

Final Interoperability Test Report

FIT #: **101**
 Date: 6/20/2023
 Location: DNV-GL, Arnhem, Netherlands
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APPLICANT

Company: Mikroelektronika Cajavec AD

Address: Blagoja Parovica BB, 78000 Banja Luka BA, Bosnia and Herzegovina

| DEVICE | | |
|--------------------------------------|----------------------------------|---------------------------------------|
| Device type | MEM600 | |
| Type indication on MID certificate | | MID Certificate No. |
| MEM600 | | 20MID001 |
| IDIS Specification reference | DNV-gl IDIS Certification run No | Digital signature of the test report. |
| Package 2 ed. 2.0 | 2149 | 3AED15D4C0D5096D1F4AAE906DE10922 |
| First certification | IDIS Label | Modular device |
| <input checked="" type="checkbox"/> | 0097 | <input type="checkbox"/> |
| General information about the device | | |
| | | |

| FIRMWARE VERSIONS TESTED | | | | Final Interoperability Test No. 101 |
|--------------------------|---------------------------|---|-------------------------------|-------------------------------------|
| Firmware No. | Firmware ID1 | Firmware ID2 | Firmware ID3 | Verdict |
| 1 | \2.0.02.[403F5E00].000000 | \6.51.932.[(5.4.[(5.5.2)_(1.0.0)])_(7.14.0)].982312 7U | \5.0.16.0.[5.0.13.0].982249/C | Passed |
| | | | | |

Honeywell

Iskraemeco d.d.

Itron

Landis+Gyr AG

Fit #101

Device: Mikroelektronika MEM600 20MID001 DNV-GL, Arnhem, Netherlands, 20.06.2023

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| FIRMWARE VERSIONS HISTORY | | | | Final Integration Test | |
|---------------------------|---------------------------|---|-------------------------------|------------------------|---------|
| Firmware No. | Firmware ID1 | Firmware ID2 | Firmware ID3 | No. | Verdict |
| 1 | \2.0.02.[403F5E00].000000 | \6.51.932.[(5.4.[(5.5.2)_(1.0.0)])_(7.14.0)].982312/U | \5.0.16.0.[5.0.13.0].982249/C | 101 | 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 | Only one M-Bus Master Port in use |
| 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 | Power Off Push N/A |
| FIT Miscellaneous | Passed | |
| Optical Port Connectivity | Passed | |
| Consumer Information Interface | Passed | |
| FIT Conformance Test Report | | |
| <pre> ***** IDIS Conformance test report 13-JUN-2023 09:07:43 iCTT2 Package 2, Edition 2.0, Revision 1 (136) Licensed to: KEMA-IDIS Cert. Tester: Tom Levels ***** ***** * Identification * ***** Manufacturer = { Name = '\Mikroelektronika' ThreeLettersId = '\MEL' } DeviceUnderTest = { Type = '\MEM600 20MID001' IDISDeviceType = 102 IDISFunctionType = [EXTENSION_D, EXTENSION_L, EXTENSION_M] SerialNr = 12000020 IPVersion = IPV6 DataLinkLayer = G3 EUI64Address = '4D454C6670B71B14' ConsumerInformationPush = TRUE SMSSupported = FALSE ClipCallSupported = FALSE } </pre> | | |

```

Active firmware identifier (1-0:0.2.0.255) = \2.0.02.[403F5E00].000000
Active firmware identifier 1 (1-1:0.2.0.255) =
\6.51.932.[(5.4.[(5.5.2)_(1.0.0)]_(7.14.0)].982312/U
Active firmware identifier 2 (1-2:0.2.0.255) = \5.0.16.0.[5.0.13.0].982249/C

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

PASSED                270
FAILED                0
DISABLED              0
INAPPLICABLE         3
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="\12000020" />
    </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="4D454D3630302D36467151726937372D3030303030300000000000000000" />
    </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>

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        <OctetString Value="0000600104FF" />
    </Data>
(10) .value PASSED
    <Data>
        <OctetString Value="\          " />
    </Data>

Mngmt Get Device ID 6, IDIS certification number 0-0:96.1.5.255 (@66)
(11) .logical_name PASSED
    <Data>
        <OctetString Value="0000600105FF" />
    </Data>
(12) .value PASSED
    <Data>
        <OctetString Value="\IDIS2DLM00000000" />
    </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="\MEL1020712000020" />
    </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="\MEL1020712000020" />
            </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="\2.0.02.[403F5E00].000000" />
    </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="2FCC9D2CC827CF9EA5D5B5AF557EBF7E0B76A3EBEB455717E29581000903717B" />

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    </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="\6.51.932.[(5.4.[(5.5.2)_(1.0.0)])_(7.14.0)].982312/U" />
    </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="8F1082EA6C4F07CF5BDE0E358E972F6A507B7750E745B191EC83BEE2908072C2" />
    </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="\5.0.16.0.[5.0.13.0].982249/C" />
    </Data>

Mngmt Get Active firmware signature 2 1-2:0.2.8.255 (@432)
(11) .logical_name PASSED
    <Data>
        <OctetString Value="0102000208FF" />
    </Data>
(12) .value PASSED
    <Data>
        <OctetString
Value="E135D85E4ABBFBC8CA975E84A0320D3FF398FAE9ED8B2FF7FD703F654B023E53" />
    </Data>

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

Pre Set Clock 0-0:1.0.0.255 (@75)
(1) .time PASSED
    <Data>
        <OctetString Value="07E7060DFF10000FF8000FF" />
    </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="07E7060D0210000000FF8880" />
    </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>
<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
    <_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>
        </Array>
    </_Data>

```

PASSED

```

</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 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: 01-JAN-2018 00:00:00, latest date: 25-APR-2023 08:16:03
    Middle date: 25-APR-2023 08:15:59
(3) .entries_in_use PASSED
    <Data>
    <DoubleLongUnsigned Value="00000007" />
    </Data>
(4) .profile_entries PASSED
    <Data>
    <DoubleLongUnsigned Value="0000001E" />
    </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: 01-JAN-2018 00:00:00, latest date: 13-JUN-2023 16:03:09
    Middle date: 01-OCT-2022 00:00:07
(7) .entries_in_use PASSED
    <Data>
    <DoubleLongUnsigned Value="00000058" />
    </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: 01-JAN-2018 00:00:00, latest date: 13-JUN-2023 08:57:49
    Middle date: 25-APR-2023 08:15:11
(11) .entries_in_use PASSED
    <Data>
    <DoubleLongUnsigned Value="00000007" />
    </Data>
(12) .profile_entries PASSED
    <Data>

```

```

        <DoubleLongUnsigned Value="0000001E" />
    </Data>

Mngmt Get Communication Log 0-0:99.98.5.255 (@331)
(13) .logical_name PASSED
    <Data>
        <OctetString Value="0000636205FF" />
    </Data>
(14) .buffer PASSED
    Earliest date: 22-SEP-2022 06:39:51, latest date: 13-JUN-2023 16:02:06
    Middle date: 13-JUN-2023 08:57:50
(15) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="0000002C" />
    </Data>
(16) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="00000064" />
    </Data>

Mngmt Get Power Quality Log 0-0:99.98.4.255 (@1340)
(17) .logical_name PASSED
    <Data>
        <OctetString Value="0000636204FF" />
    </Data>
(18) .buffer PASSED
    Earliest date: 01-JAN-2018 00:00:00, latest date: 13-JUN-2023 08:57:38
    Middle date: 22-SEP-2022 06:34:01
(19) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="00000029" />
    </Data>
(20) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="00000064" />
    </Data>

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

Mngmt Get Data of billing period 1 0-0:98.1.0.255 (@158)
(1) .logical_name PASSED
    <Data>
        <OctetString Value="0000620100FF" />
    </Data>
(2) .buffer PASSED
    Earliest date: 01-FEB-2018 00:00:00, latest date: 01-MAY-2023 00:00:00
    Middle date: 01-JAN-2023 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" />
            </Structure>
        </Array>
    </Data>

```

```

        <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="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 PASSED
    <Data>
        <OctetString Value="0000180600FF" />
    </Data>
(2) .comm_speed PASSED
    <Data>
        <Enum Value="03" />
    </Data>

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

Mngmt Get M-Bus client channel 1 0-1:24.1.0.255 (@1574)
(5) .logical_name PASSED
    <Data>
        <OctetString Value="0001180100FF" />
    </Data>
(6) .mbus_port_reference PASSED
    <Data>
        <OctetString Value="0000180600FF" />
    </Data>
(7) .capture_definition PASSED
    <Data>
        <Array Qty="0002" >
            <Structure Qty="0002" >
                <OctetString Value="\L" />
            </Structure>
        </Array>
    </Data>

```

| | |
|--|--|
| | <pre> <OctetString Value="933A" /> </Structure> </Structure Qty="0002" > <OctetString Value="8940" /> <OctetString Value="FD1A" /> </Structure> </Array> </Data> (8) .capture_period PASSED <Data> <DoubleLongUnsigned Value="00000E10" /> </Data> (9) .primary_address PASSED <Data> <Unsigned Value="01" /> </Data> (10) .identification_number PASSED <Data> <DoubleLongUnsigned Value="00047BB1" /> </Data> (11) .manufacturer_id PASSED <Data> <LongUnsigned Value="19AC" /> </Data> (12) .version PASSED <Data> <Unsigned Value="02" /> </Data> (13) .device_type PASSED <Data> <Unsigned Value="03" /> </Data> (14) .access_number PASSED <Data> <Unsigned Value="E4" /> </Data> (15) .status PASSED <Data> <Unsigned Value="04" /> </Data> (16) .alarm PASSED <Data> <Unsigned Value="00" /> </Data> Mngmt Get M-Bus client channel 2 0-2:24.1.0.255 (@1596) (17) .logical_name PASSED <Data> <OctetString Value="0002180100FF" /> </Data> (18) .mbus_port_reference PASSED <Data> <OctetString Value="0000180600FF" /> </Data> (19) .capture_definition PASSED <Data> <Array Qty="0002" > <Structure Qty="0002" > <OctetString Value="\L" /> <OctetString Value="933A" /> </Structure> <Structure Qty="0002" > <OctetString Value="8940" /> <OctetString Value="FD1A" /> </Structure> </Array> </Data> (20) .capture_period PASSED <Data> <DoubleLongUnsigned Value="00000E10" /> </Data> (21) .primary_address PASSED <Data> </pre> |
|--|--|

| | | |
|---|---|--------|
| | <Unsigned Value="02" /> </Data> | |
| (22) | .identification_number <Data> <DoubleLongUnsigned Value="00047BB2" /> </Data> | PASSED |
| (23) | .manufacturer_id <Data> <LongUnsigned Value="19AC" /> </Data> | PASSED |
| (24) | .version <Data> <Unsigned Value="02" /> </Data> | PASSED |
| (25) | .device_type <Data> <Unsigned Value="03" /> </Data> | PASSED |
| (26) | .access_number <Data> <Unsigned Value="31" /> </Data> | PASSED |
| (27) | .status <Data> <Unsigned Value="04" /> </Data> | PASSED |
| (28) | .alarm <Data> <Unsigned Value="00" /> </Data> | PASSED |
| Mngmt Get M-Bus client channel 3 0-3:24.1.0.255 (@1618) | | |
| (29) | .logical_name <Data> <OctetString Value="0003180100FF" /> </Data> | PASSED |
| (30) | .mbus_port_reference <Data> <OctetString Value="0000180600FF" /> </Data> | PASSED |
| (31) | .capture_definition <Data> <Array Qty="0002" > <Structure Qty="0002" > <OctetString Value="\L" /> <OctetString Value="933A" /> </Structure> <Structure Qty="0002" > <OctetString Value="8940" /> <OctetString Value="FD1A" /> </Structure> </Array> </Data> | PASSED |
| (32) | .capture_period <Data> <DoubleLongUnsigned Value="00000E10" /> </Data> | PASSED |
| (33) | .primary_address <Data> <Unsigned Value="03" /> </Data> | PASSED |
| (34) | .identification_number <Data> <DoubleLongUnsigned Value="00047BB4" /> </Data> | PASSED |
| (35) | .manufacturer_id <Data> <LongUnsigned Value="19AC" /> </Data> | PASSED |
| (36) | .version <Data> <Unsigned Value="02" /> </Data> | PASSED |

| | | |
|---|---|--------|
| (37) | .device_type | PASSED |
| | <Data> | |
| | <Unsigned Value="03" /> | |
| | </Data> | |
| (38) | .access_number | PASSED |
| | <Data> | |
| | <Unsigned Value="C3" /> | |
| | </Data> | |
| (39) | .status | PASSED |
| | <Data> | |
| | <Unsigned Value="04" /> | |
| | </Data> | |
| (40) | .alarm | PASSED |
| | <Data> | |
| | <Unsigned Value="00" /> | |
| | </Data> | |
| Mngmt Get M-Bus client channel 4 0-4:24.1.0.255 (@1640) | | |
| (41) | .logical_name | PASSED |
| | <Data> | |
| | <OctetString Value="0004180100FF" /> | |
| | </Data> | |
| (42) | .mbus_port_reference | PASSED |
| | <Data> | |
| | <OctetString Value="0000180600FF" /> | |
| | </Data> | |
| (43) | .capture_definition | PASSED |
| | <Data> | |
| | <Array Qty="0002" > | |
| | <Structure Qty="0002" > | |
| | <OctetString Value="\L" /> | |
| | <OctetString Value="933A" /> | |
| | </Structure> | |
| | <Structure Qty="0002" > | |
| | <OctetString Value="8940" /> | |
| | <OctetString Value="FD1A" /> | |
| | </Structure> | |
| | </Array> | |
| | </Data> | |
| (44) | .capture_period | PASSED |
| | <Data> | |
| | <DoubleLongUnsigned Value="00000E10" /> | |
| | </Data> | |
| (45) | .primary_address | PASSED |
| | <Data> | |
| | <Unsigned Value="04" /> | |
| | </Data> | |
| (46) | .identification_number | PASSED |
| | <Data> | |
| | <DoubleLongUnsigned Value="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="9F" /> | |
| | </Data> | |
| (51) | .status | PASSED |
| | <Data> | |
| | <Unsigned Value="04" /> | |
| | </Data> | |
| (52) | .alarm | PASSED |
| | <Data> | |


```

        <Unsigned Value="00" />
    </Data>

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

Mngmt Get M-Bus Value channel 1, instance 1 0-1:24.2.1.255 (@1662)
(1) .logical_name                                     PASSED
    <Data>
        <OctetString Value="0001180201FF" />
    </Data>
(2) .value                                           PASSED
    <Data>
        <DoubleLongUnsigned Value="00000FB7" />
    </Data>
(3) .scaler_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="07E7060D0209000000FF8880" />
    </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="07E7060D0209000000FF8880" />
    </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="00000BFC" />
    </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="07E7060D0209000100FF8880" /> | |
| | </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="07E7060D0209000100FF8880" /> | |
| | </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="00000EE3" /> | |
| | </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="07E7060D0209000100FF8880" /> | |
| | </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="07E7060D0209000100FF8880" />
        </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="00000B18" />
        </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="07E7060D0209000200FF8880" />
        </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="07E7060D0209000200FF8880" />
        </Data>

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

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

```

```

    </Data>

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

Mngmt Get M-Bus Device ID 1 channel 3 0-3:96.1.0.255 (@1798)
(5) .logical_name PASSED
    <Data>
        <OctetString Value="0003600100FF" />
    </Data>
(6) .value PASSED
    <Data>
        <OctetString Value="\00000540029381211" />
    </Data>

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

Mngmt Get M-Bus Device ID 2 channel 1 0-1:96.1.1.255 (@1806)
(9) .logical_name PASSED
    <Data>
        <OctetString Value="0001600101FF" />
    </Data>
(10) .value PASSED
    <Data>
        <OctetString Value="" />
    </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: 01-OCT-2022 00:00:00, latest date: 13-JUN-2023 09:00:00
    Middle date: 01-FEB-2023 00:00:00
(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>
(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="00000008" />
    </Data>

```

| | |
|--|--------|
| (8) .profile_entries | PASSED |
| <pre> <Data> <DoubleLongUnsigned Value="000000F0" /> </Data> </pre> | |
| Mngmt Get M-Bus Master Load profile for channel 2 0-2:24.3.0.255 (@1849) | |
| (9) .logical_name | PASSED |
| <pre> <Data> <OctetString Value="0002180300FF" /> </Data> </pre> | |
| (10) .buffer | PASSED |
| <pre> Earliest date: 01-OCT-2022 00:00:00, latest date: 13-JUN-2023 09:00:00 Middle date: 01-FEB-2023 00:00:00 </pre> | |
| (11) .capture_objects | PASSED |
| <pre> <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> </pre> | |
| (12) .capture_period | PASSED |
| <pre> <Data> <DoubleLongUnsigned Value="00000E10" /> </Data> </pre> | |
| (13) .sort_method | PASSED |
| <pre> <Data> <Enum Value="01" /> </Data> </pre> | |
| (14) .sort_object | PASSED |
| <pre> <Data> <Structure Qty="0004" > <LongUnsigned Value="0008" /> <OctetString Value="0000010000FF" /> <Integer Value="02" /> <LongUnsigned Value="0000" /> </Structure> </Data> </pre> | |
| (15) .entries_in_use | PASSED |
| <pre> <Data> </pre> | |

| | | |
|------|--|--------|
| | <DoubleLongUnsigned Value="00000008" /> | |
| | </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: 01-OCT-2022 00:00:00, latest date: 13-JUN-2023 09:00:00 | |
| | Middle date: 01-FEB-2023 00:00:00 | |
| (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="00000008" /> | |
| | </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: 01-OCT-2022 00:00:00, latest date: 13-JUN-2023 09:00:00 | |
| | Middle date: 01-FEB-2023 00:00:00 | |
| (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>
(31) .entries_in_use PASSED
        <Data>
            <DoubleLongUnsigned Value="00000008" />
        </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: 01-JAN-2018 00:00:00, latest date: 25-APR-2023 08:17:35
        Middle date: 25-APR-2023 08:17:28
(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="00000007" />
        </Data>
(8) .profile_entries PASSED
        <Data>
            <DoubleLongUnsigned Value="0000000A" />
        </Data>

Mngmt Get M-Bus Master Control log object 2 0-2:24.5.0.255 (@1952)
(9) .logical_name PASSED
        <Data>
            <OctetString Value="0002180500FF" />
        </Data>
(10) .buffer PASSED
        Earliest date: 01-JAN-2018 00:00:00, latest date: 25-APR-2023 08:17:51
    
```

| | | |
|--|--|--------|
| Middle date: 25-APR-2023 08:17:45 | | |
| (11) | .capture_objects <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> | PASSED |
| (12) | .capture_period <Data> <DoubleLongUnsigned Value="00000000" /> </Data> | PASSED |
| (13) | .sort_method <Data> <Enum Value="01" /> </Data> | PASSED |
| (14) | .sort_object <Data> <Structure Qty="0004" > <LongUnsigned Value="0008" /> <OctetString Value="0000010000FF" /> <Integer Value="02" /> <LongUnsigned Value="0000" /> </Structure> </Data> | PASSED |
| (15) | .entries_in_use <Data> <DoubleLongUnsigned Value="00000007" /> </Data> | PASSED |
| (16) | .profile_entries <Data> <DoubleLongUnsigned Value="0000000A" /> </Data> | PASSED |
| Mngmt Get M-Bus Master Control log object 3 0-3:24.5.0.255 (@1963) | | |
| (17) | .logical_name <Data> <OctetString Value="0003180500FF" /> </Data> | PASSED |
| (18) | .buffer Earliest date: 01-JAN-2018 00:00:00, latest date: 25-APR-2023 08:18:07 Middle date: 25-APR-2023 08:18:00 | PASSED |
| (19) | .capture_objects <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> | PASSED |
| (20) | .capture_period <Data> <DoubleLongUnsigned Value="00000000" /> </Data> | PASSED |

| | | |
|--|--|--------|
| (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="00000007" /> | |
| | </Data> | |
| (24) | .profile_entries | PASSED |
| | <Data> | |
| | <DoubleLongUnsigned Value="0000000A" /> | |
| | </Data> | |
| Mngmt Get M-Bus Master Control log object 4 0-4:24.5.0.255 (@1974) | | |
| (25) | .logical_name | PASSED |
| | <Data> | |
| | <OctetString Value="0004180500FF" /> | |
| | </Data> | |
| (26) | .buffer | PASSED |
| | Earliest date: 01-JAN-2018 00:00:00, latest date: 25-APR-2023 08:18:24 | |
| | Middle date: 25-APR-2023 08:18:18 | |
| (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="00000007" /> | |
| | </Data> | |
| (32) | .profile_entries | PASSED |
| | <Data> | |
| | <DoubleLongUnsigned Value="0000000A" /> | |
| | </Data> | |

```

Mngmt Get M-Bus Event Log 0-0:99.98.3.255 (@1989)
(33) .logical_name PASSED
    <Data>
    <OctetString Value="0000636203FF" />
    </Data>
(34) .buffer PASSED
    Earliest date: 22-SEP-2022 06:38:27, latest date: 13-JUN-2023 08:57:41
    Middle date: 13-JUN-2023 08:57:39
(35) .capture_objects PASSED
    <Data>
    <Array Qty="0002" >
    <Structure Qty="0004" >
    <LongUnsigned Value="0008" />
    <OctetString Value="0000010000FF" />
    <Integer Value="02" />
    <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0004" >
    <LongUnsigned Value="0001" />
    <OctetString Value="0000600B03FF" />
    <Integer Value="02" />
    <LongUnsigned Value="0000" />
    </Structure>
    </Array>
    </Data>
(36) .capture_period PASSED
    <Data>
    <DoubleLongUnsigned Value="00000000" />
    </Data>
(37) .sort_method PASSED
    <Data>
    <Enum Value="01" />
    </Data>
(38) .sort_object PASSED
    <Data>
    <Structure Qty="0004" >
    <LongUnsigned Value="0008" />
    <OctetString Value="0000010000FF" />
    <Integer Value="02" />
    <LongUnsigned Value="0000" />
    </Structure>
    </Data>
(39) .entries_in_use PASSED
    <Data>
    <DoubleLongUnsigned Value="0000000A" />
    </Data>
(40) .profile_entries PASSED
    <Data>
    <DoubleLongUnsigned Value="0000000A" />
    </Data>

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

Mngmt Get M-Bus Master Disconnect control object 1 0-1:24.4.0.255 (@1882)
(1) .logical_name PASSED
    <Data>
    <OctetString Value="0001180400FF" />
    </Data>
(2) .output_state PASSED
    <Data>
    <Boolean Value="01" />
    </Data>
(3) .control_state PASSED
    <Data>
    <Enum Value="01" />
    </Data>
(4) .control_mode PASSED
    <Data>
    <Enum Value="05" />
    </Data>

```

| | | |
|---|---|--------|
| Mngmt Get M-Bus Master Disconnect control object 2 0-2:24.4.0.255 (@1890) | | |
| (5) .logical_name | | PASSED |
| | <Data> <OctetString Value="0002180400FF" /> </Data> | |
| (6) .output_state | | PASSED |
| | <Data> <Boolean Value="01" /> </Data> | |
| (7) .control_state | | PASSED |
| | <Data> <Enum Value="01" /> </Data> | |
| (8) .control_mode | | PASSED |
| | <Data> <Enum Value="05" /> </Data> | |
| Mngmt Get M-Bus Master Disconnect control object 3 0-3:24.4.0.255 (@1898) | | |
| (9) .logical_name | | PASSED |
| | <Data> <OctetString Value="0003180400FF" /> </Data> | |
| (10) .output_state | | PASSED |
| | <Data> <Boolean Value="01" /> </Data> | |
| (11) .control_state | | PASSED |
| | <Data> <Enum Value="01" /> </Data> | |
| (12) .control_mode | | PASSED |
| | <Data> <Enum Value="05" /> </Data> | |
| Mngmt Get M-Bus Master Disconnect control object 4 0-4:24.4.0.255 (@1906) | | |
| (13) .logical_name | | PASSED |
| | <Data> <OctetString Value="0004180400FF" /> </Data> | |
| (14) .output_state | | PASSED |
| | <Data> <Boolean Value="01" /> </Data> | |
| (15) .control_state | | PASSED |
| | <Data> <Enum Value="01" /> </Data> | |
| (16) .control_mode | | PASSED |
| | <Data> <Enum Value="05" /> </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="0000" > | |

```

        </Array>
    </Data>

Mngmt Get M-Bus Disconnecter script table 0-1:10.0.106.255 (@1920)
(21) .logical_name PASSED
    <Data>
        <OctetString Value="00010A006AFF" />
    </Data>
(22) .scripts PASSED
    <_Data>
        <Array Qty="0010" >
            <Structure Qty="0002" >
                <LongUnsigned Value="0001" />
                <Array Qty="0001" >
                    <Structure Qty="0005" >
                        <Enum Value="01" />
                        <LongUnsigned Value="0046" />
                        <OctetString Value="0001180400FF" />
                        <Integer Value="03" />
                        <Enum Value="02" />
                    </Structure>
                </Array>
            </Structure>
            <Structure Qty="0002" >
                <LongUnsigned Value="0002" />
                <Array Qty="0001" >
                    <Structure Qty="0005" >
                        <Enum Value="01" />
                        <LongUnsigned Value="0046" />
                        <OctetString Value="0001180400FF" />
                        <Integer Value="03" />
                        <Enum Value="01" />
                    </Structure>
                </Array>
            </Structure>
            <Structure Qty="0002" >
                <LongUnsigned Value="0003" />
                <Array Qty="0001" >
                    <Structure Qty="0005" >
                        <Enum Value="01" />
                        <LongUnsigned Value="0046" />
                        <OctetString Value="0002180400FF" />
                        <Integer Value="03" />
                        <Enum Value="02" />
                    </Structure>
                </Array>
            </Structure>
            <Structure Qty="0002" >
                <LongUnsigned Value="0004" />
                <Array Qty="0001" >
                    <Structure Qty="0005" >
                        <Enum Value="01" />
                        <LongUnsigned Value="0046" />
                        <OctetString Value="0002180400FF" />
                        <Integer Value="03" />
                        <Enum Value="01" />
                    </Structure>
                </Array>
            </Structure>
            <Structure Qty="0002" >
                <LongUnsigned Value="0005" />
                <Array Qty="0001" >
                    <Structure Qty="0005" >
                        <Enum Value="01" />
                        <LongUnsigned Value="0046" />
                        <OctetString Value="0003180400FF" />
                        <Integer Value="03" />
                        <Enum Value="02" />
                    </Structure>
                </Array>
            </Structure>
            <Structure Qty="0002" >
                <LongUnsigned Value="0006" />
    
```

```

<Array Qty="0001" >
  <Structure Qty="0005" >
    <Enum Value="01" />
    <LongUnsigned Value="0046" />
    <OctetString Value="0003180400FF" />
    <Integer Value="03" />
    <Enum Value="01" />
  </Structure>
</Array>
</Structure>
<Structure Qty="0002" >
  <LongUnsigned Value="0007" />
  <Array Qty="0001" >
    <Structure Qty="0005" >
      <Enum Value="01" />
      <LongUnsigned Value="0046" />
      <OctetString Value="0004180400FF" />
      <Integer Value="03" />
      <Enum Value="02" />
    </Structure>
  </Array>
</Structure>
<Structure Qty="0002" >
  <LongUnsigned Value="0008" />
  <Array Qty="0001" >
    <Structure Qty="0005" >
      <Enum Value="01" />
      <LongUnsigned Value="0046" />
      <OctetString Value="0004180400FF" />
      <Integer Value="03" />
      <Enum Value="01" />
    </Structure>
  </Array>
</Structure>
<Structure Qty="0002" >
  <LongUnsigned Value="0009" />
  <Array Qty="0001" >
    <Structure Qty="0005" >
      <Enum Value="02" />
      <LongUnsigned Value="0046" />
      <OctetString Value="0001180400FF" />
      <Integer Value="01" />
      <Integer Value="00" />
    </Structure>
  </Array>
</Structure>
<Structure Qty="0002" >
  <LongUnsigned Value="000A" />
  <Array Qty="0001" >
    <Structure Qty="0005" >
      <Enum Value="02" />
      <LongUnsigned Value="0046" />
      <OctetString Value="0001180400FF" />
      <Integer Value="02" />
      <Integer Value="00" />
    </Structure>
  </Array>
</Structure>
<Structure Qty="0002" >
  <LongUnsigned Value="000B" />
  <Array Qty="0001" >
    <Structure Qty="0005" >
      <Enum Value="02" />
      <LongUnsigned Value="0046" />
      <OctetString Value="0002180400FF" />
      <Integer Value="01" />
      <Integer Value="00" />
    </Structure>
  </Array>
</Structure>
<Structure Qty="0002" >
  <LongUnsigned Value="000C" />
  <Array Qty="0001" >

```

```

        <Structure Qty="0005" >
            <Enum Value="02" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0002180400FF" />
            <Integer Value="02" />
            <Integer Value="00" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="000D" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="02" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0003180400FF" />
            <Integer Value="01" />
            <Integer Value="00" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="000E" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="02" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0003180400FF" />
            <Integer Value="02" />
            <Integer Value="00" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="000F" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="02" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0004180400FF" />
            <Integer Value="01" />
            <Integer Value="00" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0010" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="02" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0004180400FF" />
            <Integer Value="02" />
            <Integer Value="00" />
        </Structure>
    </Array>
</Structure>
</_Data>

```

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

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

INAPPLICABLE
 Push setup on power down not available

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

- (1) Disconnecter Script Table PASSED


```

(2) Load profile with period 1 DST ambiguity PASSED
(3) Load profile power down withing one period PASSED
(4) Load profile power down over two periods PASSED

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

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

Manufacturer = {
  Name = '\Mikroelektronika'
  ThreeLettersId = '\MEL'
}

DeviceUnderTest = {
  Type = '\MEM600 20MID001'
  IDISDeviceType = 102
  IDISFunctionType = [Extension_D,Extension_L,Extension_M]
  SerialNr = 12000020
  IPVersion = IPv6
  DataLinkLayer = G3
  EUI64Address = "4D454C6670B71B14"
  ConsumerInformationPush = TRUE
  SMSSupported = FALSE
  ClipCallSupported = FALSE
}

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

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)
+ '0-2:96.3.10.255|70,' // Load Mgmt - Relay control 2 (@217)
+ '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)
+ '1-2:0.2.8.255|1,' // Active firmware signature 2 (@432)
+ '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)
+ '1-0:15.8.1.255|3,' // Active energy Combined total (|+A|+|-A|) rate 1 (@750)
+ '1-0:15.8.2.255|3,' // Active energy Combined total (|+A|+|-A|) rate 2 (@756)

```

```

+ '1-0:15.8.3.255|3,' // Active energy Combined total (|+A|+|-A|) rate 3 (@762)
+ '1-0:15.8.4.255|3,' // Active energy Combined total (|+A|+|-A|) rate 4 (@768)
+ '1-0:9.4.0.255|5,' // Demand Register 5 - Apparent energy import (+VA) (@827)
+ '1-0:10.4.0.255|5,' // Demand Register 6 - Apparent energy export (-VA) (@840)
+ '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)
+ '1-0:9.5.0.255|4,' // Last Average Demand Register 5 - Apparent energy import (+VA)
(@885)
+ '1-0:10.5.0.255|4,' // Last Average Demand Register 6 - Apparent energy export (-VA)
(@893)
+ '1-0:9.6.0.255|4,' // Maximum Demand Register 21 - Apparent energy import (+VA) (@1061)
+ '1-0:9.6.1.255|4,' // Maximum Demand Register 22 - Apparent energy import (+VA) - rate
1 (@1069)
+ '1-0:9.6.2.255|4,' // Maximum Demand Register 23 - Apparent energy import (+VA) - rate
2 (@1077)
+ '1-0:9.6.3.255|4,' // Maximum Demand Register 24 - Apparent energy import (+VA) - rate
3 (@1085)
+ '1-0:9.6.4.255|4,' // Maximum Demand Register 25 - Apparent energy import (+VA) - rate
4 (@1093)
+ '1-0:10.6.0.255|4,' // Maximum Demand Register 26 - Apparent energy export (-VA)
(@1101)
+ '1-0:10.6.1.255|4,' // Maximum Demand Register 27 - Apparent energy export (-VA) - rate
1 (@1109)
+ '1-0:10.6.2.255|4,' // Maximum Demand Register 28 - Apparent energy export (-VA) - rate
2 (@1117)
+ '1-0:10.6.3.255|4,' // Maximum Demand Register 29 - Apparent energy export (-VA) - rate
3 (@1125)
+ '1-0:10.6.4.255|4,' // Maximum Demand Register 30 - Apparent energy export (-VA) - rate
4 (@1133)
+ '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)
+ '1-0:16.24.0.255|5,' // Average Net Power (|+A|+|-A|) (@1511)
+ '1-0:13.7.0.255|3,' // Instantaneous Power factor (+A/+VA) (@1537)
+ '1-0:13.5.0.255|4,' // Last Average Power factor (+A/+VA) (@1543)
+ '1-0:13.3.0.255|4,' // Minimum Power factor (+A/+VA) (@1551)
+ '1-0:0.8.2.255|3,' // Measurement Period 3 for Instantaneous values (@1559)
+ '0-0:20.0.0.255|19' // IEC local port setup - IEC Optical port (@2001)

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 = {
  // Current association (@9)
  LogicalName = '0-0:40.0.0.255'
  ClassId = 15
  AttributeExtraInfo = {
    // authentication_mechanism_name
    AttributeId = 6
    AccessRights = [GET,SET]
  }
  AttributeExtraInfo = {
    // secret

```

```

        AttributeId = 7
        SetData = '\<Data><OctetString Value = "3132333435363738" /></Data>'
        AccessRights = [SET]
    }
}

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

InstanceExtraInfo = {
    // Register activation - Energy (@129)
    LogicalName = '0-0:14.0.1.255'
    ClassId = 6
    AttributeExtraInfo = {
        // register_assignment
        AttributeId = 2
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Register activation - Maximum Demand (@135)
    LogicalName = '0-0:14.0.2.255'
    ClassId = 6
    AttributeExtraInfo = {
        // register_assignment
        AttributeId = 2
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Tariffication script table (@141)
    LogicalName = '0-0:10.0.100.255'
    ClassId = 9
    MethodExtraInfo = {
        // execute
        MethodId = 1
        AccessRights = [ACTION]
    }
}

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 = {
    // Disconnect control scheduler (@170)
    LogicalName = '0-0:15.0.1.255'
    ClassId = 22
    AttributeExtraInfo = {
        // type
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {

```

```

// Disconnecter Control Log (@193)
LogicalName = '0-0:99.98.2.255'
ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Load Mgmt - Relay control 1 (@209)
  LogicalName = '0-1:96.3.10.255'
  ClassId = 70
  AttributeExtraInfo = {
    // control_mode
    AttributeId = 4
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Load Mgmt - Relay control 2 (@217)
  LogicalName = '0-2:96.3.10.255'
  ClassId = 70
  AttributeExtraInfo = {
    // control_mode
    AttributeId = 4
    AccessRights = [GET,SET]
  }
}

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

InstanceExtraInfo = {
  // Standard Event Log (@301)
  LogicalName = '0-0:99.98.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Fraud Detection Log (@316)
  LogicalName = '0-0:99.98.1.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Communication Log (@331)
  LogicalName = '0-0:99.98.5.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

```

```

    }
}

InstanceExtraInfo = {
// Push action scheduler - Consumer Information (@351)
LogicalName = '0-4:15.0.4.255'
ClassId = 22
  AttributeExtraInfo = {
// executed_script
AttributeId = 2
AccessRights = [GET,SET]
}
  AttributeExtraInfo = {
// type
AttributeId = 3
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 = {
// Image transfer activation scheduler (@401)
LogicalName = '0-0:15.0.2.255'
ClassId = 22
  AttributeExtraInfo = {
// executed_script
AttributeId = 2
AccessRights = [GET,SET]
}
  AttributeExtraInfo = {
// type
AttributeId = 3
AccessRights = [GET,SET]
}
}

InstanceExtraInfo = {
// Load profile with period 1 i.e. General Load Profile (@1146)
LogicalName = '1-0:99.1.0.255'
ClassId = 7
  AttributeExtraInfo = {
// profile_entries
AttributeId = 8
AccessRights = [GET,SET]
}
}

InstanceExtraInfo = {
// Load profile with period 2 i.e. Daily Values Profile (@1161)
LogicalName = '1-0:99.2.0.255'
ClassId = 7
  AttributeExtraInfo = {
// profile_entries
AttributeId = 8
AccessRights = [GET,SET]
}
}

InstanceExtraInfo = {
// Power Failure Event Log (@1325)
LogicalName = '1-0:99.97.0.255'
ClassId = 7
  AttributeExtraInfo = {

```

```

        // capture_objects
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Power Quality Log (@1340)
    LogicalName = '0-0:99.98.4.255'
    ClassId = 7
    AttributeExtraInfo = {
        // capture_objects
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // M-Bus client channel 1 (@1574)
    LogicalName = '0-1:24.1.0.255'
    ClassId = 72
    MethodExtraInfo = {
        // capture
        MethodId = 3
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // reset_alarm
        MethodId = 4
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // synchronize_clock
        MethodId = 5
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // data_send
        MethodId = 6
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus client channel 2 (@1596)
    LogicalName = '0-2:24.1.0.255'
    ClassId = 72
    MethodExtraInfo = {
        // capture
        MethodId = 3
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // reset_alarm
        MethodId = 4
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // synchronize_clock
        MethodId = 5
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // data_send
        MethodId = 6
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus client channel 3 (@1618)
    LogicalName = '0-3:24.1.0.255'
    ClassId = 72

```

```

    MethodExtraInfo = {
        // capture
        MethodId = 3
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // reset_alarm
        MethodId = 4
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // synchronize_clock
        MethodId = 5
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // data_send
        MethodId = 6
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus client channel 4 (@1640)
    LogicalName = '0-4:24.1.0.255'
    ClassId = 72
    MethodExtraInfo = {
        // capture
        MethodId = 3
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // reset_alarm
        MethodId = 4
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // synchronize_clock
        MethodId = 5
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // data_send
        MethodId = 6
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 1, instance 1 (@1662)
    LogicalName = '0-1:24.2.1.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 1, instance 2 (@1670)
    LogicalName = '0-1:24.2.2.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

```

```

        MethodExtraInfo = {
            // reset
            MethodId = 1
            AccessRights = [ACTION]
        }
    }

InstanceExtraInfo = {
    // M-Bus Value channel 1, instance 3 (@1678)
    LogicalName = '0-1:24.2.3.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 1, instance 4 (@1686)
    LogicalName = '0-1:24.2.4.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 2, instance 1 (@1694)
    LogicalName = '0-2:24.2.1.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 2, instance 2 (@1702)
    LogicalName = '0-2:24.2.2.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 2, instance 3 (@1710)

```



```

LogicalName = '0-2:24.2.3.255'
ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 2, instance 4 (@1718)
  LogicalName = '0-2:24.2.4.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 3, instance 1 (@1726)
  LogicalName = '0-3:24.2.1.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 3, instance 2 (@1734)
  LogicalName = '0-3:24.2.2.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 3, instance 3 (@1742)
  LogicalName = '0-3:24.2.3.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset

```

```

        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 3, instance 4 (@1750)
    LogicalName = '0-3:24.2.4.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 4, instance 1 (@1758)
    LogicalName = '0-4:24.2.1.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 4, instance 2 (@1766)
    LogicalName = '0-4:24.2.2.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 4, instance 3 (@1774)
    LogicalName = '0-4:24.2.3.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 4, instance 4 (@1782)
    LogicalName = '0-4:24.2.4.255'
    ClassId = 4

```

```

    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Disconnect control scheduler (@1914)
    LogicalName = '0-1:15.0.1.255'
    ClassId = 22
    AttributeExtraInfo = {
        // type
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // M-Bus Master Control log object 1 (@1941)
    LogicalName = '0-1:24.5.0.255'
    ClassId = 7
    AttributeExtraInfo = {
        // capture_objects
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // M-Bus Master Control log object 2 (@1952)
    LogicalName = '0-2:24.5.0.255'
    ClassId = 7
    AttributeExtraInfo = {
        // capture_objects
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // M-Bus Master Control log object 3 (@1963)
    LogicalName = '0-3:24.5.0.255'
    ClassId = 7
    AttributeExtraInfo = {
        // capture_objects
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // M-Bus Master Control log object 4 (@1974)
    LogicalName = '0-4:24.5.0.255'
    ClassId = 7
    AttributeExtraInfo = {
        // capture_objects
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // M-Bus Event Log (@1989)
    LogicalName = '0-0:99.98.3.255'
    ClassId = 7
    AttributeExtraInfo = {
        // capture_objects

```

```

        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Push script table (@2139)
    LogicalName = '0-0:10.0.108.255'
    ClassId = 9
    AttributeExtraInfo = {
        // scripts
        AttributeId = 2
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Push action scheduler - Interval_1 (@2144)
    LogicalName = '0-1:15.0.4.255'
    ClassId = 22
    AttributeExtraInfo = {
        // executed_script
        AttributeId = 2
        AccessRights = [GET,SET]
    }
    AttributeExtraInfo = {
        // type
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Push action scheduler - Interval_2 (@2150)
    LogicalName = '0-2:15.0.4.255'
    ClassId = 22
    AttributeExtraInfo = {
        // executed_script
        AttributeId = 2
        AccessRights = [GET,SET]
    }
    AttributeExtraInfo = {
        // type
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Push action scheduler - Interval_3 (@2156)
    LogicalName = '0-3:15.0.4.255'
    ClassId = 22
    AttributeExtraInfo = {
        // executed_script
        AttributeId = 2
        AccessRights = [GET,SET]
    }
    AttributeExtraInfo = {
        // type
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

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

```

```

}

// needed for conformance test.
InstanceExtraInfo =
{
    LogicalName = '0-0:29.1.0.255'
    ClassId = 91
    Version = 1

    AttributeExtraInfo =
    {
        AttributeId = 5
        SetData = '\ ' +
            '<Data>' +
            ' <Array Qty = "01">' +
            '   <Structure Qty = "02">' +
            '     <Unsigned Value = "00" />' +
            '     <OctetString Value = "00112233445566778899AABBCCDDEEFF"/>' +
            '   </Structure>' +
            ' </Array>' +
            '</Data>'
        AccessRights = [SET]
    }
}

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="07E7060DFF10000FF8000FF" /></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>'
+ '   </Array>'
+ ' </Data>'
    }
}

```

```

+'          </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 = 5000
    ClientSystemTitle = '58585A0102030405'

    ImageTransfer = {
        ImageIdentifier = '\MEM600_6FqQri77_000000'
    }
}

```

```

    ImageFileName = '\MEM600_6FqQri77_000000_Application_6.51.932.bin'
    Timeout       = 60000
}

PushTimeout = 60000
MinInterWPDUFramesDelay = 800
CaptureDelay = 12000
ClipCallDuration = 12000

WakeUpDelay = 30000
DisconnectToSendSMSDelay = 5000
DataNotificationToDisconnectDelay = 1000
}

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 = NO_SECURITY
        ServerMaxReceivePduSize = 1224
        CipheringStyle = GENERAL
    }
}

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

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

HDLCPprofile = {
    PhysicalLayer = {
        OpeningMode = DIRECT_HDLC
        HdlcBaud = 9600
    }
    DataLinkLayer = {
        InactivityTimeout = 120000
        InterFrameTimeout = 500
        ResponseTimeout = 5000
    }
}

```



```

DISCToNDMTimeout      = 3000
AddressingSchemes     = [TWO_BYTES_ADDRESSING]
ServerLowerMACAddress = 20
LastRecToNextSendDelay = 0
}

UIFrameDelay = 2000

UIFrameLength = 126
}

TCPProfile = {
  ServerTCPPort = 4059
  ResponseTimeout = 10000
  ConnectTimeout = 30000
  DisconnectToConnectDelay = 15000
}

// Mandatory parameters of the ''Remote'' G3-PLC profile
G3PLCProfile = {
  FrequencyBand = CENELEC_A
  ResponseTimeout = 40000
  UDPPort = 61616
  ConnectTimeout = 10000
  PSK = "AB10341145111BC3C12DE8FF11142204"
}

// 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:  4D454C6670B71B14
Run number:        2149

```