

Final Interoperability Test Report

FIT #: **63**
Date: 23/09/2021
Location: DNV-GL, Arnhem, Netherlands
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APPLICANT

Company: *XJ Metering Co., Ltd*

Smart Grid Industrial Park, the Crossing of Weiwu and Shangde

Address: Road, Xuchang, Henan, China 461100

DEVICE

Device type	DTZY566-M	
Type indication on MID certificate	MID Certificate No.	
DDZY556-M	1253-21	
IDIS Specification reference	DNV-gl IDIS Certification run No	Digital signature of the test report.
Package 2 ed. 2.0	1509	4DEEDD167C873DA8A76444E3C8603F91
First certification	IDIS Label	Modular device
☒	0072	☐
General information about the device		

FIRMWARE VERSIONS TESTED				Final Interoperability Test No. 63
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	Verdict
1	\am300-L-B0500202	\am300-N-B0500202		Passed

Honeywell

Iskraemeco d.d.

Itron

Landis+Gyr AG

Fit #63

Device: XJ Metering DTZY566-M

DNV-GL, Arnhem, Netherlands, 23.09.2021

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FIRMWARE VERSIONS HISTORY				Final Integration Test	
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	No.	Verdict
1	\aM300-L-B0500202	\aM300-N-B0500202		63	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		

IDIS Conformance test report		
23-SEP-2021 12:12:26		
iCTT2 Package 2, Edition 2.0, Revision 1 (136)		
Licensed to: KEMA-IDIS Cert.		
Tester: Tom Levels		

* Identification *		

Manufacturer = {		
Name = '\XJ Metering Co.,Ltd'		
ThreeLettersId = '\XJM'		
}		
DeviceUnderTest = {		
Type = '\DTZY566-M'		
IDISDeviceType = 103		
IDISFunctionType = [EXTENSION_D, EXTENSION_L, EXTENSION_M]		
SerialNr = 3684408		
IPVersion = IPV4		
DataLinkLayer = GPRS		
ConsumerInformationPush = FALSE		
SMSSupported = FALSE		
ClipCallSupported = FALSE		
}		
Active firmware identifier (1-0:0.2.0.255) = \aM300-L-B0500202		
Active firmware identifier 1 (1-1:0.2.0.255) = \aM300-N-B0500202		

* Summary *		

PASSED	266	
FAILED	0	
DISABLED	0	
INAPPLICABLE	9	
INCONCLUSIVE	0	
FATAL	0	
TOTAL	275	

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

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

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="\00000016" />
</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="\00000016" />
</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="\3" />
</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="\4" />
</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="\5" />
</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="\6" />
</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="\XJM1030703684408" />
    </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="\XJM1030703684408" />
        </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="\aM300-L-B0500202" />
    </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="A9FC0332" />
    </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="\aM300-N-B0500202" />
    </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="8018203F" />
    </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="07E50917FF0E0000FF8000FF" />
</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="07E50917040E000100FF8880" />
</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>
    <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>
  </Array>
</Structure>
```

```

        <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: 26-AUG-2020 15:06:13, latest date: 30-OCT-2022 03:00:00
    Middle date: 23-SEP-2021 12:10:01
(3) .entries_in_use PASSED
    <Data>
      <DoubleLongUnsigned value="0000005B" />
    </Data>
(4) .profile_entries PASSED
    <Data>
      <DoubleLongUnsigned value="000000C8" />
    </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: 23-SEP-2021 11:11:45, latest date: 23-SEP-2021 14:03:59
    Middle date: 23-SEP-2021 11:11:45
(7) .entries_in_use PASSED
    <Data>
      <DoubleLongUnsigned value="00000009" />
    </Data>
(8) .profile_entries PASSED
    <Data>
      <DoubleLongUnsigned value="000001F4" />
    </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: 26-AUG-2020 15:06:14, latest date: 23-SEP-2021 12:11:09
    Middle date: 29-JUL-2021 15:18:46
(11) .entries_in_use PASSED
    <Data>
      <DoubleLongUnsigned value="0000005D" />
    </Data>
(12) .profile_entries PASSED
    <Data>
      <DoubleLongUnsigned value="000000C8" />
    </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: 20-JUL-2021 16:19:35, latest date: 23-SEP-2021 12:22:50
    Middle date: 22-SEP-2021 12:10:05
(15) .entries_in_use PASSED
    <Data>
    <DoubleLongUnsigned value="000000B6" />
    </Data>
(16) .profile_entries PASSED
    <Data>
    <DoubleLongUnsigned value="000000C8" />
    </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: 22-JUL-2021 22:03:20, latest date: 16-SEP-2021 16:24:30
    Middle date: 05-AUG-2021 08:10:55
(19) .entries_in_use PASSED
    <Data>
    <DoubleLongUnsigned value="00000011" />
    </Data>
(20) .profile_entries PASSED
    <Data>
    <DoubleLongUnsigned value="000000C8" />
    </Data>

*****
Test Case 11 : Reading Data of Billing Period 1, 8 item(s)
*****

Mngmt Get Data of billing period 1 0-0:98.1.0.255 (@158)
(1) .logical_name PASSED
    <Data>
    <OctetString value="0000620100FF" />
    </Data>
(2) .buffer PASSED
    Earliest date: 01-SEP-2020 00:00:00, latest date: 01-NOV-2022 00:00:00
    Middle date: 01-OCT-2021 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>
(6) .sort_object PASSED
    <Data>
        <Structure Qty="0004" >
            <LongUnsigned value="0008" />
            <OctetString value="0000010000FF" />
            <Integer value="02" />
            <LongUnsigned value="0000" />
        </Structure>
    </Data>
(7) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned value="0000000F" />
    </Data>
(8) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned value="00000018" />
    </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="0004" >
            <Structure Qty="0002" >
                <OctetString value="\L" />
                <OctetString value="933A" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString value="8940" />
                <OctetString value="FD1A" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString value="" />
                <OctetString value="" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString value="" />
                <OctetString value="" />
            </Structure>
        </Array>
    </Data>
(8) .capture_period PASSED
    <Data>
        <DoubleLongUnsigned value="00000E10" />
    </Data>
(9) .primary_address PASSED
    <Data>
        <Unsigned value="01" />
    </Data>
(10) .identification_number PASSED

```


</Data>	
(26) .access_number	PASSED
<Data>	
<Unsigned value="00" />	
</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="0004" >	
<Structure Qty="0002" >	
<OctetString value="\L" />	
<OctetString value="933A" />	
</Structure>	
<Structure Qty="0002" >	
<OctetString value="8940" />	
<OctetString value="FD1A" />	
</Structure>	
<Structure Qty="0002" >	
<OctetString value="" />	
<OctetString value="" />	
</Structure>	
<Structure Qty="0002" >	
<OctetString value="" />	
<OctetString value="" />	
</Structure>	
</Array>	
</Data>	
(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="00047BB4" />	
</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="00" />	
</Data>	
(39) .status	PASSED
<Data>	
<Unsigned value="00" />	
</Data>	
(40) .alarm	PASSED
<Data>	
<Unsigned value="00" />	
</Data>	

```

Mngmt Get M-Bus client channel 4 0-4:24.1.0.255 (@1640)
(41) .logical_name PASSED
    <Data>
    <OctetString value="0004180100FF" />
    </Data>
(42) .mbus_port_reference PASSED
    <Data>
    <OctetString value="0000180600FF" />
    </Data>
(43) .capture_definition PASSED
    <Data>
    <Array Qty="0004" >
    <Structure Qty="0002" >
    <OctetString value="\L" />
    <OctetString value="933A" />
    </Structure>
    <Structure Qty="0002" >
    <OctetString value="8940" />
    <OctetString value="FD1A" />
    </Structure>
    <Structure Qty="0002" >
    <OctetString value="" />
    <OctetString value="" />
    </Structure>
    <Structure Qty="0002" >
    <OctetString value="" />
    <OctetString value="" />
    </Structure>
    </Array>
    </Data>
(44) .capture_period PASSED
    <Data>
    <DoubleLongUnsigned value="00000E10" />
    </Data>
(45) .primary_address PASSED
    <Data>
    <Unsigned value="04" />
    </Data>
(46) .identification_number PASSED
    <Data>
    <DoubleLongUnsigned value="00047BB3" />
    </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="00" />
    </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="00000F3D" />
    </Data>
(3) .scalar_unit PASSED

```

```

        <Data>
          <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="07E5091704080A0500FF8880" />
        </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="04" />
        </Data>
(10) .capture_time PASSED
        <Data>
          <OctetString Value="07E5091704080A0500FF8880" />
        </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="00000B39" />
        </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="07E5091704080B0500FF8880" />
        </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="04" />	
</Data>	
(20) .capture_time	PASSED
<Data>	
<OctetString value="07E5091704080B0500FF8880" />	
</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="00000E2F" />	
</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="07E5091704080C0400FF8880" />	
</Data>	
Mngmt Get M-Bus Value channel 3, instance 2 0-3:24.2.2.255 (@1734)	
(26) .logical_name	PASSED
<Data>	
<OctetString value="0003180202FF" />	
</Data>	
(27) .value	PASSED
<Data>	
<DoubleLongUnsigned value="00000001" />	
</Data>	
(28) .scaler_unit	PASSED
<Data>	
<Structure Qty="0002" >	
<Integer value="00" />	
<Enum value="FF" />	
</Structure>	
</Data>	
(29) .status	PASSED
<Data>	
<Unsigned value="04" />	
</Data>	
(30) .capture_time	PASSED
<Data>	
<OctetString value="07E5091704080C0400FF8880" />	
</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="00000A7D" />	
</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="07E5091704080D0500FF8880" />
    </Data>

Mngmt Get M-Bus Value channel 4, instance 2 0-4:24.2.2.255 (@1766)
(36) .logical_name PASSED
    <Data>
        <OctetString value="0004180202FF" />
    </Data>
(37) .value PASSED
    <Data>
        <DoubleLongUnsigned value="00000001" />
    </Data>
(38) .scaler_unit PASSED
    <Data>
        <Structure Qty="0002" >
            <Integer value="00" />
            <Enum value="FF" />
        </Structure>
    </Data>
(39) .status PASSED
    <Data>
        <Unsigned value="04" />
    </Data>
(40) .capture_time PASSED
    <Data>
        <OctetString value="07E5091704080D0500FF8880" />
    </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="" />
    </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="" />
    </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="" />
    </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="" />
    </Data>

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

```

```

Mngmt Get M-Bus Device ID 2 channel 2 0-2:96.1.1.255 (@1810)
(11) .logical_name PASSED
    <Data>
    <OctetString value="0002600101FF" />
    </Data>
(12) .value PASSED
    <Data>
    <OctetString value="" />
    </Data>

Mngmt Get M-Bus Device ID 2 channel 3 0-3:96.1.1.255 (@1814)
(13) .logical_name PASSED
    <Data>
    <OctetString value="0003600101FF" />
    </Data>
(14) .value PASSED
    <Data>
    <OctetString value="" />
    </Data>

Mngmt Get M-Bus Device ID 2 channel 4 0-4:96.1.1.255 (@1818)
(15) .logical_name PASSED
    <Data>
    <OctetString value="0004600101FF" />
    </Data>
(16) .value PASSED
    <Data>
    <OctetString value="" />
    </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: 16-SEP-2021 17:00:00, latest date: 30-OCT-2022 04:00:00
    Middle date: 23-SEP-2021 08:00:00
(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="0001180201FF" />
    <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="0001180203FF" />
    <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>

```

```

        </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="0008" />
            <OctetString value="0000010000FF" />
            <Integer value="02" />
            <LongUnsigned value="0000" />
        </Structure>
    </Data>
(7) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned value="00000052" />
    </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: 16-SEP-2021 17:00:00, latest date: 30-OCT-2022 04:00:00
    Middle date: 23-SEP-2021 08:00:00
(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="0002180201FF" />
                <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="0002180203FF" />
                <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>

```

</Data>	
(13) .sort_method	PASSED
<Data>	
<Enum value="01" />	
</Data>	
(14) .sort_object	PASSED
<Data>	
<Structure Qty="0004" >	
<LongUnsigned value="0008" />	
<OctetString value="0000010000FF" />	
<Integer value="02" />	
<LongUnsigned value="0000" />	
</Structure>	
</Data>	
(15) .entries_in_use	PASSED
<Data>	
<DoubleLongUnsigned value="00000052" />	
</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: 16-SEP-2021 17:00:00, latest date: 30-OCT-2022 04:00:00	
Middle date: 23-SEP-2021 08:00:00	
(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="0003180201FF" />	
<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="0003180203FF" />	
<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="0008" />
        <OctetString value="0000010000FF" />
        <Integer value="02" />
        <LongUnsigned value="0000" />
      </Structure>
    </Data>
(23) .entries_in_use PASSED
    <Data>
      <DoubleLongUnsigned value="00000052" />
    </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: 16-SEP-2021 17:00:00, latest date: 30-OCT-2022 04:00:00
    Middle date: 23-SEP-2021 08:00:00
(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="0004180201FF" />
          <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="0004180203FF" />
          <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="0008" />
        <OctetString value="0000010000FF" />
        <Integer value="02" />
        <LongUnsigned value="0000" />
      </Structure>
    </Data>

```

```

    </Structure>
  </Data>
(31) .entries_in_use PASSED
    <Data>
      <DoubleLongUnsigned value="00000052" />
    </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: 22-JUL-2021 22:37:31, latest date: 22-JUL-2021 22:38:40
    Middle date: 22-JUL-2021 22:38:20
(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="0008" />
        <OctetString value="0000010000FF" />
        <Integer value="02" />
        <LongUnsigned value="0000" />
      </Structure>
    </Data>
(7) .entries_in_use PASSED
    <Data>
      <DoubleLongUnsigned value="00000005" />
    </Data>
(8) .profile_entries PASSED
    <Data>
      <DoubleLongUnsigned value="000000C8" />
    </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: 22-JUL-2021 22:37:31, latest date: 22-JUL-2021 22:38:41
    Middle date: 22-JUL-2021 22:38:21
(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="0008" />
            <OctetString value="0000010000FF" />
            <Integer value="02" />
            <LongUnsigned value="0000" />
        </Structure>
    </Data>
(15) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned value="00000005" />
    </Data>
(16) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned value="000000C8" />
    </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: 22-JUL-2021 22:37:32, latest date: 22-JUL-2021 22:38:41
    Middle date: 22-JUL-2021 22:38:21
(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="0008" />
            <OctetString value="0000010000FF" />
            <Integer value="02" />
            <LongUnsigned value="0000" />
        </Structure>
    </Data>
(23) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned value="00000005" />
    </Data>

```

```

    </Data>
(24) .profile_entries PASSED
    <Data>
      <DoubleLongUnsigned value="000000c8" />
    </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: 22-JUL-2021 22:37:32, latest date: 22-JUL-2021 22:38:42
    Middle date: 22-JUL-2021 22:38:21

(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="0008" />
        <OctetString value="0000010000FF" />
        <Integer value="02" />
        <LongUnsigned value="0000" />
      </Structure>
    </Data>

(31) .entries_in_use PASSED
    <Data>
      <DoubleLongUnsigned value="00000005" />
    </Data>

(32) .profile_entries PASSED
    <Data>
      <DoubleLongUnsigned value="000000c8" />
    </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: 26-AUG-2020 15:05:16, latest date: 23-SEP-2021 12:06:32
    Middle date: 16-SEP-2021 16:44:06

(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>

```

```

    </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="0008" />
            <OctetString value="0000010000FF" />
            <Integer value="02" />
            <LongUnsigned value="0000" />
        </Structure>
    </Data>
(39) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned value="0000000D" />
    </Data>
(40) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned value="000000C8" />
    </Data>

```

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

```

Mngmt Get M-Bus Master Disconnect control object 1 0-1:24.4.0.255 (@1882)
(1) .logical_name PASSED
    <Data>
        <OctetString value="0001180400FF" />
    </Data>
(2) .output_state PASSED
    <Data>
        <Boolean value="00" />
    </Data>
(3) .control_state PASSED
    <Data>
        <Enum value="02" />
    </Data>
(4) .control_mode PASSED
    <Data>
        <Enum value="06" />
    </Data>

Mngmt Get M-Bus Master Disconnect control object 2 0-2:24.4.0.255 (@1890)
(5) .logical_name PASSED
    <Data>
        <OctetString value="0002180400FF" />
    </Data>
(6) .output_state PASSED
    <Data>
        <Boolean value="00" />
    </Data>
(7) .control_state PASSED
    <Data>
        <Enum value="02" />
    </Data>
(8) .control_mode PASSED
    <Data>
        <Enum value="06" />
    </Data>

Mngmt Get M-Bus Master Disconnect control object 3 0-3:24.4.0.255 (@1898)
(9) .logical_name PASSED
    <Data>
        <OctetString value="0003180400FF" />
    </Data>
(10) .output_state PASSED
    <Data>
        <Boolean value="00" />
    </Data>
(11) .control_state PASSED
    <Data>
        <Enum value="02" />
    </Data>
(12) .control_mode PASSED

```

```

    <Data>
      <Enum value="06" />
    </Data>

Mngmt Get M-Bus Master Disconnect control object 4 0-4:24.4.0.255 (@1906)
(13) .logical_name PASSED
    <Data>
      <OctetString value="0004180400FF" />
    </Data>
(14) .output_state PASSED
    <Data>
      <Boolean value="00" />
    </Data>
(15) .control_state PASSED
    <Data>
      <Enum value="02" />
    </Data>
(16) .control_mode PASSED
    <Data>
      <Enum value="06" />
    </Data>

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

Mngmt Get M-Bus Disconnect script table 0-1:10.0.106.255 (@1920)
(21) .logical_name PASSED
    <Data>
      <OctetString value="00010A006AFF" />
    </Data>
(22) .scripts PASSED
    <Data>
      <Array Qty="0010" >
        <Structure Qty="0002" >
          <LongUnsigned value="0001" />
          <Array Qty="0001" >
            <Structure Qty="0005" >
              <Enum value="01" />
              <LongUnsigned value="0046" />
              <OctetString value="0001180400FF" />
              <Integer value="03" />
              <Enum value="02" />
            </Structure>
          </Array>
        </Structure>
        <Structure Qty="0002" >
          <LongUnsigned value="0002" />
          <Array Qty="0001" >
            <Structure Qty="0005" >
              <Enum value="01" />
              <LongUnsigned value="0046" />
              <OctetString value="0001180400FF" />
              <Integer value="03" />
              <Enum value="01" />
            </Structure>
          </Array>
        </Structure>
      </Array>
    </Data>

```

```

<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" />
      <Enum value="00" />
    </Structure>
  </Array>
</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" />
      <Enum 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" />
      <Enum 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" />
      <Enum 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" />
      <Enum 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" />
      <Enum 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" />
      <Enum 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" />
        <Enum 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
    (2) Push on alarm
    (3) Push on power down
INAPPLICABLE
        Push setup on power down not available
PASSED
PASSED

*****
Test Case 20 : FIT Miscellaneous, 4 item(s)
*****
    (1) Disconnect Script Table
    (2) Load profile with period 1 DST ambiguity
    (3) Load profile power down withing one period
    (4) Load profile power down over two periods
PASSED
PASSED
PASSED
PASSED

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

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

Manufacturer = {
    Name = 'XJ Metering Co.,Ltd'
    ThreeLettersId = 'XJM'
}

DeviceUnderTest = {
    Type = 'DTZY566-M'
    IDISDeviceType = 103
    IDISFunctionType = [Extension_D, Extension_L, Extension_M]
    SerialNr = 03684408
    IPVersion = IPV4
    DataLinkLayer = GPRS
    ConsumerInformationPush = FALSE
    SMSSupported = FALSE
    ClipCallSupported = FALSE
}

TestOptions = {
    DUTTelNr = '+31658021896'
}

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="07E50917FF0E0000FF8000FF" /></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>'
+ '        <Structure Qty="03" >'
+ '          <LongUnsigned value="000A" />'
+ '          <OctetString value="FFFF010AFF" />'
+ '          <Unsigned value="02" />'
+ '        </Structure>'
+ '        <Structure Qty="03" >'
+ '          <LongUnsigned value="000B" />'

```

```

+ '      <OctetString value="FFFF0201FF" />'
+ '      <Unsigned value="02" />'
+ '    </Structure>'
+ '    <Structure Qty="03" >'
+ '      <LongUnsigned value="000C" />'
+ '      <OctetString value="FFFF0202FF" />'
+ '      <Unsigned value="02" />'
+ '    </Structure>'
+ '    <Structure Qty="03" >'
+ '      <LongUnsigned value="000D" />'
+ '      <OctetString value="FFFF0203FF" />'
+ '      <Unsigned value="02" />'
+ '    </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" />'
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+ '    </Structure>'
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+ '    <Structure Qty="03" >'
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+ '      <LongUnsigned value="0018" />'
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+ '    <Structure Qty="03" >'
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+ '    <Structure Qty="03" >'
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+ '      <Unsigned value="02" />'
+ '    </Structure>'
+ '    <Structure Qty="03" >'
+ '      <LongUnsigned value="001B" />'
+ '      <OctetString value="FFFF0307FF" />'

```



```

    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      = 10000
        InterFrameTimeout      = 400
        ResponseTimeout        = 10000
        DISCTONDMTimeout       = 180000
        AddressingSchemes      = [FOUR_BYTES_ADDRESSING]
        ServerLowerMACAddress   = 0x10
        LastRecToNextSendDelay = 0
    }

    UIFrameDelay = 2000

    UIFrameLength = 126
}

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

// Mandatory parameters of the "Remote" G3-PLC profile
G3PLCProfile = {
    FrequencyBand = FCC
    ResponseTimeout = 15000
    UDPPort = 61616
    ConnectTimeout = 10000
    PSK = "0000000000000000059544C50534B0000"
}

// 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:  584A4D6770383838
Run number:        1509

```