

# Final Interoperability Test Report

FIT #: **22**  
 Date: 22.07.2017  
 Location: DNV-GL, Arnhem, Netherlands  
 Page 1 of 31

## APPLICANT

Company: SAGEMCOM ENERGY & TELECOM SAS

Address: 250 Route de l'Empereur 92848 Rueil Malmaison Cedex (France)

DEVICE		
Device type	<b>T210-D</b>	
Type indication on MID certificate	MID Certificate No.	
T210-D 253720531	ITE 17/170413 ON	
IDIS Specification reference	KEMA IDIS Certification run No	Digital signature of the test report.
Package 2 ed. 2.0	32	D069E8EBD03268801A4254D00823B700
First certification	IDIS Label	Modular device
<input checked="" type="checkbox"/>	0032	<input type="checkbox"/>
General information about the device		

FIRMWARE VERSIONS TESTED				Final Interoperability Test No. 22
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	Verdict
1	01.12	01.15	01.15	Passed

Honeywell

Iskraemeco d.d.

Itron

Landis+Gyr AG

Fit #22  
 Device:T210-D

DNV-GL, Arnhem, Netherlands, 05.07.2017

Page 2 of 31

FIRMWARE VERSIONS HISTORY				Final Integration Test	
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	No.	Verdict
1	01.12	01.15	01.15	22	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	Not Tested	
<b>FIT Conformance Test Report</b>		
<pre> ***** IDIS Conformance test report 05-JUL-2017 14:21:18 iCTT2 Package 2, Edition 2.0, Revision 1 (132) Licensed to: KEMA-IDIS Cert. Tester: Bas Roelofsen *****  ***** * Identification * *****  Manufacturer = {   Name = '\Sagemcom'   ThreeLettersId = '\SAG' } DeviceUnderTest = {   IDISDeviceType = 103   IDISFunctionType = [EXTENSION_D, EXTENSION_M]   Type = '\T210-D'   SerialNr = 20000008   IPVersion = IPV4   DataLinkLayer = GPRS   ConsumerInformationPush = FALSE }  Active firmware identifier (1-0:0.2.0.255) = \01.12 Active firmware identifier 1 (1-1:0.2.0.255) = \01.15 Active firmware identifier 2 (1-2:0.2.0.255) = \01.15  ***** * Summary * *****  PASSED                272 FAILED                0 DISABLED              2 INAPPLICABLE         1 INCONCLUSIVE         0 FATAL                 0 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 </pre>		

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*****
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="\20000008" />
    </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>

*****
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="\SAG1030520000008" />
    </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="\SAG1030520000008" />
    </Structure>
    </Array>
    </Data>

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*****
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="\01.12" />
    </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="\0553957A" />
    </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="\01.15" />
    </Data>

Mngmt Get Active firmware signature 1 1-1:0.2.8.255 (@424)
(7) .logical_name PASSED
    <Data>
    <OctetString Value="0101000208FF" />
    </Data>
(8) .value PASSED
    <Data>
    <OctetString Value="\D58598FC" />
    </Data>

Mngmt Get Active firmware identifier 2 1-2:0.2.0.255 (@428)
(9) .logical_name PASSED
    <Data>
    <OctetString Value="0102000200FF" />
    </Data>
(10) .value PASSED
    <Data>
    <OctetString Value="\01.15" />
    </Data>

Mngmt Get Active firmware signature 2 1-2:0.2.8.255 (@432)
(11) .logical_name PASSED
    <Data>
    <OctetString Value="0102000208FF" />
    </Data>
(12) .value PASSED
    <Data>
    <OctetString Value="\7140AD01" />
    </Data>

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

Pre Set Clock 0-0:1.0.0.255 (@75)
(1) .time PASSED
    <Data>
    <OctetString Value="07DF0705FF0F0000FF8000FF" />
    </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="07DF0705070F0001FFFF8880" />
    </Data>

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

Pre Set Special Days Table 0-0:11.0.0.255 (@125)
(1) .entries PASSED
    <Data>
    <Array Qty="001E" >
    <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0101FF" />
    <Unsigned Value="02" />
    </Structure>
    </Array>
    </Data>

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    <OctetString Value="FFFF0301FF" />
    <Unsigned Value="02" />
  </Structure>
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0302FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0303FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0304FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0305FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0306FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0307FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0308FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0309FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF030AFF" />
  <Unsigned Value="02" />
</Structure>
</Array>
</Data>

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

Mngmt Get Special Days Table 0-0:11.0.0.255 (@125)
(1) .entries
  <Data>
    <Array Qty="001E" >
      <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <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>
    </Array>
  </Data>

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PASSED

```
<Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0109FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF010AFF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0201FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0202FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0203FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0204FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0205FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0206FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0207FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0208FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0209FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF020AFF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0301FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0302FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0303FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0304FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0305FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0306FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0307FF" />
  <Unsigned Value="02" />
</Structure>
```



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<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0308FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0309FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF030AFF" />
  <Unsigned Value="02" />
</Structure>
</Array>
</Data>

*****
Test Case 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: 02-JUL-2017 15:38:04, latest date: 03-JUL-2017 10:55:44
  Middle date: 03-JUL-2017 02:45:03
(3) .entries_in_use PASSED
  <Data>
  <DoubleLongUnsigned Value="00000005" />
  </Data>
(4) .profile_entries PASSED
  <Data>
  <DoubleLongUnsigned Value="00000078" />
  </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: 05-JUL-2015 15:00:00, latest date: 05-JUL-2017 14:22:15
  Middle date: 05-JUL-2017 12:00:50
(7) .entries_in_use PASSED
  <Data>
  <DoubleLongUnsigned Value="00000078" />
  </Data>
(8) .profile_entries PASSED
  <Data>
  <DoubleLongUnsigned Value="00000078" />
  </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: 02-JUL-2017 20:15:50, latest date: 05-JUL-2017 13:45:56
  Middle date: 04-JUL-2017 15:04:11
(11) .entries_in_use PASSED
  <Data>
  <DoubleLongUnsigned Value="00000018" />
  </Data>
(12) .profile_entries PASSED
  <Data>
  <DoubleLongUnsigned Value="00000078" />
  </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: 05-JUL-2017 12:20:28, latest date: 05-JUL-2017 13:46:26
  Middle date: 05-JUL-2017 13:02:55
(15) .entries_in_use PASSED
  <Data>
  <DoubleLongUnsigned Value="00000078" />
  </Data>
(16) .profile_entries PASSED
  <Data>
  <DoubleLongUnsigned Value="00000078" />
  </Data>

Mngmt Get Power Quality Log 0-0:99.98.4.255 (@1340)
(17) .logical_name PASSED
  <Data>
  <OctetString Value="0000636204FF" />
  </Data>
(18) .buffer PASSED
  Earliest date: 02-JUL-2017 16:33:38, latest date: 05-JUL-2017 13:45:57

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Middle date: 04-JUL-2017 14:35:32	
(19) .entries_in_use	PASSED
<Data>	
<DoubleLongUnsigned Value="00000041" />	
</Data>	
(20) .profile_entries	PASSED
<Data>	
<DoubleLongUnsigned Value="00000078" />	
</Data>	
*****	
Test Case 11 : Reading Data of Billing Period 1, 8 item(s)	
*****	
Mngmt Get Data of billing period 1 0-0:98.1.0.255 (@158)	
(1) .logical_name	PASSED
<Data>	
<OctetString Value="0000620100FF" />	
</Data>	
(2) .buffer	PASSED
Earliest date: 01-AUG-2016 00:00:00, latest date: 01-AUG-2017 00:00:00	
Middle date: 01-FEB-2017 00:00:00	
(3) .capture_objects	PASSED
<Data>	
<Array Qty="0005" >	
<Structure Qty="0004" >	
<LongUnsigned Value="0008" />	
<OctetString Value="000010000FF" />	
<Integer Value="02" />	
<LongUnsigned Value="0000" />	
</Structure>	
<Structure Qty="0004" >	
<LongUnsigned Value="0003" />	
<OctetString Value="0100010801FF" />	
<Integer Value="02" />	
<LongUnsigned Value="0000" />	
</Structure>	
<Structure Qty="0004" >	
<LongUnsigned Value="0003" />	
<OctetString Value="0100010802FF" />	
<Integer Value="02" />	
<LongUnsigned Value="0000" />	
</Structure>	
<Structure Qty="0004" >	
<LongUnsigned Value="0003" />	
<OctetString Value="0100020801FF" />	
<Integer Value="02" />	
<LongUnsigned Value="0000" />	
</Structure>	
<Structure Qty="0004" >	
<LongUnsigned Value="0003" />	
<OctetString Value="0100020802FF" />	
<Integer Value="02" />	
<LongUnsigned Value="0000" />	
</Structure>	
</Array>	
</Data>	
(4) .capture_period	PASSED
<Data>	
<DoubleLongUnsigned Value="00000000" />	
</Data>	
(5) .sort_method	PASSED
<Data>	
<Enum Value="01" />	
</Data>	
(6) .sort_object	PASSED
<Data>	
<Structure Qty="0004" >	
<LongUnsigned Value="0000" />	
<OctetString Value="000000000000" />	
<Integer Value="00" />	
<LongUnsigned Value="0000" />	
</Structure>	
</Data>	
(7) .entries_in_use	PASSED
<Data>	
<DoubleLongUnsigned Value="0000000D" />	
</Data>	
(8) .profile_entries	PASSED
<Data>	
<DoubleLongUnsigned Value="0000000D" />	
</Data>	
*****	
Test Case 12 : Ext. M - M-Bus Setup LGZ G350, 52 item(s)	
*****	
Mngmt Get M-Bus master port setup 1 0-0:24.6.0.255 (@1566)	
(1) .logical_name	PASSED
<Data>	
<OctetString Value="0000180600FF" />	
</Data>	
(2) .comm_speed	PASSED
<Data>	
<Enum Value="03" />	
</Data>	

Mngmt Get M-Bus master port setup 2 0-1:24.6.0.255 (@1570)	
(3) .logical_name	PASSED
<Data>	
<OctetString Value="0001180600FF" />	
</Data>	
(4) .comm_speed	PASSED
<Data>	
<Enum Value="03" />	
</Data>	
Mngmt Get M-Bus client channel 1 0-1:24.1.0.255 (@1574)	
(5) .logical_name	PASSED
<Data>	
<OctetString Value="0001180100FF" />	
</Data>	
(6) .mbus_port_reference	PASSED
<Data>	
<OctetString Value="0000180600FF" />	
</Data>	
(7) .capture_definition	PASSED
<Data>	
<Array Qty="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="" />	
<OctetString Value="" />	
</Structure>	
<Structure Qty="0002" >	
<OctetString Value="" />	
<OctetString Value="" />	
</Structure>	
</Array>	
</Data>	
(8) .capture_period	PASSED
<Data>	
<DoubleLongUnsigned Value="00000E10" />	
</Data>	
(9) .primary_address	PASSED
<Data>	
<Unsigned Value="01" />	
</Data>	
(10) .identification_number	PASSED
<Data>	
<DoubleLongUnsigned Value="00293809" />	
</Data>	
(11) .manufacturer_id	PASSED
<Data>	
<LongUnsigned Value="19AC" />	
</Data>	
(12) .version	PASSED
<Data>	
<Unsigned Value="02" />	
</Data>	
(13) .device_type	PASSED
<Data>	
<Unsigned Value="03" />	
</Data>	
(14) .access_number	PASSED
<Data>	
<Unsigned Value="EA" />	
</Data>	
(15) .status	PASSED
<Data>	
<Unsigned Value="00" />	
</Data>	
(16) .alarm	PASSED
<Data>	
<Unsigned Value="00" />	
</Data>	
Mngmt Get M-Bus client channel 2 0-2:24.1.0.255 (@1596)	
(17) .logical_name	PASSED
<Data>	
<OctetString Value="0002180100FF" />	
</Data>	
(18) .mbus_port_reference	PASSED
<Data>	
<OctetString Value="0000180600FF" />	
</Data>	
(19) .capture_definition	PASSED
<Data>	
<Array Qty="0004" >	
<Structure Qty="0002" >	
<OctetString Value="\L" />	
<OctetString Value="933A" />	
</Structure>	
<Structure Qty="0002" >	
<OctetString Value="8940" />	
<OctetString Value="FD1A" />	
</Structure>	

	<pre>                 &lt;Structure Qty="0002" &gt;                 &lt;OctetString Value="" /&gt;                 &lt;OctetString Value="" /&gt;                 &lt;/Structure&gt;                 &lt;Structure Qty="0002" &gt;                 &lt;OctetString Value="" /&gt;                 &lt;OctetString Value="" /&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) .primary_address PASSED         &lt;Data&gt;             &lt;Unsigned Value="02" /&gt;         &lt;/Data&gt;     (22) .identification_number PASSED         &lt;Data&gt;             &lt;DoubleLongUnsigned Value="00293810" /&gt;         &lt;/Data&gt;     (23) .manufacturer_id PASSED         &lt;Data&gt;             &lt;LongUnsigned Value="19AC" /&gt;         &lt;/Data&gt;     (24) .version PASSED         &lt;Data&gt;             &lt;Unsigned Value="02" /&gt;         &lt;/Data&gt;     (25) .device_type PASSED         &lt;Data&gt;             &lt;Unsigned Value="03" /&gt;         &lt;/Data&gt;     (26) .access_number PASSED         &lt;Data&gt;             &lt;Unsigned Value="DD" /&gt;         &lt;/Data&gt;     (27) .status PASSED         &lt;Data&gt;             &lt;Unsigned Value="00" /&gt;         &lt;/Data&gt;     (28) .alarm PASSED         &lt;Data&gt;             &lt;Unsigned Value="00" /&gt;         &lt;/Data&gt;  Mngmt Get M-Bus client channel 3 0-3:24.1.0.255 (@1618)     (29) .logical_name PASSED         &lt;Data&gt;             &lt;OctetString Value="0003180100FF" /&gt;         &lt;/Data&gt;     (30) .mbus_port_reference PASSED         &lt;Data&gt;             &lt;OctetString Value="0000180600FF" /&gt;         &lt;/Data&gt;     (31) .capture_definition PASSED         &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="" /&gt;                 &lt;OctetString Value="" /&gt;                 &lt;/Structure&gt;                 &lt;Structure Qty="0002" &gt;                 &lt;OctetString Value="" /&gt;                 &lt;OctetString Value="" /&gt;                 &lt;/Structure&gt;             &lt;/Array&gt;         &lt;/Data&gt;     (32) .capture_period PASSED         &lt;Data&gt;             &lt;DoubleLongUnsigned Value="00000E10" /&gt;         &lt;/Data&gt;     (33) .primary_address PASSED         &lt;Data&gt;             &lt;Unsigned Value="03" /&gt;         &lt;/Data&gt;     (34) .identification_number PASSED         &lt;Data&gt;             &lt;DoubleLongUnsigned Value="00293812" /&gt;         &lt;/Data&gt;     (35) .manufacturer_id PASSED         &lt;Data&gt;             &lt;LongUnsigned Value="19AC" /&gt;         &lt;/Data&gt;     (36) .version PASSED         &lt;Data&gt;             &lt;Unsigned Value="02" /&gt;         &lt;/Data&gt; </pre>
--	--

(37)	.device_type	PASSED
	<Data>	
	<Unsigned Value="03" />	
	</Data>	
(38)	.access_number	PASSED
	<Data>	
	<Unsigned Value="DD" />	
	</Data>	
(39)	.status	PASSED
	<Data>	
	<Unsigned Value="00" />	
	</Data>	
(40)	.alarm	PASSED
	<Data>	
	<Unsigned Value="00" />	
	</Data>	
Mngmt Get M-Bus client channel 4 0-4:24.1.0.255 (@1640)		
(41)	.logical_name	PASSED
	<Data>	
	<OctetString Value="0004180100FF" />	
	</Data>	
(42)	.mbus_port_reference	PASSED
	<Data>	
	<OctetString Value="0000180600FF" />	
	</Data>	
(43)	.capture_definition	PASSED
	<Data>	
	<Array Qty="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="" />	
	<OctetString Value="" />	
	</Structure>	
	<Structure Qty="0002" >	
	<OctetString Value="" />	
	<OctetString Value="" />	
	</Structure>	
	</Array>	
	</Data>	
(44)	.capture_period	PASSED
	<Data>	
	<DoubleLongUnsigned Value="00000E10" />	
	</Data>	
(45)	.primary_address	PASSED
	<Data>	
	<Unsigned Value="04" />	
	</Data>	
(46)	.identification_number	PASSED
	<Data>	
	<DoubleLongUnsigned Value="00293811" />	
	</Data>	
(47)	.manufacturer_id	PASSED
	<Data>	
	<LongUnsigned Value="19AC" />	
	</Data>	
(48)	.version	PASSED
	<Data>	
	<Unsigned Value="02" />	
	</Data>	
(49)	.device_type	PASSED
	<Data>	
	<Unsigned Value="03" />	
	</Data>	
(50)	.access_number	PASSED
	<Data>	
	<Unsigned Value="2A" />	
	</Data>	
(51)	.status	PASSED
	<Data>	
	<Unsigned Value="00" />	
	</Data>	
(52)	.alarm	PASSED
	<Data>	
	<Unsigned Value="00" />	
	</Data>	
*****		
Test Case 13 : Ext. M - M-Bus Results uncorrected Vol. & valve, 40 item(s)		
*****		
Mngmt Get M-Bus Value channel 1, instance 1 0-1:24.2.1.255 (@1662)		
(1)	.logical_name	PASSED
	<Data>	
	<OctetString Value="0001180201FF" />	
	</Data>	
(2)	.value	PASSED
	<Data>	
	<DoubleLongUnsigned Value="00000D40" />	
	</Data>	

(3) .scaler_unit	PASSED
<pre> &lt;Data&gt;   &lt;Structure Qty="0002" &gt;     &lt;Integer Value="FD" /&gt;     &lt;Enum Value="0D" /&gt;   &lt;/Structure&gt; &lt;/Data&gt; </pre>	
(4) .status	PASSED
<pre> &lt;Data&gt;   &lt;Unsigned Value="00" /&gt; &lt;/Data&gt; </pre>	
(5) .capture_time	PASSED
<pre> &lt;Data&gt;   &lt;OctetString Value="07E10705030D3B00FFFF8880" /&gt; &lt;/Data&gt; </pre>	
Mngmt Get M-Bus Value channel 1, instance 2 0-1:24.2.2.255 (@1670)	
(6) .logical_name	PASSED
<pre> &lt;Data&gt;   &lt;OctetString Value="0001180202FF" /&gt; &lt;/Data&gt; </pre>	
(7) .value	PASSED
<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="00000001" /&gt; &lt;/Data&gt; </pre>	
(8) .scaler_unit	PASSED
<pre> &lt;Data&gt;   &lt;Structure Qty="0002" &gt;     &lt;Integer Value="00" /&gt;     &lt;Enum Value="FF" /&gt;   &lt;/Structure&gt; &lt;/Data&gt; </pre>	
(9) .status	PASSED
<pre> &lt;Data&gt;   &lt;Unsigned Value="00" /&gt; &lt;/Data&gt; </pre>	
(10) .capture_time	PASSED
<pre> &lt;Data&gt;   &lt;OctetString Value="07E10705030D3B00FFFF8880" /&gt; &lt;/Data&gt; </pre>	
Mngmt Get M-Bus Value channel 2, instance 1 0-2:24.2.1.255 (@1694)	
(11) .logical_name	PASSED
<pre> &lt;Data&gt;   &lt;OctetString Value="0002180201FF" /&gt; &lt;/Data&gt; </pre>	
(12) .value	PASSED
<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="000009A3" /&gt; &lt;/Data&gt; </pre>	
(13) .scaler_unit	PASSED
<pre> &lt;Data&gt;   &lt;Structure Qty="0002" &gt;     &lt;Integer Value="FD" /&gt;     &lt;Enum Value="0D" /&gt;   &lt;/Structure&gt; &lt;/Data&gt; </pre>	
(14) .status	PASSED
<pre> &lt;Data&gt;   &lt;Unsigned Value="00" /&gt; &lt;/Data&gt; </pre>	
(15) .capture_time	PASSED
<pre> &lt;Data&gt;   &lt;OctetString Value="07E10705030D3B00FFFF8880" /&gt; &lt;/Data&gt; </pre>	
Mngmt Get M-Bus Value channel 2, instance 2 0-2:24.2.2.255 (@1702)	
(16) .logical_name	PASSED
<pre> &lt;Data&gt;   &lt;OctetString Value="0002180202FF" /&gt; &lt;/Data&gt; </pre>	
(17) .value	PASSED
<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="00000001" /&gt; &lt;/Data&gt; </pre>	
(18) .scaler_unit	PASSED
<pre> &lt;Data&gt;   &lt;Structure Qty="0002" &gt;     &lt;Integer Value="00" /&gt;     &lt;Enum Value="FF" /&gt;   &lt;/Structure&gt; &lt;/Data&gt; </pre>	
(19) .status	PASSED
<pre> &lt;Data&gt;   &lt;Unsigned Value="00" /&gt; &lt;/Data&gt; </pre>	
(20) .capture_time	PASSED
<pre> &lt;Data&gt;   &lt;OctetString Value="07E10705030D3B00FFFF8880" /&gt; &lt;/Data&gt; </pre>	
Mngmt Get M-Bus Value channel 3, instance 1 0-3:24.2.1.255 (@1726)	
(21) .logical_name	PASSED
<pre> &lt;Data&gt;   &lt;OctetString Value="0003180201FF" /&gt; &lt;/Data&gt; </pre>	
(22) .value	PASSED

```

    <Data>
    <DoubleLongUnsigned Value="00000CAE" />
    </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="07E10705030D3B01FFFF8880" />
    </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="07E10705030D3B01FFFF8880" />
    </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="000006E7" />
    </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="07E10705030D3B01FFFF8880" />
    </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="07E10705030D3B01FFFF8880" />
    </Data>

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

```





(3) .capture_objects	PASSED
<pre> &lt;Data&gt;   &lt;Array Qty="0006" &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;Structure Qty="0004" &gt;       &lt;LongUnsigned Value="0004" /&gt;       &lt;OctetString Value="0001180202FF" /&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="0001180203FF" /&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="0001180204FF" /&gt;       &lt;Integer Value="02" /&gt;       &lt;LongUnsigned Value="0000" /&gt;     &lt;/Structure&gt;   &lt;/Array&gt; &lt;/Data&gt; </pre>	
(4) .capture_period	PASSED
<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="00000E10" /&gt; &lt;/Data&gt; </pre>	
(5) .sort_method	PASSED
<pre> &lt;Data&gt;   &lt;Enum Value="01" /&gt; &lt;/Data&gt; </pre>	
(6) .sort_object	PASSED
<pre> &lt;Data&gt;   &lt;Structure Qty="0004" &gt;     &lt;LongUnsigned Value="0000" /&gt;     &lt;OctetString Value="000000000000" /&gt;     &lt;Integer Value="00" /&gt;     &lt;LongUnsigned Value="0000" /&gt;   &lt;/Structure&gt; &lt;/Data&gt; </pre>	
(7) .entries_in_use	PASSED
<pre> &lt;Data&gt;   &lt;DoubleLongUnsigned Value="00000007" /&gt; &lt;/Data&gt; </pre>	
(8) .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 2 0-2:24.3.0.255 (@1849)	
(9) .logical_name	PASSED
<pre> &lt;Data&gt;   &lt;OctetString Value="0002180300FF" /&gt; &lt;/Data&gt; </pre>	
(10) .buffer	PASSED
<pre> Earliest date: 05-JUL-2015 15:00:00, latest date: 05-JUL-2017 14:00:00 Middle date: 05-JUL-2017 12:00:00 </pre>	
(11) .capture_objects	PASSED
<pre> &lt;Data&gt;   &lt;Array Qty="0006" &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>	

	<pre>                 &lt;LongUnsigned Value="0004" /&gt;                 &lt;OctetString Value="0002180202FF" /&gt;                 &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="0002180203FF" /&gt;             &lt;Integer Value="02" /&gt;             &lt;LongUnsigned Value="0000" /&gt;         &lt;/Structure&gt;         &lt;Structure Qty="0004" &gt;             &lt;LongUnsigned Value="0004" /&gt;             &lt;OctetString Value="0002180204FF" /&gt;             &lt;Integer Value="02" /&gt;             &lt;LongUnsigned Value="0000" /&gt;         &lt;/Structure&gt;     &lt;/Array&gt; &lt;/Data&gt; (12) .capture_period PASSED     &lt;Data&gt;         &lt;DoubleLongUnsigned Value="00000E10" /&gt;     &lt;/Data&gt; (13) .sort_method PASSED     &lt;Data&gt;         &lt;Enum Value="01" /&gt;     &lt;/Data&gt; (14) .sort_object PASSED     &lt;Data&gt;         &lt;Structure Qty="0004" &gt;             &lt;LongUnsigned Value="0000" /&gt;             &lt;OctetString Value="000000000000" /&gt;             &lt;Integer Value="00" /&gt;             &lt;LongUnsigned Value="0000" /&gt;         &lt;/Structure&gt;     &lt;/Data&gt; (15) .entries_in_use PASSED     &lt;Data&gt;         &lt;DoubleLongUnsigned Value="00000007" /&gt;     &lt;/Data&gt; (16) .profile_entries PASSED     &lt;Data&gt;         &lt;DoubleLongUnsigned Value="000000F0" /&gt;     &lt;/Data&gt; Mngmt Get M-Bus Master Load profile for channel 3 0-3:24.3.0.255 (@1860) (17) .logical_name PASSED     &lt;Data&gt;         &lt;OctetString Value="0003180300FF" /&gt;     &lt;/Data&gt; (18) .buffer PASSED     Earliest date: 05-JUL-2015 15:00:00, latest date: 05-JUL-2017 14:00:00     Middle date: 05-JUL-2017 12:00:00 (19) .capture_objects PASSED     &lt;Data&gt;         &lt;Array Qty="0006" &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;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;Structure Qty="0004" &gt;                 &lt;LongUnsigned Value="0004" /&gt;                 &lt;OctetString Value="0003180202FF" /&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="0003180203FF" /&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="0003180204FF" /&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; </pre>
--	--

	<code>&lt;/Data&gt;</code>	
(21)	<code>.sort_method</code>	PASSED
	<code>&lt;Data&gt;</code>	
	<code>&lt;Enum Value="01" /&gt;</code>	
	<code>&lt;/Data&gt;</code>	
(22)	<code>.sort_object</code>	PASSED
	<code>&lt;Data&gt;</code>	
	<code>&lt;Structure Qty="0004" &gt;</code>	
	<code>&lt;LongUnsigned Value="0000" /&gt;</code>	
	<code>&lt;OctetString Value="000000000000" /&gt;</code>	
	<code>&lt;Integer Value="00" /&gt;</code>	
	<code>&lt;LongUnsigned Value="0000" /&gt;</code>	
	<code>&lt;/Structure&gt;</code>	
	<code>&lt;/Data&gt;</code>	
(23)	<code>.entries_in_use</code>	PASSED
	<code>&lt;Data&gt;</code>	
	<code>&lt;DoubleLongUnsigned Value="00000007" /&gt;</code>	
	<code>&lt;/Data&gt;</code>	
(24)	<code>.profile_entries</code>	PASSED
	<code>&lt;Data&gt;</code>	
	<code>&lt;DoubleLongUnsigned Value="000000F0" /&gt;</code>	
	<code>&lt;/Data&gt;</code>	
Mngmt Get M-Bus Master Load profile for channel 4 0-4:24.3.0.255 (@1871)		
(25)	<code>.logical_name</code>	PASSED
	<code>&lt;Data&gt;</code>	
	<code>&lt;OctetString Value="0004180300FF" /&gt;</code>	
	<code>&lt;/Data&gt;</code>	
(26)	<code>.buffer</code>	PASSED
	<code>Earliest date: 05-JUL-2015 15:00:00, latest date: 05-JUL-2017 14:00:00</code>	
	<code>Middle date: 05-JUL-2017 12:00:00</code>	
(27)	<code>.capture_objects</code>	PASSED
	<code>&lt;Data&gt;</code>	
	<code>&lt;Array Qty="0006" &gt;</code>	
	<code>&lt;Structure Qty="0004" &gt;</code>	
	<code>&lt;LongUnsigned Value="0008" /&gt;</code>	
	<code>&lt;OctetString Value="0000010000FF" /&gt;</code>	
	<code>&lt;Integer Value="02" /&gt;</code>	
	<code>&lt;LongUnsigned Value="0000" /&gt;</code>	
	<code>&lt;/Structure&gt;</code>	
	<code>&lt;Structure Qty="0004" &gt;</code>	
	<code>&lt;LongUnsigned Value="0001" /&gt;</code>	
	<code>&lt;OctetString Value="0004600A03FF" /&gt;</code>	
	<code>&lt;Integer Value="02" /&gt;</code>	
	<code>&lt;LongUnsigned Value="0000" /&gt;</code>	
	<code>&lt;/Structure&gt;</code>	
	<code>&lt;Structure Qty="0004" &gt;</code>	
	<code>&lt;LongUnsigned Value="0004" /&gt;</code>	
	<code>&lt;OctetString Value="0004180201FF" /&gt;</code>	
	<code>&lt;Integer Value="02" /&gt;</code>	
	<code>&lt;LongUnsigned Value="0000" /&gt;</code>	
	<code>&lt;/Structure&gt;</code>	
	<code>&lt;Structure Qty="0004" &gt;</code>	
	<code>&lt;LongUnsigned Value="0004" /&gt;</code>	
	<code>&lt;OctetString Value="0004180202FF" /&gt;</code>	
	<code>&lt;Integer Value="02" /&gt;</code>	
	<code>&lt;LongUnsigned Value="0000" /&gt;</code>	
	<code>&lt;/Structure&gt;</code>	
	<code>&lt;Structure Qty="0004" &gt;</code>	
	<code>&lt;LongUnsigned Value="0004" /&gt;</code>	
	<code>&lt;OctetString Value="0004180203FF" /&gt;</code>	
	<code>&lt;Integer Value="02" /&gt;</code>	
	<code>&lt;LongUnsigned Value="0000" /&gt;</code>	
	<code>&lt;/Structure&gt;</code>	
	<code>&lt;Structure Qty="0004" &gt;</code>	
	<code>&lt;LongUnsigned Value="0004" /&gt;</code>	
	<code>&lt;OctetString Value="0004180204FF" /&gt;</code>	
	<code>&lt;Integer Value="02" /&gt;</code>	
	<code>&lt;LongUnsigned Value="0000" /&gt;</code>	
	<code>&lt;/Structure&gt;</code>	
	<code>&lt;/Array&gt;</code>	
	<code>&lt;/Data&gt;</code>	
(28)	<code>.capture_period</code>	PASSED
	<code>&lt;Data&gt;</code>	
	<code>&lt;DoubleLongUnsigned Value="00000E10" /&gt;</code>	
	<code>&lt;/Data&gt;</code>	
(29)	<code>.sort_method</code>	PASSED
	<code>&lt;Data&gt;</code>	
	<code>&lt;Enum Value="01" /&gt;</code>	
	<code>&lt;/Data&gt;</code>	
(30)	<code>.sort_object</code>	PASSED
	<code>&lt;Data&gt;</code>	
	<code>&lt;Structure Qty="0004" &gt;</code>	
	<code>&lt;LongUnsigned Value="0000" /&gt;</code>	
	<code>&lt;OctetString Value="000000000000" /&gt;</code>	
	<code>&lt;Integer Value="00" /&gt;</code>	
	<code>&lt;LongUnsigned Value="0000" /&gt;</code>	
	<code>&lt;/Structure&gt;</code>	
	<code>&lt;/Data&gt;</code>	
(31)	<code>.entries_in_use</code>	PASSED
	<code>&lt;Data&gt;</code>	
	<code>&lt;DoubleLongUnsigned Value="00000007" /&gt;</code>	
	<code>&lt;/Data&gt;</code>	
(32)	<code>.profile_entries</code>	PASSED
	<code>&lt;Data&gt;</code>	
	<code>&lt;DoubleLongUnsigned Value="000000F0" /&gt;</code>	
	<code>&lt;/Data&gt;</code>	

```

*****
Test Case 16 : Ext. M - M-Bus Control Logs, 40 item(s)
*****

Mngmt Get M-Bus Master Control log object 1 0-1:24.5.0.255 (@1941)
(1) .logical_name PASSED
    <Data>
    <OctetString Value="0001180500FF" />
    </Data>
(2) .buffer PASSED
    Earliest date: 02-JUL-2017 16:04:27, latest date: 03-JUL-2017 12:09:53
    Middle date: 03-JUL-2017 05:14:45
(3) .capture_objects PASSED
    <Data>
    <Array Qty="0002" >
    <Structure Qty="0004" >
    <LongUnsigned Value="0008" />
    <OctetString Value="0000010000FF" />
    <Integer Value="02" />
    <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0004" >
    <LongUnsigned Value="0001" />
    <OctetString Value="0001600B04FF" />
    <Integer Value="02" />
    <LongUnsigned Value="0000" />
    </Structure>
    </Array>
    </Data>
(4) .capture_period PASSED
    <Data>
    <DoubleLongUnsigned Value="00000000" />
    </Data>
(5) .sort_method PASSED
    <Data>
    <Enum Value="01" />
    </Data>
(6) .sort_object PASSED
    <Data>
    <Structure Qty="0004" >
    <LongUnsigned Value="0000" />
    <OctetString Value="000000000000" />
    <Integer Value="00" />
    <LongUnsigned Value="0000" />
    </Structure>
    </Data>
(7) .entries_in_use PASSED
    <Data>
    <DoubleLongUnsigned Value="00000005" />
    </Data>
(8) .profile_entries PASSED
    <Data>
    <DoubleLongUnsigned Value="00000078" />
    </Data>

Mngmt Get M-Bus Master Control log object 2 0-2:24.5.0.255 (@1952)
(9) .logical_name PASSED
    <Data>
    <OctetString Value="0002180500FF" />
    </Data>
(10) .buffer PASSED
    Earliest date: 02-JUL-2017 16:59:41, latest date: 03-JUL-2017 14:10:44
    Middle date: 03-JUL-2017 05:18:03
(11) .capture_objects PASSED
    <Data>
    <Array Qty="0002" >
    <Structure Qty="0004" >
    <LongUnsigned Value="0008" />
    <OctetString Value="0000010000FF" />
    <Integer Value="02" />
    <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0004" >
    <LongUnsigned Value="0001" />
    <OctetString Value="0002600B04FF" />
    <Integer Value="02" />
    <LongUnsigned Value="0000" />
    </Structure>
    </Array>
    </Data>
(12) .capture_period PASSED
    <Data>
    <DoubleLongUnsigned Value="00000000" />
    </Data>
(13) .sort_method PASSED
    <Data>
    <Enum Value="01" />
    </Data>
(14) .sort_object PASSED
    <Data>
    <Structure Qty="0004" >
    <LongUnsigned Value="0000" />
    <OctetString Value="000000000000" />
    <Integer Value="00" />
    <LongUnsigned Value="0000" />
    </Structure>
    </Data>

```



```

        <LongUnsigned Value="0000" />
        <OctetString Value="000000000000" />
        <Integer Value="00" />
        <LongUnsigned Value="0000" />
    </Structure>
</Data>
(31) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="00000005" />
    </Data>
(32) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="00000078" />
    </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: 02-JUL-2017 19:10:21, latest date: 05-JUL-2017 13:32:01
    Middle date: 04-JUL-2017 14:42:31
(35) .capture_objects PASSED
    <Data>
        <Array Qty="0002" >
            <Structure Qty="0004" >
                <LongUnsigned Value="0008" />
                <OctetString Value="0000010000FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0001" />
                <OctetString Value="0000600B03FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
        </Array>
    </Data>
(36) .capture_period PASSED
    <Data>
        <DoubleLongUnsigned Value="00000000" />
    </Data>
(37) .sort_method PASSED
    <Data>
        <Enum Value="01" />
    </Data>
(38) .sort_object PASSED
    <Data>
        <Structure Qty="0004" >
            <LongUnsigned Value="0000" />
            <OctetString Value="000000000000" />
            <Integer Value="00" />
            <LongUnsigned Value="0000" />
        </Structure>
    </Data>
(39) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="00000059" />
    </Data>
(40) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="00000078" />
    </Data>

*****
Test Case 17 : Ext. M - M-Bus Disconnect, 22 item(s)
*****

Mngmt Get M-Bus Master Disconnect control object 1 0-1:24.4.0.255 (@1882)
(1) .logical_name PASSED
    <Data>
        <OctetString Value="0001180400FF" />
    </Data>
(2) .output_state PASSED
    <Data>
        <Boolean Value="00" />
    </Data>
(3) .control_state PASSED
    <Data>
        <Enum Value="00" />
    </Data>
(4) .control_mode PASSED
    <Data>
        <Enum Value="03" />
    </Data>

Mngmt Get M-Bus Master Disconnect control object 2 0-2:24.4.0.255 (@1890)
(5) .logical_name PASSED
    <Data>
        <OctetString Value="0002180400FF" />
    </Data>
(6) .output_state PASSED
    <Data>
        <Boolean Value="00" />
    </Data>

```

(7) .control_state	PASSED
<Data>	
<Enum Value="00" />	
</Data>	
(8) .control_mode	PASSED
<Data>	
<Enum Value="03" />	
</Data>	
Mngmt Get M-Bus Master Disconnect control object 3 0-3:24.4.0.255 (@1898)	
(9) .logical_name	PASSED
<Data>	
<OctetString Value="0003180400FF" />	
</Data>	
(10) .output_state	PASSED
<Data>	
<Boolean Value="00" />	
</Data>	
(11) .control_state	PASSED
<Data>	
<Enum Value="00" />	
</Data>	
(12) .control_mode	PASSED
<Data>	
<Enum Value="03" />	
</Data>	
Mngmt Get M-Bus Master Disconnect control object 4 0-4:24.4.0.255 (@1906)	
(13) .logical_name	PASSED
<Data>	
<OctetString Value="0004180400FF" />	
</Data>	
(14) .output_state	PASSED
<Data>	
<Boolean Value="00" />	
</Data>	
(15) .control_state	PASSED
<Data>	
<Enum Value="00" />	
</Data>	
(16) .control_mode	PASSED
<Data>	
<Enum Value="03" />	
</Data>	
Mngmt Get M-Bus Disconnect control scheduler 0-1:15.0.1.255 (@1914)	
(17) .logical_name	PASSED
<Data>	
<OctetString Value="00010F0001FF" />	
</Data>	
(18) .executed_script	PASSED
<Data>	
<Structure Qty="0002" >	
<OctetString Value="00010A006AFF" />	
<LongUnsigned Value="0001" />	
</Structure>	
</Data>	
(19) .type	PASSED
<Data>	
<Enum Value="01" />	
</Data>	
(20) .execution_time	PASSED
<Data>	
<Array Qty="0001" >	
<Structure Qty="0002" >	
<OctetString Value="FFFFFFFF" />	
<OctetString Value="FFFFFFFF" />	
</Structure>	
</Array>	
</Data>	
Mngmt Get M-Bus Disconnect script table 0-1:10.0.106.255 (@1920)	
(21) .logical_name	PASSED
<Data>	
<OctetString Value="00010A006AFF" />	
</Data>	
(22) .scripts	PASSED
<Data>	
<Array Qty="0010" >	
<Structure Qty="0002" >	
<LongUnsigned Value="0001" />	
<Array Qty="0001" >	
<Structure Qty="0005" >	
<Enum Value="01" />	
<LongUnsigned Value="0046" />	
<OctetString Value="0001180400FF" />	
<Integer Value="03" />	
<Enum Value="02" />	
</Structure>	
</Array>	
</Structure>	
<Structure Qty="0002" >	
<LongUnsigned Value="0002" />	
<Array Qty="0001" >	
<Structure Qty="0005" >	
<Enum Value="01" />	
<LongUnsigned Value="0046" />	

```

        <OctetString Value="0001180400FF" />
        <Integer Value="03" />
        <Enum Value="01" />
    </Structure>
</Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0003" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="01" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0002180400FF" />
            <Integer Value="03" />
            <Enum Value="02" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0004" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="01" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0002180400FF" />
            <Integer Value="03" />
            <Enum Value="01" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0005" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="01" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0003180400FF" />
            <Integer Value="03" />
            <Enum Value="02" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0006" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="01" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0003180400FF" />
            <Integer Value="03" />
            <Enum Value="01" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0007" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="01" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0004180400FF" />
            <Integer Value="03" />
            <Enum Value="02" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0008" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="01" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0004180400FF" />
            <Integer Value="03" />
            <Enum Value="01" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0009" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="02" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0001180400FF" />
            <Integer Value="01" />
            <Integer Value="00" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="000A" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="02" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0001180400FF" />

```



```

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

*****
Test Case 18 : FIT 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                                                 INAPPLICABLE
    Push setup on power down not available

*****
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: IDIS Package 2
// iCTT2
// Last update: 2016 10 05

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

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

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

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

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

    Type = '\T210-D' //14851579

    // The serial number of the DUT is pa part of its system title.
    SerialNr = 20000008

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

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

    ConsumerInformationPush = FALSE
}

// Mandatory 'ObjectMode' structure
// *****
// It defines the variant of the object model that the iCTT uses for testing.
ObjectModel = {
    // Optional objects implemented
    OptionalObjects = '\
+ '1-0:0.9.1.255|1,' // Local Time (@86)
+ '1-0:0.9.2.255|1,' // Local Date (@90)
+ '0-2:96.3.10.255|70,' // Load Mgmt - Relay control 2 (@217)
+ '1-1:0.2.0.255|1,' // Active firmware identifier 1 (@420)
+ '1-1:0.2.8.255|1,' // Active firmware signature 1 (@424)
+ '1-2:0.2.0.255|1,' // Active firmware identifier 2 (@428)
+ '1-2:0.2.8.255|1,' // Active firmware signature 2 (@432)
+ '1-0:9.8.0.255|3,' // Apparent energy import (+VA) (QI+QIV) (@497)
+ '1-0:10.8.0.255|3,' // Apparent energy export (-VA) (QII+QIII) (@503)
+ '1-0:5.8.1.255|3,' // Reactive energy (QI) rate 1 (@606)
+ '1-0:5.8.2.255|3,' // Reactive energy (QI) rate 2 (@612)
+ '1-0:5.8.3.255|3,' // Reactive energy (QI) rate 3 (@618)
+ '1-0:5.8.4.255|3,' // Reactive energy (QI) rate 4 (@624)
+ '1-0:6.8.1.255|3,' // Reactive energy (QII) rate 1 (@630)
+ '1-0:6.8.2.255|3,' // Reactive energy (QII) rate 2 (@636)
+ '1-0:6.8.3.255|3,' // Reactive energy (QII) rate 3 (@642)
+ '1-0:6.8.4.255|3,' // Reactive energy (QII) rate 4 (@648)
+ '1-0:7.8.1.255|3,' // Reactive energy (QIII) rate 1 (@654)
+ '1-0:7.8.2.255|3,' // Reactive energy (QIII) rate 2 (@660)
+ '1-0:7.8.3.255|3,' // Reactive energy (QIII) rate 3 (@666)
+ '1-0:7.8.4.255|3,' // Reactive energy (QIII) rate 4 (@672)
+ '1-0:8.8.1.255|3,' // Reactive energy (QIV) rate 1 (@678)
+ '1-0:8.8.2.255|3,' // Reactive energy (QIV) rate 2 (@684)
+ '1-0:8.8.3.255|3,' // Reactive energy (QIV) rate 3 (@690)
+ '1-0:8.8.4.255|3,' // Reactive energy (QIV) rate 4 (@696)
+ '1-0:9.4.0.255|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)
+ '1-0:10.6.0.255|4,' // Maximum Demand Register 26 - Apparent energy export (-VA) (@1101)
+ '1-0:14.7.0.255|3,' // Instantaneous net frequency; any phase (@1450)
+ '1-0:9.7.0.255|3,' // Instantaneous apparent import power (+VA) (@1486)
+ '1-0:10.7.0.255|3,' // Instantaneous apparent export power (-VA) (@1492)
+ '1-0:13.7.0.255|3,' // Instantaneous Power factor (+A/+VA) (@1537)
+ '1-0:13.3.0.255|4,' // Minimum Power factor (+A/+VA) (@1551)
+ '0-1:24.6.0.255|74' // M-Bus master port setup 2 (@1570)

```

```

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

InstanceExtraInfo = {
  // Set clock to Current day at 13:30 am
  LogicalName = '0-0:1.0.0.255'
  ClassId = 8
  AttributeExtraInfo = {
    AttributeId = 2
    SetData = '\<Data><OctetString Value="07DF0705FF0F0000FF8000FF" /></Data>'
  }
}

InstanceExtraInfo = {
  // Set special days to 30 entries
  LogicalName = '0-0:11.0.0.255'
  ClassId = 11
  AttributeExtraInfo = {
    AttributeId = 2
    SetData = '\<Data>'
+   <Array Qty="1E" >'
+   <Structure Qty="03" >'
+   <LongUnsigned Value="0001" />'
+   <OctetString Value="FFFF0101FF" />'
+   <Unsigned Value="02" />'
+   </Structure>'
+   <Structure Qty="03" >'
+   <LongUnsigned Value="0001" />'
+   <OctetString Value="FFFF0102FF" />'
+   <Unsigned Value="02" />'
+   </Structure>'
+   <Structure Qty="03" >'
+   <LongUnsigned Value="0001" />'
+   <OctetString Value="FFFF0103FF" />'
+   <Unsigned Value="02" />'
+   </Structure>'
+   <Structure Qty="03" >'
+   <LongUnsigned Value="0001" />'
+   <OctetString Value="FFFF0104FF" />'
+   <Unsigned Value="02" />'
+   </Structure>'
+   <Structure Qty="03" >'
+   <LongUnsigned Value="0001" />'
+   <OctetString Value="FFFF0105FF" />'
+   <Unsigned Value="02" />'
+   </Structure>'
+   <Structure Qty="03" >'
+   <LongUnsigned Value="0001" />'
+   <OctetString Value="FFFF0106FF" />'
+   <Unsigned Value="02" />'
+   </Structure>'
+   <Structure Qty="03" >'
+   <LongUnsigned Value="0001" />'
+   <OctetString Value="FFFF0107FF" />'
+   <Unsigned Value="02" />'
+   </Structure>'
+   <Structure Qty="03" >'
+   <LongUnsigned Value="0001" />'
+   <OctetString Value="FFFF0108FF" />'
+   <Unsigned Value="02" />'
+   </Structure>'
+   <Structure Qty="03" >'
+   <LongUnsigned Value="0001" />'
+   <OctetString Value="FFFF0109FF" />'
+   <Unsigned Value="02" />'
+   </Structure>'
+   <Structure Qty="03" >'

```



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

// Mandatory 'TestParameters' structure
// *****
// Defines miscellaneous values used during the test
TestParameters = {
  // Optional delay (in ms) after executing the DisconnectControl (class 70)
  // connect and disconnect actions performed directly or via a script table.
  ConnectDisconnectDelay = 5000

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

  // Mandatory structure for the ImageTransfer
  ImageTransfer = {
    // Image identifier as passed to the image_transfer_initiate method
    ImageIdentifier = '00'
    // Filename of the image to transfer. If no filepath is given, then the file
    // is supposed to be in the same directory as the CTI file

    ImageFileName = '\IDIS-T210D-app-01.13-0x2C65D735-17149.15.36.dat' //the image file to be located in the CTI
is!
    // Time (in ms) that the iCTT loops reading the image_transfer status waiting for changes
    Timeout = 255000 //in milliseconds
  }

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

  // (Optional) Minimal Inter WPDU frames delay, is the minimal delay (in ms) between two WPDU frames sent by the
  // wrapper layer.
  // is null if not specified
  MinInterWPDUFramesDelay = 1500

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

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

  // (Optional) Duration (in ms) of the clip call from return of ATDT to ATH (defaults to 12000)
  ClipCallDuration = 15000

  // (Optional) Some AutoConnect attributes
  AutoConnect = {
    Repetitions = 0
    RepetitionDelay = 0
  }

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

  // (optional) Delay (in ms) to wait before performing a wake-up, default = 10000
  WakeUpDelay = 40000

  // (optional) Delay in ms to wait between a disconnection and the sending of a SMS, default = 0
  //DisconnectToSendSMSDelay = 60000
  DisconnectToSendSMSDelay = 0

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

TestOptions = {
  // Miscellaneous = [2, 3] // 2 controls the AARQ and 3 the RLRQ
  MBusChannelsTested = 1

  //PushDestination = "\182.73.107.19:4059"
```

```

// (Optional) When set, it overrides the DUT number specified in settings
DUTTelNr = '\+31658021896'

// (Optional) When set it overrides the DUT IP address specified in settings
DUTIPAddress = "\5.172.221.18"

}

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

RemoteSecurityElements = {

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

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

  PreEstablished = {
    Policy = AUTHENTICATION_AND_ENCRYPTION//NO_SECURITY //AUTHENTICATION_AND_ENCRYPTION
    ServerMaxReceivePduSize = 512
    CipheringStyle = GENERAL
  }
}

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

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

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

  Management = {
    ContextName = LONG_NAMES
    MechanismName = LOW_LEVEL_SECURITY
    Policy = NO SECURITY
    Password = '\12345678'
  }

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

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

  PhysicalLayer = {
    OpeningMode = DIRECT_HDLC
    HdlcBaud = 9600
  }

  DataLinkLayer = {
    InactivityTimeout = 120000
    InterFrameTimeout = 100
    ResponseTimeout = 4000
    DISCToNDMTIMEout = 4000
    AddressingSchemes = [TWO_BYTES_ADDRESSING]
    ServerLowerMACAddress = 0x10
  }

  // (Optional) Delay (ms) after sending an UI frame, default 0
  UIFrameDelay = 200
  // (optional) UI frames info field length, default 128

```

```
UIFrameLength = 126
}

TCPProfile = {
  ServerTCPPort = 4059
  ResponseTimeout = 30000
  ConnectTimeout = 120000
  DisconnectToConnectDelay = 10000
}

// 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:       5341476751312D08
Run number:              428
```