

Final Interoperability Test Report

FIT #: **108**
 Date: 2/10/2023
 Location: DNV, Arnhem, Netherlands
 Page 1 of 30

APPLICANT

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

Address: No.99 Tianquan Rd., Hi-Tech Development Zone, Chengdu, P.R.C. (PC.611731)

DEVICE		
Device type	MA309M	
Type indication on MID certificate	MID Certificate No.	
MA309M	T12106R6	
IDIS Specification reference	DNV IDIS Certification run No	Digital signature of the test report.
Package 2 ed. 2.0	2248	COA7FE1A335F22865F55C103E118F342
First certification	IDIS Label	Modular device
<input type="checkbox"/>	0055-3	<input type="checkbox"/>
General information about the device		

FIRMWARE VERSIONS TESTED				Final Interoperability Test No. 110
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	Verdict
3	100001	110014	096011	Passed

 Honeywell

 Iskraemeco d.d.

 Itron

 Landis+Gyr AG

FIRMWARE VERSIONS HISTORY				<i>Final Integration Test</i>	
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	No.	Verdict
1	V096011	105202	115207	45	Passed
2	400009	415217		84	Passed
3	100001	110014	096011	108	Passed

TEST REPORT - Firmware No. 1		
<i>Test</i>	<i>Verdict</i>	<i>Remark</i>
Connect and release	Passed	
All Device IDs	Passed	
COSEM logical device name	Passed	
SAP assignment	Passed	
FW version and signature	Passed	3 FW IDs, 2 Signatures
All Device ID's	Passed	
Broadcast Date and time	Passed	
Broadcast Special Days Table	Passed	
Event logs	Passed	
Billing data period 1	Passed	
M-Bus Channel Setup	Not Tested	
M-Bus Results	Not Tested	
M-Bus Devices IDs	Not Tested	
M-Bus profiles	Not Tested	
M-Bus Load profiles	Not Tested	
M-Bus control logs	Not Tested	
M-Bus Disconnect log	Not Tested	
FIT Push	Passed	Push on Power Down not available
FIT Miscellaneous	Passed	
Optical Port Connectivity	Passed	
Consumer Information Interface	Passed	
FIT Conformance Test Report		
<pre> ***** IDIS Conformance test report 28-SEP-2023 10:16:31 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 = '\MA309M' IDISDeviceType = 103 IDISFunctionType = [EXTENSION_D] SerialNr = 99000059 IPVersion = IPV6 DataLinkLayer = G3 ConsumerInformationPush = FALSE EUI64Address = '10E77AFFFE98C550' } Active firmware identifier (1-0:0.2.0.255) = \100001 Active firmware identifier 1 (1-1:0.2.0.255) = \110014 </pre>		

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Active firmware identifier 2 (1-2:0.2.0.255) = \096011

*****
* Summary *
*****

PASSED                68
FAILED                0
DISABLED              0
INAPPLICABLE         205
INCONCLUSIVE         0
FATAL                0
TOTAL                273

*****
Test Case 1 : Connect and release, 4 item(s)
*****
(1) Connect Public           PASSED
(2) Release Public          PASSED
(3) Connect Management     PASSED
(4) Release Management     PASSED

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

Mngmt Get Device ID 1, manufacturing number 0-0:96.1.0.255 (@46)
(1) .logical_name           PASSED
    <Data>
      <OctetString Value="0000600100FF" />
    </Data>
(2) .value                 PASSED
    <Data>
      <OctetString Value="\99000059" />
    </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="\230399000059" />
    </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>

```

<pre> <OctetString Value="" /> </Data> Mngmt Get Device ID 6, IDIS certification number 0-0:96.1.5.255 (@66) (11) .logical_name <Data> <OctetString Value="0000600105FF" /> </Data> (12) .value <Data> <OctetString Value="" /> </Data> </pre>	PASSED
<p>***** Test Case 3 : Read COSEM Logical Device Name, 2 item(s) *****</p>	
<pre> Mngmt Get COSEM logical device name 0-0:42.0.0.255 (@42) (1) .logical_name <Data> <OctetString Value="00002A0000FF" /> </Data> (2) .value <Data> <OctetString Value="\KFM1030199000059" /> </Data> </pre>	PASSED
<p>***** Test Case 4 : Read SAP Assignment, 2 item(s) *****</p>	
<pre> Mngmt Get SAP Assignment 0-0:41.0.0.255 (@4) (1) .logical_name <Data> <OctetString Value="0000290000FF" /> </Data> (2) .SAP_assignment_list <Data> <Array Qty="0001" > <Structure Qty="0002" > <LongUnsigned Value="0001" /> <OctetString Value="\KFM1030199000059" /> </Structure> </Array> </Data> </pre>	PASSED
<p>***** Test Case 5 : Read Active FW Version, 12 item(s) *****</p>	
<pre> Mngmt Get Active firmware identifier 1-0:0.2.0.255 (@412) (1) .logical_name <Data> <OctetString Value="0100000200FF" /> </Data> (2) .value <Data> <OctetString Value="\100001" /> </Data> </pre>	PASSED
<pre> Mngmt Get Active firmware signature 1-0:0.2.8.255 (@416) (3) .logical_name <Data> <OctetString Value="0100000208FF" /> </Data> (4) .value <Data> <OctetString Value="E81046B9" /> </Data> </pre>	PASSED
<pre> Mngmt Get Active firmware identifier 1 1-1:0.2.0.255 (@420) (5) .logical_name <Data> </pre>	PASSED

```

        <OctetString Value="0101000200FF" />
    </Data>
(6) .value PASSED
    <Data>
        <OctetString Value="\110014" />
    </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="F8CBBDDA" />
    </Data>

Mngmt Get Active firmware identifier 2 1-2:0.2.0.255 (@428)
(9) .logical_name PASSED
    <Data>
        <OctetString Value="0102000200FF" />
    </Data>
(10) .value PASSED
    <Data>
        <OctetString Value="\096011" />
    </Data>

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="07E70912FF120000FF8000FF" />
    </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="07E709120112000100800080" />
    </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="001E" />
                <OctetString Value="FFFF0101FF" />
                <Unsigned Value="02" />
            </Structure>
            <Structure Qty="0003" >
                <LongUnsigned Value="001D" />
                <OctetString Value="FFFF0102FF" />
                <Unsigned Value="02" />
            </Structure>
        </Array>
    </Data>

```

```

<Structure Qty="0003" >
  <LongUnsigned Value="001C" />
  <OctetString Value="FFFF0103FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="001B" />
  <OctetString Value="FFFF0104FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="001A" />
  <OctetString Value="FFFF0105FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0019" />
  <OctetString Value="FFFF0106FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0018" />
  <OctetString Value="FFFF0107FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0017" />
  <OctetString Value="FFFF0108FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0016" />
  <OctetString Value="FFFF0109FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0015" />
  <OctetString Value="FFFF010AFF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0014" />
  <OctetString Value="FFFF0201FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0013" />
  <OctetString Value="FFFF0202FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0012" />
  <OctetString Value="FFFF0203FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0011" />
  <OctetString Value="FFFF0204FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0010" />
  <OctetString Value="FFFF0205FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="000F" />
  <OctetString Value="FFFF0206FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="000E" />
  <OctetString Value="FFFF0207FF" />

```

```

    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="000D" />
    <OctetString Value="FFFF0208FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="000C" />
    <OctetString Value="FFFF0209FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="000B" />
    <OctetString Value="FFFF020AFF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="000A" />
    <OctetString Value="FFFF0301FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0009" />
    <OctetString Value="FFFF0302FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0008" />
    <OctetString Value="FFFF0303FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0007" />
    <OctetString Value="FFFF0304FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0006" />
    <OctetString Value="FFFF0305FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0005" />
    <OctetString Value="FFFF0306FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0004" />
    <OctetString Value="FFFF0307FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0003" />
    <OctetString Value="FFFF0308FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0002" />
    <OctetString Value="FFFF0309FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF030AFF" />
    <Unsigned Value="02" />
  </Structure>
</Array>
</Data>

```

```

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

```


Mngmt Get Special Days Table 0-0:11.0.0.255 (@125)
(1) .entries

PASSED

```

<Data>
  <Array Qty="001E" >
    <Structure Qty="0003" >
      <LongUnsigned Value="001E" />
      <OctetString Value="FFFF0101FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="001D" />
      <OctetString Value="FFFF0102FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="001C" />
      <OctetString Value="FFFF0103FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="001B" />
      <OctetString Value="FFFF0104FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="001A" />
      <OctetString Value="FFFF0105FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0019" />
      <OctetString Value="FFFF0106FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0018" />
      <OctetString Value="FFFF0107FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0017" />
      <OctetString Value="FFFF0108FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0016" />
      <OctetString Value="FFFF0109FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0015" />
      <OctetString Value="FFFF010AFF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0014" />
      <OctetString Value="FFFF0201FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0013" />
      <OctetString Value="FFFF0202FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0012" />
      <OctetString Value="FFFF0203FF" />
      <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
      <LongUnsigned Value="0011" />
      <OctetString Value="FFFF0204FF" />

```

```

    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0010" />
    <OctetString Value="FFFF0205FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="000F" />
    <OctetString Value="FFFF0206FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="000E" />
    <OctetString Value="FFFF0207FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="000D" />
    <OctetString Value="FFFF0208FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="000C" />
    <OctetString Value="FFFF0209FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="000B" />
    <OctetString Value="FFFF020AFF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="000A" />
    <OctetString Value="FFFF0301FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0009" />
    <OctetString Value="FFFF0302FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0008" />
    <OctetString Value="FFFF0303FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0007" />
    <OctetString Value="FFFF0304FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0006" />
    <OctetString Value="FFFF0305FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0005" />
    <OctetString Value="FFFF0306FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0004" />
    <OctetString Value="FFFF0307FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0003" />
    <OctetString Value="FFFF0308FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >

```

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        <LongUnsigned Value="0002" />
        <OctetString Value="FFFF0309FF" />
        <Unsigned Value="02" />
    </Structure>
    <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF030AFF" />
        <Unsigned Value="02" />
    </Structure>
</Array>
</Data>

```

Test Case 10 : Read Event Log Buffers, 20 item(s)

```

Mngmt Get Disconnecter Control Log 0-0:99.98.2.255 (@193)
(1) .logical_name PASSED
    <Data>
        <OctetString Value="0000636202FF" />
    </Data>
(2) .buffer PASSED
    Earliest date: 13-APR-2023 15:39:01, latest date: 11-MAY-2024 23:59:56
    Middle date: 14-SEP-2023 09:24:36
(3) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="00000024" />
    </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: 08-SEP-2023 23:59:55, latest date: 15-JUN-2024 03:16:13
    Middle date: 02-JAN-2024 00:00:06
(7) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="000000C8" />
    </Data>
(8) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="000000C8" />
    </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: 13-APR-2023 15:39:07, latest date: 28-SEP-2023 08:50:22
    Middle date: 14-SEP-2023 09:34:47
(11) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="00000026" />
    </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: 13-APR-2023 15:39:07, latest date: 28-SEP-2023 10:12:26
Middle date: 14-SEP-2023 11:26:13
(15) .entries_in_use PASSED
    <Data>
      <DoubleLongUnsigned Value="00000022" />
    </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: 13-APR-2023 15:39:07, latest date: 11-JUN-2024 23:59:55
Middle date: 01-OCT-2023 23:59:55
(19) .entries_in_use PASSED
    <Data>
      <DoubleLongUnsigned Value="00000037" />
    </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: 02-OCT-2023 00:00:00, latest date: 02-APR-2024 00:00:00
Middle date: 02-FEB-2024 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>

```

```

        </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="00000009" />
    </Data>
(8) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="0000000D" />
    </Data>

```

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

```

Mngmt Get M-Bus master port setup 1 0-0:24.6.0.255 (@1566)
(1) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(2) .comm_speed
INAPPLICABLE
    Object is not required according to OM and/or extensions

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

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

```

```

(13) .device_type
INAPPLICABLE
    Object is not required according to OM and/or extensions
(14) .access_number
INAPPLICABLE
    Object is not required according to OM and/or extensions
(15) .status
INAPPLICABLE
    Object is not required according to OM and/or extensions
(16) .alarm
INAPPLICABLE
    Object is not required according to OM and/or extensions

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

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

```

```

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

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

```

```

*****
Test Case 13 : Ext. M - M-Bus Results uncorrected Vol. & valve, 40 item(s)
*****

```

```

Mngmt Get M-Bus Value channel 1, instance 1 0-1:24.2.1.255 (@1662)
(1) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(2) .value
INAPPLICABLE
    Object is not required according to OM and/or extensions
(3) .scaler_unit
INAPPLICABLE
    Object is not required according to OM and/or extensions
(4) .status
INAPPLICABLE
    Object is not required according to OM and/or extensions
(5) .capture_time
INAPPLICABLE

```

```

Object is not required according to OM and/or extensions

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

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

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

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

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

```



```

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

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

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

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

Mngmt Get M-Bus Device ID 1 channel 1 0-1:96.1.0.255 (@1790)
(1) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(2) .value
INAPPLICABLE
    Object is not required according to OM and/or extensions

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

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

```

```

INAPPLICABLE
    Object is not required according to OM and/or extensions

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

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

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

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

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

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

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

```

```

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

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

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

```

```

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

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

Mngmt Get M-Bus Master Control log object 1 0-1:24.5.0.255 (@1941)
(1) .logical_name
INAPPLICABLE
    Object is not required according to OM and/or extensions
(2) .buffer
INAPPLICABLE
    Object is not required according to OM and/or extensions
(3) .capture_objects
INAPPLICABLE
    Object is not required according to OM and/or extensions
(4) .capture_period
INAPPLICABLE
    Object is not required according to OM and/or extensions
(5) .sort_method
INAPPLICABLE
    Object is not required according to OM and/or extensions
(6) .sort_object
INAPPLICABLE
    Object is not required according to OM and/or extensions
(7) .entries_in_use
INAPPLICABLE
    Object is not required according to OM and/or extensions
(8) .profile_entries
INAPPLICABLE
    Object is not required according to OM and/or extensions

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

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

```

```

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

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

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

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

Mngmt Get M-Bus Master Disconnect control object 1 0-1:24.4.0.255 (@1882)
(1) .logical_name
INAPPLICABLE

```

```

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

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

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

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

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

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

```

```

Object is not required according to OM and/or extensions

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

*****
Test Case 19 : FIT Miscellaneous, 4 item(s)
*****
    (1) Disconnecter Script Table          PASSED
    (2) Load profile with period 1 DST ambiguity PASSED
    (3) Load profile power down withing one period PASSED
    (4) Load profile power down over two periods PASSED

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

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

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

DeviceUnderTest =
{
    Type = '\MA309M'
    IDISDeviceType = 103
    IDISFunctionType = [Extension_D]
    SerialNr = 99000059
    IPVersion = IPv6
    DataLinkLayer = G3
    ConsumerInformationPush = FALSE
    EUI64Address = "10E77AFFFE98C550"
}

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

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

ObjectModel =
{
    // Optional objects implemented
    OptionalObjects = '\
    + '1-0:0.9.1.255|1,' // Local Time (@86)
    + '1-0:0.9.2.255|1,' // Local Date (@90)
    + '1-1:0.2.0.255|1,' // Active firmware identifier 1 (@420)
    + '1-1:0.2.8.255|1,' // Active firmware signature 1 (@424)
    + '1-2:0.2.0.255|1,' // Active firmware identifier 2 (@428)
    + '1-0:9.8.0.255|3,' // Apparent energy import (+VA) (QI+QIV) (@497)
    + '1-0:10.8.0.255|3,' // Apparent energy export (-VA) (QII+QIII) (@503)
    + '1-0:5.8.1.255|3,' // Reactive energy (QI) rate 1 (@606)
    + '1-0:5.8.2.255|3,' // Reactive energy (QI) rate 2 (@612)
    + '1-0:5.8.3.255|3,' // Reactive energy (QI) rate 3 (@618)
    + '1-0:5.8.4.255|3,' // Reactive energy (QI) rate 4 (@624)
    + '1-0:6.8.1.255|3,' // Reactive energy (QII) rate 1 (@630)
    + '1-0:6.8.2.255|3,' // Reactive energy (QII) rate 2 (@636)
    + '1-0:6.8.3.255|3,' // Reactive energy (QII) rate 3 (@642)

```

```

+ '1-0:6.8.4.255|3,' // Reactive energy (QII) rate 4 (@648)
+ '1-0:7.8.1.255|3,' // Reactive energy (QIII) rate 1 (@654)
+ '1-0:7.8.2.255|3,' // Reactive energy (QIII) rate 2 (@660)
+ '1-0:7.8.3.255|3,' // Reactive energy (QIII) rate 3 (@666)
+ '1-0:7.8.4.255|3,' // Reactive energy (QIII) rate 4 (@672)
+ '1-0:8.8.1.255|3,' // Reactive energy (QIV) rate 1 (@678)
+ '1-0:8.8.2.255|3,' // Reactive energy (QIV) rate 2 (@684)
+ '1-0:8.8.3.255|3,' // Reactive energy (QIV) rate 3 (@690)
+ '1-0:8.8.4.255|3,' // Reactive energy (QIV) rate 4 (@696)
+ '1-0:9.8.1.255|3,' // Apparent energy import (+VA) rate 1 (@702)
+ '1-0:9.8.2.255|3,' // Apparent energy import (+VA) rate 2 (@708)
+ '1-0:9.8.3.255|3,' // Apparent energy import (+VA) rate 3 (@714)
+ '1-0:9.8.4.255|3,' // Apparent energy import (+VA) rate 4 (@720)
+ '1-0:10.8.1.255|3,' // Apparent energy export (-VA) rate 1 (@726)
+ '1-0:10.8.2.255|3,' // Apparent energy export (-VA) rate 2 (@732)
+ '1-0:10.8.3.255|3,' // Apparent energy export (-VA) rate 3 (@738)
+ '1-0:10.8.4.255|3,' // Apparent energy export (-VA) rate 4 (@744)
+ '1-0:1.5.0.255|4,' // Last Average Demand Register 1 - Active energy import (+A) (@853)
+ '1-0:2.5.0.255|4,' // Last Average Demand Register 2 - Active energy export (-A)
(@861)
+ '1-0:3.5.0.255|4,' // Last Average Demand Register 3 - Reactive energy import (+R)
(@869)
+ '1-0:4.5.0.255|4,' // Last Average Demand Register 4 - Reactive energy export (-R)
(@877)
+ '1-0:14.7.0.255|3,' // Instantaneous net frequency; any phase (@1450)
+ '1-0:9.7.0.255|3,' // Instantaneous apparent import power (+VA) (@1486)
+ '1-0:10.7.0.255|3,' // Instantaneous apparent export power (-VA) (@1492)
+ '1-0:13.7.0.255|3,' // Instantaneous Power factor (+A/+VA) (@1537)
+ '0-0:20.0.0.255|19' // IEC local port setup - IEC Optical port (@2001)

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

InstanceExtraInfo = {
  // Predefined Scripts - MDI reset / end of billing period (@147)
  LogicalName = '0-0:10.0.1.255'
  ClassId = 9
  AttributeExtraInfo = {
    // scripts
    AttributeId = 2
    AccessRights = [GET]
  }
}

InstanceExtraInfo = {
  // End of billing period 1 scheduler (@152)
  LogicalName = '0-0:15.0.0.255'
  ClassId = 22
  AttributeExtraInfo = {
    // type
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Limiter (@225)
  LogicalName = '0-0:17.0.0.255'
  ClassId = 71
  AttributeExtraInfo = {
    // actions
    AttributeId = 11
    AccessRights = [GET,SET]
  }
}

```



```

}

InstanceExtraInfo = {
  // Image transfer (@388)
  LogicalName = '0-0:44.0.0.255'
  ClassId = 18
  AttributeExtraInfo = {
    // image_block_size
    AttributeId = 2
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Predefined Scripts - Image activation (@407)
  LogicalName = '0-0:10.0.107.255'
  ClassId = 9
  AttributeExtraInfo = {
    // scripts
    AttributeId = 2
    AccessRights = [GET]
  }
}

InstanceExtraInfo = {
  // Auto connect (@2163)
  LogicalName = '0-0:2.1.0.255'
  ClassId = 29
  AttributeExtraInfo = {
    // destination_list
    AttributeId = 6
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-0:20.0.0.255'
  ClassId = 19
  AttributeExtraInfo = {
    AttributeId = 7
    SetData = '\<Data><OctetString Value="3132333435363738" /></Data>'
  }
  AttributeExtraInfo = {
    AttributeId = 8
    SetData = '\<Data><OctetString Value="3132333435363738" /></Data>'
  }
  AttributeExtraInfo = {
    AttributeId = 9
    SetData = '\<Data><OctetString Value="3132333435363738" /></Data>'
  }
}

InstanceExtraInfo = {
  LogicalName = '0-0:97.98.0.255'
  ClassId = 1
  AttributeExtraInfo = {
    AttributeId = 2
    SetData = '\<Data><DoubleLongUnsigned Value="00000000" /></Data>'
  }
}

InstanceExtraInfo = {
  LogicalName = '0-0:97.98.1.255'
  ClassId = 1
  AttributeExtraInfo = {
    AttributeId = 2
    SetData = '\<Data><DoubleLongUnsigned Value="00000000" /></Data>'
  }
}

InstanceExtraInfo = {
  LogicalName = '0-0:97.98.2.255'
  ClassId = 1

```

```

    AttributeExtraInfo = {
        AttributeId = 2
        SetData = '\<Data><DoubleLongUnsigned Value="00000000" /></Data>'
    }
}

InstanceExtraInfo = {
    LogicalName = '0-0:97.98.20.255'
    ClassId = 1
    AttributeExtraInfo = {
        AttributeId = 2
        SetData = '\<Data><DoubleLongUnsigned Value="00000000" /></Data>'
    }
}

InstanceExtraInfo = {
    LogicalName = '0-0:97.98.21.255'
    ClassId = 1
    AttributeExtraInfo = {
        AttributeId = 2
        SetData = '\<Data><DoubleLongUnsigned Value="00000000" /></Data>'
    }
}

InstanceExtraInfo = {
    LogicalName = '0-0:97.97.0.255'
    ClassId = 1
    AttributeExtraInfo = {
        AttributeId = 2
        SetData = '\<Data><DoubleLongUnsigned Value="00000000" /></Data>'
    }
}

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 = {
    // G3-PLC MAC Setup (@2217)
    LogicalName = '0-0:29.1.0.255'
    ClassId = 91
    AttributeExtraInfo = {
        // mac_key_table
        AttributeId = 5
        SetData = '\<Data>'
+'      <Array Qty="01" >'
+'        <Structure Qty="02" >'
+'          <Unsigned Value="00" />'
+'          <OctetString Value="000102030405060708090A0B0C0D0E0F" />'
+'        </Structure>'
+'      </Array>'
+'    </Data>'
    }
}

InstanceExtraInfo = {
    LogicalName = '0-0:1.0.0.255'
    ClassId = 8
    AttributeExtraInfo = {
        AttributeId = 2
        SetData = '\<Data><OctetString Value="07E70912FF120000FF8000FF" /></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="001E" />'
+'
  <OctetString Value="FFFF0101FF" />'
+'
  <Unsigned Value="02" />'
+'
  </Structure>'
+'
  <Structure Qty="03" >'
+'
  <LongUnsigned Value="001D" />'
+'
  <OctetString Value="FFFF0102FF" />'
+'
  <Unsigned Value="02" />'
+'
  </Structure>'
+'
  <Structure Qty="03" >'
+'
  <LongUnsigned Value="001C" />'
+'
  <OctetString Value="FFFF0103FF" />'
+'
  <Unsigned Value="02" />'
+'
  </Structure>'
+'
  <Structure Qty="03" >'
+'
  <LongUnsigned Value="001B" />'
+'
  <OctetString Value="FFFF0104FF" />'
+'
  <Unsigned Value="02" />'
+'
  </Structure>'
+'
  <Structure Qty="03" >'
+'
  <LongUnsigned Value="001A" />'
+'
  <OctetString Value="FFFF0105FF" />'
+'
  <Unsigned Value="02" />'
+'
  </Structure>'
+'
  <Structure Qty="03" >'
+'
  <LongUnsigned Value="0019" />'
+'
  <OctetString Value="FFFF0106FF" />'
+'
  <Unsigned Value="02" />'
+'
  </Structure>'
+'
  <Structure Qty="03" >'
+'
  <LongUnsigned Value="0018" />'
+'
  <OctetString Value="FFFF0107FF" />'
+'
  <Unsigned Value="02" />'
+'
  </Structure>'
+'
  <Structure Qty="03" >'
+'
  <LongUnsigned Value="0017" />'
+'
  <OctetString Value="FFFF0108FF" />'
+'
  <Unsigned Value="02" />'
+'
  </Structure>'
+'
  <Structure Qty="03" >'
+'
  <LongUnsigned Value="0016" />'
+'
  <OctetString Value="FFFF0109FF" />'
+'
  <Unsigned Value="02" />'
+'
  </Structure>'
+'
  <Structure Qty="03" >'
+'
  <LongUnsigned Value="0015" />'
+'
  <OctetString Value="FFFF010AFF" />'
+'
  <Unsigned Value="02" />'
+'
  </Structure>'
+'
  <Structure Qty="03" >'
+'
  <LongUnsigned Value="0014" />'
+'
  <OctetString Value="FFFF0201FF" />'
+'
  <Unsigned Value="02" />'
+'
  </Structure>'
+'
  <Structure Qty="03" >'
+'
  <LongUnsigned Value="0013" />'
+'
  <OctetString Value="FFFF0202FF" />'
+'
  <Unsigned Value="02" />'
+'
  </Structure>'
+'
  <Structure Qty="03" >'
+'
  <LongUnsigned Value="0012" />'
+'
  <OctetString Value="FFFF0203FF" />'
+'
  <Unsigned Value="02" />'
+'
  </Structure>'
+'
  <Structure Qty="03" >'
+'
  <LongUnsigned Value="0011" />'

```

```

+'      <OctetString Value="FFFF0204FF" />'
+'      <Unsigned Value="02" />'
+'    </Structure>'
+'    <Structure Qty="03" >'
+'      <LongUnsigned Value="0010" />'
+'      <OctetString Value="FFFF0205FF" />'
+'      <Unsigned Value="02" />'
+'    </Structure>'
+'    <Structure Qty="03" >'
+'      <LongUnsigned Value="000F" />'
+'      <OctetString Value="FFFF0206FF" />'
+'      <Unsigned Value="02" />'
+'    </Structure>'
+'    <Structure Qty="03" >'
+'      <LongUnsigned Value="000E" />'
+'      <OctetString Value="FFFF0207FF" />'
+'      <Unsigned Value="02" />'
+'    </Structure>'
+'    <Structure Qty="03" >'
+'      <LongUnsigned Value="000D" />'
+'      <OctetString Value="FFFF0208FF" />'
+'      <Unsigned Value="02" />'
+'    </Structure>'
+'    <Structure Qty="03" >'
+'      <LongUnsigned Value="000C" />'
+'      <OctetString Value="FFFF0209FF" />'
+'      <Unsigned Value="02" />'
+'    </Structure>'
+'    <Structure Qty="03" >'
+'      <LongUnsigned Value="000B" />'
+'      <OctetString Value="FFFF020AFF" />'
+'      <Unsigned Value="02" />'
+'    </Structure>'
+'    <Structure Qty="03" >'
+'      <LongUnsigned Value="000A" />'
+'      <OctetString Value="FFFF0301FF" />'
+'      <Unsigned Value="02" />'
+'    </Structure>'
+'    <Structure Qty="03" >'
+'      <LongUnsigned Value="0009" />'
+'      <OctetString Value="FFFF0302FF" />'
+'      <Unsigned Value="02" />'
+'    </Structure>'
+'    <Structure Qty="03" >'
+'      <LongUnsigned Value="0008" />'
+'      <OctetString Value="FFFF0303FF" />'
+'      <Unsigned Value="02" />'
+'    </Structure>'
+'    <Structure Qty="03" >'
+'      <LongUnsigned Value="0007" />'
+'      <OctetString Value="FFFF0304FF" />'
+'      <Unsigned Value="02" />'
+'    </Structure>'
+'    <Structure Qty="03" >'
+'      <LongUnsigned Value="0006" />'
+'      <OctetString Value="FFFF0305FF" />'
+'      <Unsigned Value="02" />'
+'    </Structure>'
+'    <Structure Qty="03" >'
+'      <LongUnsigned Value="0005" />'
+'      <OctetString Value="FFFF0306FF" />'
+'      <Unsigned Value="02" />'
+'    </Structure>'
+'    <Structure Qty="03" >'
+'      <LongUnsigned Value="0004" />'
+'      <OctetString Value="FFFF0307FF" />'
+'      <Unsigned Value="02" />'
+'    </Structure>'
+'    <Structure Qty="03" >'
+'      <LongUnsigned Value="0003" />'
+'      <OctetString Value="FFFF0308FF" />'
+'      <Unsigned Value="02" />'
+'    </Structure>'

```

```

+'      <Structure Qty="03" >'
+'      <LongUnsigned Value="0002" />'
+'      <OctetString Value="FFFF0309FF" />'
+'      <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'      <LongUnsigned Value="0001" />'
+'      <OctetString Value="FFFF030AFF" />'
+'      <Unsigned Value="02" />'
+'      </Structure>'
+'    </Array>'
+'  </Data>'
}
}

TestParameters =
{
  ConnectDisconnectDelay = 2000
  ClientSystemTitle = '58585A0102030405'

  ImageTransfer =
  {
    ImageIdentifier = '\110012'
    ImageFileName = '\temp_release-pp-KF13A473-App1-V100001.bin'
    Timeout = 90000
  }

  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
    CipherringStyle = 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:                G3-PLC
Test Plan Signature:     BFC18D5882976F2087BC007B67CDC246
Object Model:            IDIS-S02-002 - object model Pack2 Ed2.0 - V2.29 (20200831)-FIT MBUS
Tests G350 (CorrectedAndValve status).xlsx
DUT system title:       4B464D6715E69EFB
Run number:              2248

```