

Final Interoperability Test Report

FIT #: **33**
 Date: 04.10.2018
 Location: DNV-GL, Arnhem, Netherlands
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APPLICANT

Company: Landis+Gyr AG

Address: Theilerstrasse 1, 6301 Zug, Switzerland

| DEVICE | | |
|--------------------------------------|----------------------------------|---------------------------------------|
| Device type | E570 S2 ZxY4xxCQ...S2 | |
| Type indication on MID certificate | MID Certificate No. | |
| E570 S2 ZxY4xxCQ...S2 (G3-PLC) | NMI T11335R1 | |
| IDIS Specification reference | DNV-gl IDIS Certification run No | Digital signature of the test report. |
| Package 2 ed. 2.0 | 302 | 5847938729424548A203EE454545CD62 |
| First certification | IDIS Label | Modular device |
| <input checked="" type="checkbox"/> | 0043 | <input type="checkbox"/> |
| General information about the device | | |
| | | |

| FIRMWARE VERSIONS TESTED | | | | Final Interoperability Test No. 33 |
|--------------------------|----------------|--------------|--------------|------------------------------------|
| Firmware No. | Firmware ID1 | Firmware ID2 | Firmware ID3 | Verdict |
| 1 | 56383330350000 | | | Passed |
| | | | | |

Honeywell

Iskraemeco d.d.

Itron

Landis+Gyr AG

Fit #33

Device:E570 S2 ZxY4xxCQ...S2

DNV-GL,Arnhem, Netherlands, 04.10.2018

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| FIRMWARE VERSIONS HISTORY | | | | <i>Final Integration Test</i> | |
|---------------------------|----------------|--------------|--------------|-------------------------------|---------|
| Firmware No. | Firmware ID1 | Firmware ID2 | Firmware ID3 | No. | Verdict |
| 1 | 56383330350000 | | | 33 | Passed |
| | | | | | |
| | | | | | |
| | | | | | |

| TEST REPORT - Firmware No. 1 | | |
|--|---------|--------|
| Test | Verdict | Remark |
| Connect and release | Passed | |
| All Device IDs | Passed | |
| COSEM logical device name | Passed | |
| SAP assignment | Passed | |
| FW version and signature | Passed | |
| All Device ID's | Passed | |
| Broadcast Date and time | Passed | |
| Broadcast Special Days Table | Passed | |
| Event logs | Passed | |
| Billing data period 1 | Passed | |
| M-Bus Channel Setup | Passed | |
| M-Bus Results | Passed | |
| M-Bus Devices IDs | Passed | |
| M-Bus profiles | Passed | |
| M-Bus Load profiles | Passed | |
| M-Bus control logs | Passed | |
| M-Bus Disconnect log | Passed | |
| FIT Push | Passed | |
| FIT Miscellaneous | Passed | |
| Optical Port Connectivity | Passed | |
| Consumer Information Interface | Passed | |
| FIT Conformance Test Report | | |
| <pre> ***** IDIS Conformance test report 04-OCT-2018 11:25:10 iCTT2 Package 2, Edition 2.0, Revision 1 (134) Licensed to: KEMA-IDIS Cert. Tester: Bas Roelofsen ***** ***** * Identification * ***** Manufacturer = { Name = '\Landis + Gyr' ThreeLettersId = '\LGZ' } DeviceUnderTest = { IDISDeviceType = 103 IDISFunctionType = [EXTENSION_D, EXTENSION_L, EXTENSION_M] SerialNr = 43649512 Type = '\Landis+Gyr E570 S2 ZxY4xxCQ...S2 (G3 PC)' EUI64Address = '000F93FFFE000001' DataLinkLayer = G3 IPVersion = IPV6 ConsumerInformationPush = TRUE } Active firmware identifier (1-0:0.2.0.255) = 56383330350000 ***** * Summary * ***** PASSED 262 FAILED 0 DISABLED 0 INAPPLICABLE 11 INCONCLUSIVE 0 FATAL 0 TOTAL 273 </pre> | | |

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*****
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="\43649512" />
    </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="\Device ID 2" />
    </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="\Device ID 3" />
    </Data>

Mngmt Get Device ID 4 0-0:96.1.3.255 (@58)
(7) .logical_name PASSED
    <Data>
      <OctetString Value="0000600103FF" />
    </Data>
(8) .value PASSED
    <Data>
      <OctetString Value="\Device ID 4" />
    </Data>

Mngmt Get Device ID 5 0-0:96.1.4.255 (@62)
(9) .logical_name PASSED
    <Data>
      <OctetString Value="0000600104FF" />
    </Data>
(10) .value PASSED
    <Data>
      <OctetString Value="\Device ID 5" />
    </Data>

Mngmt Get Device ID 6, IDIS certification number 0-0:96.1.5.255 (@66)
(11) .logical_name PASSED
    <Data>
      <OctetString Value="0000600105FF" />
    </Data>
(12) .value PASSED
    <Data>
      <OctetString Value="\Device ID 6" />
    </Data>

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*****
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="\LGZ1030743649512" />
    </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="\LGZ1030743649512" />
    </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="56383330350000" />
    </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="\9632D39C" />
    </Data>

Mngmt Get Active firmware identifier 1 1-1:0.2.0.255 (@420)
(5) .logical_name
INAPPLICABLE
    Optional object is not implemented
(6) .value
INAPPLICABLE
    Optional object is not implemented

Mngmt Get Active firmware signature 1 1-1:0.2.8.255 (@424)
(7) .logical_name
INAPPLICABLE
    Optional object is not implemented
(8) .value
INAPPLICABLE
    Optional object is not implemented

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

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

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

Pre Set Clock 0-0:1.0.0.255 (@75)
(1) .time                                     PASSED
    <Data>
        <OctetString Value="07E20A04040B0000FF8000FF" />
    </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="07E20A04040B0002FF800080" />
    </Data>

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

Pre Set Special Days Table 0-0:11.0.0.255 (@125)
(1) .entries                                  PASSED
    <Data>
        <Array Qty="001E" >
            <Structure Qty="0003" >
                <LongUnsigned Value="0001" />
                <OctetString Value="FFFF0101FF" />
                <Unsigned Value="02" />
            </Structure>
            <Structure Qty="0003" >
                <LongUnsigned Value="0001" />
                <OctetString Value="FFFF0102FF" />
                <Unsigned Value="02" />
            </Structure>
            <Structure Qty="0003" >
                <LongUnsigned Value="0001" />
                <OctetString Value="FFFF0103FF" />
                <Unsigned Value="02" />
            </Structure>
            <Structure Qty="0003" >
                <LongUnsigned Value="0001" />
                <OctetString Value="FFFF0104FF" />
                <Unsigned Value="02" />
            </Structure>
            <Structure Qty="0003" >
                <LongUnsigned Value="0001" />
                <OctetString Value="FFFF0105FF" />
                <Unsigned Value="02" />
            </Structure>
            <Structure Qty="0003" >
                <LongUnsigned Value="0001" />
                <OctetString Value="FFFF0106FF" />
                <Unsigned Value="02" />
            </Structure>
        </Array>
    </Data>

```

```

</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0107FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0108FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0109FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF010AFF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0201FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0202FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0203FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0204FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0205FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0206FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0207FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0208FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0209FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF020AFF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />

```

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    <OctetString Value="FFFF0301FF" />
    <Unsigned Value="02" />
  </Structure>
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0302FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0303FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0304FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0305FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0306FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0307FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0308FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0309FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF030AFF" />
  <Unsigned Value="02" />
</Structure>
</Array>
</Data>

```

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

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

(1) .entries

PASSED

```

  <Data>
    <Array Qty="001E" >
      <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0101FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0102FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0103FF" />
        <Unsigned Value="02" />
      </Structure>
    </Array>
  </Data>

```



```

</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0104FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0105FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0106FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0107FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0108FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0109FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF010AFF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0201FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0202FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0203FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0204FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0205FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0206FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0207FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />

```

```

    <OctetString Value="FFFF0208FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0209FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF020AFF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0301FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0302FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0303FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0304FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0305FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0306FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0307FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0308FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF0309FF" />
    <Unsigned Value="02" />
  </Structure>
  <Structure Qty="0003" >
    <LongUnsigned Value="0001" />
    <OctetString Value="FFFF030AFF" />
    <Unsigned Value="02" />
  </Structure>
</Array>
</Data>

```

```

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

```

```

Mngmt Get Disconnect Control Log 0-0:99.98.2.255 (@193)
(1) .logical_name
<Data>

```

PASSED

| | | |
|---|---|--------|
| <pre> <OctetString Value="0000636202FF" /> </Data> </pre> | | |
| (2) .buffer | <pre> Earliest date: 26-SEP-2018 12:25:00, latest date: 27-OCT-2019 01:44:50 Middle date: 27-SEP-2018 12:15:00 </pre> | PASSED |
| (3) .entries_in_use | <pre> <Data> <DoubleLongUnsigned Value="00000010" /> </Data> </pre> | PASSED |
| (4) .profile_entries | <pre> <Data> <DoubleLongUnsigned Value="00000010" /> </Data> </pre> | PASSED |
| Mngmt Get Standard Event Log 0-0:99.98.0.255 (@301) | | |
| (5) .logical_name | <pre> <Data> <OctetString Value="0000636200FF" /> </Data> </pre> | PASSED |
| (6) .buffer | <pre> Earliest date: 01-JAN-2000 00:00:00, latest date: 27-OCT-2019 04:25:42 Middle date: 02-DEC-2018 00:00:00 </pre> | PASSED |
| (7) .entries_in_use | <pre> <Data> <DoubleLongUnsigned Value="000001BD" /> </Data> </pre> | PASSED |
| (8) .profile_entries | <pre> <Data> <DoubleLongUnsigned Value="00000220" /> </Data> </pre> | PASSED |
| Mngmt Get Fraud Detection Log 0-0:99.98.1.255 (@316) | | |
| (9) .logical_name | <pre> <Data> <OctetString Value="0000636201FF" /> </Data> </pre> | PASSED |
| (10) .buffer | <pre> Earliest date: 01-JAN-2000 00:00:00, latest date: 04-OCT-2018 10:10:30 Middle date: 03-OCT-2018 17:14:32 </pre> | PASSED |
| (11) .entries_in_use | <pre> <Data> <DoubleLongUnsigned Value="00000026" /> </Data> </pre> | PASSED |
| (12) .profile_entries | <pre> <Data> <DoubleLongUnsigned Value="00000048" /> </Data> </pre> | PASSED |
| Mngmt Get Communication Log 0-0:99.98.5.255 (@331) | | |
| (13) .logical_name | <pre> <Data> <OctetString Value="0000636205FF" /> </Data> </pre> | PASSED |
| (14) .buffer | <pre> Earliest date: 26-SEP-2018 12:47:38, latest date: 27-OCT-2019 04:21:21 Middle date: 03-OCT-2018 17:36:35 </pre> | PASSED |
| (15) .entries_in_use | <pre> <Data> <DoubleLongUnsigned Value="00000018" /> </Data> </pre> | PASSED |
| (16) .profile_entries | <pre> <Data> <DoubleLongUnsigned Value="00000464" /> </Data> </pre> | PASSED |
| Mngmt Get Power Quality Log 0-0:99.98.4.255 (@1340) | | |
| (17) .logical_name | <pre> <Data> <OctetString Value="0000636204FF" /> </Data> </pre> | PASSED |
| (18) .buffer | <pre> Earliest date: 26-SEP-2018 14:52:24, latest date: 27-OCT-2019 03:14:51 Middle date: 27-SEP-2018 07:25:09 </pre> | PASSED |

| | |
|--|--------|
| (19) .entries_in_use | PASSED |
| <Data> | |
| <DoubleLongUnsigned Value="000000D9" /> | |
| </Data> | |
| (20) .profile_entries | PASSED |
| <Data> | |
| <DoubleLongUnsigned Value="000000D9" /> | |
| </Data> | |
| ***** | |
| Test Case 11 : Reading Data of Billing Period 1, 8 item(s) | |
| ***** | |
| Mngmt Get Data of billing period 1 0-0:98.1.0.255 (@158) | |
| (1) .logical_name | PASSED |
| <Data> | |
| <OctetString Value="0000620100FF" /> | |
| </Data> | |
| (2) .buffer | PASSED |
| Earliest date: 02-OCT-2018 00:00:00, latest date: 02-NOV-2019 00:00:00 | |
| Middle date: 02-APR-2019 00:00:00 | |
| (3) .capture_objects | PASSED |
| <Data> | |
| <Array Qty="000D" > | |
| <Structure Qty="0004" > | |
| <LongUnsigned Value="0008" /> | |
| <OctetString Value="0000010000FF" /> | |
| <Integer Value="02" /> | |
| <LongUnsigned Value="0000" /> | |
| </Structure> | |
| <Structure Qty="0004" > | |
| <LongUnsigned Value="0003" /> | |
| <OctetString Value="0100010801FF" /> | |
| <Integer Value="02" /> | |
| <LongUnsigned Value="0000" /> | |
| </Structure> | |
| <Structure Qty="0004" > | |
| <LongUnsigned Value="0003" /> | |
| <OctetString Value="0100010802FF" /> | |
| <Integer Value="02" /> | |
| <LongUnsigned Value="0000" /> | |
| </Structure> | |
| <Structure Qty="0004" > | |
| <LongUnsigned Value="0003" /> | |
| <OctetString Value="0100020801FF" /> | |
| <Integer Value="02" /> | |
| <LongUnsigned Value="0000" /> | |
| </Structure> | |
| <Structure Qty="0004" > | |
| <LongUnsigned Value="0003" /> | |
| <OctetString Value="0100020802FF" /> | |
| <Integer Value="02" /> | |
| <LongUnsigned Value="0000" /> | |
| </Structure> | |
| <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> | |
| </Array> | |

```

        <LongUnsigned Value="0004" />
        <OctetString Value="0001180204FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0001180205FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0001180206FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0001180207FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0001180208FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
    </Structure>
    </Array>
    </Data>
(4) .capture_period PASSED
    <Data>
        <DoubleLongUnsigned Value="00000000" />
    </Data>
(5) .sort_method PASSED
    <Data>
        <Enum Value="01" />
    </Data>
(6) .sort_object PASSED
    <Data>
        <Structure Qty="0004" >
            <LongUnsigned Value="0000" />
            <OctetString Value="000000000000" />
            <Integer Value="00" />
            <LongUnsigned Value="0000" />
        </Structure>
    </Data>
(7) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="0000000C" />
    </Data>
(8) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="000000DD" />
    </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="0008" > | |
| <Structure Qty="0002" > | |
| <OctetString Value="\L" /> | |
| <OctetString Value="933A" /> | |
| </Structure> | |
| <Structure Qty="0002" > | |
| <OctetString Value="8940" /> | |
| <OctetString Value="FD1A" /> | |
| </Structure> | |
| <Structure Qty="0002" > | |
| <OctetString Value="" /> | |
| <OctetString Value="" /> | |
| </Structure> | |
| <Structure Qty="0002" > | |
| <OctetString Value="" /> | |
| <OctetString Value="" /> | |
| </Structure> | |
| <Structure Qty="0002" > | |
| <OctetString Value="" /> | |
| <OctetString Value="" /> | |
| </Structure> | |
| <Structure Qty="0002" > | |
| <OctetString Value="" /> | |
| <OctetString Value="" /> | |
| </Structure> | |
| <Structure Qty="0002" > | |
| <OctetString Value="" /> | |
| <OctetString Value="" /> | |
| </Structure> | |
| <Structure Qty="0002" > | |
| <OctetString Value="" /> | |
| <OctetString Value="" /> | |
| </Structure> | |
| </Array> | |
| </Data> | |
| (8) .capture_period | PASSED |
| <Data> | |
| <DoubleLongUnsigned Value="00000E10" /> | |
| </Data> | |
| (9) .primary_address | PASSED |
| <Data> | |
| <Unsigned Value="01" /> | |
| </Data> | |
| (10) .identification_number | PASSED |
| <Data> | |
| <DoubleLongUnsigned Value="00047BB1" /> | |
| </Data> | |
| (11) .manufacturer_id | PASSED |
| <Data> | |
| <LongUnsigned Value="19AC" /> | |
| </Data> | |
| (12) .version | PASSED |
| <Data> | |
| <Unsigned Value="02" /> | |
| </Data> | |

| | | |
|---|---|--------|
| (13) | .device_type <Data> <Unsigned Value="03" /> </Data> | PASSED |
| (14) | .access_number <Data> <Unsigned Value="33" /> </Data> | PASSED |
| (15) | .status <Data> <Unsigned Value="40" /> </Data> | PASSED |
| (16) | .alarm <Data> <Unsigned Value="00" /> </Data> | PASSED |
| Mngmt Get M-Bus client channel 2 0-2:24.1.0.255 (@1596) | | |
| (17) | .logical_name <Data> <OctetString Value="0002180100FF" /> </Data> | PASSED |
| (18) | .mbus_port_reference <Data> <OctetString Value="0000180600FF" /> </Data> | PASSED |
| (19) | .capture_definition <Data> <Array Qty="0008" > <Structure Qty="0002" > <OctetString Value="\L" /> <OctetString Value="933A" /> </Structure> <Structure Qty="0002" > <OctetString Value="8940" /> <OctetString Value="FD1A" /> </Structure> <Structure Qty="0002" > <OctetString Value="" /> <OctetString Value="" /> </Structure> <Structure Qty="0002" > <OctetString Value="" /> <OctetString Value="" /> </Structure> <Structure Qty="0002" > <OctetString Value="" /> <OctetString Value="" /> </Structure> <Structure Qty="0002" > <OctetString Value="" /> <OctetString Value="" /> </Structure> <Structure Qty="0002" > <OctetString Value="" /> <OctetString Value="" /> </Structure> <Structure Qty="0002" > <OctetString Value="" /> <OctetString Value="" /> </Structure> </Array> </Data> | PASSED |
| (20) | .capture_period <Data> <DoubleLongUnsigned Value="00000E10" /> </Data> | PASSED |
| (21) | .primary_address <Data> <Unsigned Value="02" /> </Data> | PASSED |
| (22) | .identification_number <Data> | PASSED |

| | | |
|---|---|--------|
| (32) | .capture_period | PASSED |
| | <Data> | |
| | <DoubleLongUnsigned Value="00000E10" /> | |
| | </Data> | |
| (33) | .primary_address | PASSED |
| | <Data> | |
| | <Unsigned Value="03" /> | |
| | </Data> | |
| (34) | .identification_number | PASSED |
| | <Data> | |
| | <DoubleLongUnsigned Value="00047BB4" /> | |
| | </Data> | |
| (35) | .manufacturer_id | PASSED |
| | <Data> | |
| | <LongUnsigned Value="19AC" /> | |
| | </Data> | |
| (36) | .version | PASSED |
| | <Data> | |
| | <Unsigned Value="02" /> | |
| | </Data> | |
| (37) | .device_type | PASSED |
| | <Data> | |
| | <Unsigned Value="03" /> | |
| | </Data> | |
| (38) | .access_number | PASSED |
| | <Data> | |
| | <Unsigned Value="16" /> | |
| | </Data> | |
| (39) | .status | PASSED |
| | <Data> | |
| | <Unsigned Value="40" /> | |
| | </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="0008" > | |
| | <Structure Qty="0002" > | |
| | <OctetString Value="\L" /> | |
| | <OctetString Value="933A" /> | |
| | </Structure> | |
| | <Structure Qty="0002" > | |
| | <OctetString Value="8940" /> | |
| | <OctetString Value="FD1A" /> | |
| | </Structure> | |
| | <Structure Qty="0002" > | |
| | <OctetString Value="" /> | |
| | <OctetString Value="" /> | |
| | </Structure> | |
| | <Structure Qty="0002" > | |
| | <OctetString Value="" /> | |
| | <OctetString Value="" /> | |
| | </Structure> | |
| | <Structure Qty="0002" > | |
| | <OctetString Value="" /> | |
| | <OctetString Value="" /> | |
| | </Structure> | |
| | <Structure Qty="0002" > | |
| | <OctetString Value="" /> | |
| | <OctetString Value="" /> | |
| | </Structure> | |
| | </Array> | |
| | </Data> | |

| | |
|---|--|
| | <pre> <Structure Qty="0002" > <OctetString Value="" /> <OctetString Value="" /> </Structure> <Structure Qty="0002" > <OctetString Value="" /> <OctetString Value="" /> </Structure> </Array> </Data> (44) .capture_period PASSED <Data> <DoubleLongUnsigned Value="00000E10" /> </Data> (45) .primary_address PASSED <Data> <Unsigned Value="04" /> </Data> (46) .identification_number PASSED <Data> <DoubleLongUnsigned Value="00047BB3" /> </Data> (47) .manufacturer_id PASSED <Data> <LongUnsigned Value="19AC" /> </Data> (48) .version PASSED <Data> <Unsigned Value="02" /> </Data> (49) .device_type PASSED <Data> <Unsigned Value="03" /> </Data> (50) .access_number PASSED <Data> <Unsigned Value="63" /> </Data> (51) .status PASSED <Data> <Unsigned Value="40" /> </Data> (52) .alarm PASSED <Data> <Unsigned Value="00" /> </Data> </pre> |
| <p>***** Test Case 13 : Ext. M - M-Bus Results uncorrected Vol. & valve, 40 item(s) *****</p> | |
| | <pre> 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="00000DC0" /> </Data> (3) .scaler_unit PASSED <Data> <Structure Qty="0002" > <Integer Value="FD" /> <Enum Value="0D" /> </Structure> </Data> (4) .status PASSED <Data> <Unsigned Value="20" /> </Data> (5) .capture_time PASSED <Data> </pre> |

| | | |
|--|---|--------|
| | <OctetString Value="07E20A04040B000AFF800080" /> </Data> | |
| Mngmt Get M-Bus Value channel 1, instance 2 0-1:24.2.2.255 (@1670) | | |
| (6) .logical_name | <Data> <OctetString Value="0001180202FF" /> </Data> | PASSED |
| (7) .value | <Data> <DoubleLongUnsigned Value="00000000" /> </Data> | PASSED |
| (8) .scaler_unit | <Data> <Structure Qty="0002" > <Integer Value="00" /> <Enum Value="FF" /> </Structure> </Data> | PASSED |
| (9) .status | <Data> <Unsigned Value="01" /> </Data> | PASSED |
| (10) .capture_time | <Data> <OctetString Value="07D0010106000000FF800000" /> </Data> | PASSED |
| Mngmt Get M-Bus Value channel 2, instance 1 0-2:24.2.1.255 (@1694) | | |
| (11) .logical_name | <Data> <OctetString Value="0002180201FF" /> </Data> | PASSED |
| (12) .value | <Data> <DoubleLongUnsigned Value="00000A0C" /> </Data> | PASSED |
| (13) .scaler_unit | <Data> <Structure Qty="0002" > <Integer Value="FD" /> <Enum Value="0D" /> </Structure> </Data> | PASSED |
| (14) .status | <Data> <Unsigned Value="20" /> </Data> | PASSED |
| (15) .capture_time | <Data> <OctetString Value="07E20A04040B0014FF800080" /> </Data> | PASSED |
| Mngmt Get M-Bus Value channel 2, instance 2 0-2:24.2.2.255 (@1702) | | |
| (16) .logical_name | <Data> <OctetString Value="0002180202FF" /> </Data> | PASSED |
| (17) .value | <Data> <DoubleLongUnsigned Value="00000000" /> </Data> | PASSED |
| (18) .scaler_unit | <Data> <Structure Qty="0002" > <Integer Value="00" /> <Enum Value="FF" /> </Structure> </Data> | PASSED |
| (19) .status | <Data> <Unsigned Value="01" /> </Data> | PASSED |

| | | |
|------|--|--------|
| (20) | .capture_time | PASSED |
| | <Data> | |
| | <OctetString Value="07D0010106000000FF800000" /> | |
| | </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="00000D1B" /> | |
| | </Data> | |
| (23) | .scaler_unit | PASSED |
| | <Data> | |
| | <Structure Qty="0002" > | |
| | <Integer Value="FD" /> | |
| | <Enum Value="0D" /> | |
| | </Structure> | |
| | </Data> | |
| (24) | .status | PASSED |
| | <Data> | |
| | <Unsigned Value="20" /> | |
| | </Data> | |
| (25) | .capture_time | PASSED |
| | <Data> | |
| | <OctetString Value="07E20A04040B001EFF800080" /> | |
| | </Data> | |
| | Mngmt Get M-Bus Value channel 3, instance 2 0-3:24.2.2.255 (@1734) | |
| (26) | .logical_name | PASSED |
| | <Data> | |
| | <OctetString Value="0003180202FF" /> | |
| | </Data> | |
| (27) | .value | PASSED |
| | <Data> | |
| | <DoubleLongUnsigned Value="00000000" /> | |
| | </Data> | |
| (28) | .scaler_unit | PASSED |
| | <Data> | |
| | <Structure Qty="0002" > | |
| | <Integer Value="00" /> | |
| | <Enum Value="FF" /> | |
| | </Structure> | |
| | </Data> | |
| (29) | .status | PASSED |
| | <Data> | |
| | <Unsigned Value="01" /> | |
| | </Data> | |
| (30) | .capture_time | PASSED |
| | <Data> | |
| | <OctetString Value="07D0010106000000FF800000" /> | |
| | </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="000008B6" /> | |
| | </Data> | |
| (33) | .scaler_unit | PASSED |
| | <Data> | |
| | <Structure Qty="0002" > | |
| | <Integer Value="FD" /> | |
| | <Enum Value="0D" /> | |
| | </Structure> | |
| | </Data> | |
| (34) | .status | PASSED |
| | <Data> | |

| | | |
|--|--|--------|
| | <Unsigned Value="20" /> | |
| | </Data> | |
| (35) | .capture_time | PASSED |
| | <Data> | |
| | <OctetString Value="07E20A04040B0028FF800080" /> | |
| | </Data> | |
| | Mngmt Get M-Bus Value channel 4, instance 2 0-4:24.2.2.255 (@1766) | |
| (36) | .logical_name | PASSED |
| | <Data> | |
| | <OctetString Value="0004180202FF" /> | |
| | </Data> | |
| (37) | .value | PASSED |
| | <Data> | |
| | <DoubleLongUnsigned Value="00000000" /> | |
| | </Data> | |
| (38) | .scaler_unit | PASSED |
| | <Data> | |
| | <Structure Qty="0002" > | |
| | <Integer Value="00" /> | |
| | <Enum Value="FF" /> | |
| | </Structure> | |
| | </Data> | |
| (39) | .status | PASSED |
| | <Data> | |
| | <Unsigned Value="01" /> | |
| | </Data> | |
| (40) | .capture_time | PASSED |
| | <Data> | |
| | <OctetString Value="07D0010106000000FF800000" /> | |
| | </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: 04-OCT-2018 03:00:00, latest date: 04-OCT-2018 11:00:00
    Middle date: 04-OCT-2018 07:00:00
(3) .capture_objects PASSED
    <Data>
        <Array Qty="0004" >
            <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" />
            </Structure>
        </Array>
    </Data>

```

```

        <Integer Value="02" />
        <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0001180202FF" />
        <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="04" />
    </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="0000047F" />
    </Data>

Mngmt Get M-Bus Master Load profile for channel 2 0-2:24.3.0.255 (@1849)
(9) .logical_name PASSED
    <Data>
        <OctetString Value="0002180300FF" />
    </Data>
(10) .buffer PASSED
    Earliest date: 04-OCT-2018 03:00:00, latest date: 04-OCT-2018 11:00:00
    Middle date: 04-OCT-2018 07:00:00
(11) .capture_objects PASSED
    <Data>
        <Array Qty="000A" >
            <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>
        </Array>
    </Data>

```

```

        <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>
    <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0002180205FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0002180206FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0002180207FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0002180208FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
    </Structure>
</Array>
</Data>
(12) .capture_period PASSED
    <Data>
        <DoubleLongUnsigned Value="00000E10" />
    </Data>
(13) .sort_method PASSED
    <Data>
        <Enum Value="04" />
    </Data>
(14) .sort_object PASSED
    <Data>
        <Structure Qty="0004" >
            <LongUnsigned Value="0008" />
            <OctetString Value="0000010000FF" />
            <Integer Value="02" />
            <LongUnsigned Value="0000" />
        </Structure>
    </Data>
(15) .entries_in_use PASSED
    <Data>
        <DoubleLongUnsigned Value="00000009" />
    </Data>
(16) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="000001BA" />
    </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: 04-OCT-2018 03:00:00, latest date: 04-OCT-2018 11:00:00
    Middle date: 04-OCT-2018 07:00:00
(19) .capture_objects PASSED
    <Data>

```



```

    <Array Qty="000A" >
      <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>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0003180205FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0003180206FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0003180207FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0003180208FF" />
        <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="04" />
  </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="00000009" />
    </Data>
(24) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="000001BA" />
    </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: 04-OCT-2018 03:00:00, latest date: 04-OCT-2018 11:00:00
    Middle date: 04-OCT-2018 07:00:00
(27) .capture_objects PASSED
    <Data>
        <Array Qty="000A" >
            <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>
            <Structure Qty="0004" >
                <LongUnsigned Value="0004" />
                <OctetString Value="0004180205FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0004" />
                <OctetString Value="0004180206FF" />
                <Integer Value="02" />
            </Structure>
        </Array>
    </Data>

```

```

        <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0004180207FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0004180208FF" />
        <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="04" />
    </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="00000009" />
    </Data>
(32) .profile_entries PASSED
    <Data>
        <DoubleLongUnsigned Value="000001BA" />
    </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: 04-OCT-2018 09:14:07, latest date: 04-OCT-2018 11:02:07
    Middle date: 04-OCT-2018 09:14:10
(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 <Data> <Enum Value="01" /> </Data> | PASSED |
| (6) | .sort_object <Data> <Structure Qty="0004" > <LongUnsigned Value="0000" /> <OctetString Value="000000000000" /> <Integer Value="00" /> <LongUnsigned Value="0000" /> </Structure> </Data> | PASSED |
| (7) | .entries_in_use <Data> <DoubleLongUnsigned Value="00000007" /> </Data> | PASSED |
| (8) | .profile_entries <Data> <DoubleLongUnsigned Value="00000024" /> </Data> | PASSED |
| | Mngmt Get M-Bus Master Control log object 2 0-2:24.5.0.255 (@1952) | |
| (9) | .logical_name <Data> <OctetString Value="0002180500FF" /> </Data> | PASSED |
| (10) | .buffer Earliest date: 04-OCT-2018 09:14:07, latest date: 04-OCT-2018 10:10:30 Middle date: 04-OCT-2018 10:10:30 | PASSED |
| (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="0000" /> <OctetString Value="000000000000" /> <Integer Value="00" /> <LongUnsigned Value="0000" /> </Structure> </Data> | PASSED |
| (15) | .entries_in_use <Data> <DoubleLongUnsigned Value="0000000D" /> </Data> | PASSED |
| (16) | .profile_entries <Data> <DoubleLongUnsigned Value="00000024" /> | PASSED |

| | | |
|--|--|--------|
| </Data> | | |
| Mngmt Get M-Bus Master Control log object 3 0-3:24.5.0.255 (@1963) | | |
| (17) | .logical_name | PASSED |
| | <Data> | |
| | <OctetString Value="0003180500FF" /> | |
| | </Data> | |
| (18) | .buffer | PASSED |
| | Earliest date: 04-OCT-2018 09:14:07, latest date: 04-OCT-2018 10:10:30 | |
| | Middle date: 04-OCT-2018 10:10:30 | |
| (19) | .capture_objects | PASSED |
| | <Data> | |
| | <Array Qty="0002" > | |
| | <Structure Qty="0004" > | |
| | <LongUnsigned Value="0008" /> | |
| | <OctetString Value="0000010000FF" /> | |
| | <Integer Value="02" /> | |
| | <LongUnsigned Value="0000" /> | |
| | </Structure> | |
| | <Structure Qty="0004" > | |
| | <LongUnsigned Value="0001" /> | |
| | <OctetString Value="0003600B04FF" /> | |
| | <Integer Value="02" /> | |
| | <LongUnsigned Value="0000" /> | |
| | </Structure> | |
| | </Array> | |
| | </Data> | |
| (20) | .capture_period | PASSED |
| | <Data> | |
| | <DoubleLongUnsigned Value="00000000" /> | |
| | </Data> | |
| (21) | .sort_method | PASSED |
| | <Data> | |
| | <Enum Value="01" /> | |
| | </Data> | |
| (22) | .sort_object | PASSED |
| | <Data> | |
| | <Structure Qty="0004" > | |
| | <LongUnsigned Value="0000" /> | |
| | <OctetString Value="000000000000" /> | |
| | <Integer Value="00" /> | |
| | <LongUnsigned Value="0000" /> | |
| | </Structure> | |
| | </Data> | |
| (23) | .entries_in_use | PASSED |
| | <Data> | |
| | <DoubleLongUnsigned Value="0000000D" /> | |
| | </Data> | |
| (24) | .profile_entries | PASSED |
| | <Data> | |
| | <DoubleLongUnsigned Value="00000024" /> | |
| | </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: 04-OCT-2018 09:14:07, latest date: 04-OCT-2018 10:10:30 | |
| | Middle date: 04-OCT-2018 10:10:30 | |
| (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" /> | |

| | |
|--|--|
| | <pre> <Integer Value="02" /> <LongUnsigned Value="0000" /> </Structure> </Array> </Data> (28) .capture_period PASSED <Data> <DoubleLongUnsigned Value="00000000" /> </Data> (29) .sort_method PASSED <Data> <Enum Value="01" /> </Data> (30) .sort_object PASSED <Data> <Structure Qty="0004" > <LongUnsigned Value="0000" /> <OctetString Value="000000000000" /> <Integer Value="00" /> <LongUnsigned Value="0000" /> </Structure> </Data> (31) .entries_in_use PASSED <Data> <DoubleLongUnsigned Value="0000000D" /> </Data> (32) .profile_entries PASSED <Data> <DoubleLongUnsigned Value="00000024" /> </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: 21-SEP-2018 23:59:50, latest date: 27-OCT-2019 02:29:50 Middle date: 27-OCT-2019 02:29:50 (35) .capture_objects PASSED <Data> <Array Qty="0002" > <Structure Qty="0004" > <LongUnsigned Value="0008" /> <OctetString Value="0000010000FF" /> <Integer Value="02" /> <LongUnsigned Value="0000" /> </Structure> <Structure Qty="0004" > <LongUnsigned Value="0001" /> <OctetString Value="0000600B03FF" /> <Integer Value="02" /> <LongUnsigned Value="0000" /> </Structure> </Array> </Data> (36) .capture_period PASSED <Data> <DoubleLongUnsigned Value="00000000" /> </Data> (37) .sort_method PASSED <Data> <Enum Value="01" /> </Data> (38) .sort_object PASSED <Data> <Structure Qty="0004" > <LongUnsigned Value="0000" /> <OctetString Value="000000000000" /> <Integer Value="00" /> <LongUnsigned Value="0000" /> </Structure> </Data> </pre> |
|--|--|

| | |
|---|--------|
| (39) .entries_in_use | PASSED |
| <Data> | |
| <DoubleLongUnsigned Value="00000048" /> | |
| </Data> | |
| (40) .profile_entries | PASSED |
| <Data> | |
| <DoubleLongUnsigned Value="00000048" /> | |
| </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="00" /> | |
| </Data> | |
| (4) .control_mode | PASSED |
| <Data> | |
| <Enum Value="01" /> | |
| </Data> | |
| Mngmt Get M-Bus Master Disconnect control object 2 0-2:24.4.0.255 (@1890) | |
| (5) .logical_name | PASSED |
| <Data> | |
| <OctetString Value="0002180400FF" /> | |
| </Data> | |
| (6) .output_state | PASSED |
| <Data> | |
| <Boolean Value="01" /> | |
| </Data> | |
| (7) .control_state | PASSED |
| <Data> | |
| <Enum Value="01" /> | |
| </Data> | |
| (8) .control_mode | PASSED |
| <Data> | |
| <Enum Value="00" /> | |
| </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="00" /> | |
| </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 |


```

        <Structure Qty="0005" >
            <Enum Value="01" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0002180400FF" />
            <Integer Value="03" />
            <Enum Value="02" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0004" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="01" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0002180400FF" />
            <Integer Value="03" />
            <Enum Value="01" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0005" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="01" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0003180400FF" />
            <Integer Value="03" />
            <Enum Value="02" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0006" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="01" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0003180400FF" />
            <Integer Value="03" />
            <Enum Value="01" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0007" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="01" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0004180400FF" />
            <Integer Value="03" />
            <Enum Value="02" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0008" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="01" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0004180400FF" />
            <Integer Value="03" />
            <Enum Value="01" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0009" />
    <Array Qty="0001" >
        <Structure Qty="0005" >

```

```

        <Enum Value="02" />
        <LongUnsigned Value="0046" />
        <OctetString Value="0001180400FF" />
        <Integer Value="01" />
        <Integer Value="00" />
    </Structure>
</Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="000A" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="02" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0001180400FF" />
            <Integer Value="02" />
            <Integer Value="00" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="000B" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="02" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0002180400FF" />
            <Integer Value="01" />
            <Integer Value="00" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="000C" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="02" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0002180400FF" />
            <Integer Value="02" />
            <Integer Value="00" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="000D" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="02" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0003180400FF" />
            <Integer Value="01" />
            <Integer Value="00" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="000E" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="02" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0003180400FF" />
            <Integer Value="02" />
            <Integer Value="00" />
        </Structure>
    </Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="000F" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="02" />

```

```

        <LongUnsigned Value="0046" />
        <OctetString Value="0004180400FF" />
        <Integer Value="01" />
        <Integer Value="00" />
    </Structure>
</Array>
</Structure>
<Structure Qty="0002" >
    <LongUnsigned Value="0010" />
    <Array Qty="0001" >
        <Structure Qty="0005" >
            <Enum Value="02" />
            <LongUnsigned Value="0046" />
            <OctetString Value="0004180400FF" />
            <Integer Value="02" />
            <Integer Value="00" />
        </Structure>
    </Array>
</Structure>
</Array>
</Data>

*****
Test Case 18 : FIT 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 *
*****

//*****
//* CTI LGZ E570_ZMYi4x5CW *
//*
//* FIT #28 *
//* 2018-10-04 *
//*
//*****

// Mandatory 'Manufacturer' structure
// *****
Manufacturer = {
    // Keep the leading '\' to denote a visible-string.
    Name = '\Landis + Gyr'
    // The manufacturer's FLAG id is a part of the DUT system title
    ThreeLettersId = '\LGZ'
}

// Mandatory 'DeviceUnderTest' structure
// *****
DeviceUnderTest = {

    // IDISDeviceType is 101 or 103, it is part of the DUT system title
    //IDISDeviceType = 100 //mono
    IDISDeviceType = 103 //tri

    // IDISFunctionType indicates the extension(s) supported by the DUT,
    // it is also a part of the DUT system title.
    // It is a set (possibly empty) of elements
    // Extension_D, Extension_L and Extension_M

```

```

IDISFunctionType = [Extension_D, Extension_L, Extension_M]

// The serial number of the DUT is part of its system title.
SerialNr = 43649512
Type = '\Landis+Gyr E570 S2 ZxY4xxCQ...S2 (G3 PC)' // Release V83.05.05
// EUI64Address (mandatory for G3-PLC profile)
EUI64Address = "000F93FFFE000001"
DataLinkLayer = G3
IPVersion = IPv6 // one of IPv4, IPv6

ConsumerInformationPush = TRUE // TRUE or FALSE
}

// Optional ''TestOptions''
TestOptions = {
  DUTTelNr = '\+41765765477'
  DUTIPAddress = "\195.141.185.113"
}

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

// Mandatory ''ObjectMode'' structure
// *****
// It defines the variant of the object model that the iCTT uses for testing.
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 (@205)
+ '1-0:9.8.0.255|3,' // Apparent energy import (+VA) (QI+QIV) (@406)
+ '1-0:10.8.0.255|3,' // Apparent energy export (-VA) (QII+QIII) (@412)
+ '1-0:5.8.1.255|3,' // Reactive energy (QI) rate 1 (@515)
+ '1-0:5.8.2.255|3,' // Reactive energy (QI) rate 2 (@521)
+ '1-0:5.8.3.255|3,' // Reactive energy (QI) rate 3 (@527)
+ '1-0:5.8.4.255|3,' // Reactive energy (QI) rate 4 (@533)
+ '1-0:6.8.1.255|3,' // Reactive energy (QII) rate 1 (@539)
+ '1-0:6.8.2.255|3,' // Reactive energy (QII) rate 2 (@545)
+ '1-0:6.8.3.255|3,' // Reactive energy (QII) rate 3 (@551)
+ '1-0:6.8.4.255|3,' // Reactive energy (QII) rate 4 (@557)
+ '1-0:7.8.1.255|3,' // Reactive energy (QIII) rate 1 (@563)
+ '1-0:7.8.2.255|3,' // Reactive energy (QIII) rate 2 (@569)
+ '1-0:7.8.3.255|3,' // Reactive energy (QIII) rate 3 (@575)
+ '1-0:7.8.4.255|3,' // Reactive energy (QIII) rate 4 (@581)
+ '1-0:8.8.1.255|3,' // Reactive energy (QIV) rate 1 (@587)
+ '1-0:8.8.2.255|3,' // Reactive energy (QIV) rate 2 (@593)
+ '1-0:8.8.3.255|3,' // Reactive energy (QIV) rate 3 (@599)
+ '1-0:8.8.4.255|3,' // Reactive energy (QIV) rate 4 (@605)
+ '1-0:9.4.0.255|5,' // Demand Register 5 - Apparent energy import (+VA) (@736)
+ '1-0:10.4.0.255|5,' // Demand Register 6 - Apparent energy export (-VA) (@749)
+ '1-0:14.7.0.255|3,' // Instantaneous net frequency; any phase (@1359)
+ '1-0:9.7.0.255|3,' // Instantaneous apparent import power (+VA) (@1395)
+ '1-0:16.24.0.255|5,' // Average Net Power (|+A|-|A|) (@1420)
//+ '1-0:13.7.0.255|3,' // Instantaneous Power factor (+A/+VA) (@1446)
+ '1-0:13.5.0.255|4,' // Last Average Power factor (+A/+VA) (@1452)
+ '1-0:13.3.0.255|4,' // Minimum Power factor (+A/+VA) (@1460)
+ '1-0:0.8.2.255|3' // Measurement Period 3 for Instantaneous values (@1468)
//+ '0-0:26.6.0.255|56' // S-FSK Reporting system list (@1978)

InstanceExtraInfo = {
  // Tariffication script table (@129)
  LogicalName = '0-0:10.0.100.255'
  ClassId = 9
  MethodExtraInfo = {

```

```

        // execute
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // Disconnecter Control Log (@181)
    LogicalName = '0-0:99.98.2.255'
    ClassId = 7
    AttributeExtraInfo = {
        // capture_objects
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Load Mgmt - Relay control 1 (@197)
    LogicalName = '0-1:96.3.10.255'
    ClassId = 70
    AttributeExtraInfo = {
        // control_mode
        AttributeId = 4
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Load Mgmt - Relay control 2 (@205)
    LogicalName = '0-2:96.3.10.255'
    ClassId = 70
    AttributeExtraInfo = {
        // control_mode
        AttributeId = 4
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Limiter (@213)
    LogicalName = '0-0:17.0.0.255'
    ClassId = 71
    AttributeExtraInfo = {
        // actions
        AttributeId = 11
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Standard Event Log (@261)
    LogicalName = '0-0:99.98.0.255'
    ClassId = 7
    AttributeExtraInfo = {
        // capture_objects
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

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

```

```

}
InstanceExtraInfo = {
  // Push scheduler channel (@351)
  LogicalName = '0-4:15.0.4.255'
  ClassId = 22
  AttributeExtraInfo = {
    // executed script
    AttributeId = 2
    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 = {
  // Fraud Detection Log (@276)
  LogicalName = '0-0:99.98.1.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Power Failure Event Log (@1234)
  LogicalName = '1-0:99.97.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Power Quality Log (@1249)
  LogicalName = '0-0:99.98.4.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 1, instance 1 (@1571)
  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 (@1579)
  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 (@1587)
  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 (@1595)
  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 (@1603)
  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 (@1611)
  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 (@1619)
    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 (@1627)
    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 (@1635)
    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 (@1643)
    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 (@1651)

```



```

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 (@1659)
  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 (@1667)
  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 (@1675)
  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 (@1683)
  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 (@1691)
    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 Master Control log object 1 (@1850)
    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 (@1861)
    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 (@1872)
    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 (@1883)
    LogicalName = '0-4:24.5.0.255'
    ClassId = 7
    AttributeExtraInfo = {
        // capture_objects
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // M-Bus Event Log (@1898)
    LogicalName = '0-0:99.98.3.255'
    ClassId = 7
    AttributeExtraInfo = {
        // capture_objects
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

```

```

    }
}

InstanceExtraInfo = {
// IPv6 setup (@2047)
LogicalName = '0-0:25.7.0.255'
ClassId = 48

    MethodExtraInfo = {
// add IPv6 address
MethodId = 1
AccessRights = [ACTION]
    }
    MethodExtraInfo = {
// remove IPv6 address
MethodId = 2
AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
// Push scheduler channel 1 (@2144)
LogicalName = '0-1:15.0.4.255'
ClassId = 22
    AttributeExtraInfo = {
// executed script
AttributeId = 2
AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
// Push scheduler channel 2 (@2150)
LogicalName = '0-2:15.0.4.255'
ClassId = 22
    AttributeExtraInfo = {
// executed script
AttributeId = 2
AccessRights = [GET,SET]
    }
}

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

InstanceExtraInfo = {
// Auto connect (@2163)
LogicalName = '0-0:2.1.0.255'
ClassId = 29
    AttributeExtraInfo = {
// destination list
AttributeId = 6
AccessRights = [GET,SET]
    }
}
(*
InstanceExtraInfo = {
// S-FSK MAC counters (@1962)
LogicalName = '0-0:26.3.0.255'
ClassId = 53
    AttributeExtraInfo = {
// repetitions counter
AttributeId = 5
AccessRights = [GET,SET]
    }
}

```

```

AttributeExtraInfo = {
    // transmissions_counter
    AttributeId = 6
    AccessRights = [GET,SET]
}
AttributeExtraInfo = {
    // CRC_OK_frames_counter
    AttributeId = 7
    AccessRights = [GET,SET]
}
AttributeExtraInfo = {
    // CRC_NOK_frames_counter
    AttributeId = 8
    AccessRights = [GET,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 = {
    // Set value for Error register value
    LogicalName = '0-0:97.97.0.255'
    ClassId = 1
    AttributeExtraInfo = {
        AttributeId = 2
        SetData = '\<Data><DoubleLongUnsigned Value="00000000" /></Data>'
    }
}

InstanceExtraInfo = {
    // Set value for Push Setup - Interval 1
    LogicalName = '0-1:25.9.0.255'
    ClassId = 40
    AttributeExtraInfo = {
        AttributeId = 6
        SetData = '\<Data><Unsigned Value="06" /></Data>'
    }
}

InstanceExtraInfo = {
    // Set clock
    LogicalName = '0-0:1.0.0.255'
    ClassId = 8
    AttributeExtraInfo = {
        AttributeId = 2
        SetData = '\<Data><OctetString Value="07E20A04040B0000FF8000FF" /></Data>'
    }
}

InstanceExtraInfo = {
    // G3-PLC MAC Setup (1277)
    LogicalName = '0-0:29.1.0.255'
    ClassId = 91
    AttributeExtraInfo = {
        //mac key table
        AttributeId = 5
        SetData = '\<Data>
+'      <Array Qty="01" >'
+'      <Structure Qty="02" >'
+'          <Unsigned Value="00" />'
+'          <OctetString Value="112233445566778899AABCCDDEEFF" />'
+'      </Structure>'

```

```

+'          </Array>'
+'          </Data>'

    }

    }

InstanceExtraInfo = {
  LogicalName = '0-0:40.0.0.255' ClassId = 15
  Version = 2
}
InstanceExtraInfo = {
  LogicalName = '0-0:40.0.1.255' ClassId = 15
  Version = 2
}
InstanceExtraInfo = {
  LogicalName = '0-0:40.0.2.255' ClassId = 12
  Version = 3
}

InstanceExtraInfo = {
  LogicalName = '0-1:24.1.0.255' ClassId = 72
  Version = 1
}

InstanceExtraInfo = {
  LogicalName = '0-2:24.1.0.255' ClassId = 72
  Version = 1
}

InstanceExtraInfo = {
  LogicalName = '0-3:24.1.0.255' ClassId = 72
  Version = 1
}

InstanceExtraInfo = {
  LogicalName = '0-4:24.1.0.255' ClassId = 72
  Version = 1
}

InstanceExtraInfo = {
  // Set special days to 30 entries
  LogicalName = '0-0:11.0.0.255'
  ClassId = 11
  AttributeExtraInfo = {
    AttributeId = 2
    SetData = '\<Data>'
+'      <Array Qty="1E" >'
+'        <Structure Qty="03" >'
+'          <LongUnsigned Value="0001" />'
+'          <OctetString Value="FFFF0101FF" />'
+'          <Unsigned Value="02" />'
+'        </Structure>'
+'        <Structure Qty="03" >'
+'          <LongUnsigned Value="0001" />'
+'          <OctetString Value="FFFF0102FF" />'
+'          <Unsigned Value="02" />'
+'        </Structure>'
+'        <Structure Qty="03" >'
+'          <LongUnsigned Value="0001" />'
+'          <OctetString Value="FFFF0103FF" />'
+'          <Unsigned Value="02" />'
+'        </Structure>'
+'        <Structure Qty="03" >'
+'          <LongUnsigned Value="0001" />'
+'          <OctetString Value="FFFF0104FF" />'
+'          <Unsigned Value="02" />'
+'        </Structure>'
+'      </Structure Qty="03" >'

```

```

+'          <LongUnsigned Value="0001" />'
+'          <OctetString Value="FFFF0105FF" />'
+'          <Unsigned Value="02" />'
+'        </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0106FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'    <Structure Qty="03" >'
+'      <LongUnsigned Value="0001" />'
+'      <OctetString Value="FFFF0107FF" />'
+'      <Unsigned Value="02" />'
+'    </Structure>'
+'  <Structure Qty="03" >'
+'    <LongUnsigned Value="0001" />'
+'    <OctetString Value="FFFF0108FF" />'
+'    <Unsigned Value="02" />'
+'  </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF0109FF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF010AFF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF0201FF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF0202FF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF0203FF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF0204FF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF0205FF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF0206FF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF0207FF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF0208FF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'
+' <Structure Qty="03" >'
+'   <LongUnsigned Value="0001" />'
+'   <OctetString Value="FFFF0209FF" />'
+'   <Unsigned Value="02" />'
+' </Structure>'

```

```

+'          </Structure>'
+'          <Structure Qty="03" >'
+'            <LongUnsigned Value="0001" />'
+'            <OctetString Value="FFFF020AFF" />'
+'            <Unsigned Value="02" />'
+'          </Structure>'
+'          <Structure Qty="03" >'
+'            <LongUnsigned Value="0001" />'
+'            <OctetString Value="FFFF0301FF" />'
+'            <Unsigned Value="02" />'
+'          </Structure>'
+'          <Structure Qty="03" >'
+'            <LongUnsigned Value="0001" />'
+'            <OctetString Value="FFFF0302FF" />'
+'            <Unsigned Value="02" />'
+'          </Structure>'
+'          <Structure Qty="03" >'
+'            <LongUnsigned Value="0001" />'
+'            <OctetString Value="FFFF0303FF" />'
+'            <Unsigned Value="02" />'
+'          </Structure>'
+'          <Structure Qty="03" >'
+'            <LongUnsigned Value="0001" />'
+'            <OctetString Value="FFFF0304FF" />'
+'            <Unsigned Value="02" />'
+'          </Structure>'
+'          <Structure Qty="03" >'
+'            <LongUnsigned Value="0001" />'
+'            <OctetString Value="FFFF0305FF" />'
+'            <Unsigned Value="02" />'
+'          </Structure>'
+'          <Structure Qty="03" >'
+'            <LongUnsigned Value="0001" />'
+'            <OctetString Value="FFFF0306FF" />'
+'            <Unsigned Value="02" />'
+'          </Structure>'
+'          <Structure Qty="03" >'
+'            <LongUnsigned Value="0001" />'
+'            <OctetString Value="FFFF0307FF" />'
+'            <Unsigned Value="02" />'
+'          </Structure>'
+'          <Structure Qty="03" >'
+'            <LongUnsigned Value="0001" />'
+'            <OctetString Value="FFFF0308FF" />'
+'            <Unsigned Value="02" />'
+'          </Structure>'
+'          <Structure Qty="03" >'
+'            <LongUnsigned Value="0001" />'
+'            <OctetString Value="FFFF0309FF" />'
+'            <Unsigned Value="02" />'
+'          </Structure>'
+'          <Structure Qty="03" >'
+'            <LongUnsigned Value="0001" />'
+'            <OctetString Value="FFFF030AFF" />'
+'            <Unsigned Value="02" />'
+'          </Structure>'
+'        </Array>'
+'      </Data>'
+'    }
+'  }
}

```

```

// Mandatory 'TestParameters' structure
// *****
// Defines miscellaneous values used during the test
TestParameters =
{

```

```

    ConnectDisconnectDelay = 20000 // (Optional) Delay (in ms) after executing the
    DisconnectControl (class 70)

```

```

ClientSystemTitle =
'4C475A67729A09ED'//4C475A67728F3034//'4C475A67729A09ED'//'4C475A67729A09E8'//'4C475A67728F30
34'//'4C475A6770120000' //4C475A677011E0C0' //4C475A677308E0DF' // Client system title

// Structure for the ImageTransfer
ImageTransfer =
{
    ImageIdentifier = '4D46575F6C6567616C00' // Image identifier as passed to the
image_transfer_initiate method
    ImageFileName = '\V83.05.33.05.37_Release.img' // Filename of the image to transfer.
If no filepath is given, then the file is supposed to be in the same directory as the CTI
file
    Timeout = 600000 // Time (in ms) that the iCTT loops reading the image_transfer status
waiting for changes
}

    PushTimeout = 600000 // Push timeout is the time (in ms) awaited by the iCTT for the DUT
to send a DataNotification
    MinInterWPDUFramesDelay = 2000 // (Optional) Minimal Inter WPDU frames delay, is the
minimal delay (in ms) between two WPDU frames
    ProfilePeriodsQty = 6 // (Optional) Profile periods qty is the number of entries created
in the profiles by new profiles tests. Must be larger than 5, defaults to 6 when not
specified
    CaptureDelay = 15000 // (Optional) Capture delay in (ms)
    ClipCallDuration = 20000 // (Optional) Duration (in ms) of the clip call from return of
ATDT to ATH (defaults to 12000)

// (Optional) Some AutoConnect attributes
AutoConnect = {
    Repetitions = 3
    RepetitionDelay = 30
}

// (Optional) Some PushSetup attributes
PushSetup = {
    NumberOfRetries = 2
    RepetitionDelay = 30
}

    WakeUpDelay = 30000 // (optional) Delay (in ms) to wait before performing a wake-up,
default = 10000
    DisconnectToSendSMSDelay = 10000 // (optional) Delay in ms to wait between a disconnection
and the sending of a SMS, default = 0

// (optional) Delay in ms between the reception of a DataNotification and the closing of the
inbound push-connection
// opened by the DUT. By default the value is 0. A value of 0xffffffff means that iCTT2
will NOT close the connection,
// the DUT will have to close the connection itself.
    DataNotificationToDisconnectDelay = 10000
}

// Mandatory 'PLCCConfig' structure
// *****
// The PLCCConfig is set before each test session. The various members are
// defined in the appropriate document. The values defined hereafter are
// the default values
(*PLCCConfig = {
    AddrMAC = 0xC00
    TimeoutNotAddr = 360
    MaxSubFrames = 7
    TimeUpdatePeriod = 0
    BkgTaskEnabled = 1
    BkgMinDelay = 60
    DiscoverTimeSlots = 20
    ResponseProbability = 100
    MaxCredit = 2
    DiscoverPeriod = 0 // was 60, disable periodic discovery
    TransmissionGain = 0
    ReceptionGain = 8
    BaudRate = 1

```



```

InputFrequency = 0
NbComOkDecrCredit = 3
DecrCredit = 1
IncrCredit = 2
MaxRetry = 1 //3
RepeaterCallEnabled = 0
RepeaterCallLevel = 1000
NewBcplTSlotCount = 10
AlarmMngtEnabled = 0 // was 1, Disable alarms
AlarmMngtDelay = 0
AutoDiscoveryPriority = 2
FCTxValue = 100
}
*)

// Mandatory 'SecurityElements'
// *****
// There is one structure per client, each specifies an 'EncryptionKey'
// and a 'Policy'. An encryption key is a visible-string of 32 characters,
// with each pair encoding one byte of a 16 bytes binary key.
// Policy is one of NO_SECURITY, AUTHENTICATION, ENCRYPTION or AUTHENTICATION_AND_ENCRYPTION
// StandardSecurityElements
// Mandatory, used for the standard access (DC and Java API).
// No context name is required. The DC selects the context according
// to the 'Policy' member. If zero, then the DC generates an AARQ with LONG_NAMES context.
// If positive then the DC generates an AARQ with LONG_NAME_WITH_CIPHERING context.

(*
StandardSecurityElements = {
  Public = {
    MechanismName = LOWEST_LEVEL_SECURITY
    Policy = NO_SECURITY
  }

  Management = {
    //MechanismName = HIGH_LEVEL_SECURITY_GMAC//LOW_LEVEL_SECURITY
    //Policy = NO_SECURITY//ENCRYPTION//NO_SECURITY//AUTHENTICATION_AND_ENCRYPTION
    //Password = '\12345678'
    ContextName = LONG_NAMES_WITH_CIPHERING //LONG_NAMES_WITH_CIPHERING//LONG_NAMES
    MechanismName = HIGH_LEVEL_SECURITY_GMAC //HIGH_LEVEL_SECURITY_GMAC//LOW_LEVEL_SECURITY
    Policy = NO_SECURITY
    //ENCRYPTION//NO_SECURITY//AUTHENTICATION//AUTHENTICATION_AND_ENCRYPTION
    Password = '\12345678'
  }
  PreEstablished = {
    Policy = NO_SECURITY //ENCRYPTION//NO_SECURITY
  }
}
*)

(*
// TunnelSecurityElements
// Mandatory, used when making tunneled accesses.
TunnelSecurityElements = {
  Public = {
    ContextName = LONG_NAMES
    MechanismName = LOWEST_LEVEL_SECURITY
    Policy = NO_SECURITY
  }
  Management = {
    ContextName = LONG_NAMES_WITH_CIPHERING //LONG_NAMES_WITH_CIPHERING//LONG_NAMES
    MechanismName = HIGH_LEVEL_SECURITY_GMAC //HIGH_LEVEL_SECURITY_GMAC//LOW_LEVEL_SECURITY
    Policy = AUTHENTICATION_AND_ENCRYPTION
    //ENCRYPTION//NO_SECURITY//AUTHENTICATION//AUTHENTICATION_AND_ENCRYPTION
    Password = '\12345678'
  }
  PreEstablished = {
    Policy = NO_SECURITY
    //ENCRYPTION//NO_SECURITY//AUTHENTICATION//AUTHENTICATION_AND_ENCRYPTION
  }
}
*)

```

```

// LocalSecurityElements
// Mandatory, used when making ''local'' accesses.
// LocalSecurityElements
// Mandatory
LocalSecurityElements =
{
    Public =
    {
        ContextName = LONG_NAMES // ContextName: either LONG_NAMES or
LONG_NAMES_WITH_CIPHERING
        MechanismName = LOWEST_LEVEL_SECURITY // MechanismName: either LOWEST_LEVEL_SECURITY,
LOW_LEVEL_SECURITY or HIGH_LEVEL_SECURITY_GMAC
        Policy = NO_SECURITY // Policy: either NO_SECURITY, AUTHENTICATION,
ENCRYPTION or AUTHENTICATION_AND_ENCRYPTION
    }

    Management =
    {
        ContextName = LONG_NAMES_WITH_CIPHERING
        MechanismName = HIGH_LEVEL_SECURITY_GMAC
        Policy = AUTHENTICATION_AND_ENCRYPTION
        Password = '\12345678' // Password: if required by the mechanism name.
    }

    PreEstablished =
    {
        Policy = AUTHENTICATION_AND_ENCRYPTION
        ServerMaxReceivePDUSize = 1280 // ServerMaxReceivePDUSize (integer)
        CipheringStyle = GENERAL // CipheringStyle (enum), GENERAL or SERVICE
    }
}

// RemoteSecurityElements
// Mandatory
RemoteSecurityElements =
{
    Public =
    {
        ContextName = LONG_NAMES
        MechanismName = LOW_LEVEL_SECURITY
        Policy = NO_SECURITY
        Password = '\12345678' // Password: if required by the mechanism name.
    }

    Management =
    {
        ContextName = LONG_NAMES_WITH_CIPHERING // LONG_NAMES or
LONG_NAMES_WITH_CIPHERING
        MechanismName = HIGH_LEVEL_SECURITY_GMAC // LOWEST_LEVEL_SECURITY, LOW_LEVEL_SECURITY
or HIGH_LEVEL_SECURITY_GMAC
        Policy = AUTHENTICATION_AND_ENCRYPTION // NO_SECURITY,
AUTHENTICATION, ENCRYPTION or AUTHENTICATION_AND_ENCRYPTION
        Password = '\12345678'
    }

    PreEstablished =
    {
        Policy = AUTHENTICATION_AND_ENCRYPTION
        ServerMaxReceivePDUSize = 1280
        CipheringStyle = GENERAL //SERVICE //GENERAL
    }
}

// SMS security elements
// Mandatory
SMSSecurityElements = {
    PreEstablished = {
        Policy = NO_SECURITY // AUTHENTICATION_AND_ENCRYPTION ENCRYPTION NO_SECURITY
        ServerMaxReceivePDUSize = 128
    }
}

```

```

    CipherringStyle = GENERAL
  }
}

// Mandatory parameters of the ''Local'' HDLC Profile
HDLCProfile =
{
  PhysicalLayer =
  {
    OpeningMode = DIRECT_HDLC      // or MODE_E
    HdlcBaud = 9600
  }

  DataLinkLayer =
  {
    InactivityTimeout = 120000
    InterFrameTimeout = 350
    ResponseTimeout = 5000
    DISCToNDMTimeout = 2500
    AddressingSchemes = [ONE_BYTE_ADDRESSING,FOUR_BYTES_ADDRESSING] //
ONE_BYTE_ADDRESSING, TWO_BYTES_ADDRESSING, FOUR_BYTES_ADDRESSING
    ServerLowerMACAddress = 9420
  }

  UIFrameDelay = 2000           // (Optional) Delay (ms) after sending an UI frame, default 0 //
2000
  UIFrameLength = 248          // (optional) UI frames info field length, default 128
}

// END CTI_Template

*****
* Miscellaneous *
*****

TestMode:                G3-PLC
Test Plan Signature:     BFC18D5882976F2087BC007B67CDC246
Object Model:            IDIS-S02-002 - object model Pack2 Ed2.0 - V2.28 (20170428)-FIT MBUS
Tests G350 (CorrectedAndValve status)-2017428.xlsx
DUT system title:       4C475A67729A09E8
Run number:              130

```