

Final Interoperability Test Report

FIT #: **85**
 Date: 3/25/2022
 Location: DNV-GL, Arnhem, Netherlands
 Page 1 of 37

APPLICANT

Company: Shenzhen Kaifa Technology (Chengdu) Co., Ltd.

Address: No. 99 Tianquan Rd, Hi-Tech Development Zone, Chengdu, P.R.C

DEVICE		
Device type	MA110M	
<i>Type indication on MID certificate</i>		<i>MID Certificate No.</i>
MA110M		1316-21 and 1737-18
<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	1794	FB46959F15BB90104345B2503D5A9332
<i>First certification</i>	<i>IDIS Label</i>	<i>Modular device</i>
<input type="checkbox"/>	0062-2	<input type="checkbox"/>
<i>General information about the device</i>		

FIRMWARE VERSIONS TESTED				<i>Final Interoperability Test No. 85</i>
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	Verdict
2	000009	015216		Passed

 Honeywell

 Iskraemeco d.d.

 Itron

 Landis+Gyr AG

Fit #85

Device:Shenzhen Kaifa MA110M

DNV-GL,Arnhem, Netherlands, 25.03.2022

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FIRMWARE VERSIONS HISTORY				Final Integration Test	
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	No.	Verdict
1	000009	010032		51	Passed
2	000009	015216		86	Passed

TEST REPORT - Firmware No. 1		
Test	Verdict	Remark
Connect and release	Passed	
All Device IDs	Passed	
COSEM logical device name	Passed	
SAP assignment	Passed	
FW version and signature	Passed	
All Device ID's	Passed	
Broadcast Date and time	Passed	
Broadcast Special Days Table	Passed	
Event logs	Passed	
Billing data period 1	Passed	
M-Bus Channel Setup	Passed	
M-Bus Results	Passed	
M-Bus Devices IDs	Passed	
M-Bus profiles	Passed	
M-Bus Load profiles	Passed	
M-Bus control logs	Passed	
M-Bus Disconnect log	Passed	
FIT Push	Passed	
FIT Miscellaneous	Passed	
Optical Port Connectivity	Passed	
Consumer Information Interface	Passed	
FIT Conformance Test Report		
<pre> ***** IDIS Conformance test report 24-MAR-2022 12:31:40 iCTT2 Package 2, Edition 2.0, Revision 1 (136) Licensed to: KEMA-IDIS Cert. Tester: Tom Levels ***** ***** * Identification * ***** Manufacturer = { Name = '\Shenzhen Kaifa Technology (Chengdu) Co., Ltd.' ThreeLettersId = '\KFM' } DeviceUnderTest = { Type = '\MA110M' IDISDeviceType = 102 IDISFunctionType = [EXTENSION_D, EXTENSION_L, EXTENSION_M] SerialNr = 9000090 IPVersion = IPV4 DataLinkLayer = GPRS ConsumerInformationPush = FALSE SMSSupported = FALSE ClipCallSupported = FALSE } Active firmware identifier (1-0:0.2.0.255) = \000009 Active firmware identifier 1 (1-1:0.2.0.255) = \015216 ***** * Summary * ***** PASSED 266 FAILED 0 DISABLED 0 INAPPLICABLE 9 INCONCLUSIVE 0 </pre>		

FATAL	0	
TOTAL	275	

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

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

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="\1KFM0109000090" />		
</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="\KFM1020709000090" />
    </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="\KFM1020709000090" />
    </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="\000009" />
    </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="1568AB66E77346460D1888281B523E7776D6342F2701BB693B8064D18D54E71F7576C0BAA9DF76BA53AA1E
E16AD6CE96A2E9BC6A0BBA4401BF62B7E8A69EC17A" />
    </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="\015216" />
    </Data>

Mngmt Get Active firmware signature 1 1-1:0.2.8.255 (@424)
(7) .logical_name PASSED

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    <Data>
      <OctetString Value="0101000208FF" />
    </Data>
  (8) .value PASSED
    <Data>
      <OctetString
Value="52F0941B554279854DDF06745F12E77B75EDCD0BF933A485E8CA2AC6A697C5AB817DF4CF6B1DF91744CD84
97DB0911E409C51CBFB55A5AC0382989F976D1BCEA" />
    </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="07E60318FF10000FF8000FF" />
    </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="07E603180410000100FFC400" />
    </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="0002" />
          <OctetString Value="FFFF0102FF" />
          <Unsigned Value="02" />
        </Structure>
        <Structure Qty="0003" >
          <LongUnsigned Value="0003" />
          <OctetString Value="FFFF0103FF" />
          <Unsigned Value="02" />
        </Structure>
        <Structure Qty="0003" >
          <LongUnsigned Value="0004" />
          <OctetString Value="FFFF0104FF" />
          <Unsigned Value="02" />
        </Structure>
      </Array>
    </Data>

```

```

</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0005" />
  <OctetString Value="FFFF0105FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0006" />
  <OctetString Value="FFFF0106FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0007" />
  <OctetString Value="FFFF0107FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0008" />
  <OctetString Value="FFFF0108FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0009" />
  <OctetString Value="FFFF0109FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="000A" />
  <OctetString Value="FFFF010AFF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="000B" />
  <OctetString Value="FFFF0201FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="000C" />
  <OctetString Value="FFFF0202FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="000D" />
  <OctetString Value="FFFF0203FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="000E" />
  <OctetString Value="FFFF0204FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="000F" />
  <OctetString Value="FFFF0205FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0010" />
  <OctetString Value="FFFF0206FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0011" />
  <OctetString Value="FFFF0207FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0012" />
  <OctetString Value="FFFF0208FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0013" />

```

```

    <OctetString Value="FFFF0209FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0014" />
    <OctetString Value="FFFF020AFF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0015" />
    <OctetString Value="FFFF0301FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0016" />
    <OctetString Value="FFFF0302FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0017" />
    <OctetString Value="FFFF0303FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0018" />
    <OctetString Value="FFFF0304FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0019" />
    <OctetString Value="FFFF0305FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="001A" />
    <OctetString Value="FFFF0306FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="001B" />
    <OctetString Value="FFFF0307FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="001C" />
    <OctetString Value="FFFF0308FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="001D" />
    <OctetString Value="FFFF0309FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="001E" />
    <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="0002" />
  <OctetString Value="FFFF0102FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0003" />
  <OctetString Value="FFFF0103FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0004" />
  <OctetString Value="FFFF0104FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0005" />
  <OctetString Value="FFFF0105FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0006" />
  <OctetString Value="FFFF0106FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0007" />
  <OctetString Value="FFFF0107FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0008" />
  <OctetString Value="FFFF0108FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0009" />
  <OctetString Value="FFFF0109FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="000A" />
  <OctetString Value="FFFF010AFF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="000B" />
  <OctetString Value="FFFF0201FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="000C" />
  <OctetString Value="FFFF0202FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="000D" />
  <OctetString Value="FFFF0203FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="000E" />
  <OctetString Value="FFFF0204FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="000F" />
  <OctetString Value="FFFF0205FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0010" />

```

```

    <OctetString Value="FFFF0206FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0011" />
    <OctetString Value="FFFF0207FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0012" />
    <OctetString Value="FFFF0208FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0013" />
    <OctetString Value="FFFF0209FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0014" />
    <OctetString Value="FFFF020AFF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0015" />
    <OctetString Value="FFFF0301FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0016" />
    <OctetString Value="FFFF0302FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0017" />
    <OctetString Value="FFFF0303FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0018" />
    <OctetString Value="FFFF0304FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0019" />
    <OctetString Value="FFFF0305FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="001A" />
    <OctetString Value="FFFF0306FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="001B" />
    <OctetString Value="FFFF0307FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="001C" />
    <OctetString Value="FFFF0308FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="001D" />
    <OctetString Value="FFFF0309FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="001E" />
    <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: 24-MAR-2022 12:33:02, latest date: 24-MAR-2022 16:00:03
    Middle date: 24-MAR-2022 12:33:10
(3) .entries_in_use PASSED
    <Data>
    <DoubleLongUnsigned Value="0000000A" />
    </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: 08-FEB-2022 17:39:55, latest date: 29-OCT-2023 02:15:07
    Middle date: 24-MAR-2022 05:00:07
(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: 24-MAR-2022 16:00:02, latest date: 24-MAR-2022 16:03:56
    Middle date: 24-MAR-2022 16:01:46
(11) .entries_in_use PASSED
    <Data>
    <DoubleLongUnsigned Value="0000001E" />
    </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: 11-FEB-2022 01:25:41, latest date: 24-MAR-2022 16:21:37
    Middle date: 11-FEB-2022 02:19:37
(15) .entries_in_use PASSED
    <Data>
    <DoubleLongUnsigned Value="00000064" />
    </Data>
(16) .profile_entries PASSED
    <Data>
    <DoubleLongUnsigned Value="00000064" />
    </Data>

```

```

        </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: 08-FEB-2022 18:30:15
    Middle date: 08-FEB-2022 11:51:57
(19) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="0000000B" />
    </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: 02-JAN-2022 00:00:00, latest date: 02-NOV-2023 00:00:00
    Middle date: 02-JUL-2022 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>
        <DoubleLongUnsigned Value="00000000" />
    </Data>
(5) .sort_method PASSED
    <Data>
        <Enum Value="01" />
    </Data>

```


	<DoubleLongUnsigned Value="00293809" />	
	</Data>	
(11)	.manufacturer_id	PASSED
	<Data>	
	<LongUnsigned Value="19AC" />	
	</Data>	
(12)	.version	PASSED
	<Data>	
	<Unsigned Value="02" />	
	</Data>	
(13)	.device_type	PASSED
	<Data>	
	<Unsigned Value="03" />	
	</Data>	
(14)	.access_number	PASSED
	<Data>	
	<Unsigned Value="FE" />	
	</Data>	
(15)	.status	PASSED
	<Data>	
	<Unsigned Value="04" />	
	</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="00293810" />	
	</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="00" />	
	</Data>	
(27)	.status	PASSED
	<Data>	
	<Unsigned Value="04" />	
	</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="00293812" />	
	</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="CF" />	
	</Data>	
(39)	.status	PASSED
	<Data>	
	<Unsigned Value="04" />	
	</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="00293811" />	
	</Data>	
(47)	.manufacturer_id	PASSED
	<Data>	
	<LongUnsigned Value="19AC" />	
	</Data>	
(48)	.version	PASSED
	<Data>	
	<Unsigned Value="02" />	
	</Data>	
(49)	.device_type	PASSED
	<Data>	
	<Unsigned Value="03" />	
	</Data>	
(50)	.access_number	PASSED
	<Data>	
	<Unsigned Value="01" />	
	</Data>	
(51)	.status	PASSED
	<Data>	
	<Unsigned Value="04" />	
	</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="00000F64" />	
	</Data>	
(3)	.scaler_unit	PASSED
	<Data>	

	<pre> <Structure Qty="0002" > <Integer Value="FD" /> <Enum Value="0D" /> </Structure> </Data> (4) .status PASSED <Data> <Unsigned Value="04" /> </Data> (5) .capture_time PASSED <Data> <OctetString Value="07E70C090604000000FFC400" /> </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="00000000" /> </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="FFFFFFFFFFFFFFFF8000FF" /> </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="00000B57" /> </Data> (13) .scaler_unit PASSED <Data> <Structure Qty="0002" > <Integer Value="FD" /> <Enum Value="0D" /> </Structure> </Data> (14) .status PASSED <Data> <Unsigned Value="04" /> </Data> (15) .capture_time PASSED <Data> <OctetString Value="07E70C090604000000FFC400" /> </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="00000000" /> </Data> </pre>
--	---

(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="FFFFFFFFFFFFFFFF8000FF" />	
	</Data>	
Mngmt Get M-Bus Value channel 3, instance 1 0-3:24.2.1.255 (@1726)		
(21)	.logical_name	PASSED
	<Data>	
	<OctetString Value="0003180201FF" />	
	</Data>	
(22)	.value	PASSED
	<Data>	
	<DoubleLongUnsigned Value="00000E4B" />	
	</Data>	
(23)	.scaler_unit	PASSED
	<Data>	
	<Structure Qty="0002" >	
	<Integer Value="FD" />	
	<Enum Value="0D" />	
	</Structure>	
	</Data>	
(24)	.status	PASSED
	<Data>	
	<Unsigned Value="04" />	
	</Data>	
(25)	.capture_time	PASSED
	<Data>	
	<OctetString Value="07E70C090604000000FFC400" />	
	</Data>	
Mngmt Get M-Bus Value channel 3, instance 2 0-3:24.2.2.255 (@1734)		
(26)	.logical_name	PASSED
	<Data>	
	<OctetString Value="0003180202FF" />	
	</Data>	
(27)	.value	PASSED
	<Data>	
	<DoubleLongUnsigned Value="00000000" />	
	</Data>	
(28)	.scaler_unit	PASSED
	<Data>	
	<Structure Qty="0002" >	
	<Integer Value="00" />	
	<Enum Value="FF" />	
	</Structure>	
	</Data>	
(29)	.status	PASSED
	<Data>	
	<Unsigned Value="00" />	
	</Data>	
(30)	.capture_time	PASSED
	<Data>	
	<OctetString Value="FFFFFFFFFFFFFFFF8000FF" />	
	</Data>	
Mngmt Get M-Bus Value channel 4, instance 1 0-4:24.2.1.255 (@1758)		
(31)	.logical_name	PASSED
	<Data>	
	<OctetString Value="0004180201FF" />	
	</Data>	
(32)	.value	PASSED
	<Data>	

```

        <DoubleLongUnsigned Value="00000A96" />
    </Data>
(33) .scaler_unit PASSED
    <Data>
        <Structure Qty="0002" >
            <Integer Value="FD" />
            <Enum Value="0D" />
        </Structure>
    </Data>
(34) .status PASSED
    <Data>
        <Unsigned Value="04" />
    </Data>
(35) .capture_time PASSED
    <Data>
        <OctetString Value="07E70C090604000000FFC400" />
    </Data>
Mngmt Get M-Bus Value channel 4, instance 2 0-4:24.2.2.255 (@1766)
(36) .logical_name PASSED
    <Data>
        <OctetString Value="0004180202FF" />
    </Data>
(37) .value PASSED
    <Data>
        <DoubleLongUnsigned Value="00000000" />
    </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="FFFFFFFFFFFFFFFF8000FF" />
    </Data>

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

Mngmt Get M-Bus Device ID 1 channel 1 0-1:96.1.0.255 (@1790)
(1) .logical_name PASSED
    <Data>
        <OctetString Value="0001600100FF" />
    </Data>
(2) .value PASSED
    <Data>
        <OctetString Value="\00000540029380911" />
    </Data>

Mngmt Get M-Bus Device ID 1 channel 2 0-2:96.1.0.255 (@1794)
(3) .logical_name PASSED
    <Data>
        <OctetString Value="0002600100FF" />
    </Data>
(4) .value PASSED
    <Data>
        <OctetString Value="\00000540029381011" />
    </Data>

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

```

```

    <Data>
    <OctetString Value="\00000540029381211" />
    </Data>

Mngmt Get M-Bus Device ID 1 channel 4 0-4:96.1.0.255 (@1802)
(7) .logical_name PASSED
    <Data>
    <OctetString Value="0004600100FF" />
    </Data>
(8) .value PASSED
    <Data>
    <OctetString Value="\00000540029381111" />
    </Data>

Mngmt Get M-Bus Device ID 2 channel 1 0-1:96.1.1.255 (@1806)
(9) .logical_name PASSED
    <Data>
    <OctetString Value="0001600101FF" />
    </Data>
(10) .value PASSED
    <Data>
    <OctetString Value="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: 24-DEC-2021 09:47:07, latest date: 24-MAR-2022 17:00:00
    Middle date: 24-MAR-2022 10:00:00
(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="0000000B" />
    </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: 24-DEC-2021 09:47:07, latest date: 24-MAR-2022 17:00:00
    Middle date: 24-MAR-2022 11:00:00
(11) .capture_objects PASSED
    <Data>
        <Array Qty="0006" >
            <Structure Qty="0004" >
                <LongUnsigned Value="0008" />
            </Structure>
        </Array>
    </Data>

```

```

    <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>
(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="0000000A" />
  </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: 24-DEC-2021 09:47:07, latest date: 24-MAR-2022 17:00:00
  Middle date: 24-MAR-2022 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>
(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="0000000A" />
  </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: 24-DEC-2021 09:47:07, latest date: 24-MAR-2022 17:00:00
  Middle date: 24-MAR-2022 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="0000000A" />
  </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 Earliest date: 24-DEC-2021 09:47:08, latest date: 28-DEC-2021 09:47:04 Middle date: 26-DEC-2021 09:47:04	PASSED
(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 Earliest date: 24-DEC-2021 09:47:08, latest date: 28-DEC-2021 09:47:04 Middle date: 26-DEC-2021 09:47:04	PASSED
(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: 24-DEC-2021 09:47:08, latest date: 28-DEC-2021 09:47:04	
	Middle date: 26-DEC-2021 09:47:04	
(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>	
(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: 24-DEC-2021 09:47:08, latest date: 28-DEC-2021 09:47:04 Middle date: 26-DEC-2021 09:47:04	
(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>	
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: 24-DEC-2021 09:47:08, latest date: 24-MAR-2022 16:20:01 Middle date: 24-MAR-2022 16:06:01	
(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="0000004A" />
    </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>

```

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

```

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

```

```

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

```

```

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

```

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

(1) Wake up with clip call from unknown number

INAPPLICABLE

Clip call not supported

(2) Wake up with SMS from unknown number

INAPPLICABLE

SMS not supported

Test Case 19 : FIT Push, 3 item(s)

(1) Push on installation

PASSED

(2) Push on alarm

PASSED

(3) Push on power down

INAPPLICABLE

Push setup on power down not available

Test Case 20 : FIT Miscellaneous, 4 item(s)

(1) Disconnecter Script Table

PASSED

(2) Load profile with period 1 DST ambiguity

PASSED

(3) Load profile power down withing one period

PASSED

(4) Load profile power down over two periods

PASSED


```

*****
* CTI *
*****

//*****
//* Kaifa
//*****

// Conformance Test Information (CTI) Template
// 2.3

Manufacturer =
{
  Name = '\Shenzhen Kaifa Technology (Chengdu) Co., Ltd.'
  ThreeLettersId = '\KFM'
}

DeviceUnderTest =
{
  Type = '\MA110M'
  IDISDeviceType = 102
  IDISFunctionType = [Extension_D, Extension_L, Extension_M]
  SerialNr = 09000090
  IPVersion = IPv4
  DataLinkLayer = GPRS
  ConsumerInformationPush = FALSE
  SMSSupported = FALSE
  ClipCallSupported = FALSE
}

TestOptions =
{

// 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 =
{
  // Optional objects implemented
  OptionalObjects = '\
+ '1-1:0.2.0.255\1,' // Active firmware identifier 1 (@420)
+ '1-1:0.2.8.255\1,' // Active firmware signature 1 (@424)
+ '1-0:6.8.1.255\3' // Reactive energy (QII) rate 1 (@630)

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

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 = {
  LogicalName = '0-0:1.0.0.255'
  ClassId = 8
  AttributeExtraInfo = {

```

```

        AttributeId = 2
        SetData = '\<Data><OctetString Value="07E60318FF10000FF8000FF" /></Data>' // yyyy mm
dd dow hh mm ss
    }
}

InstanceExtraInfo = {
    // Set special days to 30 entries
    LogicalName = '0-0:11.0.0.255'
    ClassId = 11
    AttributeExtraInfo = {
        AttributeId = 2
        SetData = '\<Data>'
+       <Array Qty="1E" >'
+       <Structure Qty="03" >'
+       <LongUnsigned Value="0001" />'
+       <OctetString Value="FFFF0101FF" />'
+       <Unsigned Value="02" />'
+       </Structure>'
+       <Structure Qty="03" >'
+       <LongUnsigned Value="0002" />'
+       <OctetString Value="FFFF0102FF" />'
+       <Unsigned Value="02" />'
+       </Structure>'
+       <Structure Qty="03" >'
+       <LongUnsigned Value="0003" />'
+       <OctetString Value="FFFF0103FF" />'
+       <Unsigned Value="02" />'
+       </Structure>'
+       <Structure Qty="03" >'
+       <LongUnsigned Value="0004" />'
+       <OctetString Value="FFFF0104FF" />'
+       <Unsigned Value="02" />'
+       </Structure>'
+       <Structure Qty="03" >'
+       <LongUnsigned Value="0005" />'
+       <OctetString Value="FFFF0105FF" />'
+       <Unsigned Value="02" />'
+       </Structure>'
+       <Structure Qty="03" >'
+       <LongUnsigned Value="0006" />'
+       <OctetString Value="FFFF0106FF" />'
+       <Unsigned Value="02" />'
+       </Structure>'
+       <Structure Qty="03" >'
+       <LongUnsigned Value="0007" />'
+       <OctetString Value="FFFF0107FF" />'
+       <Unsigned Value="02" />'
+       </Structure>'
+       <Structure Qty="03" >'
+       <LongUnsigned Value="0008" />'
+       <OctetString Value="FFFF0108FF" />'
+       <Unsigned Value="02" />'
+       </Structure>'
+       <Structure Qty="03" >'
+       <LongUnsigned Value="0009" />'
+       <OctetString Value="FFFF0109FF" />'
+       <Unsigned Value="02" />'
+       </Structure>'
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+       <LongUnsigned Value="000A" />'
+       <OctetString Value="FFFF010AFF" />'
+       <Unsigned Value="02" />'
+       </Structure>'
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+       <OctetString Value="FFFF0201FF" />'
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+       <Structure Qty="03" >'
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+       <OctetString Value="FFFF0202FF" />'
+       <Unsigned Value="02" />'

```

```

+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="000D" />'
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+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="000E" />'
+'        <OctetString Value="FFFF0204FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="000F" />'
+'        <OctetString Value="FFFF0205FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0010" />'
+'        <OctetString Value="FFFF0206FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0011" />'
+'        <OctetString Value="FFFF0207FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0012" />'
+'        <OctetString Value="FFFF0208FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0013" />'
+'        <OctetString Value="FFFF0209FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0014" />'
+'        <OctetString Value="FFFF020AFF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0015" />'
+'        <OctetString Value="FFFF0301FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0016" />'
+'        <OctetString Value="FFFF0302FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0017" />'
+'        <OctetString Value="FFFF0303FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0018" />'
+'        <OctetString Value="FFFF0304FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0019" />'
+'        <OctetString Value="FFFF0305FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="001A" />'
+'        <OctetString Value="FFFF0306FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="001B" />'

```

```

+'          <OctetString Value="FFFF0307FF" />'
+'          <Unsigned Value="02" />'
+'        </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="001C" />'
+'        <OctetString Value="FFFF0308FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'    <Structure Qty="03" >'
+'      <LongUnsigned Value="001D" />'
+'      <OctetString Value="FFFF0309FF" />'
+'      <Unsigned Value="02" />'
+'    </Structure>'
+'  <Structure Qty="03" >'
+'    <LongUnsigned Value="001E" />'
+'    <OctetString Value="FFFF030AFF" />'
+'    <Unsigned Value="02" />'
+'  </Structure>'
+' </Array>'
+' </Data>'
+'
+'  }
+'
+' }

```

```

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

  ImageTransfer =
  {
    ImageIdentifier = '\KFM'
    ImageFileName = '\upgrade test.bin'
    Timeout = 120000
  }

  PushTimeout = 60000
  MinInterWPDUFramesDelay = 1000
  ProfilePeriodsQty = 6
  CaptureDelay = 10000
  ClipCallDuration = 20000
  WakeUpDelay = 30000
  DisconnectToSendSMSDelay = 10000
  DataNotificationToDisconnectDelay = 4000
}

```

```

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
    Password = '\12345678'
  }
  PreEstablished = {
    Policy = AUTHENTICATION_AND_ENCRYPTION
    ServerMaxReceivePduSize = 1224
    CipheringStyle = GENERAL
  }
}

```

```

RemoteSecurityElements = {
  Public = {
    ContextName = LONG_NAMES

```

```

MechanismName = LOWEST_LEVEL_SECURITY
Policy = NO_SECURITY
}
Management = {
ContextName = LONG_NAMES_WITH_CIPHERING
MechanismName = HIGH_LEVEL_SECURITY_GMAC
Policy = AUTHENTICATION_AND_ENCRYPTION
Password = '\12345678'
}
PreEstablished = {
Policy = AUTHENTICATION_AND_ENCRYPTION
ServerMaxReceivePduSize = 1224
CipheringStyle = GENERAL
}
}

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

HDLCPProfile = {

PhysicalLayer = {
OpeningMode = DIRECT_HDLC
HdlcBaud = 9600
}
DataLinkLayer = {
InactivityTimeout           = 120000
InterFrameTimeout           = 100
ResponseTimeout              = 5000
DISCToNDMTimeout            = 120000
AddressingSchemes            = [TWO_BYTES_ADDRESSING]
ServerLowerMACAddress        = 0x11
}

UIFrameDelay = 2000
UIFrameLength = 126
}

TCPProfile = {
ServerTCPPort = 4059
ResponseTimeout = 30000
ConnectTimeout = 5000
DisconnectToConnectDelay = 3000
}

// 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:                TCP
Test Plan Signature:      DACF66B3C5D3456427BD1C6419F470BD
Object Model:             IDIS-S02-002 - object model Pack2 Ed2.0 - V2.29 (20200831)-FIT MBUS
Tests G350 (CorrectedAndValve status).xlsx
DUT system title:        4B464D667089549A
Run number:               1794

```