

Final Interoperability Test Report

FIT #: **35**
 Date: 06.02.2019
 Location: DNV-GL, Arnhem, Netherlands
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APPLICANT

Company: Elster Solutions GmbH

Address: Steinern Strasse 19-21, 55252 Mainz-Kastel, Germany

DEVICE		
Device type	AS3000 + AM540 PLC Communication Module	
<i>Type indication on MID certificate</i>		<i>MID Certificate No.</i>
AS3000		NMi T10449R9
<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	498	0EED6FD94E2DC07EAB73E2675711F02F
<i>First certification</i>	<i>IDIS Label</i>	<i>Modular device</i>
<input checked="" type="checkbox"/>	0050	<input checked="" type="checkbox"/>
<i>General information about the device</i>		

FIRMWARE VERSIONS TESTED				<i>Final Interoperability Test No. 35</i>
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	Verdict
1	563033413034002E3030	AM54006.01.01.09	V070807.06	Passed

 Honeywell

 Iskraemeco d.d.

 Itron

 Landis+Gyr AG

Fit #35

Device: AS3000 + AM540 PLC Communication
Module

DNV-GL, Arnhem, Netherlands, 06.02.2019

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FIRMWARE VERSIONS HISTORY				Final Integration Test	
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	No.	Verdict
1	563033413034002E3030	AM54006.01.01.09	V070807.06	35	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	Not applicable	
M-Bus Results	Not applicable	
M-Bus Devices IDs	Not applicable	
M-Bus profiles	Not applicable	
M-Bus Load profiles	Not applicable	
M-Bus control logs	Not applicable	
M-Bus Disconnect log	Not applicable	
FIT Push	Passed	
FIT Miscellaneous	Passed	
Optical Port Connectivity	Passed	
Consumer Information Interface	Not applicable	
FIT Conformance Test Report		
<pre> ***** ***** IDIS Conformance test report 06-FEB-2019 09:32:40 iCTT2 Package 2, Edition 2.0, Revision 1 (134) Licensed to: KEMA-IDIS Cert. Tester: Bas Roelofsen ***** ***** * Identification * ***** Manufacturer = { Name = '\Elster Solutions GmbH' ThreeLettersId = '\ELS' } DeviceUnderTest = { Type = '\AS3000 with AM540 PLC Communication Module' IDISDeviceType = 103 IDISFunctionType = [EXTENSION_D, EXTENSION_L] SerialNr = 20205013 IPVersion = IPV6 DataLinkLayer = G3 ConsumerInformationPush = FALSE EUI64Address = '020000FFFE000000' } Active firmware identifier (1-0:0.2.0.255) = 563033413034002E3030 Active firmware identifier 1 (1-1:0.2.0.255) = \AM54006.01.01.09 Active firmware identifier 2 (1-2:0.2.0.255) = \V070807.06 ***** * Summary * ***** PASSED 70 FAILED 0 DISABLED 0 </pre>		

INAPPLICABLE	203	
INCONCLUSIVE	0	
FATAL	0	
TOTAL	273	

Test Case 1 : Connect and release, 4 item(s)		

(1) Connect Public		PASSED
(2) Release Public		PASSED
(3) Connect Management		PASSED
(4) Release Management		PASSED

Test Case 2 : Read Device IDs, 12 item(s)		

Mngmt Get Device ID 1, manufacturing number 0-0:96.1.0.255 (@46)		
(1) .logical_name		PASSED
<Data>		
<OctetString Value="0000600100FF" />		
</Data>		
(2) .value		PASSED
<Data>		
<OctetString Value="\20205013" />		
</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="\ELS1030320205013" />	
</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="\ELS1030320205013" />	
</Structure>	
</Array>	
</Data>	

Test Case 5 : Read Active FW Version, 12 item(s)	

Mngmt Get Active firmware identifier 1-0:0.2.0.255 (@412)	
(1) .logical_name	PASSED
<Data>	
<OctetString Value="0100000200FF" />	
</Data>	
(2) .value	PASSED
<Data>	
<OctetString Value="563033413034002E3030" />	
</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="F129" />	
</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="\AM54006.01.01.09" />	
</Data>	

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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="89A6C133" />
    </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="\V070807.06" />
    </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="00000000" />
    </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="07E30206030A0000FF8000FF" />
    </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="07E30206030A000100FFC400" />
    </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>
      </Array>
    </Data>

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```

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

```

```

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

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Mngmt Get Special Days Table 0-0:11.0.0.255 (@125)
(1) .entries
  <Data>
    <Array Qty="000F" >

```

PASSED

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<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" />

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        <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: 17-JAN-2018 08:19:20, latest date: 04-FEB-2019 12:25:39
    Middle date: 01-FEB-2019 12:25:00
(3) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="00000023" />
    </Data>
(4) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="00000032" />
    </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: 17-JAN-2018 07:54:56, latest date: 25-OCT-2020 03:15:12
    Middle date: 17-JAN-2018 07:54:56
(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: 17-JAN-2018 08:17:52, latest date: 31-JAN-2019 07:33:03
    Middle date: 31-JAN-2019 07:33:03
(11) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="00000015" />
    </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: 17-JAN-2018 08:16:49, latest date: 27-JUN-2019 07:40:13
    Middle date: 31-JAN-2019 07:38:06
(15) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="00000064" />

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    </Data>
(16) .profile_entries PASSED
    <Data>
      <DoubleLongUnsigned Value="00000064" />
    </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: 30-JAN-2019 15:03:28, latest date: 31-JAN-2019 07:38:08
    Middle date: 31-JAN-2019 07:36:16
(19) .entries_in_use PASSED
    <Data>
      <DoubleLongUnsigned Value="00000007" />
    </Data>
(20) .profile_entries PASSED
    <Data>
      <DoubleLongUnsigned Value="00000064" />
    </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-FEB-2018 00:00:00, latest date: 01-NOV-2020 00:00:00
    Middle date: 01-FEB-2018 00:00:00
(3) .capture_objects PASSED
    <Data>
      <Array Qty="0005" >
        <Structure Qty="0004" >
          <LongUnsigned Value="0008" />
          <OctetString Value="0000010000FF" />
          <Integer Value="02" />
          <LongUnsigned Value="0000" />
        </Structure>
        <Structure Qty="0004" >
          <LongUnsigned Value="0003" />
          <OctetString Value="0100010801FF" />
          <Integer Value="02" />
          <LongUnsigned Value="0000" />
        </Structure>
        <Structure Qty="0004" >
          <LongUnsigned Value="0003" />
          <OctetString Value="0100010802FF" />
          <Integer Value="02" />
          <LongUnsigned Value="0000" />
        </Structure>
        <Structure Qty="0004" >
          <LongUnsigned Value="0003" />
          <OctetString Value="0100020801FF" />
          <Integer Value="02" />
          <LongUnsigned Value="0000" />
        </Structure>
        <Structure Qty="0004" >
          <LongUnsigned Value="0003" />
          <OctetString Value="0100020802FF" />
          <Integer Value="02" />
          <LongUnsigned Value="0000" />
        </Structure>
      </Array>
    </Data>
(4) .capture_period PASSED
    <Data>

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        <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="0000001A" />
    </Data>
(8) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="00000054" />
    </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
INAPPLICABLE
    Object is not required according to OM and/or extensions
(2) .comm_speed
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus master port setup 2 0-1:24.6.0.255 (@1570)
(3) .logical_name
INAPPLICABLE
    Optional object is not implemented
(4) .comm_speed
INAPPLICABLE
    Optional object is not implemented

Mngmt Get M-Bus client channel 1 0-1:24.1.0.255 (@1574)
(5) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(6) .mbus_port_reference
INAPPLICABLE
    Object is not required according to OM and/or extensions
(7) .capture_definition
INAPPLICABLE
    Object is not required according to OM and/or extensions
(8) .capture_period
INAPPLICABLE
    Object is not required according to OM and/or extensions
(9) .primary_address
INAPPLICABLE
    Object is not required according to OM and/or extensions
(10) .identification_number
INAPPLICABLE
    Object is not required according to OM and/or extensions
(11) .manufacturer_id
INAPPLICABLE
    Object is not required according to OM and/or extensions
(12) .version
INAPPLICABLE
    Object is not required according to OM and/or extensions
(13) .device_type
INAPPLICABLE
    Object is not required according to OM and/or extensions
    
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(14) .access_number
INAPPLICABLE
    Object is not required according to OM and/or extensions
(15) .status
INAPPLICABLE
    Object is not required according to OM and/or extensions
(16) .alarm
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus client channel 2 0-2:24.1.0.255 (@1596)
(17) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(18) .mbus_port_reference
INAPPLICABLE
    Object is not required according to OM and/or extensions
(19) .capture_definition
INAPPLICABLE
    Object is not required according to OM and/or extensions
(20) .capture_period
INAPPLICABLE
    Object is not required according to OM and/or extensions
(21) .primary_address
INAPPLICABLE
    Object is not required according to OM and/or extensions
(22) .identification_number
INAPPLICABLE
    Object is not required according to OM and/or extensions
(23) .manufacturer_id
INAPPLICABLE
    Object is not required according to OM and/or extensions
(24) .version
INAPPLICABLE
    Object is not required according to OM and/or extensions
(25) .device_type
INAPPLICABLE
    Object is not required according to OM and/or extensions
(26) .access_number
INAPPLICABLE
    Object is not required according to OM and/or extensions
(27) .status
INAPPLICABLE
    Object is not required according to OM and/or extensions
(28) .alarm
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus client channel 3 0-3:24.1.0.255 (@1618)
(29) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(30) .mbus_port_reference
INAPPLICABLE
    Object is not required according to OM and/or extensions
(31) .capture_definition
INAPPLICABLE
    Object is not required according to OM and/or extensions
(32) .capture_period
INAPPLICABLE
    Object is not required according to OM and/or extensions
(33) .primary_address
INAPPLICABLE
    Object is not required according to OM and/or extensions
(34) .identification_number
INAPPLICABLE
    Object is not required according to OM and/or extensions
(35) .manufacturer_id
INAPPLICABLE
    Object is not required according to OM and/or extensions
(36) .version
INAPPLICABLE

```

```

    Object is not required according to OM and/or extensions
(37) .device_type
INAPPLICABLE
    Object is not required according to OM and/or extensions
(38) .access_number
INAPPLICABLE
    Object is not required according to OM and/or extensions
(39) .status
INAPPLICABLE
    Object is not required according to OM and/or extensions
(40) .alarm
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus client channel 4 0-4:24.1.0.255 (@1640)
(41) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(42) .mbus_port_reference
INAPPLICABLE
    Object is not required according to OM and/or extensions
(43) .capture_definition
INAPPLICABLE
    Object is not required according to OM and/or extensions
(44) .capture_period
INAPPLICABLE
    Object is not required according to OM and/or extensions
(45) .primary_address
INAPPLICABLE
    Object is not required according to OM and/or extensions
(46) .identification_number
INAPPLICABLE
    Object is not required according to OM and/or extensions
(47) .manufacturer_id
INAPPLICABLE
    Object is not required according to OM and/or extensions
(48) .version
INAPPLICABLE
    Object is not required according to OM and/or extensions
(49) .device_type
INAPPLICABLE
    Object is not required according to OM and/or extensions
(50) .access_number
INAPPLICABLE
    Object is not required according to OM and/or extensions
(51) .status
INAPPLICABLE
    Object is not required according to OM and/or extensions
(52) .alarm
INAPPLICABLE
    Object is not required according to OM and/or extensions

*****
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
INAPPLICABLE
    Object is not required according to OM and/or extensions
(2) .value
INAPPLICABLE
    Object is not required according to OM and/or extensions
(3) .scaler_unit
INAPPLICABLE
    Object is not required according to OM and/or extensions
(4) .status
INAPPLICABLE
    Object is not required according to OM and/or extensions
(5) .capture_time
INAPPLICABLE
    Object is not required according to OM and/or extensions

```

```

Mngmt Get M-Bus Value channel 1, instance 2 0-1:24.2.2.255 (@1670)
(6) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(7) .value
INAPPLICABLE
    Object is not required according to OM and/or extensions
(8) .scaler_unit
INAPPLICABLE
    Object is not required according to OM and/or extensions
(9) .status
INAPPLICABLE
    Object is not required according to OM and/or extensions
(10) .capture_time
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus Value channel 2, instance 1 0-2:24.2.1.255 (@1694)
(11) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(12) .value
INAPPLICABLE
    Object is not required according to OM and/or extensions
(13) .scaler_unit
INAPPLICABLE
    Object is not required according to OM and/or extensions
(14) .status
INAPPLICABLE
    Object is not required according to OM and/or extensions
(15) .capture_time
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus Value channel 2, instance 2 0-2:24.2.2.255 (@1702)
(16) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(17) .value
INAPPLICABLE
    Object is not required according to OM and/or extensions
(18) .scaler_unit
INAPPLICABLE
    Object is not required according to OM and/or extensions
(19) .status
INAPPLICABLE
    Object is not required according to OM and/or extensions
(20) .capture_time
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus Value channel 3, instance 1 0-3:24.2.1.255 (@1726)
(21) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(22) .value
INAPPLICABLE
    Object is not required according to OM and/or extensions
(23) .scaler_unit
INAPPLICABLE
    Object is not required according to OM and/or extensions
(24) .status
INAPPLICABLE
    Object is not required according to OM and/or extensions
(25) .capture_time
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus Value channel 3, instance 2 0-3:24.2.2.255 (@1734)
(26) .logical_name
INAPPLICABLE

```

```

    Object is not required according to OM and/or extensions
(27) .value
INAPPLICABLE
    Object is not required according to OM and/or extensions
(28) .scaler_unit
INAPPLICABLE
    Object is not required according to OM and/or extensions
(29) .status
INAPPLICABLE
    Object is not required according to OM and/or extensions
(30) .capture_time
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus Value channel 4, instance 1 0-4:24.2.1.255 (@1758)
(31) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(32) .value
INAPPLICABLE
    Object is not required according to OM and/or extensions
(33) .scaler_unit
INAPPLICABLE
    Object is not required according to OM and/or extensions
(34) .status
INAPPLICABLE
    Object is not required according to OM and/or extensions
(35) .capture_time
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus Value channel 4, instance 2 0-4:24.2.2.255 (@1766)
(36) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(37) .value
INAPPLICABLE
    Object is not required according to OM and/or extensions
(38) .scaler_unit
INAPPLICABLE
    Object is not required according to OM and/or extensions
(39) .status
INAPPLICABLE
    Object is not required according to OM and/or extensions
(40) .capture_time
INAPPLICABLE
    Object is not required according to OM and/or extensions

*****
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
INAPPLICABLE
    Object is not required according to OM and/or extensions
(2) .value
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus Device ID 1 channel 2 0-2:96.1.0.255 (@1794)
(3) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(4) .value
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus Device ID 1 channel 3 0-3:96.1.0.255 (@1798)
(5) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions

```

```

(6) .value
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus Device ID 1 channel 4 0-4:96.1.0.255 (@1802)
(7) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(8) .value
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus Device ID 2 channel 1 0-1:96.1.1.255 (@1806)
(9) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(10) .value
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus Device ID 2 channel 2 0-2:96.1.1.255 (@1810)
(11) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(12) .value
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus Device ID 2 channel 3 0-3:96.1.1.255 (@1814)
(13) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(14) .value
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus Device ID 2 channel 4 0-4:96.1.1.255 (@1818)
(15) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(16) .value
INAPPLICABLE
    Object is not required according to OM and/or extensions

*****
Test Case 15 : Ext. M - M-Bus Load Profiles, 32 item(s)
*****

Mngmt Get M-Bus Master Load profile for channel 1 0-1:24.3.0.255 (@1838)
(1) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(2) .buffer
INAPPLICABLE
    Object is not required according to OM and/or extensions
(3) .capture_objects
INAPPLICABLE
    Object is not required according to OM and/or extensions
(4) .capture_period
INAPPLICABLE
    Object is not required according to OM and/or extensions
(5) .sort_method
INAPPLICABLE
    Object is not required according to OM and/or extensions
(6) .sort_object
INAPPLICABLE
    Object is not required according to OM and/or extensions
(7) .entries_in_use
INAPPLICABLE
    Object is not required according to OM and/or extensions
(8) .profile_entries
INAPPLICABLE

```



```

Object is not required according to OM and/or extensions

Mngmt Get M-Bus Master Load profile for channel 2 0-2:24.3.0.255 (@1849)
(9) .logical_name
INAPPLICABLE
Object is not required according to OM and/or extensions
(10) .buffer
INAPPLICABLE
Object is not required according to OM and/or extensions
(11) .capture_objects
INAPPLICABLE
Object is not required according to OM and/or extensions
(12) .capture_period
INAPPLICABLE
Object is not required according to OM and/or extensions
(13) .sort_method
INAPPLICABLE
Object is not required according to OM and/or extensions
(14) .sort_object
INAPPLICABLE
Object is not required according to OM and/or extensions
(15) .entries_in_use
INAPPLICABLE
Object is not required according to OM and/or extensions
(16) .profile_entries
INAPPLICABLE
Object is not required according to OM and/or extensions

Mngmt Get M-Bus Master Load profile for channel 3 0-3:24.3.0.255 (@1860)
(17) .logical_name
INAPPLICABLE
Object is not required according to OM and/or extensions
(18) .buffer
INAPPLICABLE
Object is not required according to OM and/or extensions
(19) .capture_objects
INAPPLICABLE
Object is not required according to OM and/or extensions
(20) .capture_period
INAPPLICABLE
Object is not required according to OM and/or extensions
(21) .sort_method
INAPPLICABLE
Object is not required according to OM and/or extensions
(22) .sort_object
INAPPLICABLE
Object is not required according to OM and/or extensions
(23) .entries_in_use
INAPPLICABLE
Object is not required according to OM and/or extensions
(24) .profile_entries
INAPPLICABLE
Object is not required according to OM and/or extensions

Mngmt Get M-Bus Master Load profile for channel 4 0-4:24.3.0.255 (@1871)
(25) .logical_name
INAPPLICABLE
Object is not required according to OM and/or extensions
(26) .buffer
INAPPLICABLE
Object is not required according to OM and/or extensions
(27) .capture_objects
INAPPLICABLE
Object is not required according to OM and/or extensions
(28) .capture_period
INAPPLICABLE
Object is not required according to OM and/or extensions
(29) .sort_method
INAPPLICABLE
Object is not required according to OM and/or extensions
(30) .sort_object
INAPPLICABLE

```

```

    Object is not required according to OM and/or extensions
    (31) .entries_in_use
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (32) .profile_entries
INAPPLICABLE
    Object is not required according to OM and/or extensions

*****
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
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (2) .buffer
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (3) .capture_objects
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (4) .capture_period
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (5) .sort_method
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (6) .sort_object
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (7) .entries_in_use
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (8) .profile_entries
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus Master Control log object 2 0-2:24.5.0.255 (@1952)
(9) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (10) .buffer
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (11) .capture_objects
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (12) .capture_period
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (13) .sort_method
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (14) .sort_object
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (15) .entries_in_use
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (16) .profile_entries
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus Master Control log object 3 0-3:24.5.0.255 (@1963)
(17) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (18) .buffer
INAPPLICABLE
    Object is not required according to OM and/or extensions

```

```

(19) .capture_objects
INAPPLICABLE
    Object is not required according to OM and/or extensions
(20) .capture_period
INAPPLICABLE
    Object is not required according to OM and/or extensions
(21) .sort_method
INAPPLICABLE
    Object is not required according to OM and/or extensions
(22) .sort_object
INAPPLICABLE
    Object is not required according to OM and/or extensions
(23) .entries_in_use
INAPPLICABLE
    Object is not required according to OM and/or extensions
(24) .profile_entries
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus Master Control log object 4 0-4:24.5.0.255 (@1974)
(25) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(26) .buffer
INAPPLICABLE
    Object is not required according to OM and/or extensions
(27) .capture_objects
INAPPLICABLE
    Object is not required according to OM and/or extensions
(28) .capture_period
INAPPLICABLE
    Object is not required according to OM and/or extensions
(29) .sort_method
INAPPLICABLE
    Object is not required according to OM and/or extensions
(30) .sort_object
INAPPLICABLE
    Object is not required according to OM and/or extensions
(31) .entries_in_use
INAPPLICABLE
    Object is not required according to OM and/or extensions
(32) .profile_entries
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus Event Log 0-0:99.98.3.255 (@1989)
(33) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(34) .buffer
INAPPLICABLE
    Object is not required according to OM and/or extensions
(35) .capture_objects
INAPPLICABLE
    Object is not required according to OM and/or extensions
(36) .capture_period
INAPPLICABLE
    Object is not required according to OM and/or extensions
(37) .sort_method
INAPPLICABLE
    Object is not required according to OM and/or extensions
(38) .sort_object
INAPPLICABLE
    Object is not required according to OM and/or extensions
(39) .entries_in_use
INAPPLICABLE
    Object is not required according to OM and/or extensions
(40) .profile_entries
INAPPLICABLE
    Object is not required according to OM and/or extensions

*****

```

```

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
INAPPLICABLE
    Object is not required according to OM and/or extensions
(2) .output_state
INAPPLICABLE
    Object is not required according to OM and/or extensions
(3) .control_state
INAPPLICABLE
    Object is not required according to OM and/or extensions
(4) .control_mode
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus Master Disconnect control object 2 0-2:24.4.0.255 (@1890)
(5) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(6) .output_state
INAPPLICABLE
    Object is not required according to OM and/or extensions
(7) .control_state
INAPPLICABLE
    Object is not required according to OM and/or extensions
(8) .control_mode
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus Master Disconnect control object 3 0-3:24.4.0.255 (@1898)
(9) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(10) .output_state
INAPPLICABLE
    Object is not required according to OM and/or extensions
(11) .control_state
INAPPLICABLE
    Object is not required according to OM and/or extensions
(12) .control_mode
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus Master Disconnect control object 4 0-4:24.4.0.255 (@1906)
(13) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(14) .output_state
INAPPLICABLE
    Object is not required according to OM and/or extensions
(15) .control_state
INAPPLICABLE
    Object is not required according to OM and/or extensions
(16) .control_mode
INAPPLICABLE
    Object is not required according to OM and/or extensions

Mngmt Get M-Bus Disconnect control scheduler 0-1:15.0.1.255 (@1914)
(17) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(18) .executed_script
INAPPLICABLE
    Object is not required according to OM and/or extensions
(19) .type
INAPPLICABLE
    Object is not required according to OM and/or extensions
(20) .execution_time
INAPPLICABLE
    Object is not required according to OM and/or extensions

```

```

Mngmt Get M-Bus Disconnecter script table 0-1:10.0.106.255 (@1920)
(21) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(22) .scripts
INAPPLICABLE
    Object is not required according to OM and/or extensions

*****
Test Case 18 : FIT Push, 3 item(s)
*****
(1) Push on installation                                     PASSED
(2) Push on alarm                                           PASSED
(3) Push on power down
INAPPLICABLE
    Push setup on power down not available

*****
Test Case 19 : FIT Miscellaneous, 4 item(s)
*****
(1) 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 Elster Solutions GmbH *
//* Date: 06-02-2019 *
//*****

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

// Mandatory 'Manufacturer' structure
// *****
Manufacturer =
{
    Name = '\Elster Solutions GmbH'
    // The manufacturer's FLAG id is a part of the DUT system title
    ThreeLettersId = '\ELS'
}

// Mandatory 'DeviceUnderTest' structure
// *****
DeviceUnderTest =
{
    // Type is any string that the manufacter provides to identify the type the name
    // or the model of the device
    Type = '\AS3000 with AM540 PLC Communication Module'

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

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

    // The serial number of the DUT, is also part of its system title.
    SerialNr = 20205013

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

```

```

IPVersion = IPv6 // one of IPv4, IPv6

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

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

// EUI64Address (mandatory for G3-PLC profile)
EUI64Address = "020000FFFE000000"

}

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

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

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

ObjectModel =
{

OptionalObjects = '\1-0:0.9.1.255, 1-0:0.9.2.255, 1-1:0.2.0.255, 1-1:0.2.8.255,' +
'1-2:0.2.0.255, 1-2:0.2.8.255, 1-0:5.8.1.255, 1-0:5.8.2.255, 1-0:5.8.3.255, 1-0:5.8.4.255,'
+
'1-0:6.8.1.255, 1-0:6.8.2.255, 1-0:6.8.3.255, 1-0:6.8.4.255, 1-0:7.8.1.255, 1-0:7.8.2.255,
1-0:7.8.3.255, 1-0:7.8.4.255,' +
'1-0:8.8.1.255, 1-0:8.8.2.255, 1-0:8.8.3.255, 1-0:8.8.4.255,' +
'1-0:14.7.0.255, 1-0:9.7.0.255, 1-0:10.7.0.255, 1-0:13.7.0.255,' +
'1-0:0.8.2.255,' + '0-2:96.3.10.255'

// An optional list of InstanceExtraInfo can be specified. Each InstanceExtraInfo is used
// to specify optional elements of instances.

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 =
{
// Each instance must be identified by its logical name (in hex or dotted notation)...
LogicalName = '0-0:44.0.0.255'
// ... and by its class id.
ClassId = 18

// An optional Version
// If Version is defined then, when cheking the object-list, the version expected will be
// this value and not the value of the OM.
Version = 0
}

```

```

// An optional list of AttributeExtraInfo can be specified
AttributeExtraInfo =
{
    // The attribute id identifies the attribute
    AttributeId = 2

    // If an access right is specified as optional in the object model like
    // (Get) or (Set), then the effective access right must be specified as
    // a set (possibly empty) of elements GET, SET and ACTION
    //
    AccessRights = [GET,SET]
}

InstanceExtraInfo =
{
    // Each instance must be identified by its logical name (in hex or dotted notation)...
    LogicalName = '0-0:14.0.1.255'
    // ... and by its class id.
    ClassId = 6

    // An optional Version
    // If Version is defined then, when cheking the object-list, the version expected will be
    // this value and not the value of the OM.
    Version = 0

    // An optional list of AttributeExtraInfo can be specified
    AttributeExtraInfo =
    {
        // The attribute id identifies the attribute
        AttributeId = 2

        // If an access right is specified as optional in the object model like
        // (Get) or (Set), then the effective access right must be specified as
        // a set (possibly empty) of elements GET, SET and ACTION
        //
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo =
{
    // Each instance must be identified by its logical name (in hex or dotted notation)...
    LogicalName = '0-0:14.0.2.255'
    // ... and by its class id.
    ClassId = 6

    // An optional Version
    // If Version is defined then, when cheking the object-list, the version expected will be
    // this value and not the value of the OM.
    Version = 0

    // An optional list of AttributeExtraInfo can be specified
    AttributeExtraInfo =
    {
        // The attribute id identifies the attribute
        AttributeId = 2

        // If an access right is specified as optional in the object model like
        // (Get) or (Set), then the effective access right must be specified as
        // a set (possibly empty) of elements GET, SET and ACTION
        //
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo =
{
    // Each instance must be identified by its logical name (in hex or dotted notation)...
    LogicalName = '0-0:99.98.2.255'

```

```

// ... and by its class id.
ClassId = 7

// An optional Version
// If Version is defined then, when cheking the object-list, the version expected will be
// this value and not the value of the OM.
Version = 1

// An optional list of AttributeExtraInfo can be specified
AttributeExtraInfo =
{
  // The attribute id identifies the attribute
  AttributeId = 3

  // If an access right is specified as optional in the object model like
  // (Get) or (Set), then the effective access right must be specified as
  // a set (possibly empty) of elements GET, SET and ACTION
  //
  AccessRights = [GET,SET]
}
}

InstanceExtraInfo =
{
  // Each instance must be identified by its logical name (in hex or dotted notation)...
  LogicalName = '0-1:96.3.10.255'
  // ... and by its class id.
  ClassId = 70

  // An optional Version
  // If Version is defined then, when cheking the object-list, the version expected will be
  // this value and not the value of the OM.
  Version = 0

  // An optional list of AttributeExtraInfo can be specified
  AttributeExtraInfo =
  {
    // The attribute id identifies the attribute
    AttributeId = 4

    // If an access right is specified as optional in the object model like
    // (Get) or (Set), then the effective access right must be specified as
    // a set (possibly empty) of elements GET, SET and ACTION
    //
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo =
{
  // Each instance must be identified by its logical name (in hex or dotted notation)...
  LogicalName = '0-2:96.3.10.255'
  // ... and by its class id.
  ClassId = 70

  // An optional Version
  // If Version is defined then, when cheking the object-list, the version expected will be
  // this value and not the value of the OM.
  Version = 0

  // An optional list of AttributeExtraInfo can be specified
  AttributeExtraInfo =
  {
    // The attribute id identifies the attribute
    AttributeId = 4

    // If an access right is specified as optional in the object model like
    // (Get) or (Set), then the effective access right must be specified as
    // a set (possibly empty) of elements GET, SET and ACTION
    //
    AccessRights = [GET,SET]
  }
}

```



```

}

InstanceExtraInfo =
{
  // Each instance must be identified by its logical name (in hex or dotted notation)...
  LogicalName = '0-0:17.0.0.255'
  // ... and by its class id.
  ClassId = 71

  // An optional Version
  // If Version is defined then, when cheking the object-list, the version expected will be
  // this value and not the value of the OM.
  Version = 0

  // An optional list of AttributeExtraInfo can be specified
  AttributeExtraInfo =
  {
    // The attribute id identifies the attribute
    AttributeId = 11

    // If an access right is specified as optional in the object model like
    // (Get) or (Set), then the effective access right must be specified as
    // a set (possibly empty) of elements GET, SET and ACTION
    //
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo =
{
  // Each instance must be identified by its logical name (in hex or dotted notation)...
  LogicalName = '0-0:99.98.0.255'
  // ... and by its class id.
  ClassId = 7

  // An optional Version
  // If Version is defined then, when cheking the object-list, the version expected will be
  // this value and not the value of the OM.
  Version = 1

  // An optional list of AttributeExtraInfo can be specified
  AttributeExtraInfo =
  {
    // The attribute id identifies the attribute
    AttributeId = 3

    // If an access right is specified as optional in the object model like
    // (Get) or (Set), then the effective access right must be specified as
    // a set (possibly empty) of elements GET, SET and ACTION
    //
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo =
{
  // Each instance must be identified by its logical name (in hex or dotted notation)...
  LogicalName = '0-0:99.98.1.255'
  // ... and by its class id.
  ClassId = 7

  // An optional Version
  // If Version is defined then, when cheking the object-list, the version expected will be
  // this value and not the value of the OM.
  Version = 1

  // An optional list of AttributeExtraInfo can be specified
  AttributeExtraInfo =
  {
    // The attribute id identifies the attribute
    AttributeId = 3
  }
}

```

```

// If an access right is specified as optional in the object model like
// (Get) or (Set), then the effective access right must be specified as
// a set (possibly empty) of elements GET, SET and ACTION
//
AccessRights = [GET,SET]
}
}

InstanceExtraInfo =
{
// Each instance must be identified by its logical name (in hex or dotted notation)...
LogicalName = '0-0:99.98.5.255'
// ... and by its class id.
ClassId = 7

// An optional Version
// If Version is defined then, when cheking the object-list, the version expected will be
// this value and not the value of the OM.
Version = 1

// An optional list of AttributeExtraInfo can be specified
AttributeExtraInfo =
{
// The attribute id identifies the attribute
AttributeId = 3

// If an access right is specified as optional in the object model like
// (Get) or (Set), then the effective access right must be specified as
// a set (possibly empty) of elements GET, SET and ACTION
//
AccessRights = [GET,SET]
}
}

InstanceExtraInfo =
{
// Each instance must be identified by its logical name (in hex or dotted notation)...
LogicalName = '0-0:15.0.2.255'
// ... and by its class id.
ClassId = 22

// An optional Version
// If Version is defined then, when cheking the object-list, the version expected will be
// this value and not the value of the OM.
Version = 0

// An optional list of AttributeExtraInfo can be specified
AttributeExtraInfo =
{
// The attribute id identifies the attribute
AttributeId = 2

// If an access right is specified as optional in the object model like
// (Get) or (Set), then the effective access right must be specified as
// a set (possibly empty) of elements GET, SET and ACTION
//
AccessRights = [GET,SET]
}
}

InstanceExtraInfo =
{
// Each instance must be identified by its logical name (in hex or dotted notation)...
LogicalName = '0-0:10.0.107.255'
// ... and by its class id.
ClassId = 9

// An optional Version
// If Version is defined then, when cheking the object-list, the version expected will be
// this value and not the value of the OM.
Version = 0
}

```

```

// An optional list of AttributeExtraInfo can be specified
AttributeExtraInfo =
{
    // The attribute id identifies the attribute
    AttributeId = 2

    // If an access right is specified as optional in the object model like
    // (Get) or (Set), then the effective access right must be specified as
    // a set (possibly empty) of elements GET, SET and ACTION
    //
    AccessRights = [GET]
}

InstanceExtraInfo =
{
    // Each instance must be identified by its logical name (in hex or dotted notation)...
    LogicalName = '1-0:99.1.0.255'
    // ... and by its class id.
    ClassId = 7

    // An optional Version
    // If Version is defined then, when cheking the object-list, the version expected will be
    // this value and not the value of the OM.
    Version = 1

    // An optional list of AttributeExtraInfo can be specified
    AttributeExtraInfo =
    {
        // The attribute id identifies the attribute
        AttributeId = 8

        // If an access right is specified as optional in the object model like
        // (Get) or (Set), then the effective access right must be specified as
        // a set (possibly empty) of elements GET, SET and ACTION
        //
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo =
{
    // Each instance must be identified by its logical name (in hex or dotted notation)...
    LogicalName = '1-0:99.2.0.255'
    // ... and by its class id.
    ClassId = 7

    // An optional Version
    // If Version is defined then, when cheking the object-list, the version expected will be
    // this value and not the value of the OM.
    Version = 1

    // An optional list of AttributeExtraInfo can be specified
    AttributeExtraInfo =
    {
        // The attribute id identifies the attribute
        AttributeId = 8

        // If an access right is specified as optional in the object model like
        // (Get) or (Set), then the effective access right must be specified as
        // a set (possibly empty) of elements GET, SET and ACTION
        //
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo =
{
    // Each instance must be identified by its logical name (in hex or dotted notation)...
    LogicalName = '1-0:99.97.0.255'
    // ... and by its class id.

```

```

ClassId = 7

// An optional Version
// If Version is defined then, when cheking the object-list, the version expected will be
// this value and not the value of the OM.
Version = 1

// An optional list of AttributeExtraInfo can be specified
AttributeExtraInfo =
{
    // The attribute id identifies the attribute
    AttributeId = 3

    // If an access right is specified as optional in the object model like
    // (Get) or (Set), then the effective access right must be specified as
    // a set (possibly empty) of elements GET, SET and ACTION
    //
    AccessRights = [GET,SET]
}
}

        InstanceExtraInfo =
{
    // Each instance must be identified by its logical name (in hex or dotted notation)...
    LogicalName = '0-0:99.98.4.255'
    // ... and by its class id.
    ClassId = 7

    // An optional Version
    // If Version is defined then, when cheking the object-list, the version expected will be
    // this value and not the value of the OM.
    Version = 1

    // An optional list of AttributeExtraInfo can be specified
    AttributeExtraInfo =
    {
        // The attribute id identifies the attribute
        AttributeId = 3

        // If an access right is specified as optional in the object model like
        // (Get) or (Set), then the effective access right must be specified as
        // a set (possibly empty) of elements GET, SET and ACTION
        //
        AccessRights = [GET,SET]
    }
}

        InstanceExtraInfo =
{
    // Each instance must be identified by its logical name (in hex or dotted notation)...
    LogicalName = '0-0:10.0.108.255'
    // ... and by its class id.
    ClassId = 9

    // An optional Version
    // If Version is defined then, when cheking the object-list, the version expected will be
    // this value and not the value of the OM.
    Version = 0

    // An optional list of AttributeExtraInfo can be specified
    AttributeExtraInfo =
    {
        // The attribute id identifies the attribute
        AttributeId = 2

        // If an access right is specified as optional in the object model like
        // (Get) or (Set), then the effective access right must be specified as
        // a set (possibly empty) of elements GET, SET and ACTION
        //
        AccessRights = [GET,SET]
    }
}
}

```

```

        InstanceExtraInfo =
    {
        // Each instance must be identified by its logical name (in hex or dotted notation)...
        LogicalName = '0-1:15.0.4.255'
        // ... and by its class id.
        ClassId = 22

        // An optional Version
        // If Version is defined then, when cheking the object-list, the version expected will be
        // this value and not the value of the OM.
        Version = 0

        // An optional list of AttributeExtraInfo can be specified
        AttributeExtraInfo =
        {
            // The attribute id identifies the attribute
            AttributeId = 2

            // If an access right is specified as optional in the object model like
            // (Get) or (Set), then the effective access right must be specified as
            // a set (possibly empty) of elements GET, SET and ACTION
            //
            AccessRights = [GET,SET]
        }
    }

        InstanceExtraInfo =
    {
        // Each instance must be identified by its logical name (in hex or dotted notation)...
        LogicalName = '0-2:15.0.4.255'
        // ... and by its class id.
        ClassId = 22

        // An optional Version
        // If Version is defined then, when cheking the object-list, the version expected will be
        // this value and not the value of the OM.
        Version = 0

        // An optional list of AttributeExtraInfo can be specified
        AttributeExtraInfo =
        {
            // The attribute id identifies the attribute
            AttributeId = 2

            // If an access right is specified as optional in the object model like
            // (Get) or (Set), then the effective access right must be specified as
            // a set (possibly empty) of elements GET, SET and ACTION
            //
            AccessRights = [GET,SET]
        }
    }

        InstanceExtraInfo =
    {
        // Each instance must be identified by its logical name (in hex or dotted notation)...
        LogicalName = '0-3:15.0.4.255'
        // ... and by its class id.
        ClassId = 22

        // An optional Version
        // If Version is defined then, when cheking the object-list, the version expected will be
        // this value and not the value of the OM.
        Version = 0

        // An optional list of AttributeExtraInfo can be specified
        AttributeExtraInfo =
        {
            // The attribute id identifies the attribute
            AttributeId = 2

            // If an access right is specified as optional in the object model like

```

```

// (Get) or (Set), then the effective access right must be specified as
// a set (possibly empty) of elements GET, SET and ACTION
//
AccessRights = [GET,SET]
}
}

InstanceExtraInfo =
{
// Each instance must be identified by its logical name (in hex or dotted notation)...
LogicalName = '0-0:2.1.0.255'
// ... and by its class id.
ClassId = 29

// An optional Version
// If Version is defined then, when cheking the object-list, the version expected will be
// this value and not the value of the OM.
Version = 2

// An optional list of AttributeExtraInfo can be specified
AttributeExtraInfo =
{
// The attribute id identifies the attribute
AttributeId = 6

// If an access right is specified as optional in the object model like
// (Get) or (Set), then the effective access right must be specified as
// a set (possibly empty) of elements GET, SET and ACTION
//
AccessRights = [GET,SET]
}
}
// OLD FROM HERE

InstanceExtraInfo =
{
// Each instance must be identified by its logical name (in hex or dotted notation)...
LogicalName = '0-0:40.0.0.255'
// ... and by its class id.
ClassId = 15

// An optional Version
// If Version is defined then, when cheking the object-list, the version expected will be
// this value and not the value of the OM.
Version = 1

// An optional list of AttributeExtraInfo can be specified
AttributeExtraInfo =
{
// The attribute id identifies the attribute
AttributeId = 6
// If the attribute is writable, then the data written by the set test can be specified
// using the xml presentation of the data, as a string
// See the help file for the xml of the possible data choices
SetData = '\<Data><OctetString Value = "60857405080201" /></Data>'

// If an access right is specified as optional in the object model like
// (Get) or (Set), then the effective access right must be specified as
// a set (possibly empty) of elements GET, SET and ACTION
//
AccessRights = [GET, SET]
}
AttributeExtraInfo =
{
// The attribute id identifies the attribute
AttributeId = 7
// If the attribute is writable, then the data written by the set test can be specified
// using the xml presentation of the data, as a string
// See the help file for the xml of the possible data choices
SetData = '\<Data><OctetString Value = "60857405080201" /></Data>'

// If an access right is specified as optional in the object model like

```

```

// (Get) or (Set), then the effective access right must be specified as
// a set (possibly empty) of elements GET, SET and ACTION
//
AccessRights = [SET]
}

// An optional list of method extra information can be specified
MethodExtraInfo =
{
// the method id identifies the method
MethodId = 2
// If the method requires parameters other than the default integer(0), then the
// parameter must be specified with ActionData, using the xml presentations:
ActionData = '\<Data><Long Value = "0064" /></Data>'

// If an access right is specified as optional in the object model like
// (Action), then the effective access right must be specified as
// a set (possibly empty) of the single element ACTION
AccessRights = [ACTION]
}
}

// For profiles, an InstanceExtraInfo can be used to specify what selectors are
// available.
InstanceExtraInfo = {LogicalName = "0-0:98.1.0.255" ClassId = 7
// There is an AttributeExtraInfo for attribute 2, with member SelectiveAccessSelectors
// which is a set of elements BY_RANGE and BY_ENTRY
AttributeExtraInfo = {AttributeId = 2 SelectiveAccessSelectors = [BY_RANGE, BY_ENTRY]}
}

InstanceExtraInfo =
{
// Each instance must be identified by its logical name (in hex or dotted notation)...
LogicalName = '0-0:13.0.0.255'
// ... and by its class id.
ClassId = 20

// An optional Version
// If Version is defined then, when cheking the object-list, the version expected will be
// this value and not the value of the OM.
Version = 0

// An optional list of method extra information can be specified
MethodExtraInfo =
{
// the method id identifies the method
MethodId = 1

// If an access right is specified as optional in the object model like
// (Action), then the effective access right must be specified as
// a set (possibly empty) of the single element ACTION
AccessRights = [ACTION]
}
}

InstanceExtraInfo =
{
// Each instance must be identified by its logical name (in hex or dotted notation)...
LogicalName = '0-0:10.0.1.255'
// ... and by its class id.
ClassId = 9

// An optional Version
// If Version is defined then, when cheking the object-list, the version expected will be
// this value and not the value of the OM.
Version = 0

AttributeExtraInfo =
{
// The attribute id identifies the attribute
AttributeId = 2
}
}

```

```

    // If an access right is specified as optional in the object model like
    // (Get) or (Set), then the effective access right must be specified as
    // a set (possibly empty) of elements GET, SET and ACTION
    //
    AccessRights = [GET]
}
}

InstanceExtraInfo =
{
    // Each instance must be identified by its logical name (in hex or dotted notation)...
    LogicalName = '0-0:10.0.100.255'
    // ... and by its class id.
    ClassId = 9

    // An optional Version
    // If Version is defined then, when cheking the object-list, the version expected will be
    // this value and not the value of the OM.
    Version = 0
    // An optional list of method extra information can be specified
    MethodExtraInfo =
    {
        // the method id identifies the method
        MethodId = 1
        // If the method requires parameters other then the default integer(0), then the
        // parameter must be specified with ActionData, using the xml presentations:
        ActionData = '\<Data><LongUnsigned Value = "1" /></Data>'

        // If an access right is specified as optional in the object model like
        // (Action), then the effective access right must be specified as
        // a set (possibly empty) of the single element ACTION
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo =
{
    // Each instance must be identified by its logical name (in hex or dotted notation)...
    LogicalName = '0-0:97.97.0.255'
    // ... and by its class id.
    ClassId = 1

    // An optional Version
    // If Version is defined then, when cheking the object-list, the version expected will be
    // this value and not the value of the OM.
    Version = 0

    // An optional list of AttributeExtraInfo can be specified
    AttributeExtraInfo =
    {
        // The attribute id identifies the attribute
        AttributeId = 2
        // If the attribute is writable, then the data written by the set test can be specified
        // using the xml presentation of the data, as a string
        // See the help file for the xml of the possible data choices
        SetData = '\<Data><DoubleLongUnsigned Value="00000000"/></Data>'

        // If an access right is specified as optional in the object model like
        // (Get) or (Set), then the effective access right must be specified as
        // a set (possibly empty) of elements GET, SET and ACTION
        //
        AccessRights = [GET, SET]
    }
}

InstanceExtraInfo =
{
    // Each instance must be identified by its logical name (in hex or dotted notation)...
    LogicalName = '0-0:97.98.0.255'
    // ... and by its class id.

```



```

ClassId = 1

// An optional Version
// If Version is defined then, when cheking the object-list, the version expected will be
// this value and not the value of the OM.
Version = 0

// An optional list of AttributeExtraInfo can be specified
AttributeExtraInfo =
{
    // The attribute id identifies the attribute
    AttributeId = 2
    // If the attribute is writable, then the data written by the set test can be specified
    // using the xml presentation of the data, as a string
    // See the help file for the xml of the possible data choices
    SetData = '\<Data><DoubleLongUnsigned Value="00000000"/></Data>'

    // If an access right is specified as optional in the object model like
    // (Get) or (Set), then the effective access right must be specified as
    // a set (possibly empty) of elements GET, SET and ACTION
    //
    AccessRights = [GET, SET]
}
}

InstanceExtraInfo =
{
    // Each instance must be identified by its logical name (in hex or dotted notation)...
    LogicalName = '0-0:97.98.1.255'
    // ... and by its class id.
    ClassId = 1

    // An optional Version
    // If Version is defined then, when cheking the object-list, the version expected will be
    // this value and not the value of the OM.
    Version = 0

    // An optional list of AttributeExtraInfo can be specified
    AttributeExtraInfo =
    {
        // The attribute id identifies the attribute
        AttributeId = 2
        // If the attribute is writable, then the data written by the set test can be specified
        // using the xml presentation of the data, as a string
        // See the help file for the xml of the possible data choices
        SetData = '\<Data><DoubleLongUnsigned Value="00000000"/></Data>'

        // If an access right is specified as optional in the object model like
        // (Get) or (Set), then the effective access right must be specified as
        // a set (possibly empty) of elements GET, SET and ACTION
        //
        AccessRights = [GET, SET]
    }
}

InstanceExtraInfo =
{
    // Each instance must be identified by its logical name (in hex or dotted notation)...
    LogicalName = '0-0:29.1.0.255'
    ClassId = 91
    Version = 1

    // An optional list of AttributeExtraInfo can be specified
    AttributeExtraInfo =
    {
        // The attribute id identifies the attribute
        AttributeId = 5
        SetData = '\' +
        '<Data>' +
        ' <Structure Qty = "02">' +
        '   <Unsigned Value = "00" />' +
        '   <OctetString Value = "\000102030405060708090a0b0c0d0e0f"/>' +

```

```

' </Structure>' +
'</Data>'
AccessRights = [SET]
}
}

InstanceExtraInfo =
{
    // special days table
    LogicalName = '0-0:11.0.0.255'
    ClassId = 11
    Version = 0
    AttributeExtraInfo =
    {
        // The attribute id identifies the attribute
        AttributeId = 2
        SetData = '\<Data>'
            +' <Array Qty="0F" >'
            +' <Structure Qty="03" >'
            +' <LongUnsigned Value="0001" />'
            +' <OctetString Value="FFFF0101FF" />'
            +' <Unsigned Value="02" />'
            +' </Structure>'
            +' <Structure Qty="03" >'
            +' <LongUnsigned Value="0001" />'
            +' <OctetString Value="FFFF0102FF" />'
            +' <Unsigned Value="02" />'
            +' </Structure>'
            +' <Structure Qty="03" >'
            +' <LongUnsigned Value="0001" />'
            +' <OctetString Value="FFFF0103FF" />'
            +' <Unsigned Value="02" />'
            +' </Structure>'
            +' <Structure Qty="03" >'
            +' <LongUnsigned Value="0001" />'
            +' <OctetString Value="FFFF0104FF" />'
            +' <Unsigned Value="02" />'
            +' </Structure>'
            +' <Structure Qty="03" >'
            +' <LongUnsigned Value="0001" />'
            +' <OctetString Value="FFFF0105FF" />'
            +' <Unsigned Value="02" />'
            +' </Structure>'
            +' <Structure Qty="03" >'
            +' <LongUnsigned Value="0001" />'
            +' <OctetString Value="FFFF0106FF" />'
            +' <Unsigned Value="02" />'
            +' </Structure>'
            +' <Structure Qty="03" >'
            +' <LongUnsigned Value="0001" />'
            +' <OctetString Value="FFFF0107FF" />'
            +' <Unsigned Value="02" />'
            +' </Structure>'
            +' <Structure Qty="03" >'
            +' <LongUnsigned Value="0001" />'
            +' <OctetString Value="FFFF0108FF" />'
            +' <Unsigned Value="02" />'
            +' </Structure>'
            +' <Structure Qty="03" >'
            +' <LongUnsigned Value="0001" />'
            +' <OctetString Value="FFFF0109FF" />'
            +' <Unsigned Value="02" />'
            +' </Structure>'
            +' <Structure Qty="03" >'
            +' <LongUnsigned Value="0001" />'
            +' <OctetString Value="FFFF010AFF" />'
            +' <Unsigned Value="02" />'
            +' </Structure>'
            +' <Structure Qty="03" >'
            +' <LongUnsigned Value="0001" />'
            +' <OctetString Value="FFFF010BFF" />'

```

```

+ ' <Unsigned Value="02" />'
+ ' </Structure>'
+ ' <Structure Qty="03" >'
+ ' <LongUnsigned Value="0001" />'
+ ' <OctetString Value="FFFF010CFF" />'
+ ' <Unsigned Value="02" />'
+ ' </Structure>'
+ ' <Structure Qty="03" >'
+ ' <LongUnsigned Value="0001" />'
+ ' <OctetString Value="FFFF010DFF" />'
+ ' <Unsigned Value="02" />'
+ ' </Structure>'
+ ' <Structure Qty="03" >'
+ ' <LongUnsigned Value="0001" />'
+ ' <OctetString Value="FFFF010EFF" />'
+ ' <Unsigned Value="02" />'
+ ' </Structure>'
+ ' </Array>'
+ ' </Data>'

    AccessRights = [GET,SET]
}
}

InstanceExtraInfo = {
    // Set clock
    LogicalName = '0-0:1.0.0.255'
    ClassId = 8
    AttributeExtraInfo = {
        AttributeId = 2
        SetData = '\<Data><OctetString Value="07E30206030A0000FF8000FF" /></Data>'
        AccessRights = [GET,SET]
    }
}
}

// 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 = 20000

    // Client system title
    ClientSystemTitle = '58585A0102030405'

    // Structure for the ImageTransfer
    ImageTransfer =
    {
        // Image identifier as passed to the image_transfer_initiate method
        ImageIdentifier = '\AM54006.01.01.09-8b65e8b[M]'
        // 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 = '\AM54006.01.01.09-8b65e8b[M]-
NOMBUS_PKI_meter_wrapped_enc_signed_DNVGL.bin'
        // Time (in ms) that the iCTT loops reading the image_transfer status waiting for changes
        Timeout = 300000
    }

    // Push timeout is the time (in ms) awaited by the iCTT for the DUT to send a
    DataNotification
    PushTimeout = 120000
}

```

```

// (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 = 500

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

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

// (Optional) Duration (in ms) of the clip call from return of ATDT to ATH (defaults to
12000)
ClipCallDuration = 20000

// (Optional) Some AutoConnect attributes
AutoConnect = {
    Repetitions = 2
    RepetitionDelay = 30
}

// (Optional) Some PushSetup attributes
PushSetup = {
    NumberOfRetries = 2
    RepetitionDelay = 30
}

// (optional) Delay (in ms) to wait before performing a wake-up, default = 10000
WakeUpDelay = 30000

// (optional) Delay in ms to wait between a disconnection and the sending of a SMS, default
= 0
DisconnectToSendSMSDelay = 10000

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

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

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

// ContextName: either LONG_NAMES or LONG_NAMES_WITH_CIPHERING

// MechanismName: either LOWEST_LEVEL_SECURITY, LOW_LEVEL_SECURITY or
HIGH_LEVEL_SECURITY_GMAC

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

// Password: if required by the mechanism name.

// For the client ''Preestablished'' the 2 following members are mandatory:

```

```

// ServerMaxReceivePDUSize (integer)
// CipheringStyle (enum), GENERAL or SERVICE

// LocalSecurityElements
// Mandatory, used for the 'local' mode.
LocalSecurityElements =
{
    Public =
    {
        ContextName = LONG_NAMES
        MechanismName = LOWEST_LEVEL_SECURITY
        Policy = NO_SECURITY
    }

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

    PreEstablished =
    {
        Policy = NO_SECURITY
        ServerMaxReceivePDUSize = 1070
        CipheringStyle = GENERAL
    }
}

// RemoteSecurityElements
// Mandatory
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
        //ContextName = LONG_NAMES
        //MechanismName = LOW_LEVEL_SECURITY
        //Policy = NO_SECURITY
        //Password = "\12345678"
        CipheringStyle = GENERAL
    }

    PreEstablished =
    {
        Policy = ENCRYPTION
        ServerMaxReceivePDUSize = 1070
        CipheringStyle = GENERAL
    }
}

// SMS security elements
// Mandatory
SMSSecurityElements = {
    PreEstablished = {
        Policy = AUTHENTICATION_AND_ENCRYPTION//ENCRYPTION//NO_SECURITY
    }
}

```

```

    ServerMaxReceivePDUSize = 138
    CipheringStyle = GENERAL
}
}

// Mandatory parameters of the ''Local'' HDLC Profile
HDLCProfile =
{
    PhysicalLayer =
    {
        OpeningMode = DIRECT_HDLC // or MODE_E
        HdlcBaud = 9600
    }

    DataLinkLayer =
    {
        InactivityTimeout = 120000
        InterFrameTimeout = 100
        ResponseTimeout = 5000
        DISCToNDMTimeout = 2000
        AddressingSchemes = [FOUR_BYTES_ADDRESSING] // TWO_BYTES_ADDRESSING,
FOUR_BYTES_ADDRESSING
        // For TWO and FOUR bytes addressing schemes, we have to specify also a
ServerLowerMACAddress
        ServerLowerMACAddress = 0x11

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

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

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

// Mandatory parameters of the ''Remote'' G3-PLC profile
G3PLCProfile = {
    FrequencyBand = CENELEC_A
    ResponseTimeout = 30000
    UDPPort = 61616
    ConnectTimeout = 10000
    PSK = "00112233445566778899AABBCCDDEEFF"
}

// END CTI_Template

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

TestMode:                G3-PLC
Test Plan Signature:     BFC18D5882976F2087BC007B67CDC246
Object Model:           IDIS-S02-002 - object model Pack2 Ed2.0 - V2.28 (20170428)-FIT MBUS
Tests G350 (CorrectedAndValve status)-2017428.xlsx
DUT system title:       454C536731344DD5
Run number:              284

```