

# Final Interoperability Test Report

FIT #: **55**  
 Date: 18/05/2021  
 Location: DNV-GL, Arnhem, Netherlands  
 Page 1 of 26

## APPLICANT

Company: Shenzhen Star Instruments Co., Ltd.

Address: 23/F., Coastal Building (West Block), Haide 3rd Road, Nanshan District, Shenzhen, China

| DEVICE                                      |   |  |
|---|---|--|
| Device type                                 | <b>STZ131</b>                           |  |
| <i>Type indication on MID certificate</i>   |   | <i>MID Certificate No.</i>                   |
| STZ131                                      |   | 1531-18                                      |
| <i>IDIS Specification reference</i>         | <i>DNV-gl IDIS Certification run No</i> | <i>Digital signature of the test report.</i> |
| Package 2 ed. 2.0                           | 1418                                    | 15D58C65094479A9DA8CAC0857F4EFCA             |
| <i>First certification</i>                  | <i>IDIS Label</i>                       | <i>Modular device</i>                        |
| <input checked="" type="checkbox"/>         | 0064                                    | <input checked="" type="checkbox"/>          |
| <i>General information about the device</i> |   |  |
|   |   |  |

| FIRMWARE VERSIONS TESTED |              |              |              | <i>Final Interoperability Test No. 57</i> |
|--------------------------|--------------|--------------|--------------|---|
| Firmware No.             | Firmware ID1 | Firmware ID2 | Firmware ID3 | Verdict                                   |
| 1                        | V0104        | V0113        |              | Passed                                    |
|                          |              |              |              |   |

\_\_\_\_\_  
Honeywell

\_\_\_\_\_  
Iskraemeco d.d.

\_\_\_\_\_  
Itron

\_\_\_\_\_  
Landis+Gyr AG

Fit #55

Device: Shenzhen Star STZ131

DNV-GL, Arnhem, Netherlands, 21.05.2021

Page 2 of 26

| FIRMWARE VERSIONS HISTORY |              |              |              | Final Integration Test |         |
|---------------------------|--------------|--------------|--------------|------------------------|---------|
| Firmware No.              | Firmware ID1 | Firmware ID2 | Firmware ID3 | No.                    | Verdict |
| 1                         | V0104        | V0113        |              | 57                     | 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  |        |
| <b>FIT Conformance Test Report</b>  |         |        |
| <pre> ***** IDIS Conformance test report 17-MAY-2021 10:56:26 iCTT2 Package 2, Edition 2.0, Revision 1 (136) Licensed to: KEMA-IDIS Cert. Tester: Tom Levels *****  ***** * Identification * *****  Manufacturer = {   Name = '\Shenzhen Star Instrument Co., Ltd.'   ThreeLettersId = '\STA' } DeviceUnderTest = {   Type = '\DDS26D, Type:STZ131'   IDISDeviceType = 102   IDISFunctionType = [EXTENSION_D, EXTENSION_L]   SerialNr = 21699402   IPVersion = IPV6   DataLinkLayer = G3   ConsumerInformationPush = FALSE   EUI64Address = '000021FFFE699402' }  Active firmware identifier (1-0:0.2.0.255) = \V0104 Active firmware identifier 1 (1-1:0.2.0.255) = \V0113  ***** * Summary * *****  PASSED                66 FAILED                0 DISABLED              0 INAPPLICABLE         207 INCONCLUSIVE         0 FATAL                 0 TOTAL                 273  ***** Test Case 1 : Connect and release, 4 item(s) </pre> |         |        |

|   |        |
|---|--------|
| *****   |        |
| (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="\21699402" />                                     |        |
| </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>   |        |
| *****   |        |
| 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="\STA1020321699402" />
    </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="\STA1020321699402" />
            </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="\V0104" />
    </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="\18502A5E" />
    </Data>

Mngmt Get Active firmware identifier 1 1-1:0.2.0.255 (@420)
(5) .logical_name                                     PASSED
    <Data>
        <OctetString value="0101000200FF" />
    </Data>
(6) .value                                           PASSED
    <Data>
        <OctetString value="\V0113" />
    </Data>

Mngmt Get Active firmware signature 1 1-1:0.2.8.255 (@424)
(7) .logical_name                                     PASSED
    <Data>
        <OctetString value="0101000208FF" />
    </Data>
(8) .value                                           PASSED
    <Data>
        <OctetString value="\A9E1D6CA" />
    </Data>

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

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

```

```

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

Pre Set Clock 0-0:1.0.0.255 (@75)
(1) .time PASSED
  <Data>
  <OctetString Value="07E50511FF0C0000FF8000FF" />
  </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="07E50511010C000100FF8880" />
  </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>
  <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" />
  </Structure>
  </Array>
  </Data>

```

```

    <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>

```

```

    <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>
    <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>
<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 Disconnecter Control Log 0-0:99.98.2.255 (@193)
(1) .logical_name PASSED
  <Data>
  <OctetString Value="0000636202FF" />
  </Data>
(2) .buffer PASSED
  Earliest date: 30-SEP-2020 14:00:30, latest date: 17-MAY-2021 12:25:13
  Middle date: 17-MAY-2021 12:05:00
(3) .entries_in_use PASSED
  <Data>
  <DoubleLongUnsigned Value="0000001F" />
  </Data>
(4) .profile_entries PASSED
  <Data>
  <DoubleLongUnsigned Value="00000064" />
  </Data>

Mngmt Get Standard Event Log 0-0:99.98.0.255 (@301)
(5) .logical_name PASSED
  <Data>
  <OctetString Value="0000636200FF" />
  </Data>
(6) .buffer PASSED
  Earliest date: 17-MAY-2021 10:34:55, latest date: 30-OCT-2022 03:15:12
  Middle date: 30-OCT-2022 02:00:05
(7) .entries_in_use PASSED
  <Data>
  <DoubleLongUnsigned Value="00000064" />
  </Data>
(8) .profile_entries PASSED
  <Data>
  <DoubleLongUnsigned Value="00000064" />
  </Data>

Mngmt Get Fraud Detection Log 0-0:99.98.1.255 (@316)
(9) .logical_name PASSED
  <Data>
  <OctetString Value="0000636201FF" />
  </Data>
(10) .buffer PASSED
  Earliest date: 30-SEP-2020 14:07:58, latest date: 17-MAY-2021 12:01:25
  Middle date: 17-MAY-2021 11:01:24
(11) .entries_in_use PASSED
  <Data>
  <DoubleLongUnsigned Value="0000000E" />
  </Data>
(12) .profile_entries PASSED
  <Data>
  <DoubleLongUnsigned Value="00000064" />
  </Data>

Mngmt Get Communication Log 0-0:99.98.5.255 (@331)
(13) .logical_name PASSED
  <Data>
  <OctetString Value="0000636205FF" />
  </Data>
(14) .buffer PASSED
  Earliest date: 30-SEP-2020 14:00:21, latest date: 17-MAY-2021 12:39:39

```

|   |        |
|---|--------|
| <i>Middle date: 17-MAY-2021 09:44:27</i>  |        |
| (15) .entries_in_use  | PASSED |
| <pre> &lt;Data&gt;   &lt;DoubleLongUnsigned value="0000001B" /&gt; &lt;/Data&gt; </pre>   |        |
| (16) .profile_entries   | PASSED |
| <pre> &lt;Data&gt;   &lt;DoubleLongUnsigned value="00000064" /&gt; &lt;/Data&gt; </pre>   |        |
| <i>Mngmt Get Power Quality Log 0-0:99.98.4.255 (@1340)</i>  |        |
| (17) .logical_name  | PASSED |
| <pre> &lt;Data&gt;   &lt;OctetString value="0000636204FF" /&gt; &lt;/Data&gt; </pre>  |        |
| (18) .buffer  | PASSED |
| <pre> Earliest date: 30-SEP-2020 14:11:58, latest date: 30-SEP-2020 14:32:58 Middle date: 30-SEP-2020 14:22:58 </pre>   |        |
| (19) .entries_in_use  | PASSED |
| <pre> &lt;Data&gt;   &lt;DoubleLongUnsigned value="00000006" /&gt; &lt;/Data&gt; </pre>   |        |
| (20) .profile_entries   | PASSED |
| <pre> &lt;Data&gt;   &lt;DoubleLongUnsigned value="000000c8" /&gt; &lt;/Data&gt; </pre>   |        |
| <pre> ***** Test Case 11 : Reading Data of Billing Period 1, 8 item(s) ***** </pre>   |        |
| <i>Mngmt Get Data of billing period 1 0-0:98.1.0.255 (@158)</i>   |        |
| (1) .logical_name   | PASSED |
| <pre> &lt;Data&gt;   &lt;OctetString value="0000620100FF" /&gt; &lt;/Data&gt; </pre>  |        |
| (2) .buffer   | PASSED |
| <pre> Earliest date: 01-OCT-2020 00:00:00, latest date: 01-NOV-2022 00:00:00 Middle date: 01-APR-2021 00:00:00 </pre>   |        |
| (3) .capture_objects  | PASSED |
| <pre> &lt;Data&gt;   &lt;Array Qty="0005" &gt;     &lt;Structure Qty="0004" &gt;       &lt;LongUnsigned value="0008" /&gt;       &lt;OctetString value="0000010000FF" /&gt;       &lt;Integer value="02" /&gt;       &lt;LongUnsigned value="0000" /&gt;     &lt;/Structure&gt;     &lt;Structure Qty="0004" &gt;       &lt;LongUnsigned value="0003" /&gt;       &lt;OctetString value="0100010801FF" /&gt;       &lt;Integer value="02" /&gt;       &lt;LongUnsigned value="0000" /&gt;     &lt;/Structure&gt;     &lt;Structure Qty="0004" &gt;       &lt;LongUnsigned value="0003" /&gt;       &lt;OctetString value="0100010802FF" /&gt;       &lt;Integer value="02" /&gt;       &lt;LongUnsigned value="0000" /&gt;     &lt;/Structure&gt;     &lt;Structure Qty="0004" &gt;       &lt;LongUnsigned value="0003" /&gt;       &lt;OctetString value="0100020801FF" /&gt;       &lt;Integer value="02" /&gt;       &lt;LongUnsigned value="0000" /&gt;     &lt;/Structure&gt;     &lt;Structure Qty="0004" &gt;       &lt;LongUnsigned value="0003" /&gt;       &lt;OctetString value="0100020802FF" /&gt;       &lt;Integer value="02" /&gt;       &lt;LongUnsigned value="0000" /&gt;     &lt;/Structure&gt;   &lt;/Array&gt; &lt;/Data&gt; </pre> |        |
| (4) .capture_period   | PASSED |
| <pre> &lt;Data&gt;   &lt;DoubleLongUnsigned value="00000000" /&gt; &lt;/Data&gt; </pre>   |        |
| (5) .sort_method  | PASSED |
| <pre> &lt;Data&gt;   &lt;Enum value="01" /&gt; </pre>   |        |

```

</Data>
(6) .sort_object PASSED
  <Data>
    <Structure Qty="0004" >
      <LongUnsigned value="0000" />
      <OctetString value="000000000000" />
      <Integer value="00" />
      <LongUnsigned value="0000" />
    </Structure>
  </Data>
(7) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned value="0000000b" />
  </Data>
(8) .profile_entries PASSED
  <Data>
    <DoubleLongUnsigned value="0000000b" />
  </Data>

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

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

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

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

Mngmt Get M-Bus client channel 2 0-2:24.1.0.255 (@1596)
(17) .logical_name
INAPPLICABLE
  object is not required according to OM and/or extensions

```

```

(18) .mbus_port_reference
INAPPLICABLE
    object is not required according to OM and/or extensions
(19) .capture_definition
INAPPLICABLE
    object is not required according to OM and/or extensions
(20) .capture_period
INAPPLICABLE
    object is not required according to OM and/or extensions
(21) .primary_address
INAPPLICABLE
    object is not required according to OM and/or extensions
(22) .identification_number
INAPPLICABLE
    object is not required according to OM and/or extensions
(23) .manufacturer_id
INAPPLICABLE
    object is not required according to OM and/or extensions
(24) .version
INAPPLICABLE
    object is not required according to OM and/or extensions
(25) .device_type
INAPPLICABLE
    object is not required according to OM and/or extensions
(26) .access_number
INAPPLICABLE
    object is not required according to OM and/or extensions
(27) .status
INAPPLICABLE
    object is not required according to OM and/or extensions
(28) .alarm
INAPPLICABLE
    object is not required according to OM and/or extensions

Mngmt Get M-Bus client channel 3 0-3:24.1.0.255 (@1618)
(29) .logical_name
INAPPLICABLE
    object is not required according to OM and/or extensions
(30) .mbus_port_reference
INAPPLICABLE
    object is not required according to OM and/or extensions
(31) .capture_definition
INAPPLICABLE
    object is not required according to OM and/or extensions
(32) .capture_period
INAPPLICABLE
    object is not required according to OM and/or extensions
(33) .primary_address
INAPPLICABLE
    object is not required according to OM and/or extensions
(34) .identification_number
INAPPLICABLE
    object is not required according to OM and/or extensions
(35) .manufacturer_id
INAPPLICABLE
    object is not required according to OM and/or extensions
(36) .version
INAPPLICABLE
    object is not required according to OM and/or extensions
(37) .device_type
INAPPLICABLE
    object is not required according to OM and/or extensions
(38) .access_number
INAPPLICABLE
    object is not required according to OM and/or extensions
(39) .status
INAPPLICABLE
    object is not required according to OM and/or extensions
(40) .alarm
INAPPLICABLE
    object is not required according to OM and/or extensions

Mngmt Get M-Bus client channel 4 0-4:24.1.0.255 (@1640)
(41) .logical_name
INAPPLICABLE
    object is not required according to OM and/or extensions
(42) .mbus_port_reference
INAPPLICABLE
    object is not required according to OM and/or extensions
(43) .capture_definition
INAPPLICABLE

```

```

    Object is not required according to OM and/or extensions
    (44) .capture_period
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (45) .primary_address
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (46) .identification_number
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (47) .manufacturer_id
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (48) .version
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (49) .device_type
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (50) .access_number
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (51) .status
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (52) .alarm
INAPPLICABLE
    Object is not required according to OM and/or extensions

```

```

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

```

```

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

```

```

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

```

```

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

```

```

(15) .capture_time
INAPPLICABLE
    object is not required according to OM and/or extensions

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

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

Mngmt Get M-Bus Value channel 3, instance 2 0-3:24.2.2.255 (@1734)
(26) .logical_name
INAPPLICABLE
    object is not required according to OM and/or extensions
(27) .value
INAPPLICABLE
    object is not required according to OM and/or extensions
(28) .scaler_unit
INAPPLICABLE
    object is not required according to OM and/or extensions
(29) .status
INAPPLICABLE
    object is not required according to OM and/or extensions
(30) .capture_time
INAPPLICABLE
    object is not required according to OM and/or extensions

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

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

```

Object is not required according to OM and/or extensions  
 (39) .status  
 INAPPLICABLE  
 Object is not required according to OM and/or extensions  
 (40) .capture\_time  
 INAPPLICABLE  
 Object is not required according to OM and/or extensions

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

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

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

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

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

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

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

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

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

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

Mngmt Get M-Bus Master Load profile for channel 1 0-1:24.3.0.255 (@1838)



```

(1) .logical_name
INAPPLICABLE
    object is not required according to OM and/or extensions
(2) .buffer
INAPPLICABLE
    object is not required according to OM and/or extensions
(3) .capture_objects
INAPPLICABLE
    object is not required according to OM and/or extensions
(4) .capture_period
INAPPLICABLE
    object is not required according to OM and/or extensions
(5) .sort_method
INAPPLICABLE
    object is not required according to OM and/or extensions
(6) .sort_object
INAPPLICABLE
    object is not required according to OM and/or extensions
(7) .entries_in_use
INAPPLICABLE
    object is not required according to OM and/or extensions
(8) .profile_entries
INAPPLICABLE
    object is not required according to OM and/or extensions

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

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

Mngmt Get M-Bus Master Load profile for channel 4 0-4:24.3.0.255 (@1871)
(25) .logical_name
INAPPLICABLE
    object is not required according to OM and/or extensions

```

```

(26) .buffer
INAPPLICABLE
  object is not required according to OM and/or extensions
(27) .capture_objects
INAPPLICABLE
  object is not required according to OM and/or extensions
(28) .capture_period
INAPPLICABLE
  object is not required according to OM and/or extensions
(29) .sort_method
INAPPLICABLE
  object is not required according to OM and/or extensions
(30) .sort_object
INAPPLICABLE
  object is not required according to OM and/or extensions
(31) .entries_in_use
INAPPLICABLE
  object is not required according to OM and/or extensions
(32) .profile_entries
INAPPLICABLE
  object is not required according to OM and/or extensions

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

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

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

Mngmt Get M-Bus Master Control log object 3 0-3:24.5.0.255 (@1963)
(17) .logical_name
INAPPLICABLE

```

```

    Object is not required according to OM and/or extensions
    (18) .buffer
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (19) .capture_objects
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (20) .capture_period
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (21) .sort_method
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (22) .sort_object
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (23) .entries_in_use
INAPPLICABLE
    Object is not required according to OM and/or extensions
    (24) .profile_entries
INAPPLICABLE
    Object is not required according to OM and/or extensions

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

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

```

```

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

```

```

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

```

```

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

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

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

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

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

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

```

```

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

```

(1) Push on installation

PASSED

```

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

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

// Mandatory ''Manufacturer'' structure
// *****
Manufacturer =
{
  Name = '\Shenzhen Star Instrument Co., Ltd.'
  ThreeLettersId = '\STA'
}

// Mandatory ''DeviceUnderTest'' structure
// *****
DeviceUnderTest =
{
  Type = '\DDS26D, Type:STZ131'
  IDISDeviceType = 102
  IDISFunctionType = [Extension_D, Extension_L]
  SerialNr = 21699402
  IPVersion = IPV6
  DataLinkLayer = G3
  ConsumerInformationPush = FALSE
  EUI64Address = "000021FFFE699402"
}

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

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

ObjectModel =
{
  OptionalObjects = '\
+ '1-1:0.2.0.255|1,' // Active firmware identifier 1 (@420)
+ '1-1:0.2.8.255|1' // Active firmware signature 1 (@424)

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

    AttributeExtraInfo =
    {
      AttributeId = 5
      SetData = '\ ' +
      '<Data>' +
      ' <Array Qty = "01">' +
      ' <Structure Qty = "02">' +
      ' <Unsigned Value = "01" />' +
      ' <OctetString Value = "5354410102030405060708090A0B0C0D"/>' +
      ' </Structure>' +
      ' </Array>' +
      ' </Data>'

      // If an access right is specified as optional in the object model like
      // (Get) or (Set), then the effective access right must be specified as
      // a set (possibly empty) of elements GET, SET and ACTION
    }
  }
}

```

PASSED

PASSED  
PASSED  
PASSED  
PASSED

```

        //
        }
        AccessRights = [SET]
    }
}

// needed for conformance test.
InstanceExtraInfo = {
    // Set value for Consumer Message Text
    LogicalName = '0-0:96.13.0.255'
    ClassId = 1
    AttributeExtraInfo = {
        AttributeId = 2
        SetData = '\<Data><OctetString value="3132333435363738" /></Data>'
    }
}

InstanceExtraInfo = {
    LogicalName = '0-0:1.0.0.255'
    ClassId = 8
    AttributeExtraInfo = {
        AttributeId = 2
        SetData = '\<Data><OctetString value="07E50511FF0C0000FF8000FF" /></Data>' // yyyy mm
dd dow hh mm ss
    }
}

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

```



```

+'      <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 = 5000
  ClientSystemTitle = '58585A0102030405'

  ImageTransfer =
  {
    ImageIdentifier = '\V0104-UPG'
    ImageFileName = '\V0104-UPG.img'
    Timeout = 120000
  }

  PushTimeout = 60000
  MinInterWPDUFramesDelay = 300
  ProfilePeriodsQty = 6
  CaptureDelay = 10000
}

```

```

// Mandatory 'SecurityElements'
// *****
// LocalSecurityElements
// Mandatory, used for the 'local' mode.
LocalSecurityElements =

```

```

{
  Public =
  {
    ContextName = LONG_NAMES
    MechanismName = LOWEST_LEVEL_SECURITY
    Policy = NO_SECURITY
  }

  Management =
  {
    ContextName = LONG_NAMES_WITH_CIPHERING
    MechanismName = HIGH_LEVEL_SECURITY_GMAC
    Policy = AUTHENTICATION_AND_ENCRYPTION
    CipheringStyle = GENERAL
  }

  PreEstablished =
  {
    Policy = NO_SECURITY
    ServerMaxReceivePDUSize = 1070
    CipheringStyle = GENERAL
  }
}

```



```

}
}
// RemoteSecurityElements
// Mandatory
RemoteSecurityElements =
{
    Public =
    {
        ContextName = LONG_NAMES
        MechanismName = LOWEST_LEVEL_SECURITY
        Policy = NO_SECURITY
    }

    Management =
    {
        ContextName = LONG_NAMES_WITH_CIPHERING
        MechanismName = HIGH_LEVEL_SECURITY_GMAC
        Policy = AUTHENTICATION_AND_ENCRYPTION
        CipheringStyle = GENERAL
    }

    PreEstablished = {
        Policy = AUTHENTICATION_AND_ENCRYPTION
        ServerMaxReceivePduSize = 1224
        CipheringStyle = GENERAL
    }
}

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

    DataLinkLayer =
    {
        InactivityTimeout = 180000
        InterFrameTimeout = 100
        ResponseTimeout = 1000
        DISCTONDMTimeout = 2000
        AddressingSchemes = [FOUR_BYTES_ADDRESSING] // TWO_BYTES_ADDRESSING, FOUR_BYTES_ADDRESSING
        ServerLowerMACAddress = 0x10
    }
}

// Mandatory parameters of the 'Remote' TCP Profile
TCPProfile =
{
    ServerTCPPort = 4059
    ResponseTimeout = 30000
    ConnectTimeout = 10000
    DisconnectToConnectDelay = 5000
}

// Mandatory parameters of the 'Remote' G3-PLC profile
G3PLCProfile = {
    FrequencyBand = FCC
    ResponseTimeout = 30000
    UDPPort = 61616
    ConnectTimeout = 30000
    PSK = "7FFE8001000000000000000000000000"
}

// END CTI_Template
*****
* Miscellaneous *
*****

TestMode:                G3-PLC
Test Plan Signature:     BFC18D5882976F2087BC007B67CDC246
Object Model:           IDIS-S02-002 - object model Pack2 Ed2.0 - v2.29 (20200831)-FIT MBUS
Tests G350 (CorrectedAndValve status).x15x
DUT system title:       53544166314B1B4A
Run number:              1418

```

Fit #55

Device: Shenzhen Star STZ131

DNV-GL, Arnhem, Netherlands, 21.05.2021

Page 26 of 26

