

# Final Interoperability Test Report

FIT #: **24**  
 Date: 18.10.2017  
 Location: DNV-GL, Arnhem, Netherlands  
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<b>APPLICANT</b>
------------------

Company: Iskraemeco d.d.

Address: Savska loka 4, 4000 Kranj, Slovenija

DEVICE		
Device type	<b>Three-phase AM550 + AC150-A2 GPRS</b>	
<i>Type indication on MID certificate</i>		<i>MID Certificate No.</i>
AM550	SIQ 16MID002	
<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	52	4B17C94219CEA631516F2AAE38123D13
<i>First certification</i>	<i>IDIS Label</i>	<i>Modular device</i>
<input checked="" type="checkbox"/>	0031	<input checked="" type="checkbox"/>
<i>General information about the device</i>		
Module: AC150-A2 GPRS		

FIRMWARE VERSIONS TESTED				<i>Final Interoperability Test No. 24</i>
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	Verdict
1	ISK550TC02302002	ISK550TA02301014		Passed

\_\_\_\_\_  
Honeywell

\_\_\_\_\_  
Iskraemeco d.d.

\_\_\_\_\_  
Itron

\_\_\_\_\_  
Landis+Gyr AG

Fit #24

Device: Three-phase AM550 + 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	ISK550TC02302002	ISK550TA02301014		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 Wake up	Passed	
FIT Miscellaneous	Passed	
Optical Port Connectivity	Passed	
Consumer Information Interface	Passed	
<b>FIT Conformance Test Report</b>		
<pre> ***** IDIS Conformance test report 18-OCT-2017 11:58:08 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 AM550T GPRS'   IDISDeviceType = 103   IDISFunctionType = [EXTENSION_D, EXTENSION_L, EXTENSION_M]   SerialNr = 23567788   IPVersion = IPV4   DataLinkLayer = GPRS   ConsumerInformationPush = TRUE }  Active firmware identifier (1-0:0.2.0.255) = \ISK550TC02302002 Active firmware identifier 1 (1-1:0.2.0.255) = \ISK550TA02301014  ***** * Summary * *****  PASSED                267 FAILED                0 DISABLED              2 INAPPLICABLE         6 INCONCLUSIVE         0 FATAL                 0 </pre>		

TOTAL	275	
*****		
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="\23567788" />		
</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>		



```

    <OctetString Value="0101000208FF" />
  </Data>
  (8) .value PASSED
    <Data>
      <OctetString
Value="F2D138F971ED217D6CAB1DFEBC40C4E54468E621DA493A4DFB09D520FE01E0F56855D3B9551045B6424C0
D0760FE821F9746F9A4C54178FD283308AC0A53768" />
      </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="07E10A130408000200FF8880" />
    </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>

```

```

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

```

```

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

```

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

(1) .entries

PASSED

```

<Data>
  <Array Qty="000F" >
    <Structure Qty="0003" >
      <LongUnsigned Value="0001" />
      <OctetString Value="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="FFFF010BFF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF010CFF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF010DFF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF010EFF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF010FFF" />
  <Unsigned Value="02" />
</Structure>
</Array>
</Data>

```

\*\*\*\*\*  
 Test Case 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: 16-OCT-2017 12:01:23, latest date: 16-OCT-2017 12:01:34
    Middle date: 16-OCT-2017 12:01:30
(3) .entries_in_use PASSED
    <Data>
      <DoubleLongUnsigned Value="0000000A" />
    </Data>
(4) .profile_entries PASSED
    <Data>
      <DoubleLongUnsigned Value="0000001E" />
    </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: 16-OCT-2017 07:00:00, latest date: 19-OCT-2017 08:16:55
    Middle date: 19-OCT-2017 08:00:00
(7) .entries_in_use PASSED
    <Data>
      <DoubleLongUnsigned Value="00000064" />
    </Data>
(8) .profile_entries PASSED
    <Data>
      <DoubleLongUnsigned Value="00000064" />
    </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: 16-OCT-2017 12:04:15, latest date: 16-OCT-2017 12:07:17
    Middle date: 16-OCT-2017 12:05:05
(11) .entries_in_use PASSED
    <Data>
      <DoubleLongUnsigned Value="00000005" />
    </Data>
(12) .profile_entries PASSED
    <Data>
      <DoubleLongUnsigned Value="0000001E" />
    </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: 16-OCT-2017 12:10:32, latest date: 16-OCT-2017 12:12:09
    Middle date: 16-OCT-2017 12:11:30
(15) .entries_in_use PASSED
    <Data>
      <DoubleLongUnsigned Value="00000005" />
    </Data>
(16) .profile_entries PASSED
    <Data>
      <DoubleLongUnsigned Value="000000FF" />
    </Data>

Mngmt Get Power Quality Log 0-0:99.98.4.255 (@1340)
(17) .logical_name PASSED
    <Data>
  
```



<pre>                 &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="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="00000E10" /&gt;     &lt;/Data&gt; (9) .primary_address     &lt;Data&gt;         &lt;Unsigned Value="01" /&gt;     &lt;/Data&gt; </pre>	PASSED

	</Data>	
(10)	.identification_number <Data> <DoubleLongUnsigned Value="00047BB1" /> </Data>	PASSED
(11)	.manufacturer_id <Data> <LongUnsigned Value="19AC" /> </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="55" /> </Data>	PASSED
(15)	.status <Data> <Unsigned Value="40" /> </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="00047BB2" /> </Data>	PASSED
(23)	.manufacturer_id	PASSED

	<Data> <LongUnsigned Value="19AC" /> </Data>	
(24)	.version <Data> <Unsigned Value="02" /> </Data>	PASSED
(25)	.device_type <Data> <Unsigned Value="03" /> </Data>	PASSED
(26)	.access_number <Data> <Unsigned Value="3D" /> </Data>	PASSED
(27)	.status <Data> <Unsigned Value="40" /> </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="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
(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

	</Data>	
(37)	.device_type <Data> <Unsigned Value="03" /> </Data>	PASSED
(38)	.access_number <Data> <Unsigned Value="3D" /> </Data>	PASSED
(39)	.status <Data> <Unsigned Value="40" /> </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="00047BB3" /> </Data>	PASSED
(47)	.manufacturer_id <Data> <LongUnsigned Value="19AC" /> </Data>	PASSED
(48)	.version <Data> <Unsigned Value="02" /> </Data>	PASSED
(49)	.device_type <Data> <Unsigned Value="03" /> </Data>	PASSED
(50)	.access_number	PASSED

<Data> <Unsigned Value="8A" /> </Data>	
(51) .status	PASSED
<Data> <Unsigned Value="40" /> </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="00000D55" /> </Data>	
(3) .scaler_unit	PASSED
<Data> <Structure Qty="0002" > <Integer Value="FD" /> <Enum Value="0D" /> </Structure> </Data>	
(4) .status	PASSED
<Data> <Unsigned Value="00" /> </Data>	
(5) .capture_time	PASSED
<Data> <OctetString Value="07E10A130408000700FF8880" /> </Data>	
Mngmt Get M-Bus Value channel 1, instance 2 0-1:24.2.2.255 (@1670)	
(6) .logical_name	PASSED
<Data> <OctetString Value="0001180202FF" /> </Data>	
(7) .value	PASSED
<Data> <DoubleLongUnsigned Value="00000001" /> </Data>	
(8) .scaler_unit	PASSED
<Data> <Structure Qty="0002" > <Integer Value="00" /> <Enum Value="FF" /> </Structure> </Data>	
(9) .status	PASSED
<Data> <Unsigned Value="00" /> </Data>	
(10) .capture_time	PASSED
<Data> <OctetString Value="07E10A130408000700FF8880" /> </Data>	
Mngmt Get M-Bus Value channel 2, instance 1 0-2:24.2.1.255 (@1694)	
(11) .logical_name	PASSED
<Data> <OctetString Value="0002180201FF" /> </Data>	
(12) .value	PASSED
<Data>	

	<DoubleLongUnsigned Value="000009B2" />	
	</Data>	
(13)	.scaler_unit	PASSED
	<Data>	
	<Structure Qty="0002" >	
	<Integer Value="FD" />	
	<Enum Value="0D" />	
	</Structure>	
	</Data>	
(14)	.status	PASSED
	<Data>	
	<Unsigned Value="00" />	
	</Data>	
(15)	.capture_time	PASSED
	<Data>	
	<OctetString Value="07E10A130408000800FF8880" />	
	</Data>	
	Mngmt Get M-Bus Value channel 2, instance 2 0-2:24.2.2.255 (@1702)	
(16)	.logical_name	PASSED
	<Data>	
	<OctetString Value="0002180202FF" />	
	</Data>	
(17)	.value	PASSED
	<Data>	
	<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="07E10A130408000800FF8880" />	
	</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="00000CBE" />	
	</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="07E10A130408000A00FF8880" />	
	</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="07E10A130408000A00FF8880" />	
</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="000006F8" />	
</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="07E10A130408000C00FF8880" />	
</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="07E10A130408000C00FF8880" />	
</Data>	
*****	
Test Case 14 : Ext. M - M-Bus Device IDs, 16 item(s)	
*****	

Mngmt Get M-Bus Device ID 1 channel 1 0-1:96.1.0.255 (@1790)	
(1) .logical_name	PASSED
<Data>	
<OctetString Value="0001600100FF" />	
</Data>	
(2) .value	PASSED
<Data>	
<OctetString Value="\00000540029380911" />	
</Data>	
Mngmt Get M-Bus Device ID 1 channel 2 0-2:96.1.0.255 (@1794)	
(3) .logical_name	PASSED
<Data>	
<OctetString Value="0002600100FF" />	
</Data>	
(4) .value	PASSED
<Data>	
<OctetString Value="\00000540029381011" />	
</Data>	
Mngmt Get M-Bus Device ID 1 channel 3 0-3:96.1.0.255 (@1798)	
(5) .logical_name	PASSED
<Data>	
<OctetString Value="0003600100FF" />	
</Data>	
(6) .value	PASSED
<Data>	
<OctetString Value="\00000540029381211" />	
</Data>	
Mngmt Get M-Bus Device ID 1 channel 4 0-4:96.1.0.255 (@1802)	
(7) .logical_name	PASSED
<Data>	
<OctetString Value="0004600100FF" />	
</Data>	
(8) .value	PASSED
<Data>	
<OctetString Value="\00000540029381111" />	
</Data>	
Mngmt Get M-Bus Device ID 2 channel 1 0-1:96.1.1.255 (@1806)	
(9) .logical_name	PASSED
<Data>	
<OctetString Value="0001600101FF" />	
</Data>	
(10) .value	PASSED
<Data>	
<OctetString Value="" />	
</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

<pre>                 &lt;Data&gt;                 &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; </pre>	PASSED	

</Data>		
(10) .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	PASSED
(11) .capture_objects	<Data> <Array Qty="0003" > <Structure Qty="0004" > <LongUnsigned Value="0008" /> <OctetString Value="0000010000FF" /> <Integer Value="02" /> <LongUnsigned Value="0000" /> </Structure> <Structure Qty="0004" > <LongUnsigned Value="0001" /> <OctetString Value="0002600A03FF" /> <Integer Value="02" /> <LongUnsigned Value="0000" /> </Structure> <Structure Qty="0004" > <LongUnsigned Value="0004" /> <OctetString Value="0002180201FF" /> <Integer Value="02" /> <LongUnsigned Value="0000" /> </Structure> </Array> </Data>	PASSED
(12) .capture_period	<Data> <DoubleLongUnsigned Value="00000E10" /> </Data>	PASSED
(13) .sort_method	<Data> <Enum Value="01" /> </Data>	PASSED
(14) .sort_object	<Data> <Structure Qty="0004" > <LongUnsigned Value="0008" /> <OctetString Value="0000010000FF" /> <Integer Value="02" /> <LongUnsigned Value="0000" /> </Structure> </Data>	PASSED
(15) .entries_in_use	<Data> <DoubleLongUnsigned Value="00000007" /> </Data>	PASSED
(16) .profile_entries	<Data> <DoubleLongUnsigned Value="000000F0" /> </Data>	PASSED
Mngmt Get M-Bus Master Load profile for channel 3 0-3:24.3.0.255 (@1860)		
(17) .logical_name	<Data> <OctetString Value="0003180300FF" /> </Data>	PASSED
(18) .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	PASSED
(19) .capture_objects	<Data> <Array Qty="0003" > <Structure Qty="0004" > <LongUnsigned Value="0008" /> <OctetString Value="0000010000FF" /> <Integer Value="02" /> <LongUnsigned Value="0000" /> </Structure> <Structure Qty="0004" > <LongUnsigned Value="0001" /> <OctetString Value="0003600A03FF" /> </Array> </Data>	PASSED

	<pre>                 &lt;Integer Value="02" /&gt;                 &lt;LongUnsigned Value="0000" /&gt;             &lt;/Structure&gt;         &lt;/Array&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="00000E10" /&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="00000E10" /&gt;     &lt;/Data&gt; (29) .sort_method PASSED </pre>
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<pre>                 &lt;Data&gt;                 &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: 17-AUG-2017 08:07:06, latest date: 17-AUG-2017 14:43:16                 Middle date: 17-AUG-2017 14:42:40 (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; </pre>	PASSED

<pre>           &lt;DoubleLongUnsigned Value="0000000B" /&gt;         &lt;/Data&gt;       </pre>		
<pre> Mngmt Get M-Bus Master Control log object 2 0-2:24.5.0.255 (@1952) (9) .logical_name       &lt;Data&gt;         &lt;OctetString Value="0002180500FF" /&gt;       &lt;/Data&gt; </pre>		PASSED
<pre> (10) .buffer       Earliest date: 17-AUG-2017 08:07:06, latest date: 17-AUG-2017 14:43:43       Middle date: 17-AUG-2017 14:43:33 </pre>		PASSED
<pre> (11) .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="0002600B04FF" /&gt;             &lt;Integer Value="02" /&gt;             &lt;LongUnsigned Value="0000" /&gt;           &lt;/Structure&gt;         &lt;/Array&gt;       &lt;/Data&gt; </pre>		PASSED
<pre> (12) .capture_period       &lt;Data&gt;         &lt;DoubleLongUnsigned Value="00000000" /&gt;       &lt;/Data&gt; </pre>		PASSED
<pre> (13) .sort_method       &lt;Data&gt;         &lt;Enum Value="01" /&gt;       &lt;/Data&gt; </pre>		PASSED
<pre> (14) .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> (15) .entries_in_use       &lt;Data&gt;         &lt;DoubleLongUnsigned Value="00000005" /&gt;       &lt;/Data&gt; </pre>		PASSED
<pre> (16) .profile_entries       &lt;Data&gt;         &lt;DoubleLongUnsigned Value="0000000B" /&gt;       &lt;/Data&gt; </pre>		PASSED
<pre> Mngmt Get M-Bus Master Control log object 3 0-3:24.5.0.255 (@1963) (17) .logical_name       &lt;Data&gt;         &lt;OctetString Value="0003180500FF" /&gt;       &lt;/Data&gt; </pre>		PASSED
<pre> (18) .buffer       Earliest date: 17-AUG-2017 08:07:06, latest date: 23-OCT-2017 09:00:31       Middle date: 22-AUG-2017 04:31:16 </pre>		PASSED
<pre> (19) .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; </pre>		PASSED

	<pre>                 &lt;OctetString Value="0003600B04FF" /&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="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="00000006" /&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: 17-AUG-2017 08:07:06, latest date: 17-AUG-2017 14:44:51     Middle date: 17-AUG-2017 14:44:39 (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>
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	</Data>	
(31)	.entries_in_use <Data> <DoubleLongUnsigned Value="00000005" /> </Data>	PASSED
(32)	.profile_entries <Data> <DoubleLongUnsigned Value="0000000B" /> </Data>	PASSED
	Mngmt Get M-Bus Event Log 0-0:99.98.3.255 (@1989)	
(33)	.logical_name <Data> <OctetString Value="0000636203FF" /> </Data>	PASSED
(34)	.buffer Earliest date: 16-OCT-2017 12:00:36, latest date: 19-OCT-2017 08:00:17 Middle date: 16-OCT-2017 12:00:39	PASSED
(35)	.capture_objects <Data> <Array Qty="0002" > <Structure Qty="0004" > <LongUnsigned Value="0008" /> <OctetString Value="0000010000FF" /> <Integer Value="02" /> <LongUnsigned Value="0000" /> </Structure> <Structure Qty="0004" > <LongUnsigned Value="0001" /> <OctetString Value="0000600B03FF" /> <Integer Value="02" /> <LongUnsigned Value="0000" /> </Structure> </Array> </Data>	PASSED
(36)	.capture_period <Data> <DoubleLongUnsigned Value="00000000" /> </Data>	PASSED
(37)	.sort_method <Data> <Enum Value="01" /> </Data>	PASSED
(38)	.sort_object <Data> <Structure Qty="0004" > <LongUnsigned Value="0008" /> <OctetString Value="0000010000FF" /> <Integer Value="02" /> <LongUnsigned Value="0000" /> </Structure> </Data>	PASSED
(39)	.entries_in_use <Data> <DoubleLongUnsigned Value="00000011" /> </Data>	PASSED
(40)	.profile_entries <Data> <DoubleLongUnsigned Value="0000001E" /> </Data>	PASSED
*****		
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 <Data> <OctetString Value="0001180400FF" /> </Data>	PASSED
(2)	.output_state <Data> <Boolean Value="01" />	PASSED

```
</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="01" />
  </Data>
(11) .control_state PASSED
  <Data>
    <Enum Value="01" />
  </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>
    <Structure Qty="0002" >
      <OctetString Value="00010A006AFF" />
    </Structure>
  </Data>
```

```

        <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 Disconnecter 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>
        </Array>
    </Data>

```

```

<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 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 AM550T GPRS - FIT *
//* *
//* *
//* 2017-10-12 *
//* *
//*****

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

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

DeviceUnderTest = {
  Type = 'ISK AM550T GPRS'
  IDISDeviceType = 103
  IDISFunctionType = [Extension_D, Extension_L, Extension_M]
  SerialNr = 23567788
  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>'
+ '    </Array>'
+ '    <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 = '49534B2D494D472D43F4D2D49534B00'
    ImageFileName = '\ISK550T_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
CipherringStyle = GENERAL
}
}

SMSSecurityElements = {
PreEstablished = {
Policy = AUTHENTICATION_AND_ENCRYPTION
ServerMaxReceivePduSize = 138
CipherringStyle = 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:       49534B6771679DAC
Run number:             512

```