0000180600FF" /> </Data>	PASSED
(43)	.capture_definition <Data> <Array Qty="0004" > <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="0000000000000000" /> <OctetString Value="0000000000000000" /> </Structure> <Structure Qty="0002" > <OctetString Value="0000000000000000" /> <OctetString Value="0000000000000000" /> </Structure> </Array> </Data>	PASSED
(44)	.capture_period <Data> <DoubleLongUnsigned Value="00000E10" /> </Data>	PASSED
(45)	.primary_address <Data> <Unsigned Value="04" /> </Data>	PASSED
(46)	.identification_number <Data> <DoubleLongUnsigned Value="00E4F8F6" /> </Data>	PASSED
(47)	.manufacturer_id <Data> <LongUnsigned Value="30E2" /> </Data>	PASSED
(48)	.version <Data> <Unsigned Value="02" /> </Data>	PASSED
(49)	.device_type <Data> <Unsigned Value="03" /> </Data>	PASSED
(50)	.access_number <Data>	PASSED

	<Unsigned Value="94" /> </Data>	
(51)	.status <Data> <Unsigned Value="20" /> </Data>	PASSED
(52)	.alarm <Data> <Unsigned Value="00" /> </Data>	PASSED
***** 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 <Data> <OctetString Value="0001180201FF" /> </Data>	PASSED
(2)	.value <Data> <DoubleLongUnsigned Value="00001F70" /> </Data>	PASSED
(3)	.scaler_unit <Data> <Structure Qty="0002" > <Integer Value="FD" /> <Enum Value="0D" /> </Structure> </Data>	PASSED
(4)	.status <Data> <Unsigned Value="00" /> </Data>	PASSED
(5)	.capture_time <Data> <OctetString Value="07E10A130408000700FF8880" /> </Data>	PASSED
Mngmt Get M-Bus Value channel 1, instance 2 0-1:24.2.2.255 (@1670)		
(6)	.logical_name <Data> <OctetString Value="0001180202FF" /> </Data>	PASSED
(7)	.value <Data> <DoubleLongUnsigned Value="00000001" /> </Data>	PASSED
(8)	.scaler_unit <Data> <Structure Qty="0002" > <Integer Value="00" /> <Enum Value="FF" /> </Structure> </Data>	PASSED
(9)	.status <Data> <Unsigned Value="00" /> </Data>	PASSED
(10)	.capture_time <Data> <OctetString Value="07E10A130408000700FF8880" /> </Data>	PASSED
Mngmt Get M-Bus Value channel 2, instance 1 0-2:24.2.1.255 (@1694)		
(11)	.logical_name <Data> <OctetString Value="0002180201FF" /> </Data>	PASSED
(12)	.value <Data> <DoubleLongUnsigned Value="000016EC" />	PASSED

	</Data>	
(13)	.scaler_unit <Data> <Structure Qty="0002" > <Integer Value="FD" /> <Enum Value="0D" /> </Structure> </Data>	PASSED
(14)	.status <Data> <Unsigned Value="00" /> </Data>	PASSED
(15)	.capture_time <Data> <OctetString Value="07E10A130408000900FF8880" /> </Data>	PASSED
Mngmt Get M-Bus Value channel 2, instance 2 0-2:24.2.2.255 (@1702)		
(16)	.logical_name <Data> <OctetString Value="0002180202FF" /> </Data>	PASSED
(17)	.value <Data> <DoubleLongUnsigned Value="00000001" /> </Data>	PASSED
(18)	.scaler_unit <Data> <Structure Qty="0002" > <Integer Value="00" /> <Enum Value="FF" /> </Structure> </Data>	PASSED
(19)	.status <Data> <Unsigned Value="00" /> </Data>	PASSED
(20)	.capture_time <Data> <OctetString Value="07E10A130408000900FF8880" /> </Data>	PASSED
Mngmt Get M-Bus Value channel 3, instance 1 0-3:24.2.1.255 (@1726)		
(21)	.logical_name <Data> <OctetString Value="0003180201FF" /> </Data>	PASSED
(22)	.value <Data> <DoubleLongUnsigned Value="00001167" /> </Data>	PASSED
(23)	.scaler_unit <Data> <Structure Qty="0002" > <Integer Value="FD" /> <Enum Value="0D" /> </Structure> </Data>	PASSED
(24)	.status <Data> <Unsigned Value="00" /> </Data>	PASSED
(25)	.capture_time <Data> <OctetString Value="07E10A130408000B00FF8880" /> </Data>	PASSED
Mngmt Get M-Bus Value channel 3, instance 2 0-3:24.2.2.255 (@1734)		
(26)	.logical_name <Data> <OctetString Value="0003180202FF" /> </Data>	PASSED
(27)	.value	PASSED



	<Data> <DoubleLongUnsigned Value="00000002" /> </Data>	
(28)	.scaler_unit <Data> <Structure Qty="0002" > <Integer Value="00" /> <Enum Value="FF" /> </Structure> </Data>	PASSED
(29)	.status <Data> <Unsigned Value="00" /> </Data>	PASSED
(30)	.capture_time <Data> <OctetString Value="07E10A130408000B00FF8880" /> </Data>	PASSED
	Mngmt Get M-Bus Value channel 4, instance 1 0-4:24.2.1.255 (@1758)	
(31)	.logical_name <Data> <OctetString Value="0004180201FF" /> </Data>	PASSED
(32)	.value <Data> <DoubleLongUnsigned Value="000000ECF" /> </Data>	PASSED
(33)	.scaler_unit <Data> <Structure Qty="0002" > <Integer Value="FD" /> <Enum Value="0D" /> </Structure> </Data>	PASSED
(34)	.status <Data> <Unsigned Value="00" /> </Data>	PASSED
(35)	.capture_time <Data> <OctetString Value="07E10A130408000C00FF8880" /> </Data>	PASSED
	Mngmt Get M-Bus Value channel 4, instance 2 0-4:24.2.2.255 (@1766)	
(36)	.logical_name <Data> <OctetString Value="0004180202FF" /> </Data>	PASSED
(37)	.value <Data> <DoubleLongUnsigned Value="00000001" /> </Data>	PASSED
(38)	.scaler_unit <Data> <Structure Qty="0002" > <Integer Value="00" /> <Enum Value="FF" /> </Structure> </Data>	PASSED
(39)	.status <Data> <Unsigned Value="00" /> </Data>	PASSED
(40)	.capture_time <Data> <OctetString Value="07E10A130408000C00FF8880" /> </Data>	PASSED
<p>*****            Test Case 14 : Ext. M - M-Bus Device IDs, 16 item(s)            *****</p>		

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="\00000561500593915" />	
</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="\00000561500594015" />	
</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="\00000561500594115" />	
</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="\00000561500594215" />	
</Data>	
Mngmt Get M-Bus Device ID 2 channel 1 0-1:96.1.1.255 (@1806)	
(9) .logical_name	PASSED
<Data>	
<OctetString Value="0001600101FF" />	
</Data>	
(10) .value	PASSED
<Data>	
<OctetString Value="" />	
</Data>	
Mngmt Get M-Bus Device ID 2 channel 2 0-2:96.1.1.255 (@1810)	
(11) .logical_name	PASSED
<Data>	
<OctetString Value="0002600101FF" />	
</Data>	
(12) .value	PASSED
<Data>	
<OctetString Value="" />	
</Data>	
Mngmt Get M-Bus Device ID 2 channel 3 0-3:96.1.1.255 (@1814)	
(13) .logical_name	PASSED
<Data>	
<OctetString Value="0003600101FF" />	
</Data>	
(14) .value	PASSED
<Data>	
<OctetString Value="" />	
</Data>	
Mngmt Get M-Bus Device ID 2 channel 4 0-4:96.1.1.255 (@1818)	
(15) .logical_name	PASSED
<Data>	

<pre>                 &lt;OctetString Value="0004600101FF" /&gt;             &lt;/Data&gt; (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: 16-OCT-2017 08:00:00, latest date: 19-OCT-2017 08:00:00             Middle date: 16-OCT-2017 11:00:00 </pre>	PASSED	
<pre> (3) .capture_objects             &lt;Data&gt;                 &lt;Array Qty="0003" &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="0001600A03FF" /&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="0001180201FF" /&gt;                         &lt;Integer Value="02" /&gt;                         &lt;LongUnsigned Value="0000" /&gt;                     &lt;/Structure&gt;                 &lt;/Array&gt;             &lt;/Data&gt; </pre>	PASSED	
<pre> (4) .capture_period             &lt;Data&gt;                 &lt;DoubleLongUnsigned Value="00000E10" /&gt;             &lt;/Data&gt; </pre>	PASSED	
<pre> (5) .sort_method             &lt;Data&gt;                 &lt;Enum Value="01" /&gt;             &lt;/Data&gt; </pre>	PASSED	
<pre> (6) .sort_object             &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>	PASSED	
<pre> (7) .entries_in_use             &lt;Data&gt;                 &lt;DoubleLongUnsigned Value="00000007" /&gt;             &lt;/Data&gt; </pre>	PASSED	
<pre> (8) .profile_entries             &lt;Data&gt;                 &lt;DoubleLongUnsigned Value="000000F0" /&gt;             &lt;/Data&gt; </pre>	PASSED	
<pre> Mngmt Get M-Bus Master Load profile for channel 2 0-2:24.3.0.255 (@1849) (9) .logical_name             &lt;Data&gt;                 &lt;OctetString Value="0002180300FF" /&gt;             &lt;/Data&gt; </pre>		PASSED

(10) .buffer	PASSED
Earliest date: 16-OCT-2017 08:00:00, latest date: 19-OCT-2017 08:00:00	
Middle date: 16-OCT-2017 11:00:00	
(11) .capture_objects	PASSED
<pre> &lt;Data&gt;   &lt;Array Qty="0003" &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="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;/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="01" /&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="00000007" /&gt; &lt;/Data&gt; </pre>	
(16) .profile_entries	PASSED
<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="000000F0" /&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
Earliest date: 16-OCT-2017 08:00:00, latest date: 19-OCT-2017 08:00:00	
Middle date: 16-OCT-2017 11:00:00	
(19) .capture_objects	PASSED
<pre> &lt;Data&gt;   &lt;Array Qty="0003" &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="0003600A03FF" /&gt;       &lt;Integer Value="02" /&gt;     &lt;/Structure&gt;   &lt;/Array&gt; &lt;/Data&gt; </pre>	

	<pre>                 &lt;LongUnsigned Value="0000" /&gt;             &lt;/Structure&gt;             &lt;Structure Qty="0004" &gt;                 &lt;LongUnsigned Value="0004" /&gt;                 &lt;OctetString Value="0003180201FF" /&gt;                 &lt;Integer Value="02" /&gt;                 &lt;LongUnsigned Value="0000" /&gt;             &lt;/Structure&gt;         &lt;/Array&gt;     &lt;/Data&gt; (20) .capture_period PASSED     &lt;Data&gt;         &lt;DoubleLongUnsigned Value="000000E10" /&gt;     &lt;/Data&gt; (21) .sort_method PASSED     &lt;Data&gt;         &lt;Enum Value="01" /&gt;     &lt;/Data&gt; (22) .sort_object PASSED     &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; (23) .entries_in_use PASSED     &lt;Data&gt;         &lt;DoubleLongUnsigned Value="00000007" /&gt;     &lt;/Data&gt; (24) .profile_entries PASSED     &lt;Data&gt;         &lt;DoubleLongUnsigned Value="000000F0" /&gt;     &lt;/Data&gt; Mngmt Get M-Bus Master Load profile for channel 4 0-4:24.3.0.255 (@1871) (25) .logical_name PASSED     &lt;Data&gt;         &lt;OctetString Value="0004180300FF" /&gt;     &lt;/Data&gt; (26) .buffer PASSED     Earliest date: 16-OCT-2017 08:00:00, latest date: 19-OCT-2017 08:00:00     Middle date: 16-OCT-2017 11:00:00 (27) .capture_objects PASSED     &lt;Data&gt;         &lt;Array Qty="0003" &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="0004600A03FF" /&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="0004180201FF" /&gt;                 &lt;Integer Value="02" /&gt;                 &lt;LongUnsigned Value="0000" /&gt;             &lt;/Structure&gt;         &lt;/Array&gt;     &lt;/Data&gt; (28) .capture_period PASSED     &lt;Data&gt;         &lt;DoubleLongUnsigned Value="000000E10" /&gt;     &lt;/Data&gt; (29) .sort_method PASSED     &lt;Data&gt; </pre>
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<pre>           &lt;Enum Value="01" /&gt;         &lt;/Data&gt; (30) .sort_object       &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; (31) .entries_in_use       &lt;Data&gt;         &lt;DoubleLongUnsigned Value="00000007" /&gt;       &lt;/Data&gt; (32) .profile_entries       &lt;Data&gt;         &lt;DoubleLongUnsigned Value="000000F0" /&gt;       &lt;/Data&gt; </pre>	PASSED
<pre> ***** Test Case 16 : Ext. M - M-Bus Control Logs, 40 item(s) ***** </pre>	
<pre> Mngmt Get M-Bus Master Control log object 1 0-1:24.5.0.255 (@1941) (1) .logical_name       &lt;Data&gt;         &lt;OctetString Value="0001180500FF" /&gt;       &lt;/Data&gt; (2) .buffer       Earliest date: 22-AUG-2017 10:55:10, latest date: 22-AUG-2017 11:44:58       Middle date: 22-AUG-2017 11:44:49 (3) .capture_objects       &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; (4) .capture_period       &lt;Data&gt;         &lt;DoubleLongUnsigned Value="00000000" /&gt;       &lt;/Data&gt; (5) .sort_method       &lt;Data&gt;         &lt;Enum Value="01" /&gt;       &lt;/Data&gt; (6) .sort_object       &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; (7) .entries_in_use       &lt;Data&gt;         &lt;DoubleLongUnsigned Value="00000005" /&gt;       &lt;/Data&gt; (8) .profile_entries       &lt;Data&gt;         &lt;DoubleLongUnsigned Value="0000000B" /&gt; </pre>	PASSED

</Data>	
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: 22-AUG-2017 10:55:16, latest date: 22-AUG-2017 11:45:22 Middle date: 22-AUG-2017 11:45:11 </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>	
(12) .capture_period	PASSED
<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="00000000" /&gt; &lt;/Data&gt; </pre>	
(13) .sort_method	PASSED
<pre> &lt;Data&gt;   &lt;Enum Value="01" /&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="00000005" /&gt; &lt;/Data&gt; </pre>	
(16) .profile_entries	PASSED
<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="0000000B" /&gt; &lt;/Data&gt; </pre>	
Mngmt Get M-Bus Master Control log object 3 0-3:24.5.0.255 (@1963)	
(17) .logical_name	PASSED
<pre> &lt;Data&gt;   &lt;OctetString Value="0003180500FF" /&gt; &lt;/Data&gt; </pre>	
(18) .buffer	PASSED
<pre> Earliest date: 22-AUG-2017 10:55:21, latest date: 22-AUG-2017 11:45:48 Middle date: 22-AUG-2017 11:45:37 </pre>	
(19) .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="0003600B04FF" /&gt;     &lt;/Structure&gt;   &lt;/Array&gt; &lt;/Data&gt; </pre>	

	<pre>                 &lt;Integer Value="02" /&gt;                 &lt;LongUnsigned Value="0000" /&gt;             &lt;/Structure&gt;         &lt;/Array&gt;     &lt;/Data&gt; (20) .capture_period PASSED     &lt;Data&gt;         &lt;DoubleLongUnsigned Value="00000000" /&gt;     &lt;/Data&gt; (21) .sort_method PASSED     &lt;Data&gt;         &lt;Enum Value="01" /&gt;     &lt;/Data&gt; (22) .sort_object PASSED     &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; (23) .entries_in_use PASSED     &lt;Data&gt;         &lt;DoubleLongUnsigned Value="00000005" /&gt;     &lt;/Data&gt; (24) .profile_entries PASSED     &lt;Data&gt;         &lt;DoubleLongUnsigned Value="0000000B" /&gt;     &lt;/Data&gt;  Mngmt Get M-Bus Master Control log object 4 0-4:24.5.0.255 (@1974) (25) .logical_name PASSED     &lt;Data&gt;         &lt;OctetString Value="0004180500FF" /&gt;     &lt;/Data&gt; (26) .buffer PASSED     Earliest date: 22-AUG-2017 10:55:26, latest date: 22-AUG-2017 11:46:10     Middle date: 22-AUG-2017 11:46:00 (27) .capture_objects PASSED     &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="0004600B04FF" /&gt;                 &lt;Integer Value="02" /&gt;                 &lt;LongUnsigned Value="0000" /&gt;             &lt;/Structure&gt;         &lt;/Array&gt;     &lt;/Data&gt; (28) .capture_period PASSED     &lt;Data&gt;         &lt;DoubleLongUnsigned Value="00000000" /&gt;     &lt;/Data&gt; (29) .sort_method PASSED     &lt;Data&gt;         &lt;Enum Value="01" /&gt;     &lt;/Data&gt; (30) .sort_object PASSED     &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>
--	--



(31) .entries_in_use	PASSED
<Data>	
<DoubleLongUnsigned Value="00000005" />	
</Data>	
(32) .profile_entries	PASSED
<Data>	
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</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: 16-OCT-2017 12:00:11, latest date: 19-OCT-2017 08:00:18	
Middle date: 16-OCT-2017 12:00:18	
(35) .capture_objects	PASSED
<Data>	
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<OctetString Value="0000600B03FF" />	
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<LongUnsigned Value="0000" />	
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(36) .capture_period	PASSED
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</Data>	
(37) .sort_method	PASSED
<Data>	
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</Data>	
(38) .sort_object	PASSED
<Data>	
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<Integer Value="02" />	
<LongUnsigned Value="0000" />	
</Structure>	
</Data>	
(39) .entries_in_use	PASSED
<Data>	
<DoubleLongUnsigned Value="00000017" />	
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(40) .profile_entries	PASSED
<Data>	
<DoubleLongUnsigned Value="0000001E" />	
</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>	
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</Data>	
(2) .output_state	PASSED
<Data>	
<Boolean Value="01" />	
</Data>	

(3) .control_state	PASSED
<Data>	
<Enum Value="02" />	
</Data>	
(4) .control_mode	PASSED
<Data>	
<Enum Value="01" />	
</Data>	
Mngmt Get M-Bus Master Disconnect control object 2 0-2:24.4.0.255 (@1890)	
(5) .logical_name	PASSED
<Data>	
<OctetString Value="0002180400FF" />	
</Data>	
(6) .output_state	PASSED
<Data>	
<Boolean Value="01" />	
</Data>	
(7) .control_state	PASSED
<Data>	
<Enum Value="02" />	
</Data>	
(8) .control_mode	PASSED
<Data>	
<Enum Value="01" />	
</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="02" />	
</Data>	
(12) .control_mode	PASSED
<Data>	
<Enum Value="01" />	
</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="01" />	
</Data>	
(15) .control_state	PASSED
<Data>	
<Enum Value="02" />	
</Data>	
(16) .control_mode	PASSED
<Data>	
<Enum Value="01" />	
</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>	
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	<pre> &lt;/Structure&gt; &lt;/Data&gt; (19) .type &lt;Data&gt;   &lt;Enum Value="01" /&gt; &lt;/Data&gt; (20) .execution_time &lt;Data&gt;   &lt;Array Qty="0001" &gt;     &lt;Structure Qty="0002" &gt;       &lt;OctetString Value="FFFFFFF" /&gt;       &lt;OctetString Value="FFFFFFFF" /&gt;     &lt;/Structure&gt;   &lt;/Array&gt; &lt;/Data&gt; Mngmt Get M-Bus Disconnecter script table 0-1:10.0.106.255 (@1920) (21) .logical_name &lt;Data&gt;   &lt;OctetString Value="00010A006AFF" /&gt; &lt;/Data&gt; (22) .scripts &lt;Data&gt;   &lt;Array Qty="0010" &gt;     &lt;Structure Qty="0002" &gt;       &lt;LongUnsigned Value="0001" /&gt;       &lt;Array Qty="0001" &gt;         &lt;Structure Qty="0005" &gt;           &lt;Enum Value="01" /&gt;           &lt;LongUnsigned Value="0046" /&gt;           &lt;OctetString Value="0001180400FF" /&gt;           &lt;Integer Value="03" /&gt;           &lt;Enum Value="02" /&gt;         &lt;/Structure&gt;       &lt;/Array&gt;     &lt;/Structure&gt;     &lt;Structure Qty="0002" &gt;       &lt;LongUnsigned Value="0002" /&gt;       &lt;Array Qty="0001" &gt;         &lt;Structure Qty="0005" &gt;           &lt;Enum Value="01" /&gt;           &lt;LongUnsigned Value="0046" /&gt;           &lt;OctetString Value="0001180400FF" /&gt;           &lt;Integer Value="03" /&gt;           &lt;Enum Value="01" /&gt;         &lt;/Structure&gt;       &lt;/Array&gt;     &lt;/Structure&gt;     &lt;Structure Qty="0002" &gt;       &lt;LongUnsigned Value="0003" /&gt;       &lt;Array Qty="0001" &gt;         &lt;Structure Qty="0005" &gt;           &lt;Enum Value="01" /&gt;           &lt;LongUnsigned Value="0046" /&gt;           &lt;OctetString Value="0002180400FF" /&gt;           &lt;Integer Value="03" /&gt;           &lt;Enum Value="02" /&gt;         &lt;/Structure&gt;       &lt;/Array&gt;     &lt;/Structure&gt;     &lt;Structure Qty="0002" &gt;       &lt;LongUnsigned Value="0004" /&gt;       &lt;Array Qty="0001" &gt;         &lt;Structure Qty="0005" &gt;           &lt;Enum Value="01" /&gt;           &lt;LongUnsigned Value="0046" /&gt;           &lt;OctetString Value="0002180400FF" /&gt;           &lt;Integer Value="03" /&gt;           &lt;Enum Value="01" /&gt;         &lt;/Structure&gt;       &lt;/Array&gt;     &lt;/Structure&gt;   &lt;/Array&gt; &lt;/Data&gt; </pre>	<p>PASSED</p> <p>PASSED</p> <p>PASSED</p> <p>PASSED</p>
--	--	---

```

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

```

```

*****
Test Case 18 : FIT Wake up, 2 item(s)
*****
                                                                                               DISABLED

*****
Test Case 19 : FIT Push, 3 item(s)
*****
(1) Push on installation                                                                                               PASSED
(2) Push on alarm                                                                                                       PASSED
(3) Push on power down                                                                                                   PASSED

*****
Test Case 20 : 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 ISK AM550E GPRS - FIT *
// * *
// * *
// * 2017-10-12 *
// * *
//*****

// Conformance Test Information (CTI) Template
// 2.2

Manufacturer = {
  Name = '\Iskraemeco'
  ThreeLettersId = '\ISK'
}

DeviceUnderTest = {
  Type = '\ISK AM550E GPRS'
  IDISDeviceType = 102
  IDISFunctionType = [Extension_D, Extension_L, Extension_M]
  SerialNr = 28021316
  IPVersion = IPv4
  DataLinkLayer = GPRS
  ConsumerInformationPush = TRUE
}

TestOptions = {
  DUTTelNr = '\+31658021896'
  DUTIPAddress = '\5.172.221.18'
}

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)
+ '1-0:9.8.0.255|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)
+ '1-0:9.6.0.255|4,' // Maximum Demand Register 21 - Apparent energy import (+VA) (@1061)
+ '1-0:9.6.1.255|4,' // Maximum Demand Register 22 - Apparent energy import (+VA) - rate
1 (@1069)
+ '1-0:9.6.2.255|4,' // Maximum Demand Register 23 - Apparent energy import (+VA) - rate
2 (@1077)
+ '1-0:9.6.3.255|4,' // Maximum Demand Register 24 - Apparent energy import (+VA) - rate
3 (@1085)
+ '1-0:9.6.4.255|4,' // Maximum Demand Register 25 - Apparent energy import (+VA) - rate
4 (@1093)
+ '1-0:10.6.0.255|4,' // Maximum Demand Register 26 - Apparent energy export (-VA)
(@1101)
+ '1-0:10.6.1.255|4,' // Maximum Demand Register 27 - Apparent energy export (-VA) - rate
1 (@1109)
+ '1-0:10.6.2.255|4,' // Maximum Demand Register 28 - Apparent energy export (-VA) - rate
2 (@1117)
+ '1-0:10.6.3.255|4,' // Maximum Demand Register 29 - Apparent energy export (-VA) - rate
3 (@1125)
+ '1-0:10.6.4.255|4,' // Maximum Demand Register 30 - Apparent energy export (-VA) - rate
4 (@1133)
+ '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)
+ '1-0:16.24.0.255|5,' // Average Net Power (|+A|+|-A|) (@1511)
+ '1-0:13.7.0.255|3,' // Instantaneous Power factor (+A/+VA) (@1537)
+ '1-0:13.5.0.255|4,' // Last Average Power factor (+A/+VA) (@1543)
+ '1-0:13.3.0.255|4,' // Minimum Power factor (+A/+VA) (@1551)
+ '1-0:0.8.2.255|3,' // Measurement Period 3 for Instantaneous values (@1559)
+ '0-0:20.0.0.255|19,' // IEC local port setup - IEC Optical port (@2001)
+ '0-5:25.9.0.255|40' // Push setup - On Power down (@2129)

InstanceExtraInfo = {
// Current association (@9)
LogicalName = '0-0:40.0.0.255'
ClassId = 15
AttributeExtraInfo = {
// authentication_mechanism_name
AttributeId = 6
AccessRights = [GET,SET]
SetData = '\<Data><OctetString Value="60857405080200" /></Data>'
}
MethodExtraInfo = {

```

```

        // change_HLS_secret
        MethodId = 2
        AccessRights = [ACTION]
    }
}

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 = {
    // Tariffication script table (@141)
    LogicalName = '0-0:10.0.100.255'
    ClassId = 9
    MethodExtraInfo = {
        // execute
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // Predefined Scripts - MDI reset / end of billing period (@147)
    LogicalName = '0-0:10.0.1.255'
    ClassId = 9
    AttributeExtraInfo = {
        // scripts
        AttributeId = 2
        AccessRights = [GET]
    }
}

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 = {
// Limiter (@225)
LogicalName = '0-0:17.0.0.255'
ClassId = 71
  AttributeExtraInfo = {
    // actions
    AttributeId = 11
    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 = {
// Predefined Scripts - Image activation (@407)
LogicalName = '0-0:10.0.107.255'
ClassId = 9
  AttributeExtraInfo = {
    // scripts
    AttributeId = 2
    AccessRights = [GET]
  }
}

InstanceExtraInfo = {
LogicalName = '0-0:97.98.0.255'
ClassId = 1
  AttributeExtraInfo = {
    AttributeId = 2
    SetData = '\<Data><DoubleLongUnsigned Value = "00000000" /></Data>'
  }
}

```

```

InstanceExtraInfo = {
  LogicalName = '0-0:97.98.1.255'
  ClassId = 1
  AttributeExtraInfo = {
    AttributeId = 2
    SetData = '\<Data><DoubleLongUnsigned Value = "00000000" /></Data>'
  }
}

InstanceExtraInfo = {
  LogicalName = '0-0:98.1.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    AttributeId = 2
    SelectiveAccessSelectors = [By_Range,By_Entry]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-0:99.98.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    AttributeId = 2
    SelectiveAccessSelectors = [By_Range,By_Entry]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-0:99.98.1.255'
  ClassId = 7
  AttributeExtraInfo = {
    AttributeId = 2
    SelectiveAccessSelectors = [By_Range,By_Entry]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-0:99.98.2.255'
  ClassId = 7
  AttributeExtraInfo = {
    AttributeId = 2
    SelectiveAccessSelectors = [By_Range,By_Entry]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-0:99.98.3.255'
  ClassId = 7
  AttributeExtraInfo = {
    AttributeId = 2
    SelectiveAccessSelectors = [By_Range,By_Entry]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-0:99.98.4.255'
  ClassId = 7
  AttributeExtraInfo = {
    AttributeId = 2
    SelectiveAccessSelectors = [By_Range,By_Entry]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-0:99.98.5.255'
  ClassId = 7
  AttributeExtraInfo = {
    AttributeId = 2
    SelectiveAccessSelectors = [By_Range,By_Entry]
  }
}

```

```

InstanceExtraInfo = {
  // Load profile with period 1 i.e. General Load Profile (@1146)
  LogicalName = '1-0:99.1.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    AttributeId = 2
    SelectiveAccessSelectors = [By_Range,By_Entry]
  }
  AttributeExtraInfo = {
    // profile_entries
    AttributeId = 8
    AccessRights = [GET,SET]
    SetData = '\<Data><DoubleLongUnsigned Value = "00000000" /></Data>'
  }
}

InstanceExtraInfo = {
  // Load profile with period 2 i.e. Daily Values Profile (@1161)
  LogicalName = '1-0:99.2.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    AttributeId = 2
    SelectiveAccessSelectors = [By_Range,By_Entry]
  }
  AttributeExtraInfo = {
    // profile_entries
    AttributeId = 8
    AccessRights = [GET,SET]
    SetData = '\<Data><DoubleLongUnsigned Value = "00000000" /></Data>'
  }
}

InstanceExtraInfo = {
  LogicalName = '1-0:99.97.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    AttributeId = 2
    SelectiveAccessSelectors = [By_Range,By_Entry]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-1:24.3.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    AttributeId = 2
    SelectiveAccessSelectors = [By_Range,By_Entry]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-2:24.3.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    AttributeId = 2
    SelectiveAccessSelectors = [By_Range,By_Entry]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-3:24.3.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    AttributeId = 2
    SelectiveAccessSelectors = [By_Range,By_Entry]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-4:24.3.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    AttributeId = 2
  }
}

```

```

        SelectiveAccessSelectors = [By_Range,By_Entry]
    }
}

InstanceExtraInfo = {
    LogicalName = '0-1:24.5.0.255'
    ClassId = 7
    AttributeExtraInfo = {
        AttributeId = 2
        SelectiveAccessSelectors = [By_Range,By_Entry]
    }
}

InstanceExtraInfo = {
    LogicalName = '0-2:24.5.0.255'
    ClassId = 7
    AttributeExtraInfo = {
        AttributeId = 2
        SelectiveAccessSelectors = [By_Range,By_Entry]
    }
}

InstanceExtraInfo = {
    LogicalName = '0-3:24.5.0.255'
    ClassId = 7
    AttributeExtraInfo = {
        AttributeId = 2
        SelectiveAccessSelectors = [By_Range,By_Entry]
    }
}

InstanceExtraInfo = {
    LogicalName = '0-4:24.5.0.255'
    ClassId = 7
    AttributeExtraInfo = {
        AttributeId = 2
        SelectiveAccessSelectors = [By_Range,By_Entry]
    }
}

InstanceExtraInfo = {
    // M-Bus client channel 1 (@1574)
    LogicalName = '0-1:24.1.0.255'
    ClassId = 72
    MethodExtraInfo = {
        // capture
        MethodId = 3
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // reset_alarm
        MethodId = 4
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // synchronize_clock
        MethodId = 5
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // data_send
        MethodId = 6
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus client channel 2 (@1596)
    LogicalName = '0-2:24.1.0.255'
    ClassId = 72
    MethodExtraInfo = {
        // capture
        MethodId = 3

```

```

        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // reset_alarm
        MethodId = 4
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // synchronize_clock
        MethodId = 5
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // data_send
        MethodId = 6
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus client channel 3 (@1618)
    LogicalName = '0-3:24.1.0.255'
    ClassId = 72
    MethodExtraInfo = {
        // capture
        MethodId = 3
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // reset_alarm
        MethodId = 4
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // synchronize_clock
        MethodId = 5
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // data_send
        MethodId = 6
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus client channel 4 (@1640)
    LogicalName = '0-4:24.1.0.255'
    ClassId = 72
    MethodExtraInfo = {
        // capture
        MethodId = 3
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // reset_alarm
        MethodId = 4
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // synchronize_clock
        MethodId = 5
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // data_send
        MethodId = 6
        AccessRights = [ACTION]
    }
}

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 script table (@2139)
  LogicalName = '0-0:10.0.108.255'
  ClassId = 9
  AttributeExtraInfo = {
    // scripts
    AttributeId = 2
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Push action scheduler - Interval_1 (@2144)
  LogicalName = '0-1:15.0.4.255'
  ClassId = 22
  AttributeExtraInfo = {
    // executed_script
    AttributeId = 2
    AccessRights = [GET,SET]
  }
  AttributeExtraInfo = {
    // type
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

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

InstanceExtraInfo = {
  // Push action scheduler - Interval_3 (@2156)
  LogicalName = '0-3:15.0.4.255'
  ClassId = 22
  AttributeExtraInfo = {
    // executed_script
    AttributeId = 2
    AccessRights = [GET,SET]
  }
  AttributeExtraInfo = {
    // type
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Push action scheduler - Consumer Information
  LogicalName = '0-4:15.0.4.255'
  ClassId = 22
  AttributeExtraInfo = {

```

```

        // executed_script
        AttributeId = 2
        AccessRights = [GET,SET]
    }
    AttributeExtraInfo = {
        // type
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Auto connect (@2163)
    LogicalName = '0-0:2.1.0.255'
    ClassId = 29
    AttributeExtraInfo = {
        // destination_list
        AttributeId = 6
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    LogicalName = '0-0:96.13.0.255'
    ClassId = 1
    AttributeExtraInfo = {
        AttributeId = 2
        SetData = '\<Data><OctetString Value="49534B5241454D45434F" /></Data>'
    }
}

InstanceExtraInfo = {
    LogicalName = '0-0:20.0.0.255'
    ClassId = 19
    AttributeExtraInfo = {
        AttributeId = 7
        SetData = '\<Data><OctetString Value="3132333435363738" /></Data>'
    }
    AttributeExtraInfo = {
        AttributeId = 8
        SetData = '\<Data><OctetString Value="3132333435363738" /></Data>'
    }
    AttributeExtraInfo = {
        AttributeId = 9
        SetData = '\<Data><OctetString Value="3132333435363738" /></Data>'
    }
}

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="00112233445566778899AABBCCDDEEFF" />'
        + '        </Structure>'
        + '    </Array>'
        + ' </Data>'
    }
}

InstanceExtraInfo = {
    // Set clock
    LogicalName = '0-0:1.0.0.255'
    ClassId = 8
    AttributeExtraInfo = {
        AttributeId = 2
        SetData = '\<Data><OctetString Value="07E10A13FF080000FF8000FF" /></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="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="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>'
+'
+'  }
+'
+'}

TestParameters = {
  ConnectDisconnectDelay = 5000
  ClientSystemTitle = '58585A0102030405'

  ImageTransfer = {
    ImageIdentifier = '49534B2D494D472D434F4D2D49534B00'
    ImageFileName = '\\ISK550E_Application_02_3.01.014_SignedWithIeGenericKey.bin'
    Timeout = 450000
  }

  PushTimeout = 300000
  MinInterWPDUFramesDelay = 2000
  ProfilePeriodsQty = 10
  CaptureDelay = 10000
  ClipCallDuration = 20000

  AutoConnect = {
    Repetitions = 1
    RepetitionDelay = 180
  }

  PushSetup = {
    NumberOfRetries = 1
    RepetitionDelay = 30
  }

  WakeUpDelay = 30000
  DisconnectToSendSMSDelay = 10000
  DataNotificationToDisconnectDelay = 4000
}

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
  }
}

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 = GENERAL
}
}

SMSSecurityElements = {
    PreEstablished = {
        Policy = AUTHENTICATION_AND_ENCRYPTION
        ServerMaxReceivePduSize = 138
        CipheringStyle = GENERAL
    }
}

HDLCPProfile = {
    PhysicalLayer = {
        OpeningMode = MODE_E
        HdlcBaud = 9600
    }
    DataLinkLayer = {
        InactivityTimeout = 30000
        InterFrameTimeout = 100
        ResponseTimeout = 5000
        DISCToNDMTimeout = 5000
        AddressingSchemes = [TWO_BYTES_ADDRESSING]
        ServerLowerMACAddress = 17
    }
}

TCPProfile = {
    ServerTCPPort = 4059
    ResponseTimeout = 60000
    ConnectTimeout = 10000
    DisconnectToConnectDelay = 10000
}

G3PLCProfile = {
    ResponseTimeout = 30000
    ConnectTimeout = 10000
    UDPPort = 61616
    PSK = "AB10341145111BC3C12DE8FF11142204"
}

// END CTI_Template

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

TestMode:                TCP
Test Plan Signature:     3F4C7D95CD38D680AE06AEC0962A5788
Object Model:            IDIS-S02-002 - object model Pack2 Ed2.0 - V2.28 (20170428)-FIT MBUS
Tests G350 (CorrectedAndValve status)-2017428.xlsx
DUT system title:       49534B6671AB9244
Run number:              511

```