
IDIS Conformance test report
03-JUL-2020 09:48:51
iCTT2 Package 2, Edition 2.0, Revision 1 (134)
Licensed to: KEMA-IDIS Cert.
Tester: Bas Roelofsen

* Identification *

```
Manufacturer = {
  Name = '\Shenzhen Kaifa Technology (Chengdu) Co. Ltd.'
  ThreeLettersId = '\KFM'
}
DeviceUnderTest = {
  Type = '\Ma309MH4LAT1'
  IDISDeviceType = 103
  IDISFunctionType = [EXTENSION_D, EXTENSION_L, EXTENSION_M]
  SerialNr = 50
  IPVersion = IPV6
  DataLinkLayer = G3
  ConsumerInformationPush = FALSE
  EUI64Address = '0080E1FFFE90879C'
}
```

Active firmware identifier (1-0:0.2.0.255) = \105202
Active firmware identifier 1 (1-1:0.2.0.255) = \115207

* Summary *

PASSED	266
FAILED	0
DISABLED	0
INAPPLICABLE	7
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="\KFM0200000050" />	
</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="\KFM1030700000050" />
  </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="\KFM1030700000050" />
      </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="\105202" />
    </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="CE8953362A9ED9D26F61FB76CCCB9F8CA2CAE16145E3E994790F1FB82D73B68301CABD64E0C1E5E9E5936
669662A177954740CDACEB9026F177759566D356DC2" />
        </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="\115207" />
    </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="75B8D49332472286C27907D9463AD711A6C6DDC89DD03FF586FBE238C3A89B466D056A66EB0E70B650291
48654F9A240CF083F5379D91242E91F3B6E7F9440B1" />
        </Data>

Mngmt Get Active firmware identifier 2 1-2:0.2.0.255 (@428)
(9) .logical_name
INAPPLICABLE
    Optional object is not implemented
(10) .value
INAPPLICABLE
    Optional object is not implemented

Mngmt Get Active firmware signature 2 1-2:0.2.8.255 (@432)
(11) .logical_name
INAPPLICABLE
    Optional object is not implemented
(12) .value
INAPPLICABLE
    Optional object is not implemented

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

Pre Set Clock 0-0:1.0.0.255 (@75)
(1) .time PASSED
    <Data>
        <OctetString Value="07E40703050A0000FF8000FF" />
    </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="07E40703050A000100FF8880" />
    </Data>

```

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

Pre Set Special Days Table 0-0:11.0.0.255 (@125)
(1) .entries

PASSED

```
<Data>
  <Array Qty="001E" >
    <Structure Qty="0003" >
      <LongUnsigned Value="0001" />
      <OctetString Value="FFFF0101FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0001" />
      <OctetString Value="FFFF0102FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0001" />
      <OctetString Value="FFFF0103FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0001" />
      <OctetString Value="FFFF0104FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0001" />
      <OctetString Value="FFFF0105FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0001" />
      <OctetString Value="FFFF0106FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0001" />
      <OctetString Value="FFFF0107FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0001" />
      <OctetString Value="FFFF0108FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0001" />
      <OctetString Value="FFFF0109FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0001" />
      <OctetString Value="FFFF010AFF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0001" />
      <OctetString Value="FFFF0201FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0001" />
      <OctetString Value="FFFF0202FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0001" />
      <OctetString Value="FFFF0203FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0001" />
      <OctetString Value="FFFF0204FF" />
      <Unsigned Value="02" />
    </Structure>
  </Array>

```



```
        <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
```

PASSED

```
    <_Data>
    <Array Qty="001E" >
    <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0101FF" />
        <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0102FF" />
        <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0103FF" />
        <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0104FF" />
        <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0105FF" />
        <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0106FF" />
        <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0107FF" />
        <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0108FF" />
        <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0109FF" />
        <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF010AFF" />
        <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0201FF" />
        <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0202FF" />
        <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
```



```
</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: 03-JUL-2020 10:04:55, latest date: 07-JUL-2020 10:18:13
  Middle date: 06-JUL-2020 10:09:14
(3) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="00000006" />
  </Data>
(4) .profile_entries PASSED
  <Data>
    <DoubleLongUnsigned Value="0000000A" />
  </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: 03-JUL-2020 08:53:12, latest date: 07-JUL-2020 10:22:39
  Middle date: 04-JUL-2020 10:08:11
(7) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="0000001C" />
  </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: 03-JUL-2020 10:04:55, latest date: 07-JUL-2020 10:11:31
  Middle date: 04-JUL-2020 10:07:21
(11) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="00000007" />
  </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: 03-JUL-2020 08:52:29, latest date: 07-JUL-2020 10:18:11
  Middle date: 04-JUL-2020 10:07:32
```



```

(15) .entries_in_use PASSED
    <Data>
      <DoubleLongUnsigned Value="0000001C" />
    </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: 01-JAN-2000 00:00:00, latest date: 01-JAN-2000 00:00:00
    Middle date: 01-JAN-2000 00:00:00
(19) .entries_in_use PASSED
    <Data>
      <DoubleLongUnsigned Value="00000005" />
    </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: 03-JUL-2020 10:04:55, latest date: 07-JUL-2020 10:11:31
    Middle date: 05-JUL-2020 10:08:19
(3) .capture_objects PASSED
    <Data>
      <Array Qty="0005" >
        <Structure Qty="0004" >
          <LongUnsigned Value="0008" />
          <OctetString Value="0000010000FF" />
          <Integer Value="02" />
          <LongUnsigned Value="0000" />
        </Structure>
        <Structure Qty="0004" >
          <LongUnsigned Value="0003" />
          <OctetString Value="0100010801FF" />
          <Integer Value="02" />
          <LongUnsigned Value="0000" />
        </Structure>
        <Structure Qty="0004" >
          <LongUnsigned Value="0003" />
          <OctetString Value="0100010802FF" />
          <Integer Value="02" />
          <LongUnsigned Value="0000" />
        </Structure>
        <Structure Qty="0004" >
          <LongUnsigned Value="0003" />
          <OctetString Value="0100020801FF" />
          <Integer Value="02" />
          <LongUnsigned Value="0000" />
        </Structure>
        <Structure Qty="0004" >
          <LongUnsigned Value="0003" />
          <OctetString Value="0100020802FF" />
          <Integer Value="02" />
          <LongUnsigned Value="0000" />
        </Structure>
      </Array>
    </Data>
(4) .capture_period PASSED
    <Data>
      <DoubleLongUnsigned Value="00000000" />
    </Data>

```

```

(5) .sort_method PASSED
    <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="0000000F" />
    </Data>

*****
Test Case 12 : Ext. M - M-Bus Setup LGZ G350, 52 item(s)
*****

Mngmt Get M-Bus master port setup 1 0-0:24.6.0.255 (@1566)
(1) .logical_name PASSED
    <Data>
      <OctetString Value="0000180600FF" />
    </Data>
(2) .comm_speed PASSED
    <Data>
      <Enum Value="03" />
    </Data>

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

Mngmt Get M-Bus client channel 1 0-1:24.1.0.255 (@1574)
(5) .logical_name PASSED
    <Data>
      <OctetString Value="0001180100FF" />
    </Data>
(6) .mbus_port_reference PASSED
    <Data>
      <OctetString Value="0000180600FF" />
    </Data>
(7) .capture_definition PASSED
    <Data>
      <Array Qty="0002" >
        <Structure Qty="0002" >
          <OctetString Value="\L" />
          <OctetString Value="933A" />
        </Structure>
        <Structure Qty="0002" >
          <OctetString Value="8940" />
          <OctetString Value="FD1A" />
        </Structure>
      </Array>
    </Data>
(8) .capture_period PASSED
    <Data>
      <DoubleLongUnsigned Value="00000E10" />
    </Data>
(9) .primary_address PASSED
    <Data>
      <Unsigned Value="01" />
    </Data>
(10) .identification_number PASSED
    <Data>
      <DoubleLongUnsigned Value="00293811" />
    </Data>

```

```

    </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="49" />
    </Data>
(15) .status                                              PASSED
    <Data>
        <Unsigned Value="00" />
    </Data>
(16) .alarm                                               PASSED
    <Data>
        <Unsigned Value="00" />
    </Data>

Mngmt Get M-Bus client channel 2 0-2:24.1.0.255 (@1596)
(17) .logical_name                                       PASSED
    <Data>
        <OctetString Value="0002180100FF" />
    </Data>
(18) .mbus_port_reference                                 PASSED
    <Data>
        <OctetString Value="0000180600FF" />
    </Data>
(19) .capture_definition                                 PASSED
    <Data>
        <Array Qty="0002" >
            <Structure Qty="0002" >
                <OctetString Value="\L" />
                <OctetString Value="933A" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="8940" />
                <OctetString Value="FD1A" />
            </Structure>
        </Array>
    </Data>
(20) .capture_period                                     PASSED
    <Data>
        <DoubleLongUnsigned Value="00000E10" />
    </Data>
(21) .primary_address                                    PASSED
    <Data>
        <Unsigned Value="02" />
    </Data>
(22) .identification_number                             PASSED
    <Data>
        <DoubleLongUnsigned Value="01293811" />
    </Data>
(23) .manufacturer_id                                   PASSED
    <Data>
        <LongUnsigned Value="19AC" />
    </Data>
(24) .version                                             PASSED
    <Data>
        <Unsigned Value="02" />
    </Data>
(25) .device_type                                         PASSED
    <Data>
        <Unsigned Value="03" />
    </Data>
(26) .access_number                                       PASSED
    <Data>
        <Unsigned Value="37" />
    </Data>
(27) .status                                              PASSED

```

```

    <Data>
      <Unsigned Value="00" />
    </Data>
(28) .alarm PASSED
    <Data>
      <Unsigned Value="00" />
    </Data>

Mngmt Get M-Bus client channel 3 0-3:24.1.0.255 (@1618)
(29) .logical_name PASSED
    <Data>
      <OctetString Value="0003180100FF" />
    </Data>
(30) .mbus_port_reference PASSED
    <Data>
      <OctetString Value="0000180600FF" />
    </Data>
(31) .capture_definition PASSED
    <Data>
      <Array Qty="0002" >
        <Structure Qty="0002" >
          <OctetString Value="\L" />
          <OctetString Value="933A" />
        </Structure>
        <Structure Qty="0002" >
          <OctetString Value="8940" />
          <OctetString Value="FD1A" />
        </Structure>
      </Array>
    </Data>
(32) .capture_period PASSED
    <Data>
      <DoubleLongUnsigned Value="00000E10" />
    </Data>
(33) .primary_address PASSED
    <Data>
      <Unsigned Value="03" />
    </Data>
(34) .identification_number PASSED
    <Data>
      <DoubleLongUnsigned Value="02293811" />
    </Data>
(35) .manufacturer_id PASSED
    <Data>
      <LongUnsigned Value="19AC" />
    </Data>
(36) .version PASSED
    <Data>
      <Unsigned Value="02" />
    </Data>
(37) .device_type PASSED
    <Data>
      <Unsigned Value="03" />
    </Data>
(38) .access_number PASSED
    <Data>
      <Unsigned Value="34" />
    </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="0002" >
        <Structure Qty="0002" >
          <OctetString Value="\L" />
          <OctetString Value="933A" />
        </Structure>
        <Structure Qty="0002" >
          <OctetString Value="8940" />
          <OctetString Value="FD1A" />
        </Structure>
      </Array>
    </Data>
(44) .capture_period PASSED
    <Data>
      <DoubleLongUnsigned Value="00000E10" />
    </Data>
(45) .primary_address PASSED
    <Data>
      <Unsigned Value="04" />
    </Data>
(46) .identification_number PASSED
    <Data>
      <DoubleLongUnsigned Value="03293811" />
    </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="67" />
    </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="00000A40" />
    </Data>
(3) .scaler_unit PASSED
    <Data>
      <Structure Qty="0002" >
        <Integer Value="FD" />
        <Enum Value="0D" />
      </Structure>
    </Data>
(4) .status PASSED
    <Data>
      <Unsigned Value="00" />
    </Data>
(5) .capture_time PASSED
    <Data>
      <OctetString Value="07E40703050A021600FF8880" />
    </Data>

```

```

Mngmt Get M-Bus Value channel 1, instance 2 0-1:24.2.2.255 (@1670)
(6) .logical_name PASSED
    <Data>
        <OctetString Value="0001180202FF" />
    </Data>
(7) .value PASSED
    <Data>
        <DoubleLongUnsigned Value="00000001" />
    </Data>
(8) .scaler_unit PASSED
    <Data>
        <Structure Qty="0002" >
            <Integer Value="00" />
            <Enum Value="FF" />
        </Structure>
    </Data>
(9) .status PASSED
    <Data>
        <Unsigned Value="00" />
    </Data>
(10) .capture_time PASSED
    <Data>
        <OctetString Value="07E40703050A021B00FF8880" />
    </Data>

Mngmt Get M-Bus Value channel 2, instance 1 0-2:24.2.1.255 (@1694)
(11) .logical_name PASSED
    <Data>
        <OctetString Value="0002180201FF" />
    </Data>
(12) .value PASSED
    <Data>
        <DoubleLongUnsigned Value="0000083C" />
    </Data>
(13) .scaler_unit PASSED
    <Data>
        <Structure Qty="0002" >
            <Integer Value="FD" />
            <Enum Value="0D" />
        </Structure>
    </Data>
(14) .status PASSED
    <Data>
        <Unsigned Value="00" />
    </Data>
(15) .capture_time PASSED
    <Data>
        <OctetString Value="07E40703050A022100FF8880" />
    </Data>

Mngmt Get M-Bus Value channel 2, instance 2 0-2:24.2.2.255 (@1702)
(16) .logical_name PASSED
    <Data>
        <OctetString Value="0002180202FF" />
    </Data>
(17) .value PASSED
    <Data>
        <DoubleLongUnsigned Value="00000001" />
    </Data>
(18) .scaler_unit PASSED
    <Data>
        <Structure Qty="0002" >
            <Integer Value="00" />
            <Enum Value="FF" />
        </Structure>
    </Data>
(19) .status PASSED
    <Data>
        <Unsigned Value="00" />
    </Data>
(20) .capture_time PASSED
    <Data>
        <OctetString Value="07E40703050A022600FF8880" />
    </Data>

Mngmt Get M-Bus Value channel 3, instance 1 0-3:24.2.1.255 (@1726)

```



```

        <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="07E40703050A023B00FF8880" />
    </Data>

```

```

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

```

```

Mngmt Get M-Bus Device ID 1 channel 1 0-1:96.1.0.255 (@1790)
(1) .logical_name PASSED
    <Data>
        <OctetString Value="0001600100FF" />
    </Data>
(2) .value PASSED
    <Data>
        <OctetString Value="\11908392004500000" />
    </Data>

```

```

Mngmt Get M-Bus Device ID 1 channel 2 0-2:96.1.0.255 (@1794)
(3) .logical_name PASSED
    <Data>
        <OctetString Value="0002600100FF" />
    </Data>
(4) .value PASSED
    <Data>
        <OctetString Value="\11018392004500000" />
    </Data>

```

```

Mngmt Get M-Bus Device ID 1 channel 3 0-3:96.1.0.255 (@1798)
(5) .logical_name PASSED
    <Data>
        <OctetString Value="0003600100FF" />
    </Data>
(6) .value PASSED
    <Data>
        <OctetString Value="\11218392004500000" />
    </Data>

```

```

Mngmt Get M-Bus Device ID 1 channel 4 0-4:96.1.0.255 (@1802)
(7) .logical_name PASSED
    <Data>
        <OctetString Value="0004600100FF" />
    </Data>
(8) .value PASSED
    <Data>
        <OctetString Value="\11118392004500000" />
    </Data>

```

```

Mngmt Get M-Bus Device ID 2 channel 1 0-1:96.1.1.255 (@1806)
(9) .logical_name PASSED
    <Data>
        <OctetString Value="0001600101FF" />
    </Data>
(10) .value PASSED
    <Data>
        <OctetString Value="09382900AC190203" />
    </Data>

```

```

Mngmt Get M-Bus Device ID 2 channel 2 0-2:96.1.1.255 (@1810)

```


(11) .logical_name PASSED
<Data>
 <OctetString Value="0002600101FF" />
</Data>

(12) .value PASSED
<Data>
 <OctetString Value="10382900AC190203" />
</Data>

Mngmt Get M-Bus Device ID 2 channel 3 0-3:96.1.1.255 (@1814)

(13) .logical_name PASSED
<Data>
 <OctetString Value="0003600101FF" />
</Data>

(14) .value PASSED
<Data>
 <OctetString Value="12382900AC190203" />
</Data>

Mngmt Get M-Bus Device ID 2 channel 4 0-4:96.1.1.255 (@1818)

(15) .logical_name PASSED
<Data>
 <OctetString Value="0004600101FF" />
</Data>

(16) .value PASSED
<Data>
 <OctetString Value="11382900AC190203" />
</Data>

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 PASSED
<Data>
 <OctetString Value="0001180300FF" />
</Data>

(2) .buffer PASSED
 Earliest date: 03-JUL-2020 10:00:00, latest date: 08-JUL-2020 06:00:00
 Middle date: 05-JUL-2020 11:00:00

(3) .capture_objects PASSED
<Data>
 <Array Qty="0006" >
 <Structure Qty="0004" >
 <LongUnsigned Value="0008" />
 <OctetString Value="0000010000FF" />
 <Integer Value="02" />
 <LongUnsigned Value="0000" />
 </Structure>
 <Structure Qty="0004" >
 <LongUnsigned Value="0001" />
 <OctetString Value="0001600A03FF" />
 <Integer Value="02" />
 <LongUnsigned Value="0000" />
 </Structure>
 <Structure Qty="0004" >
 <LongUnsigned Value="0004" />
 <OctetString Value="0001180203FF" />
 <Integer Value="02" />
 <LongUnsigned Value="0000" />
 </Structure>
 <Structure Qty="0004" >
 <LongUnsigned Value="0004" />
 <OctetString Value="0001180202FF" />
 <Integer Value="02" />
 <LongUnsigned Value="0000" />
 </Structure>
 <Structure Qty="0004" >
 <LongUnsigned Value="0004" />
 <OctetString Value="0001180201FF" />
 <Integer Value="02" />
 <LongUnsigned Value="0000" />
 </Structure>
 <Structure Qty="0004" >
 <LongUnsigned Value="0004" />
 <OctetString Value="0001180204FF" />

```

        <Integer Value="02" />
        <LongUnsigned Value="0000" />
    </Structure>
</Array>
</Data>
(4) .capture_period PASSED
    <Data>
        <DoubleLongUnsigned Value="00000E10" />
    </Data>
(5) .sort_method PASSED
    <Data>
        <Enum Value="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="00000010" />
    </Data>
(8) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="000000F0" />
    </Data>

Mngmt Get M-Bus Master Load profile for channel 2 0-2:24.3.0.255 (@1849)
(9) .logical_name PASSED
    <Data>
        <OctetString Value="0002180300FF" />
    </Data>
(10) .buffer PASSED
    Earliest date: 03-JUL-2020 10:04:55, latest date: 08-JUL-2020 06:00:00
    Middle date: 05-JUL-2020 11:00:00
(11) .capture_objects PASSED
    <Data>
        <Array Qty="0006" >
            <Structure Qty="0004" >
                <LongUnsigned Value="0008" />
                <OctetString Value="0000010000FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0001" />
                <OctetString Value="0002600A03FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0004" />
                <OctetString Value="0002180203FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0004" />
                <OctetString Value="0002180202FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0004" />
                <OctetString Value="0002180201FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0004" />
                <OctetString Value="0002180204FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
        </Array>
    </Data>

```

```

        </Structure>
    </Array>
</Data>
(12) .capture_period PASSED
    <Data>
        <DoubleLongUnsigned Value="00000E10" />
    </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>
(15) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="0000000F" />
    </Data>
(16) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="000000F0" />
    </Data>

Mngmt Get M-Bus Master Load profile for channel 3 0-3:24.3.0.255 (@1860)
(17) .logical_name PASSED
    <Data>
        <OctetString Value="0003180300FF" />
    </Data>
(18) .buffer PASSED
    Earliest date: 03-JUL-2020 10:04:55, latest date: 08-JUL-2020 06:00:00
    Middle date: 05-JUL-2020 11:00:00
(19) .capture_objects PASSED
    <Data>
        <Array Qty="0006" >
            <Structure Qty="0004" >
                <LongUnsigned Value="0008" />
                <OctetString Value="0000010000FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0001" />
                <OctetString Value="0003600A03FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0004" />
                <OctetString Value="0003180203FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0004" />
                <OctetString Value="0003180202FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0004" />
                <OctetString Value="0003180201FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0004" />
                <OctetString Value="0003180204FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
        </Array>
    </Data>

```

```

    </Data>
(20) .capture_period PASSED
    <Data>
        <DoubleLongUnsigned Value="00000E10" />
    </Data>
(21) .sort_method PASSED
    <Data>
        <Enum Value="01" />
    </Data>
(22) .sort_object PASSED
    <Data>
        <Structure Qty="0004" >
            <LongUnsigned Value="0000" />
            <OctetString Value="000000000000" />
            <Integer Value="00" />
            <LongUnsigned Value="0000" />
        </Structure>
    </Data>
(23) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="0000000F" />
    </Data>
(24) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="000000F0" />
    </Data>

Mngmt Get M-Bus Master Load profile for channel 4 0-4:24.3.0.255 (@1871)
(25) .logical_name PASSED
    <Data>
        <OctetString Value="0004180300FF" />
    </Data>
(26) .buffer PASSED
    Earliest date: 03-JUL-2020 10:04:55, latest date: 08-JUL-2020 06:00:00
    Middle date: 05-JUL-2020 11:00:00
(27) .capture_objects PASSED
    <Data>
        <Array Qty="0006" >
            <Structure Qty="0004" >
                <LongUnsigned Value="0008" />
                <OctetString Value="0000010000FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0001" />
                <OctetString Value="0004600A03FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0004" />
                <OctetString Value="0004180203FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0004" />
                <OctetString Value="0004180202FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0004" />
                <OctetString Value="0004180201FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0004" />
                <OctetString Value="0004180204FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
        </Array>
    </Data>
(28) .capture_period PASSED

```

```

    <Data>
      <DoubleLongUnsigned Value="00000E10" />
    </Data>
(29) .sort_method PASSED
    <Data>
      <Enum Value="01" />
    </Data>
(30) .sort_object PASSED
    <Data>
      <Structure Qty="0004" >
        <LongUnsigned Value="0000" />
        <OctetString Value="000000000000" />
        <Integer Value="00" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Data>
(31) .entries_in_use PASSED
    <Data>
      <DoubleLongUnsigned Value="0000000F" />
    </Data>
(32) .profile_entries PASSED
    <Data>
      <DoubleLongUnsigned Value="000000F0" />
    </Data>

```

```

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

```

```

Mngmt Get M-Bus Master Control log object 1 0-1:24.5.0.255 (@1941)
(1) .logical_name PASSED
    <Data>
      <OctetString Value="0001180500FF" />
    </Data>
(2) .buffer PASSED
    Earliest date: 03-JUL-2020 10:04:55, latest date: 07-JUL-2020 10:11:31
    Middle date: 05-JUL-2020 10:08:20
(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="0000000A" />
  </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: 03-JUL-2020 10:04:56, latest date: 07-JUL-2020 10:11:31
  Middle date: 05-JUL-2020 10:08:20
(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>
(15) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="00000005" />
  </Data>
(16) .profile_entries PASSED
  <Data>
    <DoubleLongUnsigned Value="0000000A" />
  </Data>

Mngmt Get M-Bus Master Control log object 3 0-3:24.5.0.255 (@1963)
(17) .logical_name PASSED
  <Data>
    <OctetString Value="0003180500FF" />
  </Data>
(18) .buffer PASSED
  Earliest date: 03-JUL-2020 10:04:56, latest date: 07-JUL-2020 10:11:31
  Middle date: 05-JUL-2020 10:08:20
(19) .capture_objects PASSED
  <Data>
    <Array Qty="0002" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0003600B04FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>

```

```

    </Array>
  </Data>
(20) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000000" />
  </Data>
(21) .sort_method PASSED
  <Data>
    <Enum Value="01" />
  </Data>
(22) .sort_object PASSED
  <Data>
    <Structure Qty="0004" >
      <LongUnsigned Value="0000" />
      <OctetString Value="000000000000" />
      <Integer Value="00" />
      <LongUnsigned Value="0000" />
    </Structure>
  </Data>
(23) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="00000005" />
  </Data>
(24) .profile_entries PASSED
  <Data>
    <DoubleLongUnsigned Value="0000000A" />
  </Data>

Mngmt Get M-Bus Master Control log object 4 0-4:24.5.0.255 (@1974)
(25) .logical_name PASSED
  <Data>
    <OctetString Value="0004180500FF" />
  </Data>
(26) .buffer PASSED
  Earliest date: 03-JUL-2020 10:04:56, latest date: 07-JUL-2020 10:11:31
  Middle date: 05-JUL-2020 10:08:20
(27) .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="0004600B04FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
(28) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000000" />
  </Data>
(29) .sort_method PASSED
  <Data>
    <Enum Value="01" />
  </Data>
(30) .sort_object PASSED
  <Data>
    <Structure Qty="0004" >
      <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="0000000A" />
  </Data>

```

```

    </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: 03-JUL-2020 09:25:44, latest date: 07-JUL-2020 10:18:18
    Middle date: 07-JUL-2020 10:14:59
(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="0000001B" />
    </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="01" />
    </Data>
(3) .control_state PASSED
    <Data>
        <Enum Value="01" />
    </Data>
(4) .control_mode PASSED
    <Data>
        <Enum Value="01" />
    </Data>

Mngmt Get M-Bus Master Disconnect control object 2 0-2:24.4.0.255 (@1890)
(5) .logical_name PASSED

```



```

    <Data>
      <OctetString Value="0002180400FF" />
    </Data>
(6) .output_state PASSED
    <Data>
      <Boolean Value="01" />
    </Data>
(7) .control_state PASSED
    <Data>
      <Enum Value="01" />
    </Data>
(8) .control_mode PASSED
    <Data>
      <Enum Value="01" />
    </Data>

Mngmt Get M-Bus Master Disconnect control object 3 0-3:24.4.0.255 (@1898)
(9) .logical_name PASSED
    <Data>
      <OctetString Value="0003180400FF" />
    </Data>
(10) .output_state PASSED
    <Data>
      <Boolean Value="01" />
    </Data>
(11) .control_state PASSED
    <Data>
      <Enum Value="01" />
    </Data>
(12) .control_mode PASSED
    <Data>
      <Enum Value="01" />
    </Data>

Mngmt Get M-Bus Master Disconnect control object 4 0-4:24.4.0.255 (@1906)
(13) .logical_name PASSED
    <Data>
      <OctetString Value="0004180400FF" />
    </Data>
(14) .output_state PASSED
    <Data>
      <Boolean Value="01" />
    </Data>
(15) .control_state PASSED
    <Data>
      <Enum Value="01" />
    </Data>
(16) .control_mode PASSED
    <Data>
      <Enum Value="01" />
    </Data>

Mngmt Get M-Bus Disconnect control scheduler 0-1:15.0.1.255 (@1914)
(17) .logical_name PASSED
    <Data>
      <OctetString Value="00010F0001FF" />
    </Data>
(18) .executed_script PASSED
    <Data>
      <Structure Qty="0002" >
        <OctetString Value="00010A006AFF" />
        <LongUnsigned Value="0001" />
      </Structure>
    </Data>
(19) .type PASSED
    <Data>
      <Enum Value="01" />
    </Data>
(20) .execution_time PASSED
    <Data>
      <Array Qty="0001" >
        <Structure Qty="0002" >
          <OctetString Value="FFFFFFFF" />
          <OctetString Value="FFFFFFFF" />
        </Structure>
      </Array>
    </Data>

```

Mngmt Get M-Bus Disconnecter script table 0-1:10.0.106.255 (@1920)

```
(21) .logical_name PASSED
    <Data>
      <OctetString Value="00010A006AFF" />
    </Data>
(22) .scripts PASSED
    <_Data>
      <Array Qty="0010" >
        <Structure Qty="0002" >
          <LongUnsigned Value="0001" />
          <Array Qty="0001" >
            <Structure Qty="0005" >
              <Enum Value="01" />
              <LongUnsigned Value="0046" />
              <OctetString Value="0001180400FF" />
              <Integer Value="03" />
              <Enum Value="02" />
            </Structure>
          </Array>
        </Structure>
        <Structure Qty="0002" >
          <LongUnsigned Value="0002" />
          <Array Qty="0001" >
            <Structure Qty="0005" >
              <Enum Value="01" />
              <LongUnsigned Value="0046" />
              <OctetString Value="0001180400FF" />
              <Integer Value="03" />
              <Enum Value="01" />
            </Structure>
          </Array>
        </Structure>
        <Structure Qty="0002" >
          <LongUnsigned Value="0003" />
          <Array Qty="0001" >
            <Structure Qty="0005" >
              <Enum Value="01" />
              <LongUnsigned Value="0046" />
              <OctetString Value="0002180400FF" />
              <Integer Value="03" />
              <Enum Value="02" />
            </Structure>
          </Array>
        </Structure>
        <Structure Qty="0002" >
          <LongUnsigned Value="0004" />
          <Array Qty="0001" >
            <Structure Qty="0005" >
              <Enum Value="01" />
              <LongUnsigned Value="0046" />
              <OctetString Value="0002180400FF" />
              <Integer Value="03" />
              <Enum Value="01" />
            </Structure>
          </Array>
        </Structure>
        <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" />
            </Structure>
          </Array>
        </Structure>
      </Array>
    </_Data>
  </Data>
```

```

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

```

```

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

```

```

*****
Test Case 18 : FIT Push, 3 item(s)
*****

```

- | | |
|--------------------------|--------|
| (1) Push on installation | PASSED |
| (2) Push on alarm | PASSED |
| (3) Push on power down | |

```

INAPPLICABLE
  Push setup on power down not available

```

```

*****
Test Case 19 : FIT Miscellaneous, 4 item(s)
*****

```

- | | |
|--|--------|
| (1) 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 *
*****

```

```

// 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 = '\Shenzhen Kaifa Technology (Chengdu) Co. Ltd.'
    // The manufacturer's FLAG id is a part of the DUT system title
    ThreeLettersId = '\KFM'
}

// Mandatory ''DeviceUnderTest'' structure
// *****
DeviceUnderTest =
{
    // Type is any string that the manufacturer provides to identify the type the name
    // or the model of the device
    Type = '\Ma309MH4LAT1'

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

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

    // The serial number of the DUT, is also part of its system title.
    SerialNr = 00000050

    // (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 made as M-C are
    // tested then the value is TRUE
    ConsumerInformationPush = FALSE // or false

    // EUI64Address (mandatory for G3-PLC profile)
    EUI64Address = "0080E1FFFE90879C"
}

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

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

    PushDestination = '\[fe80:0:0:0:781d:ff:fe00:0]:61616'
}

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

```

```

        // 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 = 5
            // 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><Structure Qty = "02"><Unsigned Value="0"/><OctetString
Value="11223345678900"/></Structure></Data>'
            SetData = '\ ' +
            '<Data>' +
            ' <Structure Qty = "02">' +
            '   <Unsigned Value = "00" />' +
            '   <OctetString Value = "\00112233445566778899AABBCCDDEEFF"/>' +
            ' </Structure>' +
            '</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 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>'
        }
    }

    // Optional objects implemented
    OptionalObjects = '\ '
    + '1-0:0.9.1.255|1,' // Local Time (@86)
    + '1-0:0.9.2.255|1,' // Local Date (@90)
    + '1-1:0.2.0.255|1,' // Active firmware identifier 1
    + '1-1:0.2.8.255|1,' // Active firmware signature 1

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

// Set special days to 30 entries
    InstanceExtraInfo = {
        LogicalName = '0-0:11.0.0.255'
        ClassId = 11
        AttributeExtraInfo = {
            AttributeId = 2
            SetData = '\<Data>'
+ '   <Array Qty="1E" >'
+ '     <Structure Qty="03" >'
+ '       <LongUnsigned Value="0001" />'

```



```

    LogicalName = '0-0:1.0.0.255'
    ClassId = 8
    AttributeExtraInfo = {
        AttributeId = 2
        SetData = '\<Data><OctetString Value="07E40703050A0000FF8000FF" /></Data>' // yyyy
    }
}

}

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

    // Client system title
    ClientSystemTitle = '58585A0102030405'

    // Structure for the ImageTransfer
    ImageTransfer =
    {
        // Image identifier as passed to the image_transfer_initiate method
        ImageIdentifier = '\KFM'
        // 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 = '\test_firmware.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 = 60000

    // (Optional) Minimal Inter WPDU frames delay, is the minimal delay (in ms) between two
WPDU frames sent by the wrapper layer.
    // is null if not specified
    MinInterWPDUFramesDelay = 1000

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

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

    PreEstablished = {
        Policy = AUTHENTICATION_AND_ENCRYPTION
        ServerMaxReceivePduSize = 1224
        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 = 60000
        DISCToNDMTimeout = 4000
        AddressingSchemes = [TWO_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:       4B464D6770000032
Run number:             418
```