

Final Interoperability Test Report

FIT #: **20**
 Date: 06.04.2017
 Location: DNV-GL, Arnhem, Netherlands
 Page 1 of 52

APPLICANT

Company: MIKROELEKTRONIKA CAJAVEC AD
 Address: BLAGOJA PAROVICA BB, 78000 BANJA LUKA BA, Bosnia and Herzegovina

DEVICE		
Device type	MET500	
<i>Type indication on MID certificate</i>		<i>MID Certificate No.</i>
MET500		BA F-6-1107 (National approval)
<i>IDIS Specification reference</i>	<i>KEMA IDIS Certification run No</i>	<i>Digital signature of the test report.</i>
Package 1 ed. 1.1	116	C655A60753E371348622C01B0F7EC6D1
<i>First certification</i>	<i>IDIS Label</i>	<i>Modular device</i>
<input checked="" type="checkbox"/>	0019	<input type="checkbox"/>
<i>General information about the device</i>		

FIRMWARE VERSIONS TESTED				<i>Final Interoperability Test No. 20</i>
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	Verdict
1	V030508.19			

 Honeywell/Elster GmbH

 Iskraemeco d.d.

 Itron

 Landis+Gyr AG

FIRMWARE VERSIONS HISTORY				<i>Final Integration Test</i>	
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	No.	Verdict
1	V300508.19			20	PASSED

TEST REPORT - Firmware No. 3		
Test	Verdict	Remark
Meter discovery and registering	Passed	
M-Bus device discovery [Extension M]	Passed	
S-FSK related data	Passed	
All Device ID's	Passed	
SAP assignment	Passed	
COSEM logical device name	Passed	
FW version and signature	Passed	
Broadcast Date and time	Passed	
Broadcast Special Days Table	Passed	
Event logs	Passed	
Billing period data	Passed	
Optical Port Connectivity	Passed	
Alarm Reporting	Passed	
FIT Conformance Test Report		
<pre> ***** IDIS Conformance test report 06-APR-2017 11:29:06 iCTT1 Package 1, Edition 1.1, Revision 1 (210) Licensed to: KEMA-IDIS Cert. Tester: DNV GL ***** ***** * Identification * ***** Manufacturer = { Name = 'Mikroelektronika' ThreeLettersId = 'MEL' } DeviceUnderTest = { IDISDeviceType = 101 IDISFunctionType = [EXTENSION_D, EXTENSION_L, EXTENSION_M] SerialNr = 12000017 Type = 'MET500' } Active firmware version (1-0:0.2.0.255) = \V030508.19 ***** * Summary * ***** PASSED 230 FAILED 0 DISABLED 0 INAPPLICABLE 12 INCONCLUSIVE 0 FATAL 0 TOTAL 242 ***** Test Case 1 : Discovery, 1 item(s) ***** (1) Meter Discovery PASSED ***** Test Case 2 : Connect and release, 4 item(s) ***** (1) Connect Public PASSED (2) Release Public PASSED (3) Connect Management PASSED (4) Release Management PASSED ***** Test Case 3 : Read S-FSK settings, 35 item(s) ***** Mngmt Get S-FSK Phy&MAC setup 0-0:26.0.0.255 (@1933) (1) .logical_name PASSED <Data> <OctetString Value="00001A0000FF" /> </Data> (2) .initiator electrical phase PASSED </pre>		

```

<Data>
  <Enum Value="03" />
</Data>
(3) .delta_electrical_phase PASSED
  <Data>
    <Enum Value="01" />
  </Data>
(4) .max_receiving_gain PASSED
  <Data>
    <Unsigned Value="2A" />
  </Data>
(5) .max_transmitting_gain PASSED
  <Data>
    <Unsigned Value="00" />
  </Data>
(6) .search_initiator_gain PASSED
  <Data>
    <Unsigned Value="62" />
  </Data>
(7) .frequencies PASSED
  <Data>
    <Structure Qty="0002" >
      <DoubleLongUnsigned Value="0000F744" />
      <DoubleLongUnsigned Value="00012110" />
    </Structure>
  </Data>
(8) .mac_address PASSED
  <Data>
    <LongUnsigned Value="0011" />
  </Data>
(9) .mac_group_addresses PASSED
  <Data>
    <Array Qty="0005" >
      <LongUnsigned Value="0000" />
      <LongUnsigned Value="0000" />
      <LongUnsigned Value="0000" />
      <LongUnsigned Value="0000" />
      <LongUnsigned Value="0000" />
    </Array>
  </Data>
(10) .repeater PASSED
  <Data>
    <Enum Value="02" />
  </Data>
(11) .repeater_status PASSED
  <Data>
    <Bool Value="00" />
  </Data>
(12) .min_delta_credit PASSED
  <Data>
    <Unsigned Value="00" />
  </Data>
(13) .initiator_mac_address PASSED
  <Data>
    <LongUnsigned Value="0C00" />
  </Data>
(14) .synchronization_locked PASSED
  <Data>
    <Bool Value="01" />
  </Data>
(15) .transmission_speed PASSED
  <Data>
    <Enum Value="03" />
  </Data>

Mngmt Get S-FSK Active Initiator 0-0:26.1.0.255 (@1950)
(16) .logical_name PASSED
  <Data>
    <OctetString Value="00001A0100FF" />
  </Data>
(17) .active_initiator PASSED
  <Data>
    <Structure Qty="0003" >
      <OctetString Value="4C475A1169000000" />
      <LongUnsigned Value="0C00" />
      <Unsigned Value="01" />
    </Structure>
  </Data>

Mngmt Get S-FSK MAC synchronisation timeouts 0-0:26.2.0.255 (@1955)
(18) .logical_name PASSED
  <Data>
    <OctetString Value="00001A0200FF" />
  </Data>
(19) .search_initiator_timeout PASSED
  <Data>
    <LongUnsigned Value="0000" />
  </Data>
(20) .synchronization_confirmation_timeout PASSED
  <Data>

```

```

        <LongUnsigned Value="0005" />
    </Data>
(21) .timeout_not_addressed PASSED
    <Data>
        <LongUnsigned Value="0168" />
    </Data>
(22) .timeout_frame_not_OK PASSED
    <Data>
        <LongUnsigned Value="001E" />
    </Data>
Mngmt Get S-FSK MAC counters 0-0:26.3.0.255 (@1962)
(23) .logical_name PASSED
    <Data>
        <OctetString Value="00001A0300FF" />
    </Data>
(24) .synchronization_register PASSED
    <Data>
        <Array Qty="0001" >
            <Structure Qty="0002" >
                <LongUnsigned Value="0C00" />
                <DoubleLongUnsigned Value="00000012" />
            </Structure>
        </Array>
    </Data>
(25) .desynchronization_listing PASSED
    <Data>
        <Structure Qty="0005" >
            <DoubleLongUnsigned Value="00000002" />
            <DoubleLongUnsigned Value="00000000" />
            <DoubleLongUnsigned Value="00000011" />
            <DoubleLongUnsigned Value="00000000" />
            <DoubleLongUnsigned Value="00000000" />
        </Structure>
    </Data>
(26) .broadcast_frames_counter PASSED
    <Data>
        <Array Qty="0003" >
            <Structure Qty="0002" >
                <LongUnsigned Value="0C00" />
                <DoubleLongUnsigned Value="0000000E" />
            </Structure>
            <Structure Qty="0002" >
                <LongUnsigned Value="000F" />
                <DoubleLongUnsigned Value="00000006" />
            </Structure>
            <Structure Qty="0002" >
                <LongUnsigned Value="0007" />
                <DoubleLongUnsigned Value="00000005" />
            </Structure>
        </Array>
    </Data>
(27) .repetitions_counter PASSED
    <Data>
        <DoubleLongUnsigned Value="00000000" />
    </Data>
(28) .transmissions_counter PASSED
    <Data>
        <DoubleLongUnsigned Value="00001FA" />
    </Data>
(29) .CRC_OK_frames_counter PASSED
    <Data>
        <DoubleLongUnsigned Value="00000D0B" />
    </Data>
(30) .CRC_NOK_frames_counter PASSED
    <Data>
        <DoubleLongUnsigned Value="00000020" />
    </Data>
Mngmt Get S-FSK IEC 61334-4-32 LLC Setup 0-0:26.5.0.255 (@1973)
(31) .logical_name PASSED
    <Data>
        <OctetString Value="00001A0500FF" />
    </Data>
(32) .max_frame_length PASSED
    <Data>
        <Unsigned Value="F2" />
    </Data>
(33) .reply_status_list PASSED
    <Data>
        <Array Qty="0001" >
            <Structure Qty="0002" >
                <Unsigned Value="00" />
                <Unsigned Value="07" />
            </Structure>
        </Array>
    </Data>
Mngmt Get S-FSK Reporting system list 0-0:26.6.0.255 (@1978)
(34) .logical_name INAPPLICABLE

```

Optional object is not implemented (35) .reporting_system_list Optional object is not implemented	INAPPLICABLE
***** Test Case 4 : Read Device ID's, 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="\12000017" />	
</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="\MET500R0" />	
</Data>	
Mngmt Get Device ID 3 0-0:96.1.2.255 (@54)	
(5) .logical_name	PASSED
<Data>	
<OctetString Value="0000600102FF" />	
</Data>	
(6) .value	PASSED
<Data>	
<OctetString Value="\ " />	
</Data>	
Mngmt Get Device ID 4 0-0:96.1.3.255 (@58)	
(7) .logical_name	PASSED
<Data>	
<OctetString Value="0000600103FF" />	
</Data>	
(8) .value	PASSED
<Data>	
<OctetString Value="\ " />	
</Data>	
Mngmt Get Device ID 5 0-0:96.1.4.255 (@62)	
(9) .logical_name	PASSED
<Data>	
<OctetString Value="0000600104FF" />	
</Data>	
(10) .value	PASSED
<Data>	
<OctetString Value="\ " />	
</Data>	
Mngmt Get Device ID 6, IDIS certification number 0-0:96.1.5.255 (@66)	
(11) .logical_name	PASSED
<Data>	
<OctetString Value="0000600105FF" />	
</Data>	
(12) .value	PASSED
<Data>	
<OctetString Value="\IDIS1DLM00000000" />	
</Data>	
***** Test Case 5 : 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="\MEL1010712000017" />	
</Structure>	
</Array>	
</Data>	
***** Test Case 6 : 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="\MEL1010712000017" />
    </Data>
*****
Test Case 7 : Read Active FW version, 12 item(s)
*****
Mngmt Get Active firmware version 1-0:0.2.0.255 (@321)
(1) .logical_name PASSED
    <Data>
    <OctetString Value="0100000200FF" />
    </Data>
(2) .value PASSED
    <Data>
    <OctetString Value="\V030508.19" />
    </Data>
Mngmt Get Active firmware version signature 1-0:0.2.8.255 (@325)
(3) .logical_name PASSED
    <Data>
    <OctetString Value="0100000208FF" />
    </Data>
(4) .value PASSED
    <Data>
    <OctetString Value="123E" />
    </Data>
Mngmt Get Active firmware version 1 1-1:0.2.0.255 (@329)
(5) .logical_name INAPPLICABLE
    Optional object is not implemented
(6) .value INAPPLICABLE
    Optional object is not implemented
Mngmt Get Active firmware version signature 1 1-1:0.2.8.255 (@333)
(7) .logical_name INAPPLICABLE
    Optional object is not implemented
(8) .value INAPPLICABLE
    Optional object is not implemented
Mngmt Get Active firmware version 2 1-2:0.2.0.255 (@337)
(9) .logical_name INAPPLICABLE
    Optional object is not implemented
(10) .value INAPPLICABLE
    Optional object is not implemented
Mngmt Get Active firmware version signature 2 1-2:0.2.8.255 (@341)
(11) .logical_name INAPPLICABLE
    Optional object is not implemented
(12) .value INAPPLICABLE
    Optional object is not implemented
*****
Test Case 8 : Broadcast Clock <as set in CTI>, 1 item(s)
*****
Pre Set Clock 0-0:1.0.0.255 (@75)
(1) .time PASSED
    <Data>
    <OctetString Value="07E10406040A0000FF8000FF" />
    </Data>
*****
Test Case 9 : Read Clock, 1 item(s)
*****
Mngmt Get Clock 0-0:1.0.0.255 (@75)
(1) .time PASSED
    <Data>
    <OctetString Value="07E10406040A000700FF8880" />
    </Data>
*****
Test Case 10 : Set Special Days Table <as set in CTI>, 1 item(s)
*****
Mngmt Set Special Days Table 0-0:11.0.0.255 (@113)
(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" />
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<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0106FF" />
  <Unsigned Value="02" />
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  <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" >
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  <OctetString Value="FFFF0203FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0204FF" />
  <Unsigned Value="02" />
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<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>

```



```

    <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" />
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  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0304FF" />
  <Unsigned Value="02" />
</Structure>
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  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0305FF" />
  <Unsigned Value="02" />
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  <Unsigned Value="02" />
</Structure>
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<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 11 : Read Special Days Table, 1 item(s)
*****

```

```

Mngmt Get Special Days Table 0-0:11.0.0.255 (@113)
(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>
</Array>
</_Data>

```

Test Case 12 : Read Event Log buffers, 4 item(s)

Mngmt Get Disconnecter Control Log 0-0:99.98.2.255 (@181)

PASSED

```

(1) .buffer
  entries_in_use: 8
  <Data>
    <DoubleLongUnsigned Value="00000008" />
  </Data>
  capture_objects:
  <Data>
    <Array Qty="0003" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0000600B02FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0047" />
        <OctetString Value="0000110000FF" />
        <Integer Value="03" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
  Buffer has 8 elements:
  <Data>
    <Array Qty="0008" >
      <Structure Qty="0003" >
        <OctetString Value="07E00404010B152900FF8880" />
        <Enum Value="FF" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0003" >
        <OctetString Value="07E10404020B283900FF8880" />
        <Enum Value="3E" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0003" >
        <OctetString Value="07E10404020B290100FF8880" />
        <Enum Value="3F" />
      </Structure>
    </Array>
  </Data>

```

```

    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0003" >
    <OctetString Value="07E10404020B290100FF8880" />
    <Enum Value="3B" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0003" >
    <OctetString Value="07E10404020B291D00FF8880" />
    <Enum Value="3E" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0003" >
    <OctetString Value="07E10404020B292300FF8880" />
    <Enum Value="3F" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0003" >
    <OctetString Value="07E10404020B292800FF8880" />
    <Enum Value="3E" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0003" >
    <OctetString Value="07E10404020B292B00FF8880" />
    <Enum Value="3F" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
</Array>
</Data>
Earliest date: 04-APR-2016 11:21:41, latest date: 04-APR-2017 11:41:43
Middle date: 04-APR-2017 11:41:29

```

Mngmt Get Standard Event Log 0-0:99.98.0.255 (@261)

(2) .buffer PASSED

```

  entries_in_use: 97
  <Data>
    <DoubleLongUnsigned Value="00000061" />
  </Data>
  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="0000600B00FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
  Buffer has 97 elements:
  <_Data>
    <Array Qty="0061" >
      <Structure Qty="0002" >
        <OctetString Value="07E009010400020900FF8880" />
        <Enum Value="FF" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E009010400032D00FF8880" />
        <Enum Value="2F" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E009010400032E0CFF8880" />
        <Enum Value="04" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E10404020B273900FF8880" />
        <Enum Value="05" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E10404020B291500FF8880" />
        <Enum Value="2F" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E10404020B2A1A00FF8880" />
        <Enum Value="2F" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E10404020B2D2900FF8880" />
        <Enum Value="2F" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E10404020B2D3700FF8880" />
        <Enum Value="2F" />
      </Structure>
    </Array>
  </_Data>

```

```

<Structure Qty="0002" >
  <OctetString Value="07E10404020B340700FF8880" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020B340C00FF8880" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020B341600FF8880" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020B341D00FF8880" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020B380F00FF8880" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020B381C00FF8880" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020B382800FF8880" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020B383200FF8880" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020B391A00FF8880" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020B392600FF8880" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020C013300FF8880" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D1B3300FF8880" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D233200FF8880" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D242B00FF8880" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D250800FF8880" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D252100FF8880" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D270000FF8880" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D272900FF8880" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D282800FF8880" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D2C2E00FF8880" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D2D0C00FF8880" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D2D3600FF8880" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D2E2100FF8880" />

```

```
<Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D360100FF8880" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D362300FF8880" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D380400FF8880" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020E000A00FF8880" />
  <Enum Value="01" />
</Structure>
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  <OctetString Value="07E104060408331F00FF8880" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060408382B00FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060408390A00FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060408390D00FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060408391000FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060408393200FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060408393600FF8880" />
  <Enum Value="2F" />
</Structure>
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  <OctetString Value="07E104060408393A00FF8880" />
  <Enum Value="2F" />
</Structure>
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  <OctetString Value="07E1040604083A0300FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060409061600FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060409061A00FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060409061B00FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060409061E00FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060409070500FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060409070600FF8880" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E1040604023A2D24FF8880" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060403011024FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060403011100FF8880" />
  <Enum Value="04" />
</Structure>
```

```
<Structure Qty="0002" >
  <OctetString Value="07E1040604033A3500FF8880" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060404010500FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060404010600FF8880" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E1040604043A3500FF8880" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060405001700FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060405001818FF8880" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E1040604053A3500FF8880" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060406001E00FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060406001F16FF8880" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E1040604063A3500FF8880" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060407002100FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10406040700222BFF8880" />
  <Enum Value="04" />
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<Structure Qty="0002" >
  <OctetString Value="07E104060409102A00FF8880" />
  <Enum Value="05" />
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  <OctetString Value="07E104060409121500FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060409131000FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060409132500FF8880" />
  <Enum Value="2F" />
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  <OctetString Value="07E104060409141400FF8880" />
  <Enum Value="2F" />
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<Structure Qty="0002" >
  <OctetString Value="07E104060409143600FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060409151F00FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060409152B00FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060409161800FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E1040604091D0B00FF8880" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E1040604091D1100FF8880" />
```

```
<Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E1040604091D1900FF8880" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E1040604091D2300FF8880" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E1040604091D2A00FF8880" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E1040604091D3600FF8880" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E1040604091E0200FF8880" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E1040604091E0D00FF8880" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E1040604091E3000FF8880" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E1040604091E3A00FF8880" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E1040604092E1000FF8880" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060409330F00FF8880" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060409343600FF8880" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060409350700FF8880" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10406040A010000FF8880" />
  <Enum Value="0B" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10406040A0A0600FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10406040A0A0700FF8880" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10406040A000000FF8880" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10406040A001F00FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10406040B180300FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10406040B180437FF8880" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10406040A000000FF8880" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10406040A002D00FF8880" />
  <Enum Value="2F" />
</Structure>
</Array>
</_Data>
Earliest date: 01-SEP-2016 00:02:09, latest date: 06-APR-2017 11:24:04
Middle date: 06-APR-2017 09:07:05
```



```

Mngmt Get Fraud Detection Log 0-0:99.98.1.255 (@276)
(3) .buffer                                     PASSED
  entries_in_use: 8
  <Data>
    <DoubleLongUnsigned Value="00000008" />
  </Data>
  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="0000600B01FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
  Buffer has 8 elements:
  <Data>
    <Array Qty="0008" >
      <Structure Qty="0002" >
        <OctetString Value="07E10404020B280400FF8880" />
        <Enum Value="FF" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E10404020B281500FF8880" />
        <Enum Value="29" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E10404020B281600FF8880" />
        <Enum Value="28" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E10404020B281B00FF8880" />
        <Enum Value="29" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E10404020B281D00FF8880" />
        <Enum Value="28" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E10404020B282200FF8880" />
        <Enum Value="29" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E10404020B282400FF8880" />
        <Enum Value="28" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E104060408343B00FF8880" />
        <Enum Value="29" />
      </Structure>
    </Array>
  </Data>
  Earliest date: 04-APR-2017 11:40:04, latest date: 06-APR-2017 08:52:59
  Middle date: 04-APR-2017 11:40:29

Mngmt Get Power Quality Log 0-0:99.98.4.255 (@1249)
(4) .buffer                                     PASSED
  entries_in_use: 9
  <Data>
    <DoubleLongUnsigned Value="00000009" />
  </Data>
  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="0000600B04FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
  Buffer has 9 elements:
  <Data>
    <Array Qty="0009" >

```

```

<Structure Qty="0002" >
  <OctetString Value="07E10404020D1E2000FF8880" />
  <Enum Value="FF" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D1F0E00FF8880" />
  <Enum Value="52" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D1F2400FF8880" />
  <Enum Value="55" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D203000FF8880" />
  <Enum Value="52" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D211C00FF8880" />
  <Enum Value="55" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D221C00FF8880" />
  <Enum Value="52" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D230200FF8880" />
  <Enum Value="55" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D362000FF8880" />
  <Enum Value="52" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10404020D362000FF8880" />
  <Enum Value="53" />
</Structure>
</Array>
</Data>
Earliest date: 04-APR-2017 13:30:32, latest date: 04-APR-2017 13:54:32
Middle date: 04-APR-2017 13:33:28

```

```

*****
Test Case 13 : Read Data of Billing Period 1 buffer, 1 item(s)
*****

```

Mngmt Get Data of billing period 1 0-0:98.1.0.255 (@146)

(1) .buffer

PASSED

```

  entries_in_use: 6
  <Data>
    <DoubleLongUnsigned Value="00000006" />
  </Data>
  capture_objects:
  <Data>
    <Array Qty="0005" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0003" />
        <OctetString Value="0100010801FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0003" />
        <OctetString Value="0100010802FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0003" />
        <OctetString Value="0100020801FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0003" />
        <OctetString Value="0100020802FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
  Buffer has 6 elements:
  <_Data>
    <Array Qty="0006" >
      <Structure Qty="0005" >

```

```

<OctetString Value="07E005010700000036FF8880" />
<DoubleLongUnsigned Value="00000090" />
<DoubleLongUnsigned Value="00000000" />
<DoubleLongUnsigned Value="0000001A" />
<DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07E006010300000004FF8880" />
  <DoubleLongUnsigned Value="00000090" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="0000001A" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07E007010500000000FF8880" />
  <DoubleLongUnsigned Value="00000090" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="0000001A" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07E008010100000000FF8880" />
  <DoubleLongUnsigned Value="00000090" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="0000001A" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07E009010400000000FF8880" />
  <DoubleLongUnsigned Value="00000090" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="0000001A" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07E10404020B273800FF8880" />
  <DoubleLongUnsigned Value="00000090" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="0000001A" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
</Array>
</_Data>
Earliest date: 01-MAY-2016 00:00:00, latest date: 04-APR-2017 11:39:56
Middle date: 01-AUG-2016 00:00:00

```

```

*****
Test Case 14 : M-Bus G350 uncorr & valve, 130 item(s)
*****

```

```

Mngmt Get M-Bus master port setup 1 0-0:24.6.0.255 (@1475)
(1) .comm_speed PASSED
  <Data>
  <Enum Value="03" />
  </Data>

Mngmt Get M-Bus client channel 1 0-1:24.1.0.255 (@1483)
(2) .mbus_port_reference PASSED
  <Data>
  <OctetString Value="0000180600FF" />
  </Data>

(3) .capture_definition PASSED
  <Data>
  <Array Qty="0002" >
    <Structure Qty="0002" >
      <OctetString Value="\L" />
      <OctetString Value="933A" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="8940" />
      <OctetString Value="FD1A" />
    </Structure>
  </Array>
  </Data>

(4) .capture_period PASSED
  <Data>
  <DoubleLongUnsigned Value="00000E10" />
  </Data>

(5) .primary_address PASSED
  <Data>
  <Unsigned Value="01" />
  </Data>

(6) .identification_number PASSED
  <Data>
  <DoubleLongUnsigned Value="00047BB1" />
  </Data>

(7) .manufacturer_id PASSED
  <Data>
  <LongUnsigned Value="19AC" />
  </Data>

```

(8) .version	PASSED
<pre> <Data> <Unsigned Value="02" /> </Data> </pre>	
(9) .device_type	PASSED
<pre> <Data> <Unsigned Value="03" /> </Data> </pre>	
(10) .access_number	PASSED
<pre> <Data> <Unsigned Value="33" /> </Data> </pre>	
(11) .status	PASSED
<pre> <Data> <Unsigned Value="40" /> </Data> </pre>	
(12) .alarm	PASSED
<pre> <Data> <Unsigned Value="00" /> </Data> </pre>	
Mngmt Get M-Bus client channel 2 0-2:24.1.0.255 (@1505)	
(13) .mbus_port_reference	PASSED
<pre> <Data> <OctetString Value="0000180600FF" /> </Data> </pre>	
(14) .capture_definition	PASSED
<pre> <Data> <Array Qty="0002" > <Structure Qty="0002" > <OctetString Value="\L" /> <OctetString Value="933A" /> </Structure> <Structure Qty="0002" > <OctetString Value="8940" /> <OctetString Value="FD1A" /> </Structure> </Array> </Data> </pre>	
(15) .capture_period	PASSED
<pre> <Data> <DoubleLongUnsigned Value="00000E10" /> </Data> </pre>	
(16) .primary_address	PASSED
<pre> <Data> <Unsigned Value="02" /> </Data> </pre>	
(17) .identification_number	PASSED
<pre> <Data> <DoubleLongUnsigned Value="00047BB2" /> </Data> </pre>	
(18) .manufacturer_id	PASSED
<pre> <Data> <LongUnsigned Value="19AC" /> </Data> </pre>	
(19) .version	PASSED
<pre> <Data> <Unsigned Value="02" /> </Data> </pre>	
(20) .device_type	PASSED
<pre> <Data> <Unsigned Value="03" /> </Data> </pre>	
(21) .access_number	PASSED
<pre> <Data> <Unsigned Value="29" /> </Data> </pre>	
(22) .status	PASSED
<pre> <Data> <Unsigned Value="40" /> </Data> </pre>	
(23) .alarm	PASSED
<pre> <Data> <Unsigned Value="00" /> </Data> </pre>	
Mngmt Get M-Bus client channel 3 0-3:24.1.0.255 (@1527)	
(24) .mbus_port_reference	PASSED
<pre> <Data> <OctetString Value="0000180600FF" /> </Data> </pre>	
(25) .capture_definition	PASSED
<pre> <Data> <Array Qty="0002" > <Structure Qty="0002" > <OctetString Value="\L" /> <OctetString Value="933A" /> </Structure> <Structure Qty="0002" > <OctetString Value="8940" /> </Structure> </Array> </Data> </pre>	

```

        <OctetString Value="FD1A" />
    </Structure>
</Array>
</Data>
(26) .capture_period PASSED
    <Data>
        <DoubleLongUnsigned Value="00000E10" />
    </Data>
(27) .primary_address PASSED
    <Data>
        <Unsigned Value="03" />
    </Data>
(28) .identification_number PASSED
    <Data>
        <DoubleLongUnsigned Value="00047BB4" />
    </Data>
(29) .manufacturer_id PASSED
    <Data>
        <LongUnsigned Value="19AC" />
    </Data>
(30) .version PASSED
    <Data>
        <Unsigned Value="02" />
    </Data>
(31) .device_type PASSED
    <Data>
        <Unsigned Value="03" />
    </Data>
(32) .access_number PASSED
    <Data>
        <Unsigned Value="2B" />
    </Data>
(33) .status PASSED
    <Data>
        <Unsigned Value="40" />
    </Data>
(34) .alarm PASSED
    <Data>
        <Unsigned Value="00" />
    </Data>
Mngmt Get M-Bus client channel 4 0-4:24.1.0.255 (@1549)
(35) .mbus_port_reference PASSED
    <Data>
        <OctetString Value="0000180600FF" />
    </Data>
(36) .capture_definition PASSED
    <Data>
        <Array Qty="0002" >
            <Structure Qty="0002" >
                <OctetString Value="L" />
                <OctetString Value="933A" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="8940" />
                <OctetString Value="FD1A" />
            </Structure>
        </Array>
    </Data>
(37) .capture_period PASSED
    <Data>
        <DoubleLongUnsigned Value="00000E10" />
    </Data>
(38) .primary_address PASSED
    <Data>
        <Unsigned Value="04" />
    </Data>
(39) .identification_number PASSED
    <Data>
        <DoubleLongUnsigned Value="00047BB3" />
    </Data>
(40) .manufacturer_id PASSED
    <Data>
        <LongUnsigned Value="19AC" />
    </Data>
(41) .version PASSED
    <Data>
        <Unsigned Value="02" />
    </Data>
(42) .device_type PASSED
    <Data>
        <Unsigned Value="03" />
    </Data>
(43) .access_number PASSED
    <Data>
        <Unsigned Value="7D" />
    </Data>
(44) .status PASSED
    <Data>
        <Unsigned Value="40" />
    </Data>

```

	</Data>	
(45)	.alarm <Data> <Unsigned Value="00" /> </Data>	PASSED
	Mngmt Get M-Bus Value channel 1, instance 1 0-1:24.2.1.255 (@1571)	
(46)	.value <Data> <DoubleLongUnsigned Value="00000BA1" /> </Data>	PASSED
(47)	.scaler_unit <Data> <Structure Qty="0002" > <Integer Value="FD" /> <Enum Value="0D" /> </Structure> </Data>	PASSED
(48)	.status <Data> <Unsigned Value="40" /> </Data>	PASSED
	Mngmt Get M-Bus Value channel 1, instance 2 0-1:24.2.2.255 (@1579)	
(49)	.value <Data> <DoubleLongUnsigned Value="00000001" /> </Data>	PASSED
(50)	.scaler_unit <Data> <Structure Qty="0002" > <Integer Value="00" /> <Enum Value="FE" /> </Structure> </Data>	PASSED
(51)	.status <Data> <Unsigned Value="40" /> </Data>	PASSED
	Mngmt Get M-Bus Value channel 2, instance 1 0-2:24.2.1.255 (@1603)	
(52)	.value <Data> <DoubleLongUnsigned Value="000009A3" /> </Data>	PASSED
(53)	.scaler_unit <Data> <Structure Qty="0002" > <Integer Value="FD" /> <Enum Value="0D" /> </Structure> </Data>	PASSED
(54)	.status <Data> <Unsigned Value="40" /> </Data>	PASSED
	Mngmt Get M-Bus Value channel 2, instance 2 0-2:24.2.2.255 (@1611)	
(55)	.value <Data> <DoubleLongUnsigned Value="00000001" /> </Data>	PASSED
(56)	.scaler_unit <Data> <Structure Qty="0002" > <Integer Value="00" /> <Enum Value="FE" /> </Structure> </Data>	PASSED
(57)	.status <Data> <Unsigned Value="40" /> </Data>	PASSED
	Mngmt Get M-Bus Value channel 3, instance 1 0-3:24.2.1.255 (@1635)	
(58)	.value <Data> <DoubleLongUnsigned Value="00000CAE" /> </Data>	PASSED
(59)	.scaler_unit <Data> <Structure Qty="0002" > <Integer Value="FD" /> <Enum Value="0D" /> </Structure> </Data>	PASSED
(60)	.status <Data> <Unsigned Value="40" /> </Data>	PASSED

```

Mngmt Get M-Bus Value channel 3, instance 2 0-3:24.2.2.255 (@1643)
(61) .value PASSED
    <Data>
    <DoubleLongUnsigned Value="00000001" />
    </Data>

(62) .scaler_unit PASSED
    <Data>
    <Structure Qty="0002" >
    <Integer Value="00" />
    <Enum Value="FE" />
    </Structure>
    </Data>

(63) .status PASSED
    <Data>
    <Unsigned Value="40" />
    </Data>

Mngmt Get M-Bus Value channel 4, instance 1 0-4:24.2.1.255 (@1667)
(64) .value PASSED
    <Data>
    <DoubleLongUnsigned Value="000006E7" />
    </Data>

(65) .scaler_unit PASSED
    <Data>
    <Structure Qty="0002" >
    <Integer Value="FD" />
    <Enum Value="0D" />
    </Structure>
    </Data>

(66) .status PASSED
    <Data>
    <Unsigned Value="40" />
    </Data>

Mngmt Get M-Bus Value channel 4, instance 2 0-4:24.2.2.255 (@1675)
(67) .value PASSED
    <Data>
    <DoubleLongUnsigned Value="00000001" />
    </Data>

(68) .scaler_unit PASSED
    <Data>
    <Structure Qty="0002" >
    <Integer Value="00" />
    <Enum Value="FE" />
    </Structure>
    </Data>

(69) .status PASSED
    <Data>
    <Unsigned Value="40" />
    </Data>

Mngmt Get M-Bus Device ID 1 channel 1 0-1:96.1.0.255 (@1699)
(70) .value PASSED
    <Data>
    <OctetString Value="\00000540029380911" />
    </Data>

Mngmt Get M-Bus Device ID 1 channel 2 0-2:96.1.0.255 (@1703)
(71) .value PASSED
    <Data>
    <OctetString Value="\00000540029381011" />
    </Data>

Mngmt Get M-Bus Device ID 1 channel 3 0-3:96.1.0.255 (@1707)
(72) .value PASSED
    <Data>
    <OctetString Value="\00000540029381211" />
    </Data>

Mngmt Get M-Bus Device ID 1 channel 4 0-4:96.1.0.255 (@1711)
(73) .value PASSED
    <Data>
    <OctetString Value="\00000540029381111" />
    </Data>

Mngmt Get M-Bus Device ID 2 channel 1 0-1:96.1.1.255 (@1715)
(74) .value PASSED
    <Data>
    <OctetString Value="" />
    </Data>

Mngmt Get M-Bus Device ID 2 channel 2 0-2:96.1.1.255 (@1719)
(75) .value PASSED
    <Data>
    <OctetString Value="" />
    </Data>

Mngmt Get M-Bus Device ID 2 channel 3 0-3:96.1.1.255 (@1723)
(76) .value PASSED

```

```

<Data>
  <OctetString Value="" />
</Data>

Mngmt Get M-Bus Device ID 2 channel 4 0-4:96.1.1.255 (@1727)
(77) .value PASSED
  <Data>
    <OctetString Value="" />
  </Data>

Mngmt Get M-Bus Master Load profile for channel 1 0-1:24.3.0.255 (@1747)
(78) .buffer PASSED
  entries_in_use: 9
  <Data>
    <DoubleLongUnsigned Value="00000009" />
  </Data>
  capture_objects:
  <Data>
    <Array Qty="0006" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0001600A03FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0001180201FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0001180202FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0001180203FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0001180204FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
  Buffer has 9 elements:
  <_Data>
    <Array Qty="0009" >
      <Structure Qty="0006" >
        <OctetString Value="07E104060403000024FF8880" />
        <Unsigned Value="00" />
        <DoubleLongUnsigned Value="00000BA1" />
        <DoubleLongUnsigned Value="00000001" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07E104060404000000FF8880" />
        <Unsigned Value="00" />
        <DoubleLongUnsigned Value="00000BA1" />
        <DoubleLongUnsigned Value="00000001" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07E104060405000000FF8880" />
        <Unsigned Value="00" />
        <DoubleLongUnsigned Value="00000BA1" />
        <DoubleLongUnsigned Value="00000001" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07E104060406000000FF8880" />
        <Unsigned Value="00" />
        <DoubleLongUnsigned Value="00000BA1" />
        <DoubleLongUnsigned Value="00000001" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
    </Array>
  </_Data>

```



```

    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07E104060407000000FF8880" />
    <Unsigned Value="00" />
    <DoubleLongUnsigned Value="00000BA1" />
    <DoubleLongUnsigned Value="00000001" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07E10406040A000000FF8880" />
    <Unsigned Value="00" />
    <DoubleLongUnsigned Value="00000BA1" />
    <DoubleLongUnsigned Value="00000001" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07E10406040A000000FF8880" />
    <Unsigned Value="00" />
    <DoubleLongUnsigned Value="00000BA1" />
    <DoubleLongUnsigned Value="00000001" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07E10406040B000000FF8880" />
    <Unsigned Value="00" />
    <DoubleLongUnsigned Value="00000BA1" />
    <DoubleLongUnsigned Value="00000001" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07E10406040A000000FF8880" />
    <Unsigned Value="00" />
    <DoubleLongUnsigned Value="00000BA1" />
    <DoubleLongUnsigned Value="00000001" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
</Array>
</Data>
Earliest date: 06-APR-2017 03:00:00, latest date: 06-APR-2017 11:00:00
Middle date: 06-APR-2017 07:00:00
(79) .capture_objects PASSED
  <Data>
    <Array Qty="0006" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0001600A03FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0001180201FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0001180202FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0001180203FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0001180204FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
(80) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000E10" />
  </Data>

```

```

</Data>
(81) .entries_in_use                                     PASSED
<Data>
  <DoubleLongUnsigned Value="00000009" />
</Data>

Mngmt Get M-Bus Master Load profile for channel 2 0-2:24.3.0.255 (@1758)
(82) .buffer                                           PASSED
  entries_in_use: 9
  <Data>
    <DoubleLongUnsigned Value="00000009" />
  </Data>
  capture_objects:
  <Data>
    <Array Qty="0006" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0002600A03FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0002180201FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0002180202FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0002180203FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0002180204FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
  Buffer has 9 elements:
  <_Data>
    <Array Qty="0009" >
      <Structure Qty="0006" >
        <OctetString Value="07E104060403000024FF8880" />
        <Unsigned Value="00" />
        <DoubleLongUnsigned Value="000009A3" />
        <DoubleLongUnsigned Value="00000001" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07E104060404000000FF8880" />
        <Unsigned Value="00" />
        <DoubleLongUnsigned Value="000009A3" />
        <DoubleLongUnsigned Value="00000001" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07E104060405000000FF8880" />
        <Unsigned Value="00" />
        <DoubleLongUnsigned Value="000009A3" />
        <DoubleLongUnsigned Value="00000001" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07E104060406000000FF8880" />
        <Unsigned Value="00" />
        <DoubleLongUnsigned Value="000009A3" />
        <DoubleLongUnsigned Value="00000001" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07E104060407000000FF8880" />
        <Unsigned Value="00" />
        <DoubleLongUnsigned Value="000009A3" />
        <DoubleLongUnsigned Value="00000001" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
    </Array>
  </Data>

```

```

    <Unsigned Value="00" />
    <DoubleLongUnsigned Value="000009A3" />
    <DoubleLongUnsigned Value="00000001" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07E10406040A000000FF8880" />
    <Unsigned Value="00" />
    <DoubleLongUnsigned Value="000009A3" />
    <DoubleLongUnsigned Value="00000001" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07E10406040A000000FF8880" />
    <Unsigned Value="00" />
    <DoubleLongUnsigned Value="000009A3" />
    <DoubleLongUnsigned Value="00000001" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07E10406040B000000FF8880" />
    <Unsigned Value="00" />
    <DoubleLongUnsigned Value="000009A3" />
    <DoubleLongUnsigned Value="00000001" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07E10406040A000000FF8880" />
    <Unsigned Value="00" />
    <DoubleLongUnsigned Value="000009A3" />
    <DoubleLongUnsigned Value="00000001" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
</Array>
</_Data>
Earliest date: 06-APR-2017 03:00:00, latest date: 06-APR-2017 11:00:00
Middle date: 06-APR-2017 07:00:00
(83) .capture_objects PASSED
  <Data>
    <Array Qty="0006" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0002600A03FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0002180201FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0002180202FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0002180203FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0002180204FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
(84) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000E10" />
  </Data>
(85) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="00000009" />
  </Data>

```

```

</Data>
Mngmt Get M-Bus Master Load profile for channel 3 0-3:24.3.0.255 (@1769)          PASSED
(86) .buffer
  entries_in_use: 9
  <Data>
    <DoubleLongUnsigned Value="00000009" />
  </Data>
  capture_objects:
  <Data>
    <Array Qty="0006" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0003600A03FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0003180201FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0003180202FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0003180203FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0003180204FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
  Buffer has 9 elements:
  <_Data>
    <Array Qty="0009" >
      <Structure Qty="0006" >
        <OctetString Value="07E104060403000024FF8880" />
        <Unsigned Value="00" />
        <DoubleLongUnsigned Value="00000CAE" />
        <DoubleLongUnsigned Value="00000001" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07E104060404000000FF8880" />
        <Unsigned Value="00" />
        <DoubleLongUnsigned Value="00000CAE" />
        <DoubleLongUnsigned Value="00000001" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07E104060405000000FF8880" />
        <Unsigned Value="00" />
        <DoubleLongUnsigned Value="00000CAE" />
        <DoubleLongUnsigned Value="00000001" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07E104060406000000FF8880" />
        <Unsigned Value="00" />
        <DoubleLongUnsigned Value="00000CAE" />
        <DoubleLongUnsigned Value="00000001" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07E104060407000000FF8880" />
        <Unsigned Value="00" />
        <DoubleLongUnsigned Value="00000CAE" />
        <DoubleLongUnsigned Value="00000001" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
    </Array>
  </_Data>

```

```

    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07E10406040A000000FF8880" />
    <Unsigned Value="00" />
    <DoubleLongUnsigned Value="00000CAE" />
    <DoubleLongUnsigned Value="00000001" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07E10406040A000000FF8880" />
    <Unsigned Value="00" />
    <DoubleLongUnsigned Value="00000CAE" />
    <DoubleLongUnsigned Value="00000001" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07E10406040B000000FF8880" />
    <Unsigned Value="00" />
    <DoubleLongUnsigned Value="00000CAE" />
    <DoubleLongUnsigned Value="00000001" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07E10406040A000000FF8880" />
    <Unsigned Value="00" />
    <DoubleLongUnsigned Value="00000CAE" />
    <DoubleLongUnsigned Value="00000001" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
</Array>
</_Data>
Earliest date: 06-APR-2017 03:00:00, latest date: 06-APR-2017 11:00:00
Middle date: 06-APR-2017 07:00:00
(87) .capture_objects PASSED
  <Data>
    <Array Qty="0006" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0003600A03FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0003180201FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0003180202FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0003180203FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0003180204FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
(88) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000E10" />
  </Data>
(89) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="00000009" />
  </Data>

Mngmt Get M-Bus Master Load profile for channel 4 0-4:24.3.0.255 (@1780)
(90) .buffer PASSED

```

```

entries_in_use: 9
  <Data>
    <DoubleLongUnsigned Value="00000009" />
  </Data>
capture_objects:
  <Data>
    <Array Qty="0006" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0004600A03FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0004180201FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0004180202FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0004180203FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0004180204FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
Buffer has 9 elements:
  <_Data>
    <Array Qty="0009" >
      <Structure Qty="0006" >
        <OctetString Value="07E104060403000024FF8880" />
        <Unsigned Value="00" />
        <DoubleLongUnsigned Value="000006E7" />
        <DoubleLongUnsigned Value="00000001" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07E104060404000000FF8880" />
        <Unsigned Value="00" />
        <DoubleLongUnsigned Value="000006E7" />
        <DoubleLongUnsigned Value="00000001" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07E104060405000000FF8880" />
        <Unsigned Value="00" />
        <DoubleLongUnsigned Value="000006E7" />
        <DoubleLongUnsigned Value="00000001" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07E104060406000000FF8880" />
        <Unsigned Value="00" />
        <DoubleLongUnsigned Value="000006E7" />
        <DoubleLongUnsigned Value="00000001" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07E104060407000000FF8880" />
        <Unsigned Value="00" />
        <DoubleLongUnsigned Value="000006E7" />
        <DoubleLongUnsigned Value="00000001" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07E10406040A000000FF8880" />

```

```

    <Unsigned Value="00" />
    <DoubleLongUnsigned Value="000006E7" />
    <DoubleLongUnsigned Value="00000001" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07E10406040A000000FF8880" />
  <Unsigned Value="00" />
  <DoubleLongUnsigned Value="000006E7" />
  <DoubleLongUnsigned Value="00000001" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07E10406040B000000FF8880" />
  <Unsigned Value="00" />
  <DoubleLongUnsigned Value="000006E7" />
  <DoubleLongUnsigned Value="00000001" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07E10406040A000000FF8880" />
  <Unsigned Value="00" />
  <DoubleLongUnsigned Value="000006E7" />
  <DoubleLongUnsigned Value="00000001" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
</Array>
</_Data>
Earliest date: 06-APR-2017 03:00:00, latest date: 06-APR-2017 11:00:00
Middle date: 06-APR-2017 07:00:00
(91) .capture_objects PASSED
  <Data>
    <Array Qty="0006" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0004600A03FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0004180201FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0004180202FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0004180203FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0004180204FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
(92) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000E10" />
  </Data>
(93) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="00000009" />
  </Data>
Mngmt Get M-Bus Master Disconnect control object 1 0-1:24.4.0.255 (@1791)
(94) .output_state PASSED
  <Data>
    <Bool Value="01" />
  </Data>
(95) .control_state PASSED

```

```

    <Data>
      <Enum Value="01" />
    </Data>
(96) .control_mode PASSED
    <Data>
      <Enum Value="05" />
    </Data>

Mngmt Get M-Bus Master Disconnect control object 2 0-2:24.4.0.255 (@1799)
(97) .output_state PASSED
    <Data>
      <Bool Value="01" />
    </Data>
(98) .control_state PASSED
    <Data>
      <Enum Value="01" />
    </Data>
(99) .control_mode PASSED
    <Data>
      <Enum Value="05" />
    </Data>

Mngmt Get M-Bus Master Disconnect control object 3 0-3:24.4.0.255 (@1807)
(100) .output_state PASSED
    <Data>
      <Bool Value="01" />
    </Data>
(101) .control_state PASSED
    <Data>
      <Enum Value="01" />
    </Data>
(102) .control_mode PASSED
    <Data>
      <Enum Value="00" />
    </Data>

Mngmt Get M-Bus Master Disconnect control object 4 0-4:24.4.0.255 (@1815)
(103) .output_state PASSED
    <Data>
      <Bool Value="01" />
    </Data>
(104) .control_state PASSED
    <Data>
      <Enum Value="01" />
    </Data>
(105) .control_mode PASSED
    <Data>
      <Enum Value="00" />
    </Data>

Mngmt Get M-Bus Disconnect control scheduler 0-1:15.0.1.255 (@1823)
(106) .executed_script PASSED
    <Data>
      <Structure Qty="0002" >
        <OctetString Value="00010A006AFF" />
        <LongUnsigned Value="0001" />
      </Structure>
    </Data>
(107) .type PASSED
    <Data>
      <Enum Value="01" />
    </Data>
(108) .execution_time PASSED
    <Data>
      <Array Qty="0000" >
    </Array>
    </Data>

Mngmt Get M-Bus Disconnect script table 0-1:10.0.106.255 (@1829)
(109) .scripts PASSED
    <Data>
      <Array Qty="0008" >
        <Structure Qty="0002" >
          <LongUnsigned Value="0001" />
          <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="0002" />
          <Array Qty="0001" >
            <Structure Qty="0005" >
              <Enum Value="02" />
              <LongUnsigned Value="0046" />
            </Structure>
          </Array>
        </Structure>
      </Array>
    </Data>

```



```

    <OctetString Value="0001180400FF" />
    <Integer Value="02" />
    <Integer Value="00" />
  </Structure>
</Array>
</Structure>
<Structure Qty="0002" >
  <LongUnsigned Value="0003" />
  <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="0004" />
  <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="0005" />
  <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="0006" />
  <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="0007" />
  <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="0008" />
  <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>

```

```

Mngmt Get Event Objects - M-Bus Master Control logs 4 0-4:96.11.4.255 (@1846)
(110) .value PASSED
  <Data>
    <Enum Value="C1" />
  </Data>

Mngmt Get M-Bus Master Control log object 1 0-1:24.5.0.255 (@1850)
(111) .buffer PASSED
  entries_in_use: 7

```

```

<Data>
  <DoubleLongUnsigned Value="00000007" />
</Data>
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="0001600B04FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
Buffer has 7 elements:
  <Data>
    <Array Qty="0007" >
      <Structure Qty="0002" >
        <OctetString Value="07E00404010B153B00FF8880" />
        <Enum Value="FF" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E104060409121900FF8880" />
        <Enum Value="A2" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E104060409121F00FF8880" />
        <Enum Value="A3" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E104060409123A00FF8880" />
        <Enum Value="A2" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E104060409130200FF8880" />
        <Enum Value="A3" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E104060409130800FF8880" />
        <Enum Value="A2" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E104060409130B00FF8880" />
        <Enum Value="A3" />
      </Structure>
    </Array>
  </Data>
Earliest date: 04-APR-2016 11:21:59, latest date: 06-APR-2017 09:19:11
Middle date: 06-APR-2017 09:18:58
(112) .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>
(113) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000000" />
  </Data>
(114) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="00000007" />
  </Data>
Mngmt Get M-Bus Master Control log object 2 0-2:24.5.0.255 (@1861)
(115) .buffer PASSED
  entries_in_use: 7
  <Data>
    <DoubleLongUnsigned Value="00000007" />
  </Data>
  capture_objects:
  <Data>
    <Array Qty="0002" >

```

```

    <Structure Qty="0004" >
      <LongUnsigned Value="0008" />
      <OctetString Value="0000010000FF" />
      <Integer Value="02" />
      <LongUnsigned Value="0000" />
    </Structure>
  </Array>
</Data>
Buffer has 7 elements:
<Data>
  <Array Qty="0007" >
    <Structure Qty="0002" >
      <OctetString Value="07E00404010B160A00FF8880" />
      <Enum Value="FF" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07E104060409132A00FF8880" />
      <Enum Value="AC" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07E104060409132F00FF8880" />
      <Enum Value="AD" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07E104060409133700FF8880" />
      <Enum Value="AC" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07E104060409140200FF8880" />
      <Enum Value="AD" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07E104060409140800FF8880" />
      <Enum Value="AC" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07E104060409140F00FF8880" />
      <Enum Value="AD" />
    </Structure>
  </Array>
</Data>
Earliest date: 04-APR-2016 11:22:10, latest date: 06-APR-2017 09:20:15
Middle date: 06-APR-2017 09:19:55
(116) .capture_objects PASSED
  <Data>
    <Array Qty="0002" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0002600B04FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
(117) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000000" />
  </Data>
(118) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="00000007" />
  </Data>
Mngmt Get M-Bus Master Control log object 3 0-3:24.5.0.255 (@1872)
(119) .buffer PASSED
  entries_in_use: 7
  <Data>
    <DoubleLongUnsigned Value="00000007" />
  </Data>
  capture_objects:
  <Data>
    <Array Qty="0002" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>

```

```

    <Structure Qty="0004" >
      <LongUnsigned Value="0001" />
      <OctetString Value="0003600B04FF" />
      <Integer Value="02" />
      <LongUnsigned Value="0000" />
    </Structure>
  </Array>
</Data>
Buffer has 7 elements:
<Data>
  <Array Qty="0007" >
    <Structure Qty="0002" >
      <OctetString Value="07E00404010B161500FF8880" />
      <Enum Value="FF" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07E104060409143900FF8880" />
      <Enum Value="B6" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07E104060409150400FF8880" />
      <Enum Value="B7" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07E104060409150A00FF8880" />
      <Enum Value="B6" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07E104060409151000FF8880" />
      <Enum Value="B7" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07E104060409151500FF8880" />
      <Enum Value="B6" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07E104060409151A00FF8880" />
      <Enum Value="B7" />
    </Structure>
  </Array>
</Data>
Earliest date: 04-APR-2016 11:22:21, latest date: 06-APR-2017 09:21:26
Middle date: 06-APR-2017 09:21:10
(120) .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>
(121) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000000" />
  </Data>
(122) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="00000007" />
  </Data>

Mngmt Get M-Bus Master Control log object 4 0-4:24.5.0.255 (@1883)
(123) .buffer PASSED
  entries_in_use: 7
  <Data>
    <DoubleLongUnsigned Value="00000007" />
  </Data>
  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="0004600B04FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>

```

```

    </Array>
  </Data>
  Buffer has 7 elements:
  <Data>
    <Array Qty="0007" >
      <Structure Qty="0002" >
        <OctetString Value="07E00404010B162000FF8880" />
        <Enum Value="FF" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E104060409152F00FF8880" />
        <Enum Value="C0" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E104060409153400FF8880" />
        <Enum Value="C1" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E104060409160500FF8880" />
        <Enum Value="C0" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E104060409160A00FF8880" />
        <Enum Value="C1" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E104060409160F00FF8880" />
        <Enum Value="C0" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07E104060409161400FF8880" />
        <Enum Value="C1" />
      </Structure>
    </Array>
  </Data>
  Earliest date: 04-APR-2016 11:22:32, latest date: 06-APR-2017 09:22:20
  Middle date: 06-APR-2017 09:22:05
  (124) .capture_objects PASSED
  <Data>
    <Array Qty="0002" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0004600B04FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
  (125) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000000" />
  </Data>
  (126) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="00000007" />
  </Data>
  Mngmt Get M-Bus Event Log 0-0:99.98.3.255 (@1898)
  (127) .buffer PASSED
  entries_in_use: 9
  <Data>
    <DoubleLongUnsigned Value="00000009" />
  </Data>
  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="0000600B03FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
  Buffer has 9 elements:
  <Data>
    <Array Qty="0009" >
      <Structure Qty="0002" >

```

```

    <OctetString Value="07E104060409042200FF8880" />
    <Enum Value="FF" />
  </Structure>
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060409051C00FF8880" />
  <Enum Value="FE" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060409052900FF8880" />
  <Enum Value="FE" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060409052D00FF8880" />
  <Enum Value="FE" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E104060409053400FF8880" />
  <Enum Value="FE" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10406040A000000FF8880" />
  <Enum Value="67" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10406040A000000FF8880" />
  <Enum Value="71" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10406040A000000FF8880" />
  <Enum Value="7B" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07E10406040A000000FF8880" />
  <Enum Value="85" />
</Structure>
</Array>
</Data>
Earliest date: 06-APR-2017 09:04:34, latest date: 06-APR-2017 10:00:00
Middle date: 06-APR-2017 09:05:52
(128) .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>
(129) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000000" />
  </Data>
(130) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="00000009" />
  </Data>

*****
Test Case 15 : Re-read S-FSK, 35 item(s)
*****

Mngmt Get S-FSK Phy&MAC setup 0-0:26.0.0.255 (@1933)
(1) .logical_name PASSED
  <Data>
    <OctetString Value="00001A0000FF" />
  </Data>
(2) .initiator_electrical_phase PASSED
  <Data>
    <Enum Value="03" />
  </Data>
(3) .delta_electrical_phase PASSED
  <Data>
    <Enum Value="01" />
  </Data>
(4) .max_receiving_gain PASSED
  <Data>
    <Unsigned Value="2A" />
  </Data>
(5) .max_transmitting_gain PASSED
  <Data>
    <Unsigned Value="00" />
  </Data>

```

(6) .search_initiator_gain	PASSED
<pre> <Data> <Unsigned Value="62" /> </Data> </pre>	
(7) .frequencies	PASSED
<pre> <Data> <Structure Qty="0002" > <DoubleLongUnsigned Value="0000F744" /> <DoubleLongUnsigned Value="00012110" /> </Structure> </Data> </pre>	
(8) .mac_address	PASSED
<pre> <Data> <LongUnsigned Value="0011" /> </Data> </pre>	
(9) .mac_group_addresses	PASSED
<pre> <Data> <Array Qty="0005" > <LongUnsigned Value="0000" /> <LongUnsigned Value="0000" /> <LongUnsigned Value="0000" /> <LongUnsigned Value="0000" /> <LongUnsigned Value="0000" /> </Array> </Data> </pre>	
(10) .repeater	PASSED
<pre> <Data> <Enum Value="02" /> </Data> </pre>	
(11) .repeater_status	PASSED
<pre> <Data> <Bool Value="00" /> </Data> </pre>	
(12) .min_delta_credit	PASSED
<pre> <Data> <Unsigned Value="00" /> </Data> </pre>	
(13) .initiator_mac_address	PASSED
<pre> <Data> <LongUnsigned Value="0C00" /> </Data> </pre>	
(14) .synchronization_locked	PASSED
<pre> <Data> <Bool Value="01" /> </Data> </pre>	
(15) .transmission_speed	PASSED
<pre> <Data> <Enum Value="03" /> </Data> </pre>	
Mngmt Get S-FSK Active Initiator 0-0:26.1.0.255 (@1950)	
(16) .logical_name	PASSED
<pre> <Data> <OctetString Value="00001A0100FF" /> </Data> </pre>	
(17) .active_initiator	PASSED
<pre> <Data> <Structure Qty="0003" > <OctetString Value="4C475A1169000000" /> <LongUnsigned Value="0C00" /> <Unsigned Value="01" /> </Structure> </Data> </pre>	
Mngmt Get S-FSK MAC synchronisation timeouts 0-0:26.2.0.255 (@1955)	
(18) .logical_name	PASSED
<pre> <Data> <OctetString Value="00001A0200FF" /> </Data> </pre>	
(19) .search_initiator_timeout	PASSED
<pre> <Data> <LongUnsigned Value="0000" /> </Data> </pre>	
(20) .synchronization_confirmation_timeout	PASSED
<pre> <Data> <LongUnsigned Value="0005" /> </Data> </pre>	
(21) .timeout_not_addressed	PASSED
<pre> <Data> <LongUnsigned Value="0168" /> </Data> </pre>	
(22) .timeout_frame_not_OK	PASSED
<pre> <Data> <LongUnsigned Value="001E" /> </Data> </pre>	
Mngmt Get S-FSK MAC counters 0-0:26.3.0.255 (@1962)	
(23) .logical_name	PASSED
<pre> <Data> <OctetString Value="00001A0300FF" /> </pre>	

```

</Data>
(24) .synchronization_register PASSED
<Data>
  <Array Qty="0001" >
    <Structure Qty="0002" >
      <LongUnsigned Value="0C00" />
      <DoubleLongUnsigned Value="00000012" />
    </Structure>
  </Array>
</Data>
(25) .desynchronization_listing PASSED
<Data>
  <Structure Qty="0005" >
    <DoubleLongUnsigned Value="00000002" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000011" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
</Data>
(26) .broadcast_frames_counter PASSED
<Data>
  <Array Qty="0003" >
    <Structure Qty="0002" >
      <LongUnsigned Value="0C00" />
      <DoubleLongUnsigned Value="0000000E" />
    </Structure>
    <Structure Qty="0002" >
      <LongUnsigned Value="000F" />
      <DoubleLongUnsigned Value="00000006" />
    </Structure>
    <Structure Qty="0002" >
      <LongUnsigned Value="0007" />
      <DoubleLongUnsigned Value="00000005" />
    </Structure>
  </Array>
</Data>
(27) .repetitions_counter PASSED
<Data>
  <DoubleLongUnsigned Value="00000000" />
</Data>
(28) .transmissions_counter PASSED
<Data>
  <DoubleLongUnsigned Value="00000343" />
</Data>
(29) .CRC_OK_frames_counter PASSED
<Data>
  <DoubleLongUnsigned Value="00000E55" />
</Data>
(30) .CRC_NOK_frames_counter PASSED
<Data>
  <DoubleLongUnsigned Value="00000020" />
</Data>

Mngmt Get S-FSK IEC 61334-4-32 LLC Setup 0-0:26.5.0.255 (@1973)
(31) .logical_name PASSED
<Data>
  <OctetString Value="00001A0500FF" />
</Data>
(32) .max_frame_length PASSED
<Data>
  <Unsigned Value="F2" />
</Data>
(33) .reply_status_list PASSED
<Data>
  <Array Qty="0001" >
    <Structure Qty="0002" >
      <Unsigned Value="00" />
      <Unsigned Value="07" />
    </Structure>
  </Array>
</Data>

Mngmt Get S-FSK Reporting system list 0-0:26.6.0.255 (@1978)
(34) .logical_name INAPPLICABLE
  Optional object is not implemented
(35) .reporting_system_list INAPPLICABLE
  Optional object is not implemented

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

//*****
/* CTI Mikroelektronika MET500 *
/* *
/* FIT #20 *
/* 2017-04-06 *
/* *
//*****

```



```

// Mandatory 'Manufacturer' structure
// *****
Manufacturer = {
// Keep the leading '\' to denote a visible-string.
Name = '\Mikroelektronika'

// The manufacturer's FLAG id is a part of the DUT system title
ThreeLettersId = 'MEL'
}

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

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

// 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 = 12000017
Type = '\MET500'
}

// Mandatory 'ObjectModel' 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)
+ '1-0:15.8.1.255|3,' // Active energy Combined total (|+A|+|-A|) rate 1 (@659)
+ '1-0:15.8.2.255|3,' // Active energy Combined total (|+A|+|-A|) rate 2 (@665)
+ '1-0:15.8.3.255|3,' // Active energy Combined total (|+A|+|-A|) rate 3 (@671)
+ '1-0:15.8.4.255|3' // Active energy Combined total (|+A|+|-A|) rate 4 (@677)

InstanceExtraInfo = {
// Current association (@9)
LogicalName = '0-0:40.0.0.255'
ClassId = 15
AttributeExtraInfo = {
// authentication_mechanism_name
AttributeId = 6
AccessRights = [GET,SET]
}
AttributeExtraInfo = {
// secret
AttributeId = 7
AccessRights = [SET]
SetData = '\<Data><OctetString Value="3132333435363738" /></Data>'
}
}

InstanceExtraInfo = {
// Activity Calendar (@100)
LogicalName = '0-0:13.0.0.255'
ClassId = 20
MethodExtraInfo = {
// activate_passive_calendar
MethodId = 1
AccessRights = [ACTION]
}
}

InstanceExtraInfo = {
// Tariffication script table (@129)
LogicalName = '0-0:10.0.100.255'
ClassId = 9
MethodExtraInfo = {
// execute
MethodId = 1
AccessRights = [ACTION]
}
}

InstanceExtraInfo = {
// Predefined Scripts - MDI reset / end of billing period (@135)

```

```

LogicalName = '0-0:10.0.1.255'
ClassId = 9
AttributeExtraInfo = {
  // scripts
  AttributeId = 2
  AccessRights = [GET]
}
}

InstanceExtraInfo = {
  // End of billing period 1 scheduler (@140)
  LogicalName = '0-0:15.0.0.255'
  ClassId = 22
  AttributeExtraInfo = {
    // type
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Disconnect control scheduler (@158)
  LogicalName = '0-0:15.0.1.255'
  ClassId = 22
  AttributeExtraInfo = {
    // type
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Disconnect 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 = {
  // Fraud Detection Log (@276)
  LogicalName = '0-0:99.98.1.255'
  ClassId = 7

```

```

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

InstanceExtraInfo = {
  // Image transfer activation scheduler (@310)
  LogicalName = '0-0:15.0.2.255'
  ClassId = 22
  AttributeExtraInfo = {
    // type
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // Predefined Scripts - Image activation (@316)
  LogicalName = '0-0:10.0.107.255'
  ClassId = 9
  AttributeExtraInfo = {
    // scripts
    AttributeId = 2
    AccessRights = [GET]
  }
}

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 client channel 1 (@1483)
  LogicalName = '0-1:24.1.0.255'
  ClassId = 72
  MethodExtraInfo = {
    // capture
    MethodId = 3
    AccessRights = [ACTION]
  }
  MethodExtraInfo = {
    // data_send
    MethodId = 6
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus client channel 2 (@1505)
  LogicalName = '0-2:24.1.0.255'
  ClassId = 72
  MethodExtraInfo = {
    // capture
    MethodId = 3
    AccessRights = [ACTION]
  }
  MethodExtraInfo = {
    // data_send
    MethodId = 6
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus client channel 3 (@1527)
  LogicalName = '0-3:24.1.0.255'
  ClassId = 72
  MethodExtraInfo = {
    // capture
    MethodId = 3

```

```

        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // data_send
        MethodId = 6
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus client channel 4 (@1549)
    LogicalName = '0-4:24.1.0.255'
    ClassId = 72
    MethodExtraInfo = {
        // capture
        MethodId = 3
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        // data_send
        MethodId = 6
        AccessRights = [ACTION]
    }
}

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 Disconnect control scheduler (@1823)
    LogicalName = '0-1:15.0.1.255'
    ClassId = 22
    AttributeExtraInfo = {
        // type
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

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 = {
    // S-FSK MAC counters (@1962)
    LogicalName = '0-0:26.3.0.255'
    ClassId = 53
    AttributeExtraInfo = {
        // broadcast_frames_counter
        AttributeId = 4
        AccessRights = [GET,SET]
    }
    AttributeExtraInfo = {
        // repetitions_counter
        AttributeId = 5
        AccessRights = [GET,SET]
    }
}

```



```
+ '      <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 = {
  // 'DisableDiscoveryStart' when true, prevents the iCTT from starting
  // a discovery procedure on the Data Concentrator.
  //DisableDiscoveryStart = FALSE
  // When starting a test session, iCTT optionally starts a discovery and then polls
  // the meters network until it finds the meter specified by ''MeterId''.
  // This polling will last at least the specified time (in ms).
  MeterDiscoveryTimeout = 240000
  DefaultAccessTimeout = 240000
  DefaultPriority = 5
  ConnectDisconnectDelay = 10000
  DCSystemTitle = '4C475A1169000000' //DC at DNV KEMA 4C475A4954000002// FIT DC 4C475A1169000000

  ImageTransfer = {
    ImageIdentifier = '\V030506.39'
    ImageFileName = '\MET500_IDIS1DLM_BOOT_APP_0001D400_V030506.39_2104.bin'
    Timeout = 120000
  }
}

TestOptions = {
}

// Mandatory ''PLCConfig'' structure
// *****
// The PLCConfig is set before each test session. The various members are
// defined in the appropriate document. The values defined hereafter are
// the default values
PLCConfig = {
  AddrMAC = 0xC00
  TimeoutNotAddr = 360
  MaxSubFrames = 7
  TimeUpdatePeriod = 0
  BkgTaskEnabled = 1
  BkgMinDelay = 60
  DiscoverTimeSlots = 20
  ResponseProbability = 100
  MaxCredit = 2
  DiscoverPeriod = 0
  TransmissionGain = 0
  ReceptionGain = 8
  BaudRate = 1
  InputFrequency = 0
  NbComOkDecrCredit = 3
  DecrCredit = 1
  IncrCredit = 2
  MaxRetry = 1
  RepeaterCallEnabled = 0
  RepeaterCallLevel = 1000
  NewBcplTSlotCount = 10
  AlarmMngtEnabled = 0
  AlarmMngtDelay = 0
  AutoDiscoveryPriority = 2
  FCTXValue = 0
}

// 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
    MechanismName = HIGH_LEVEL_SECURITY_GMAC
    Policy = AUTHENTICATION_AND_ENCRYPTION
    Password = '\12345678'
  }

  PreEstablished = {
    Policy = AUTHENTICATION_AND_ENCRYPTION
  }
}

// LocalSecurityElements
// Mandatory, used when making 'local' accesses.
LocalSecurityElements = {
  Public = {
    ContextName = LONG_NAMES
    MechanismName = LOWEST_LEVEL_SECURITY
    Policy = NO_SECURITY
  }

  Management = {
    ContextName = LONG_NAMES_WITH_CIPHERING
    MechanismName = HIGH_LEVEL_SECURITY_GMAC
    Policy = NO_SECURITY
    Password = '\12345678'
  }

  PreEstablished = {
    Policy = NO_SECURITY
  }
}

// Parameters of the 'Local' HDLC Profile
HDLCProfile = {

  PhysicalLayer = {
    // EchoingPort = FALSE
    OpeningMode = DIRECT_HDLC
    HdlcBaud = 9600
  }

  DataLinkLayer = {
    InactivityTimeout = 60000
    InterFrameTimeout = 500
    ResponseTimeout = 10000
    ServerLowerMacAddress = 0x11
    DISCToNDMTimeout = 1000
    AddressingSchemes = [FOUR_BYTES_ADDRESSING]
  }
}
```

```
}  
}  
  
// END CTI_Template  
  
*****  
* Miscellaneous *  
*****  
  
TestMode:           Tunnel  
Test Plan Signature: 31C7F4F1C5A6BC9F64702DA9F7CF857A  
Object Model:       IDIS-S01-005 V1.24 120510 IDIS - object model - FIT-MBUS Tests G350 (CorrectedAndValve status)-20150220.xlsx  
DUT system title:   4D454C6570B71B11  
DC MeterId:         MEL6570B71B11  
Run number:         315  
--  
  
93F929E180D995338C52A9B50A92EA69
```