

Final Interoperability Test Report

FIT #: **13**
 Date: 08.07.2014
 Location: Zug, Switzerland
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APPLICANT

Company: Landis+Gyr

Address: 1 Lysander Drive, Northfields Ind Est, Petborough PE 8FB, Great Britain

DEVICE		
Device type	E450 ZCXi 1x0 xP S2	
<i>Type indication on MID certificate</i>	<i>MID Certificate No.</i>	
E450 IDIS ZCXi 1x0xP xx xx xx.xx S2	SGS EMA 166769	
<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	52	BB465DEAF33A28BA4E72878C01C2EB20
<i>First certification</i>	<i>IDIS Label</i>	<i>Modular device</i>
<input checked="" type="checkbox"/>	0012	<input type="checkbox"/>
<i>General information about the device</i>		

FIRMWARE VERSIONS TESTED				<i>Final Integration Test No. 13</i>
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	Verdict
2	V480400			PASSED

Elster GmbH

Itron

Iskraemeco d.d.

Landis+Gyr AG

Fit #13

Device:E450 ZCXi 1x0 xP S2

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Fit #13

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FIRMWARE VERSIONS HISTORY				Final Integration Test	
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	No.	Verdict
1	V430101			4	PASSED
2	V430400			13	PASSED

TEST REPORT - Firmware No. 1		
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	All device IDs are zero padded. ¹
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

```

*****
IDIS Conformance test report
29-AUG-2012 14:21:30
iCTT Package 1, Edition 1.1, Revision 1 (207)
Licensed to: IDIS Assoc.
Tester: info@idis-association.com
*****

```

```

*****
* Identification *
*****

```

```

Manufacturer = {
  Name = '\Landis+Gyr'
  ThreeLettersId = '\LGZ'
}
DeviceUnderTest = {
  IDISDeviceType = 100
  IDISFunctionType = [EXTENSION_D, EXTENSION_L, EXTENSION_M]
  SerialNr = 1179648
}

```

```

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

```

```

PASSED                193
FAILED                 0
DISABLED              40
INAPPLICABLE          8
INCONCLUSIVE          1
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
(2) Release Public
(3) Connect Management
(4) Release Management

```

PASSED
PASSED
PASSED
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
<pre> <Data> <OctetString Value="00001A0000FF" /> </Data> </pre>	
(2) .initiator_electrical_phase	PASSED
<pre> <Data> <Enum Value="00" /> </Data> </pre>	
(3) .delta_electrical_phase	PASSED
<pre> <Data> <Enum Value="01" /> </Data> </pre>	
(4) .max_receiving_gain	PASSED
<pre> <Data> <Unsigned Value="2A" /> </Data> </pre>	
(5) .max_transmitting_gain	PASSED
<pre> <Data> <Unsigned Value="00" /> </Data> </pre>	
(6) .search_initiator_gain	PASSED
<pre> <Data> <Unsigned Value="0C" /> </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="0009" /> </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="01" /> </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> </pre>	

```

        <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="00000068" />
            </Structure>
        </Array>
    </Data>
(25) .desynchronization_listing PASSED
    <Data>
        <Structure Qty="0005" >
            <DoubleLongUnsigned Value="00000000" />
            <DoubleLongUnsigned Value="00000000" />
            <DoubleLongUnsigned Value="00000064" />
            <DoubleLongUnsigned Value="00000000" />
            <DoubleLongUnsigned Value="00000000" />
        </Structure>
    </Data>
(26) .broadcast_frames_counter PASSED
    <Data>
        <Array Qty="0001" >
            <Structure Qty="0002" >
                <LongUnsigned Value="0C00" />
                <DoubleLongUnsigned Value="00000019" />
            </Structure>
        </Array>
    </Data>
(27) .repetitions_counter PASSED
    <Data>
        <DoubleLongUnsigned Value="00000059" />
    </Data>
(28) .transmissions_counter PASSED
    <Data>
        <DoubleLongUnsigned Value="00000346" />
    </Data>
(29) .CRC_OK_frames_counter PASSED
    <Data>
        <DoubleLongUnsigned Value="0000043A" />
    </Data>
(30) .CRC_NOK_frames_counter PASSED
    <Data>
        <DoubleLongUnsigned Value="00000001" />
    </Data>

```

```

    </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                                     PASSED
    <Data>
    <OctetString Value="00001A0600FF" />
    </Data>
(35) .reporting_system_list                           PASSED
    <Data>
    <Array Qty="0005" >
    <OctetString Value="0000000000000000" />
    <OctetString Value="0000000000000000" />
    <OctetString Value="0000000000000000" />
    <OctetString Value="0000000000000000" />
    <OctetString Value="0000000000000000" />
    </Array>
    </Data>

*****
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="313137393634380000000000000000" />
    </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="446576696365204944203200000000000000000000000000000000000000000000000000000000000000000000000000000" />
    </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="446576696365204944203300000000000000000000000000000000000000000000000000000000000000000000000000000" />
    </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="4465766963652049442034000000000000000000000000000000000000000000000000000000000000000000000000000000000" />
    </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="4465766963652049442035000000000000000000000000000000000000000000000000000000000000000000000000000000000" />
    </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="44657669636520494420360000000000" />
    </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="\LGZ1000701179648" />
    </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="\LGZ1000701179648" />
    </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="\V439901" />
    </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="\DE30CEBE" />
    </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="07DC081FFF0E0000FF8000FF" />
    </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="07DC081F050E0003FF800080" />
    </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" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0106FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0107FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0108FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0109FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF010AFF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0201FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0202FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0203FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0204FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0205FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0206FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0207FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0208FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0209FF" />
  <Unsigned Value="02" />

```

```

</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF020AFF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0301FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0302FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0303FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0304FF" />
  <Unsigned Value="02" />
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  <Unsigned Value="02" />
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  <OctetString Value="FFFF0308FF" />
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<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>
    </Array>
  </_Data>

```

```
<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>
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  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0107FF" />
  <Unsigned Value="02" />
</Structure>
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  <OctetString Value="FFFF0108FF" />
  <Unsigned Value="02" />
</Structure>
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  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0109FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF010AFF" />
  <Unsigned Value="02" />
</Structure>
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  <OctetString Value="FFFF0201FF" />
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</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0202FF" />
  <Unsigned Value="02" />
</Structure>
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  <Unsigned Value="02" />
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  <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" />
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  <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" />
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  <Unsigned Value="02" />
</Structure>
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  <OctetString Value="FFFF0309FF" />
  <Unsigned Value="02" />
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  <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)
(1) .buffer
  entries_in_use: 13
  <Data>
    <DoubleLongUnsigned Value="0000000D" />
  </Data>
capture objects:

```

PASSED

```

<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 13 elements:
<_Data>
  <Array Qty="000D" >
    <Structure Qty="0003" >
      <OctetString Value="07D0010604000005FF800000" />
      <Enum Value="FF" />
      <Long64Unsigned Value="0000000000000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07D0010604000012FF800000" />
      <Enum Value="3E" />
      <Long64Unsigned Value="0000000000000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07D0010604000014FF800000" />
      <Enum Value="3F" />
      <Long64Unsigned Value="0000000000000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07D0010604000014FF800000" />
      <Enum Value="CE" />
      <Long64Unsigned Value="0000000000000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07D0010604000014FF800000" />
      <Enum Value="3B" />
      <Long64Unsigned Value="0000000000000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07D001060400001FFF800000" />
      <Enum Value="3E" />
      <Long64Unsigned Value="0000000000000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07D001060400001FFF800000" />
      <Enum Value="CE" />
      <Long64Unsigned Value="0000000000000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07D0010604000029FF800000" />
      <Enum Value="3F" />
      <Long64Unsigned Value="0000000000000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07D0010604000029FF800000" />
      <Enum Value="CE" />
      <Long64Unsigned Value="0000000000000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07D0010604000029FF800000" />
      <Enum Value="3B" />
      <Long64Unsigned Value="0000000000000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07D0010604000033FF800000" />

```

```

    <Enum Value="3E" />
    <Long64Unsigned Value="0000000000000000" />
  </Structure>
</Structure Qty="0003" >
  <OctetString Value="07D0010604000033FF800000" />
  <Enum Value="CE" />
  <Long64Unsigned Value="0000000000000000" />
</Structure>
</Structure Qty="0003" >
  <OctetString Value="07D0010604000109FF800000" />
  <Enum Value="3F" />
  <Long64Unsigned Value="0000000000000000" />
</Structure>
</Array>
</_Data>
Earliest date: 06-JAN-2000 00:00:05, latest date: 06-JAN-2000 00:01:09
Middle date: 06-JAN-2000 00:00:31

Mngmt Get Standard Event Log 0-0:99.98.0.255 (@261)
(2) .buffer PASSED
  entries_in_use: 181
  <Data>
    <DoubleLongUnsigned Value="000000B5" />
  </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 181 elements:
  <_Data>
    <Array Qty="00B5" >
      <Structure Qty="0002" >
        <OctetString Value="07D001070516222EFF800000" />
        <Enum Value="35" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07D0010705162232FF800000" />
        <Enum Value="04" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DC081D03072A2BFF800000" />
        <Enum Value="05" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DC081D03072A2BFF800000" />
        <Enum Value="CA" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DC081D03072A2BFF800000" />
        <Enum Value="FE" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DC081D03072A2BFF800000" />
        <Enum Value="FE" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DC081D03072A35FF800000" />
        <Enum Value="35" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DC081D03072D39FF800000" />
        <Enum Value="35" />
      </Structure>
    </Array>
  </_Data>
  <Structure Qty="0002" >

```

```

    <OctetString Value="07DC081D03072E02FF800000" />
    <Enum Value="35" />
  </Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03072E15FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03072E1CFF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03072E22FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03072E2AFF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03072E2EFF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03072E36FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03072E3AFF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03072F07FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03072F13FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03072F1AFF800000" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03073B00FF800000" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03080105FF800000" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03083B00FF800000" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03083B39FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03083B3AFF800000" />
  <Enum Value="04" />
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<Structure Qty="0002" >
  <OctetString Value="07DC081D0307321EFF800000" />
  <Enum Value="05" />
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  <OctetString Value="07DC081D03073221FF800000" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03073B00FF800000" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03080105FF800000" />

```



```

    <Enum Value="04" />
  </Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03083B00FF800000" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03090105FF800000" />
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</Structure>
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  <OctetString Value="07DC081D03093B00FF800000" />
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  <OctetString Value="07DC081D030B0105FF800000" />
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<Structure Qty="0002" >
  <OctetString Value="07DC08140108031FFF800000" />
  <Enum Value="04" />

```

```

</Structure>
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  <OctetString Value="07DC08170408031FFF800000" />
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  <Enum Value="05" />
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```

```

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    <OctetString Value="07DC081D03090134FF800000" />
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    <Enum Value="35" />
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</Structure>
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</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03170028FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D0317010AFF800000" />
  <Enum Value="35" />
</Structure>

```

```

<Structure Qty="0002" >
  <OctetString Value="07DC081D0317010DFF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03170135FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03170601FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03170628FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03170635FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D0317072FFF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03170809FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03170823FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D0317090FFF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03170913FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03170917FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03170935FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03170A33FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03170A3BFF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03170B01FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03170B04FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03170B2EFF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D0317150EFF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03171525FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >

```

```

    <OctetString Value="07DC081D03171617FF800000" />
    <Enum Value="35" />
  </Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03171918FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03171929FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03172723FF800000" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D0317272BFF800000" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081D03172C21FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081E0400043AFF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081E04000503FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081E04000524FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081E04000535FF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081E04021F38FF800000" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081E04022000FF800000" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081E04022339FF800000" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081F050D0000FF800000" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081F050D0000FF800000" />
  <Enum Value="CA" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081F050D320BFF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081F050D320FFF800000" />
  <Enum Value="35" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081F050D3735FF800000" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC081F050D0000FF800000" />
  <Enum Value="05" />
</Structure>
</Array>
</_Data>

```


Earliest date: 07-JAN-2000 22:34:46, latest date: 31-AUG-2012 13:55:53
 Middle date: 29-AUG-2012 07:18:32

Mngmt Get Fraud Detection Log 0-0:99.98.1.255 (@276)

(3) .buffer

PASSED

entries_in_use: 15

```
<Data>
  <DoubleLongUnsigned Value="0000000F" />
</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 15 elements:

```
<_Data>
  <Array Qty="000F" >
    <Structure Qty="0002" >
      <OctetString Value="07D0010604000635FF800000" />
      <Enum Value="FF" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07D0010604000738FF800000" />
      <Enum Value="29" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07D0010604000738FF800000" />
      <Enum Value="28" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07D0010604000739FF800000" />
      <Enum Value="29" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07D001060400073AFF800000" />
      <Enum Value="28" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07D001060400073BFF800000" />
      <Enum Value="29" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07D001060400073BFF800000" />
      <Enum Value="28" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07D0010604000800FF800000" />
      <Enum Value="29" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07D0010604000800FF800000" />
      <Enum Value="28" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07D0010604000801FF800000" />
      <Enum Value="29" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07D0010604000801FF800000" />
      <Enum Value="28" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07D0010604000802FF800000" />
      <Enum Value="29" />
    </Structure>
  </Array>
```

```

<Structure Qty="0002" >
  <OctetString Value="07D0010604000803FF800000" />
  <Enum Value="28" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07D0010604000804FF800000" />
  <Enum Value="29" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07D0010604000804FF800000" />
  <Enum Value="28" />
</Structure>
</Array>
</_Data>
Earliest date: 06-JAN-2000 00:06:53, latest date: 06-JAN-2000 00:08:04
Middle date: 06-JAN-2000 00:08:00

```

Mngmt Get Power Quality Log 0-0:99.98.4.255 (@1249)

(4) .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="0000600B04FF" />
      <Integer Value="02" />
      <LongUnsigned Value="0000" />
    </Structure>
  </Array>
</Data>

```

Buffer has 7 elements:

```

<Data>
  <Array Qty="0007" >
    <Structure Qty="0002" >
      <OctetString Value="07D001060400010DFF800000" />
      <Enum Value="FF" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07D0010604000114FF800000" />
      <Enum Value="4F" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07D001060400011CFF800000" />
      <Enum Value="55" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07D0010604000124FF800000" />
      <Enum Value="4F" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07D001060400012DFF800000" />
      <Enum Value="55" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07D0010604000135FF800000" />
      <Enum Value="4F" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07D0010604000201FF800000" />
      <Enum Value="55" />
    </Structure>
  </Array>
</Data>

```

Earliest date: 06-JAN-2000 00:01:13, latest date: 06-JAN-2000 00:02:01
Middle date: 06-JAN-2000 00:01:36

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
  entries_in_use: 16
  <Data>
    <DoubleLongUnsigned Value="00000010" />
  </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 16 elements:
  <_Data>
    <Array Qty="0010" >
      <Structure Qty="0005" >
        <OctetString Value="07D0010207000000FF800000" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0005" >
        <OctetString Value="07D0010301000000FF800000" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0005" >
        <OctetString Value="07D0010402000000FF800000" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0005" >
        <OctetString Value="07D0010503000000FF800000" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0005" >
        <OctetString Value="07D0010604000000FF800000" />

```

```

<DoubleLongUnsigned Value="00000000" />
<DoubleLongUnsigned Value="00000000" />
<DoubleLongUnsigned Value="00000000" />
<DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07DC08140108030FFF800000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07DC08150208030FFF800000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07DC08160308030FFF800000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07DC08170408030FFF800000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07DC08180508030FFF800000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07DC08190608030FFF800000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07DC081A0708030FFF800000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07DC081B0108030FFF800000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07DC081C0208030FFF800000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07DC081D03170000FF800000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07DC081F050D0000FF800000" />

```

```

        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
    </Structure>
</Array>
</_Data>
Earliest date: 02-JAN-2000 00:00:00, latest date: 31-AUG-2012 13:00:00
Middle date: 23-AUG-2012 08:03:15

*****
Test Case 14 : MBUS Libra Ref test, 130 item(s)
*****

Mngmt Get M-Bus client channel 1 0-1:24.1.0.255 (@1483)
(1) .mbus_port_reference PASSED
    <Data>
        <OctetString Value="0000180600FF" />
    </Data>
(2) .capture_definition PASSED
    <Data>
        <Array Qty="0004" >
            <Structure Qty="0002" >
                <OctetString Value="\L" />
                <OctetString Value="933A" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="\L" />
                <OctetString Value="13" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="" />
                <OctetString Value="" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="" />
                <OctetString Value="" />
            </Structure>
        </Array>
    </Data>
(3) .capture_period PASSED
    <Data>
        <DoubleLongUnsigned Value="00000E10" />
    </Data>
(4) .primary_address PASSED
    <Data>
        <Unsigned Value="01" />
    </Data>
(5) .identification_number PASSED
    <Data>
        <DoubleLongUnsigned Value="0002D277" />
    </Data>
(6) .manufacturer_id PASSED
    <Data>
        <LongUnsigned Value="19AC" />
    </Data>
(7) .version PASSED
    <Data>
        <Unsigned Value="02" />
    </Data>
(8) .device_type PASSED
    <Data>
        <Unsigned Value="03" />
    </Data>
(9) .access_number PASSED
    <Data>
        <Unsigned Value="55" />
    </Data>
(10) .status PASSED
    <Data>
        <Unsigned Value="60" />
    </Data>
(11) .alarm PASSED
    <Data>
        <Unsigned Value="00" />
    </Data>

```

```

Mngmt Get M-Bus client channel 2 0-2:24.1.0.255 (@1505)
(12) .mbus_port_reference                                     PASSED
    <Data>
        <OctetString Value="0000180600FF" />
    </Data>
(13) .capture_definition                                    PASSED
    <Data>
        <Array Qty="0004" >
            <Structure Qty="0002" >
                <OctetString Value="\L" />
                <OctetString Value="933A" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="\L" />
                <OctetString Value="13" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="\ " />
                <OctetString Value="\ " />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="\ " />
                <OctetString Value="\ " />
            </Structure>
        </Array>
    </Data>
(14) .capture_period                                       PASSED
    <Data>
        <DoubleLongUnsigned Value="00000E10" />
    </Data>
(15) .primary_address                                     PASSED
    <Data>
        <Unsigned Value="02" />
    </Data>
(16) .identification_number                               PASSED
    <Data>
        <DoubleLongUnsigned Value="0002D278" />
    </Data>
(17) .manufacturer_id                                    PASSED
    <Data>
        <LongUnsigned Value="19AC" />
    </Data>
(18) .version                                             PASSED
    <Data>
        <Unsigned Value="02" />
    </Data>
(19) .device_type                                         PASSED
    <Data>
        <Unsigned Value="03" />
    </Data>
(20) .access_number                                       PASSED
    <Data>
        <Unsigned Value="53" />
    </Data>
(21) .status                                              PASSED
    <Data>
        <Unsigned Value="40" />
    </Data>
(22) .alarm                                                PASSED
    <Data>
        <Unsigned Value="00" />
    </Data>

Mngmt Get M-Bus client channel 3 0-3:24.1.0.255 (@1527)
(23) .mbus_port_reference                                     PASSED
    <Data>
        <OctetString Value="0000180600FF" />
    </Data>
(24) .capture_definition                                    PASSED
    <Data>
        <Array Qty="0004" >
            <Structure Qty="0002" >
                <OctetString Value="\L" />
                <OctetString Value="933A" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="\L" />

```

```

        <OctetString Value="13" />
    </Structure>
    <Structure Qty="0002" >
        <OctetString Value="" />
        <OctetString Value="" />
    </Structure>
    <Structure Qty="0002" >
        <OctetString Value="" />
        <OctetString Value="" />
    </Structure>
</Array>
</Data>
(25) .capture_period PASSED
    <Data>
        <DoubleLongUnsigned Value="00000E10" />
    </Data>
(26) .primary_address PASSED
    <Data>
        <Unsigned Value="03" />
    </Data>
(27) .identification_number PASSED
    <Data>
        <DoubleLongUnsigned Value="0002D279" />
    </Data>
(28) .manufacturer_id PASSED
    <Data>
        <LongUnsigned Value="19AC" />
    </Data>
(29) .version PASSED
    <Data>
        <Unsigned Value="02" />
    </Data>
(30) .device_type PASSED
    <Data>
        <Unsigned Value="03" />
    </Data>
(31) .access_number PASSED
    <Data>
        <Unsigned Value="55" />
    </Data>
(32) .status PASSED
    <Data>
        <Unsigned Value="40" />
    </Data>
(33) .alarm PASSED
    <Data>
        <Unsigned Value="00" />
    </Data>

Mngmt Get M-Bus client channel 4 0-4:24.1.0.255 (@1549)
(34) .mbus_port_reference PASSED
    <Data>
        <OctetString Value="0000180600FF" />
    </Data>
(35) .capture_definition PASSED
    <Data>
        <Array Qty="0004" >
            <Structure Qty="0002" >
                <OctetString Value="\L" />
                <OctetString Value="933A" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="\L" />
                <OctetString Value="13" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="" />
                <OctetString Value="" />
            </Structure>
            <Structure Qty="0002" >
                <OctetString Value="" />
                <OctetString Value="" />
            </Structure>
        </Array>
    </Data>
(36) .capture_period PASSED
    <Data>

```

```

        <DoubleLongUnsigned Value="00000E10" />
    </Data>
(37) .primary_address PASSED
    <Data>
        <Unsigned Value="04" />
    </Data>
(38) .identification_number PASSED
    <Data>
        <DoubleLongUnsigned Value="0002D27A" />
    </Data>
(39) .manufacturer_id PASSED
    <Data>
        <LongUnsigned Value="19AC" />
    </Data>
(40) .version PASSED
    <Data>
        <Unsigned Value="02" />
    </Data>
(41) .device_type PASSED
    <Data>
        <Unsigned Value="03" />
    </Data>
(42) .access_number PASSED
    <Data>
        <Unsigned Value="53" />
    </Data>
(43) .status PASSED
    <Data>
        <Unsigned Value="40" />
    </Data>
(44) .alarm PASSED
    <Data>
        <Unsigned Value="00" />
    </Data>

Mngmt Get M-Bus Value channel 1, instance 1 0-1:24.2.1.255 (@1571)
(45) .value PASSED
    <Data>
        <DoubleLongUnsigned Value="05F5DD1A" />
    </Data>
(46) .scaler_unit PASSED
    <Data>
        <Structure Qty="0002" >
            <Integer Value="FD" />
            <Enum Value="0D" />
        </Structure>
    </Data>
(47) .status PASSED
    <Data>
        <Unsigned Value="20" />
    </Data>

Mngmt Get M-Bus Value channel 1, instance 2 0-1:24.2.2.255 (@1579)
(49) .value PASSED
    <Data>
        <DoubleLongUnsigned Value="000004AE" />
    </Data>
(50) .scaler_unit PASSED
    <Data>
        <Structure Qty="0002" >
            <Integer Value="FD" />
            <Enum Value="0E" />
        </Structure>
    </Data>
(51) .status PASSED
    <Data>
        <Unsigned Value="20" />
    </Data>

Mngmt Get M-Bus Value channel 2, instance 1 0-2:24.2.1.255 (@1603)
(61) .value PASSED
    <Data>
        <DoubleLongUnsigned Value="05F5DD1B" />
    </Data>
(62) .scaler_unit PASSED
    <Data>
        <Structure Qty="0002" >

```



```

        <Integer Value="FD" />
        <Enum Value="0D" />
    </Structure>
</Data>
(63) .status PASSED
    <Data>
        <Unsigned Value="20" />
    </Data>

Mngmt Get M-Bus Value channel 2, instance 2 0-2:24.2.2.255 (@1611)
(65) .value PASSED
    <Data>
        <DoubleLongUnsigned Value="000004BA" />
    </Data>
(66) .scaler_unit PASSED
    <Data>
        <Structure Qty="0002" >
            <Integer Value="FD" />
            <Enum Value="0E" />
        </Structure>
    </Data>
(67) .status PASSED
    <Data>
        <Unsigned Value="20" />
    </Data>

Mngmt Get M-Bus Value channel 3, instance 1 0-3:24.2.1.255 (@1635)
(77) .value PASSED
    <Data>
        <DoubleLongUnsigned Value="05F5DD21" />
    </Data>
(78) .scaler_unit PASSED
    <Data>
        <Structure Qty="0002" >
            <Integer Value="FD" />
            <Enum Value="0D" />
        </Structure>
    </Data>
(79) .status PASSED
    <Data>
        <Unsigned Value="20" />
    </Data>

Mngmt Get M-Bus Value channel 3, instance 2 0-3:24.2.2.255 (@1643)
(81) .value PASSED
    <Data>
        <DoubleLongUnsigned Value="000004C2" />
    </Data>
(82) .scaler_unit PASSED
    <Data>
        <Structure Qty="0002" >
            <Integer Value="FD" />
            <Enum Value="0E" />
        </Structure>
    </Data>
(83) .status PASSED
    <Data>
        <Unsigned Value="20" />
    </Data>

Mngmt Get M-Bus Value channel 4, instance 1 0-4:24.2.1.255 (@1667)
(93) .value PASSED
    <Data>
        <DoubleLongUnsigned Value="05F5DD18" />
    </Data>
(94) .scaler_unit PASSED
    <Data>
        <Structure Qty="0002" >
            <Integer Value="FD" />
            <Enum Value="0D" />
        </Structure>
    </Data>
(95) .status PASSED
    <Data>
        <Unsigned Value="20" />
    </Data>

```



```

</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 30 elements:
<_Data>
  <Array Qty="001E" >
    <Structure Qty="0006" >
      <OctetString Value="07DC08130790000FF800000" />
      <Unsigned Value="14" />
      <DoubleLongUnsigned Value="05F5DD1A" />
      <DoubleLongUnsigned Value="000004AE" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DC081401080000FF800000" />
      <Unsigned Value="04" />
      <DoubleLongUnsigned Value="05F5DD1A" />
      <DoubleLongUnsigned Value="000004AE" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DC081401090000FF800000" />
      <Unsigned Value="14" />
      <DoubleLongUnsigned Value="05F5DD1A" />
      <DoubleLongUnsigned Value="000004AE" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DC081502080000FF800000" />
      <Unsigned Value="04" />
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      <DoubleLongUnsigned Value="000004AE" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DC081502090000FF800000" />
      <Unsigned Value="14" />
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      <DoubleLongUnsigned Value="000004AE" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
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      <Unsigned Value="04" />
      <DoubleLongUnsigned Value="05F5DD1A" />
      <DoubleLongUnsigned Value="000004AE" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DC081603090000FF800000" />
      <Unsigned Value="14" />
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      <DoubleLongUnsigned Value="000004AE" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DC081704080000FF800000" />
      <Unsigned Value="04" />

```

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<DoubleLongUnsigned Value="05F5DD1A" />
<DoubleLongUnsigned Value="000004AE" />
<DoubleLongUnsigned Value="00000000" />
<DoubleLongUnsigned Value="00000000" />
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  <Unsigned Value="14" />
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  <DoubleLongUnsigned Value="000004AE" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
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  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD1A" />
  <DoubleLongUnsigned Value="000004AE" />
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  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
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  <DoubleLongUnsigned Value="05F5DD1A" />
  <DoubleLongUnsigned Value="000004AE" />
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  <DoubleLongUnsigned Value="00000000" />
</Structure>
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  <DoubleLongUnsigned Value="000004AE" />
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  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
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  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD1A" />
  <DoubleLongUnsigned Value="000004AE" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081A07080000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD1A" />
  <DoubleLongUnsigned Value="000004AE" />
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  <DoubleLongUnsigned Value="00000000" />
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  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD1A" />
  <DoubleLongUnsigned Value="000004AE" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
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  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD1A" />
  <DoubleLongUnsigned Value="000004AE" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081B01090000FF800000" />
  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD1A" />
  <DoubleLongUnsigned Value="000004AE" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
</Structure>

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<Structure Qty="0006" >
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  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD1A" />
  <DoubleLongUnsigned Value="000004AE" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
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  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD1A" />
  <DoubleLongUnsigned Value="000004AE" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081D03050000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD1A" />
  <DoubleLongUnsigned Value="000004AE" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081D03060000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD1A" />
  <DoubleLongUnsigned Value="000004AE" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
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  <DoubleLongUnsigned Value="000004AE" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
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  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD1A" />
  <DoubleLongUnsigned Value="000004AE" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
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  <DoubleLongUnsigned Value="05F5DD1A" />
  <DoubleLongUnsigned Value="000004AE" />
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  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
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  <DoubleLongUnsigned Value="05F5DD1A" />
  <DoubleLongUnsigned Value="000004AE" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
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  <DoubleLongUnsigned Value="00000000" />
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<Structure Qty="0006" >
  <OctetString Value="07DC081D03170000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD1A" />
  <DoubleLongUnsigned Value="000004AE" />

```

```

    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081E04020000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD1A" />
    <DoubleLongUnsigned Value="000004AE" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081E04030000FF800000" />
    <Unsigned Value="14" />
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    <DoubleLongUnsigned Value="000004AE" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081F050D0000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD1A" />
    <DoubleLongUnsigned Value="000004AE" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
</Array>
</_Data>
Earliest date: 19-AUG-2012 09:00:00, latest date: 31-AUG-2012 13:00:00
Middle date: 27-AUG-2012 08:00:00
(114) .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>
(115) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000E10" />
  </Data>
(116) .entries in use PASSED

```

```

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

Mngmt Get M-Bus Master Load profile for channel 2 0-2:24.3.0.255 (@1758)
(117) .buffer
entries_in_use: 30
  <Data>
    <DoubleLongUnsigned Value="0000001E" />
  </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 30 elements:
  <_Data>
    <Array Qty="001E" >
      <Structure Qty="0006" >
        <OctetString Value="07DC081307090000FF800000" />
        <Unsigned Value="14" />
        <DoubleLongUnsigned Value="05F5DD1B" />
        <DoubleLongUnsigned Value="000004BA" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07DC081401080000FF800000" />
        <Unsigned Value="04" />
        <DoubleLongUnsigned Value="05F5DD1B" />
        <DoubleLongUnsigned Value="000004BA" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07DC081401090000FF800000" />
        <Unsigned Value="14" />
        <DoubleLongUnsigned Value="05F5DD1B" />
        <DoubleLongUnsigned Value="000004BA" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
    </Array>
  </_Data>

```

```

</Structure>
<Structure Qty="0006" >
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  <DoubleLongUnsigned Value="000004BA" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081502090000FF800000" />
  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD1B" />
  <DoubleLongUnsigned Value="000004BA" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
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  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD1B" />
  <DoubleLongUnsigned Value="000004BA" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081603090000FF800000" />
  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD1B" />
  <DoubleLongUnsigned Value="000004BA" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
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  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD1B" />
  <DoubleLongUnsigned Value="000004BA" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081704090000FF800000" />
  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD1B" />
  <DoubleLongUnsigned Value="000004BA" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081805080000FF800000" />
  <Unsigned Value="04" />
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  <DoubleLongUnsigned Value="00000000" />
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  <DoubleLongUnsigned Value="000004BA" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
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  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD1B" />
  <DoubleLongUnsigned Value="000004BA" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081906090000FF800000" />
  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD1B" />

```



```

    <DoubleLongUnsigned Value="000004BA" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081A07080000FF800000" />
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    <DoubleLongUnsigned Value="05F5DD1B" />
    <DoubleLongUnsigned Value="000004BA" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081A07090000FF800000" />
    <Unsigned Value="14" />
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    <DoubleLongUnsigned Value="000004BA" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
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  <Structure Qty="0006" >
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    <DoubleLongUnsigned Value="000004BA" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
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    <DoubleLongUnsigned Value="000004BA" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
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    <DoubleLongUnsigned Value="05F5DD1B" />
    <DoubleLongUnsigned Value="000004BA" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081C02090000FF800000" />
    <Unsigned Value="14" />
    <DoubleLongUnsigned Value="05F5DD1B" />
    <DoubleLongUnsigned Value="000004BA" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
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    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD1B" />
    <DoubleLongUnsigned Value="000004BA" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
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    <DoubleLongUnsigned Value="000004BA" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
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    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD1B" />
    <DoubleLongUnsigned Value="000004BA" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >

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    <OctetString Value="07DC081D03080000FF800000" />
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  <DoubleLongUnsigned Value="000004BA" />
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  <OctetString Value="07DC081D030A0000FF800000" />
  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD1B" />
  <DoubleLongUnsigned Value="000004BA" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
</Structure Qty="0006" >
  <OctetString Value="07DC081D03160000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD1B" />
  <DoubleLongUnsigned Value="000004BA" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
</Structure Qty="0006" >
  <OctetString Value="07DC081D03170000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD1B" />
  <DoubleLongUnsigned Value="000004BA" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
</Structure Qty="0006" >
  <OctetString Value="07DC081E04020000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD1B" />
  <DoubleLongUnsigned Value="000004BA" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
</Structure Qty="0006" >
  <OctetString Value="07DC081E04030000FF800000" />
  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD1B" />
  <DoubleLongUnsigned Value="000004BA" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
</Structure Qty="0006" >
  <OctetString Value="07DC081F050D0000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD1B" />
  <DoubleLongUnsigned Value="000004BA" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
</Array>
</_Data>
Earliest date: 19-AUG-2012 09:00:00, latest date: 31-AUG-2012 13:00:00
Middle date: 27-AUG-2012 08:00:00
(118) .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>
(119) .capture_period PASSED
    <Data>
    <DoubleLongUnsigned Value="00000E10" />
    </Data>
(120) .entries_in_use PASSED
    <Data>
    <DoubleLongUnsigned Value="0000001E" />
    </Data>

Mngmt Get M-Bus Master Load profile for channel 3 0-3:24.3.0.255 (@1769)
(121) .buffer PASSED
    entries_in_use: 30
    <Data>
    <DoubleLongUnsigned Value="0000001E" />
    </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" />
    </Structure>
    </Array>
    </Data>

```

```

    <LongUnsigned Value="0000" />
  </Structure>
  <Structure Qty="0004" >
    <LongUnsigned Value="0004" />
    <OctetString Value="0003180204FF" />
    <Integer Value="02" />
    <LongUnsigned Value="0000" />
  </Structure>
</Array>
</Data>
Buffer has 30 elements:
<_Data>
  <Array Qty="001E" >
    <Structure Qty="0006" >
      <OctetString Value="07DC081307090000FF800000" />
      <Unsigned Value="14" />
      <DoubleLongUnsigned Value="05F5DD21" />
      <DoubleLongUnsigned Value="000004C2" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DC081401080000FF800000" />
      <Unsigned Value="04" />
      <DoubleLongUnsigned Value="05F5DD21" />
      <DoubleLongUnsigned Value="000004C2" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DC081401090000FF800000" />
      <Unsigned Value="14" />
      <DoubleLongUnsigned Value="05F5DD21" />
      <DoubleLongUnsigned Value="000004C2" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DC081502080000FF800000" />
      <Unsigned Value="04" />
      <DoubleLongUnsigned Value="05F5DD21" />
      <DoubleLongUnsigned Value="000004C2" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DC081502090000FF800000" />
      <Unsigned Value="14" />
      <DoubleLongUnsigned Value="05F5DD21" />
      <DoubleLongUnsigned Value="000004C2" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DC081603080000FF800000" />
      <Unsigned Value="04" />
      <DoubleLongUnsigned Value="05F5DD21" />
      <DoubleLongUnsigned Value="000004C2" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DC081603090000FF800000" />
      <Unsigned Value="14" />
      <DoubleLongUnsigned Value="05F5DD21" />
      <DoubleLongUnsigned Value="000004C2" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DC081704080000FF800000" />
      <Unsigned Value="04" />
      <DoubleLongUnsigned Value="05F5DD21" />
      <DoubleLongUnsigned Value="000004C2" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
  </Array>

```

```

<Structure Qty="0006" >
  <OctetString Value="07DC081704090000FF800000" />
  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD21" />
  <DoubleLongUnsigned Value="000004C2" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081805080000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD21" />
  <DoubleLongUnsigned Value="000004C2" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081805090000FF800000" />
  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD21" />
  <DoubleLongUnsigned Value="000004C2" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081906080000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD21" />
  <DoubleLongUnsigned Value="000004C2" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081906090000FF800000" />
  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD21" />
  <DoubleLongUnsigned Value="000004C2" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081A07080000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD21" />
  <DoubleLongUnsigned Value="000004C2" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081A07090000FF800000" />
  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD21" />
  <DoubleLongUnsigned Value="000004C2" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081B01080000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD21" />
  <DoubleLongUnsigned Value="000004C2" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081B01090000FF800000" />
  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD21" />
  <DoubleLongUnsigned Value="000004C2" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081C02080000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD21" />
  <DoubleLongUnsigned Value="000004C2" />

```

```

    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081C02090000FF800000" />
    <Unsigned Value="14" />
    <DoubleLongUnsigned Value="05F5DD21" />
    <DoubleLongUnsigned Value="000004C2" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081D03050000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD21" />
    <DoubleLongUnsigned Value="000004C2" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081D03060000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD21" />
    <DoubleLongUnsigned Value="000004C2" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081D03070000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD21" />
    <DoubleLongUnsigned Value="000004C2" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081D03080000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD21" />
    <DoubleLongUnsigned Value="000004C2" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081D03090000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD21" />
    <DoubleLongUnsigned Value="000004C2" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081D030A0000FF800000" />
    <Unsigned Value="14" />
    <DoubleLongUnsigned Value="05F5DD21" />
    <DoubleLongUnsigned Value="000004C2" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081D03160000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD21" />
    <DoubleLongUnsigned Value="000004C2" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081D03170000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD21" />
    <DoubleLongUnsigned Value="000004C2" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081E04020000FF800000" />

```

```

    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD21" />
    <DoubleLongUnsigned Value="000004C2" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081E04030000FF800000" />
    <Unsigned Value="14" />
    <DoubleLongUnsigned Value="05F5DD21" />
    <DoubleLongUnsigned Value="000004C2" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081F050D0000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD21" />
    <DoubleLongUnsigned Value="000004C2" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
</Array>
</_Data>
  Earliest date: 19-AUG-2012 09:00:00, latest date: 31-AUG-2012 13:00:00
  Middle date: 27-AUG-2012 08:00:00
(122) .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>
(123) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000E10" />
  </Data>
(124) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="0000001E" />
  </Data>

```

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

```

(125) .buffer                                     PASSED
  entries_in_use: 30
  <Data>
    <DoubleLongUnsigned Value="0000001E" />
  </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 30 elements:
  <_Data>
    <Array Qty="001E" >
      <Structure Qty="0006" >
        <OctetString Value="07DC081307090000FF800000" />
        <Unsigned Value="14" />
        <DoubleLongUnsigned Value="05F5DD18" />
        <DoubleLongUnsigned Value="000004AF" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07DC081401080000FF800000" />
        <Unsigned Value="04" />
        <DoubleLongUnsigned Value="05F5DD18" />
        <DoubleLongUnsigned Value="000004AF" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07DC081401090000FF800000" />
        <Unsigned Value="14" />
        <DoubleLongUnsigned Value="05F5DD18" />
        <DoubleLongUnsigned Value="000004AF" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07DC081502080000FF800000" />
        <Unsigned Value="04" />
        <DoubleLongUnsigned Value="05F5DD18" />

```



```

    <DoubleLongUnsigned Value="000004AF" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081502090000FF800000" />
  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD18" />
  <DoubleLongUnsigned Value="000004AF" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081603080000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD18" />
  <DoubleLongUnsigned Value="000004AF" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081603090000FF800000" />
  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD18" />
  <DoubleLongUnsigned Value="000004AF" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081704080000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD18" />
  <DoubleLongUnsigned Value="000004AF" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081704090000FF800000" />
  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD18" />
  <DoubleLongUnsigned Value="000004AF" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081805080000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD18" />
  <DoubleLongUnsigned Value="000004AF" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081805090000FF800000" />
  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD18" />
  <DoubleLongUnsigned Value="000004AF" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081906080000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD18" />
  <DoubleLongUnsigned Value="000004AF" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081906090000FF800000" />
  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD18" />
  <DoubleLongUnsigned Value="000004AF" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >

```

```

<OctetString Value="07DC081A07080000FF800000" />
<Unsigned Value="04" />
<DoubleLongUnsigned Value="05F5DD18" />
<DoubleLongUnsigned Value="000004AF" />
<DoubleLongUnsigned Value="00000000" />
<DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081A07090000FF800000" />
  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD18" />
  <DoubleLongUnsigned Value="000004AF" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081B01080000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD18" />
  <DoubleLongUnsigned Value="000004AF" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081B01090000FF800000" />
  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD18" />
  <DoubleLongUnsigned Value="000004AF" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081C02080000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD18" />
  <DoubleLongUnsigned Value="000004AF" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081C02090000FF800000" />
  <Unsigned Value="14" />
  <DoubleLongUnsigned Value="05F5DD18" />
  <DoubleLongUnsigned Value="000004AF" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081D03050000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD18" />
  <DoubleLongUnsigned Value="000004AF" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081D03060000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD18" />
  <DoubleLongUnsigned Value="000004AF" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081D03070000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD18" />
  <DoubleLongUnsigned Value="000004AF" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DC081D03080000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD18" />
  <DoubleLongUnsigned Value="000004AF" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />

```

```

    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081D03090000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD18" />
    <DoubleLongUnsigned Value="000004AF" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081D030A0000FF800000" />
    <Unsigned Value="14" />
    <DoubleLongUnsigned Value="05F5DD18" />
    <DoubleLongUnsigned Value="000004AF" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081D03160000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD18" />
    <DoubleLongUnsigned Value="000004AF" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081D03170000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD18" />
    <DoubleLongUnsigned Value="000004AF" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081E04020000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD18" />
    <DoubleLongUnsigned Value="000004AF" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081E04030000FF800000" />
    <Unsigned Value="14" />
    <DoubleLongUnsigned Value="05F5DD18" />
    <DoubleLongUnsigned Value="000004AF" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DC081F050D0000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD18" />
    <DoubleLongUnsigned Value="000004AF" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
</Array>
</_Data>
Earliest date: 19-AUG-2012 09:00:00, latest date: 31-AUG-2012 13:00:00
Middle date: 27-AUG-2012 08:00:00
(126) .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>
    </Array>
  </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>
(127) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000E10" />
  </Data>
(128) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="0000001E" />
  </Data>

Mngmt Get M-Bus Event Log 0-0:99.98.3.255 (@1898)
(129) .buffer INCONCLUSIVE
  entries_in_use: 2
  <Data>
    <DoubleLongUnsigned Value="00000002" />
  </Data>
  Too few buffer entries (2), required 5
(130) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="00000002" />
  </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="00" />
  </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="0C" />
  </Data>
(7) .frequencies PASSED

```

```

    <Data>
      <Structure Qty="0002" >
        <DoubleLongUnsigned Value="0000F744" />
        <DoubleLongUnsigned Value="00012110" />
      </Structure>
    </Data>
(8) .mac_address PASSED
    <Data>
      <LongUnsigned Value="0009" />
    </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="01" />
    </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="00000068" />
        </Structure>
      </Array>
    </Data>
(25) .desynchronization_listing PASSED
    <Data>
      <Structure Qty="0005" >
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000064" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
    </Data>
(26) .broadcast_frames_counter PASSED
    <Data>
      <Array Qty="0001" >
        <Structure Qty="0002" >
          <LongUnsigned Value="0C00" />
          <DoubleLongUnsigned Value="00000019" />
        </Structure>
      </Array>
    </Data>
(27) .repetitions_counter PASSED
    <Data>
      <DoubleLongUnsigned Value="00000077" />
    </Data>
(28) .transmissions_counter PASSED
    <Data>
      <DoubleLongUnsigned Value="0000047B" />
    </Data>
(29) .CRC_OK_frames_counter PASSED
    <Data>
      <DoubleLongUnsigned Value="000007E0" />
    </Data>
(30) .CRC_NOK_frames_counter PASSED
    <Data>
      <DoubleLongUnsigned Value="00000001" />
    </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 PASSED
    <Data>
      <OctetString Value="00001A0600FF" />
    </Data>

```

```

</Data>
(35) .reporting_system_list PASSED
<Data>
  <Array Qty="0005" >
    <OctetString Value="0000000000000000" />
    <OctetString Value="0000000000000000" />
    <OctetString Value="0000000000000000" />
    <OctetString Value="0000000000000000" />
    <OctetString Value="0000000000000000" />
  </Array>
</Data>

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

// Conformance Test Information (CTI) - FIT 29-08-2012

// The CTI has a specified syntax but it's format is free

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

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

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

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

  // The serial number of the DUT is pa part of its syste title.
  SerialNr = 1179648

}

// Optional ''TestOptions''
TestOptions = {
}

// Mandatory ''ObjectMode'' structure
// *****
// It defines the variant of the object model that the iCTT uses for testing.
ObjectModel = {
  // Optional objects implemented
  OptionalObjects = '\
+ '1-0:0.9.1.255|1,' // Local Time (@86)
+ '1-0:0.9.2.255|1,' // Local Date (@90)
+ '0-2:96.3.10.255|70,' // Load Mgmt - Relay control 2 (@205)
+ '1-0:9.8.0.255|3,' // Apparent energy import (+VA) (QI+QIV) (@406)
+ '1-0:10.8.0.255|3,' // Apparent energy export (-VA) (QII+QIII) (@412)
+ '1-0:5.8.1.255|3,' // Reactive energy (QI) rate 1 (@515)
+ '1-0:5.8.2.255|3,' // Reactive energy (QI) rate 2 (@521)
+ '1-0:5.8.3.255|3,' // Reactive energy (QI) rate 3 (@527)
+ '1-0:5.8.4.255|3,' // Reactive energy (QI) rate 4 (@533)
+ '1-0:6.8.1.255|3,' // Reactive energy (QII) rate 1 (@539)
+ '1-0:6.8.2.255|3,' // Reactive energy (QII) rate 2 (@545)
+ '1-0:6.8.3.255|3,' // Reactive energy (QII) rate 3 (@551)
+ '1-0:6.8.4.255|3,' // Reactive energy (QII) rate 4 (@557)
+ '1-0:7.8.1.255|3,' // Reactive energy (QIII) rate 1 (@563)
+ '1-0:7.8.2.255|3,' // Reactive energy (QIII) rate 2 (@569)
+ '1-0:7.8.3.255|3,' // Reactive energy (QIII) rate 3 (@575)
+ '1-0:7.8.4.255|3,' // Reactive energy (QIII) rate 4 (@581)
+ '1-0:8.8.1.255|3,' // Reactive energy (QIV) rate 1 (@587)

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+ '1-0:8.8.2.255|3,' // Reactive energy (QIV) rate 2 (@593)
+ '1-0:8.8.3.255|3,' // Reactive energy (QIV) rate 3 (@599)
+ '1-0:8.8.4.255|3,' // Reactive energy (QIV) rate 4 (@605)
+ '1-0:9.4.0.255|5,' // Demand Register 5 - Apparent energy import (+VA) (@736)
+ '1-0:10.4.0.255|5,' // Demand Register 6 - Apparent energy export (-VA) (@749)
+ '1-0:14.7.0.255|3,' // Instantaneous net frequency; any phase (@1359)
+ '1-0:9.7.0.255|3,' // Instantaneous apparent import power (+VA) (@1395)
+ '1-0:16.24.0.255|5,' // Average Net Power (|+A|-|A|) (@1420)
+ '1-0:13.7.0.255|3,' // Instantaneous Power factor (+A/+VA) (@1446)
+ '1-0:13.5.0.255|4,' // Last Average Power factor (+A/+VA) (@1452)
+ '1-0:13.3.0.255|4,' // Minimum Power factor (+A/+VA) (@1460)
+ '1-0:0.8.2.255|3,' // Measurement Period 3 for Instantaneous values (@1468)
+ '0-1:24.6.0.255|74,' // M-Bus master port setup 2 (@1479)
+ '0-0:26.6.0.255|56' // S-FSK Reporting system list (@1978)

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

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

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

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

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

InstanceExtraInfo = {
  // Standard Event Log (@261)
  LogicalName = '0-0:99.98.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3

```



```

        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    // Fraud Detection Log (@276)
    LogicalName = '0-0:99.98.1.255'
    ClassId = 7
    AttributeExtraInfo = {
        // capture_objects
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

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

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

InstanceExtraInfo = {
    // M-Bus Value channel 1, instance 1 (@1571)
    LogicalName = '0-1:24.2.1.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 1, instance 2 (@1579)
    LogicalName = '0-1:24.2.2.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 1, instance 3 (@1587)
    LogicalName = '0-1:24.2.3.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

```

```

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

InstanceExtraInfo = {
    // M-Bus Value channel 1, instance 4 (@1595)
    LogicalName = '0-1:24.2.4.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 2, instance 1 (@1603)
    LogicalName = '0-2:24.2.1.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 2, instance 2 (@1611)
    LogicalName = '0-2:24.2.2.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 2, instance 3 (@1619)
    LogicalName = '0-2:24.2.3.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 2, instance 4 (@1627)
    LogicalName = '0-2:24.2.4.255'
    ClassId = 4
    AttributeExtraInfo = {

```

```

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

InstanceExtraInfo = {
    // M-Bus Value channel 3, instance 1 (@1635)
    LogicalName = '0-3:24.2.1.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 3, instance 2 (@1643)
    LogicalName = '0-3:24.2.2.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 3, instance 3 (@1651)
    LogicalName = '0-3:24.2.3.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 3, instance 4 (@1659)
    LogicalName = '0-3:24.2.4.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 4, instance 1 (@1667)

```

```

LogicalName = '0-4:24.2.1.255'
ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 4, instance 2 (@1675)
  LogicalName = '0-4:24.2.2.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 4, instance 3 (@1683)
  LogicalName = '0-4:24.2.3.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 4, instance 4 (@1691)
  LogicalName = '0-4:24.2.4.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Master Control log object 1 (@1850)
  LogicalName = '0-1:24.5.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // M-Bus Master Control log object 2 (@1861)
  LogicalName = '0-2:24.5.0.255'
  ClassId = 7

```

```

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

InstanceExtraInfo = {
  // M-Bus Master Control log object 3 (@1872)
  LogicalName = '0-3:24.5.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // M-Bus Master Control log object 4 (@1883)
  LogicalName = '0-4:24.5.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

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

InstanceExtraInfo = {
  // S-FSK MAC counters (@1962)
  LogicalName = '0-0:26.3.0.255'
  ClassId = 53
  AttributeExtraInfo = {
    // repetitions_counter
    AttributeId = 5
    AccessRights = [GET,SET]
  }
  AttributeExtraInfo = {
    // transmissions_counter
    AttributeId = 6
    AccessRights = [GET,SET]
  }
  AttributeExtraInfo = {
    // CRC_OK_frames_counter
    AttributeId = 7
    AccessRights = [GET,SET]
  }
  AttributeExtraInfo = {
    // CRC_NOK_frames_counter
    AttributeId = 8
    AccessRights = [GET,SET]
  }
}

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

InstanceExtraInfo = {

```

```

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

InstanceExtraInfo = {
// Set clock to 31/08/2012 14:00:00
LogicalName = '0-0:1.0.0.255'
ClassId = 8
AttributeExtraInfo = {
  AttributeId = 2
//CHANGE HERE!!!
  SetData = '\<Data><OctetString Value="07DC081FFF0E0000FF8000FF" /></Data>'
}
}

InstanceExtraInfo = {
// Set special days to 30 entries
LogicalName = '0-0:11.0.0.255'
ClassId = 11
AttributeExtraInfo = {
  AttributeId = 2
  SetData = '\<Data>'
+ ' <Array Qty="1E" >'
+ '   <Structure Qty="03" >'
+ '     <LongUnsigned Value="0001" />'
+ '     <OctetString Value="FFFF0101FF" />'
+ '     <Unsigned Value="02" />'
+ '   </Structure>'
+ '   <Structure Qty="03" >'
+ '     <LongUnsigned Value="0001" />'
+ '     <OctetString Value="FFFF0102FF" />'
+ '     <Unsigned Value="02" />'
+ '   </Structure>'
+ '   <Structure Qty="03" >'
+ '     <LongUnsigned Value="0001" />'
+ '     <OctetString Value="FFFF0103FF" />'
+ '     <Unsigned Value="02" />'
+ '   </Structure>'
+ '   <Structure Qty="03" >'
+ '     <LongUnsigned Value="0001" />'
+ '     <OctetString Value="FFFF0104FF" />'
+ '     <Unsigned Value="02" />'
+ '   </Structure>'
+ '   <Structure Qty="03" >'
+ '     <LongUnsigned Value="0001" />'
+ '     <OctetString Value="FFFF0105FF" />'
+ '     <Unsigned Value="02" />'
+ '   </Structure>'
+ '   <Structure Qty="03" >'
+ '     <LongUnsigned Value="0001" />'
+ '     <OctetString Value="FFFF0106FF" />'
+ '     <Unsigned Value="02" />'
+ '   </Structure>'
+ '   <Structure Qty="03" >'
+ '     <LongUnsigned Value="0001" />'
+ '     <OctetString Value="FFFF0107FF" />'
+ '     <Unsigned Value="02" />'
+ '   </Structure>'
+ '   <Structure Qty="03" >'
+ '     <LongUnsigned Value="0001" />'
+ '     <OctetString Value="FFFF0108FF" />'
+ '     <Unsigned Value="02" />'
+ '   </Structure>'
+ '   <Structure Qty="03" >'
+ '     <LongUnsigned Value="0001" />'
+ '     <OctetString Value="FFFF0109FF" />'
+ '     <Unsigned Value="02" />'
+ '   </Structure>'
+ '   <Structure Qty="03" >'
+ '     <LongUnsigned Value="0001" />'
+ '     <OctetString Value="FFFF010AFF" />'
+ '     <Unsigned Value="02" />'
+ '   </Structure>'
+ ' </Array>'
+ ' </Data>'
}
}

```

```

+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0201FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0202FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0203FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0204FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0205FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0206FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0207FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0208FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0209FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF020AFF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0301FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0302FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0303FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0304FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0305FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'

```



```

DiscoverTimeSlots = 20
ResponseProbability = 100
MaxCredit = 2
DiscoverPeriod = 0 // was 60, disable periodic discovery
TransmissionGain = 0
ReceptionGain = 8
BaudRate = 1
InputFrequency = 0
NbComOkDecrCredit = 3
DecrCredit = 1
IncrCredit = 2
MaxRetry = 1//3
RepeaterCallEnabled = 0
RepeaterCallLevel = 1000
NewBcplTSlotCount = 10
AlarmMngtEnabled = 0 // was 1, Disable alarms
AlarmMngtDelay = 0
AutoDiscoveryPriority = 2
FCTxValue = 100
}

// Mandatory 'SecurityElements'
// *****
// There is one structure per client, each specifies an 'EncryptionKey'
// and a 'Policy'. An encryption key is a visible-string of 32 characters,
// with each pair encoding one byte of a 16 bytes binary key.
// Policy is one of NO_SECURITY, AUTHENTICATION, ENCRYPTION or AUTHENTICATION_AND_ENCRYPTION
// StandardSecurityElements
// Mandatory, used for the standard access (DC and Java API).
// No context name is required. The DC selects the context according
// to the 'Policy' member. If zero, then the DC generates an AARQ with LONG_NAMES context.
// If positive then the DC generates an AARQ with LONG_NAME_WITH_CIPHERING context.
StandardSecurityElements = {
  Public = {
    MechanismName = LOWEST_LEVEL_SECURITY
    Policy = NO_SECURITY
  }
  Management = {
    //MechanismName = HIGH_LEVEL_SECURITY_GMAC//LOW_LEVEL_SECURITY
    //Policy = NO_SECURITY//ENCRYPTION//NO_SECURITY//AUTHENTICATION_AND_ENCRYPTION
    //Password = '\12345678'
    ContextName = LONG_NAMES_WITH_CIPHERING //LONG_NAMES_WITH_CIPHERING//LONG_NAMES
    MechanismName = HIGH_LEVEL_SECURITY_GMAC //HIGH_LEVEL_SECURITY_GMAC//LOW_LEVEL_SECURITY
    Policy = NO_SECURITY //ENCRYPTION//NO_SECURITY//AUTHENTICATION//AUTHENTICATION_AND_ENCRYPTION
    Password = '\12345678'
  }
  PreEstablished = {
    Policy = NO_SECURITY //ENCRYPTION//NO_SECURITY
  }
}

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

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

```

```
    Policy = NO_SECURITY
  }
  Management = {
    ContextName = LONG_NAMES_WITH_CIPHERING////LONG_NAMES
    MechanismName = HIGH_LEVEL_SECURITY_GMAC//LOWEST_LEVEL_SECURITY
    Policy = NO_SECURITY
    Password = '\12345678'
  }
  PreEstablished = {
    Policy = NO_SECURITY
  }
}

// Parameters of the ''Local'' HDLC Profile
HDLCProfile = {
  PhysicalLayer = {
    OpeningMode = DIRECT_HDLC
    HdlcBaud = 9600
  }
  DataLinkLayer = {
    InactivityTimeout = 120000
    InterFrameTimeout = 100
    ResponseTimeout = 2000
    DISCToNDMTimeout = 2000
    AddressingSchemes = [ONE_BYTE_ADDRESSING]
  }
}
// END CTI_Template

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

TestMode:           Tunnel
Test Plan Signature: 2E7528F668226F15938A849EB132DD6A
Object Model:       IDIS - object model - V1.24 (20111025)-MBUS Ref 1.xlsx
DUT system title:   4C475A6470120000
DC MeterId:         LG26470120000
Run number:         100
--

696A6321FFD67786978F1CEE127B398E
```

TEST REPORT - Firmware No.2		
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 09-JUL-2014 17:42:53 iCTT Package 1, Edition 1.1, Revision 1 (209) Licensed to: IDIS Association Tester: info@idis-association.com ***** ***** * Identification * ***** Manufacturer = { Name = '\Landis+Gyr' ThreeLettersId = '\LGZ' } DeviceUnderTest = { IDISDeviceType = 100 IDISFunctionType = [EXTENSION_D, EXTENSION_L, EXTENSION_M] SerialNr = 30800352 Type = '\E450 IDIS ZCXi 1x0 xP xx xx xx.xx S2' } Active firmware version (1-0:0.2.0.255) = \V430400 ***** * Summary * ***** PASSED 234 FAILED 0 DISABLED 0 INAPPLICABLE 8 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 ***** </pre>		

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
    <Data>
    <Enum Value="00" />
    </Data>
(3) .delta_electrical_phase PASSED
    <Data>
    <Enum Value="04" />
    </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="06" />
    </Data>
(7) .frequencies PASSED
    <Data>
    <Structure Qty="0002" >
    <DoubleLongUnsigned Value="0000F744" />
    <DoubleLongUnsigned Value="00012110" />
    </Structure>
    </Data>
(8) .mac_address PASSED
    <Data>
    <LongUnsigned Value="0015" />
    </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="01" />
    </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="0258" />
  </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="00000013" />
      </Structure>
    </Array>
  </Data>
(25) .desynchronization_listing PASSED
  <Data>
    <Structure Qty="0005" >
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000011" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
  </Data>
(26) .broadcast_frames_counter PASSED
  <Data>
    <Array Qty="0001" >
      <Structure Qty="0002" >
        <LongUnsigned Value="0C00" />
        <DoubleLongUnsigned Value="0000000B" />
      </Structure>
    </Array>
  </Data>
(27) .repetitions_counter PASSED
  <Data>
    <DoubleLongUnsigned Value="0000001E" />
  </Data>
(28) .transmissions_counter PASSED
  <Data>
    <DoubleLongUnsigned Value="0000002A" />
  </Data>
(29) .CRC_OK_frames_counter PASSED
  <Data>
    <DoubleLongUnsigned Value="000000A6" />
  </Data>

```



```

    <Data>
      <OctetString Value="0100000208FF" />
    </Data>
(4) .value                                     PASSED
    <Data>
      <OctetString Value="\A79C7903" />
    </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="07DE0709FF0800000800FF" />
    </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="07DE070903080004FF800080" />
    </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" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0106FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0107FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0108FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0109FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF010AFF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0201FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0202FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0203FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0204FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0205FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0206FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0207FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0208FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0209FF" />
  <Unsigned Value="02" />

```

```

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

```

```

*****
Test Case 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>
    </Array>
  </_Data>

```

```
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0103FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0104FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0105FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0106FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0107FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0108FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0109FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF010AFF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0201FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0202FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0203FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0204FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0205FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0206FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0207FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
```

```

    <OctetString Value="FFFF0208FF" />
    <Unsigned Value="02" />
  </Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0209FF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF020AFF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0301FF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0302FF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0303FF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0304FF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0305FF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0306FF" />
  <Unsigned Value="02" />
</Structure>
</Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0307FF" />
  <Unsigned Value="02" />
</Structure>
</Structure 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 12 : Read Event Log buffers, 4 item(s)
*****

```

```

Mngmt Get Disconnecter Control Log 0-0:99.98.2.255 (@181)
(1) .buffer
  entries_in_use: 13
  <Data>
    <DoubleLongUnsigned Value="0000000D" />
  </Data>
capture objects:

```

PASSED

```

<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 13 elements:
<_Data>
  <Array Qty="000D" >
    <Structure Qty="0003" >
      <OctetString Value="07DE031606000001FF800000" />
      <Enum Value="FF" />
      <Long64Unsigned Value="0000000000000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07DE031606000000BFF800000" />
      <Enum Value="3E" />
      <Long64Unsigned Value="0000000000000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07DE031606000000CFF800000" />
      <Enum Value="3F" />
      <Long64Unsigned Value="0000000000000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07DE031606000000CFF800000" />
      <Enum Value="CE" />
      <Long64Unsigned Value="0000000000000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07DE031606000000CFF800000" />
      <Enum Value="3B" />
      <Long64Unsigned Value="0000000000000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07DE031606000016FF800000" />
      <Enum Value="3E" />
      <Long64Unsigned Value="0000000000000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07DE031606000016FF800000" />
      <Enum Value="CE" />
      <Long64Unsigned Value="0000000000000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07DE031606000020FF800000" />
      <Enum Value="3F" />
      <Long64Unsigned Value="0000000000000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07DE031606000020FF800000" />
      <Enum Value="CE" />
      <Long64Unsigned Value="0000000000000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07DE031606000020FF800000" />
      <Enum Value="3B" />
      <Long64Unsigned Value="0000000000000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07DE03160600002AFF800000" />

```

```

    <Enum Value="3E" />
    <Long64Unsigned Value="0000000000000000" />
  </Structure>
<Structure Qty="0003" >
  <OctetString Value="07DE03160600002AFF800000" />
  <Enum Value="CE" />
  <Long64Unsigned Value="0000000000000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DE031606000101FF800000" />
  <Enum Value="3F" />
  <Long64Unsigned Value="0000000000000000" />
</Structure>
</Array>
</_Data>
Earliest date: 22-MAR-2014 00:00:01, latest date: 22-MAR-2014 00:01:01
Middle date: 22-MAR-2014 00:00:22

Mngmt Get Standard Event Log 0-0:99.98.0.255 (@261)
(2) .buffer PASSED
  entries_in_use: 53
  <Data>
    <DoubleLongUnsigned Value="00000035" />
  </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 53 elements:
  <_Data>
    <Array Qty="0035" >
      <Structure Qty="0002" >
        <OctetString Value="07DE031101000000FF800000" />
        <Enum Value="FF" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DE031101000000FF800000" />
        <Enum Value="FE" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DE031101000000FF800000" />
        <Enum Value="FE" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DE031101000001FF800000" />
        <Enum Value="FE" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DE031101000002FF800000" />
        <Enum Value="04" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DE031202000000FF800000" />
        <Enum Value="05" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DE031202000000FF800000" />
        <Enum Value="CA" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DE031202000001FF800000" />
        <Enum Value="04" />
      </Structure>
    </Array>
  </_Data>
  <Structure Qty="0002" >

```

```

    <OctetString Value="07DE031303000000FF800000" />
    <Enum Value="05" />
  </Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031303000000FF800000" />
  <Enum Value="CA" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031303000001FF800000" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031404000000FF800000" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031404000000FF800000" />
  <Enum Value="CA" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031404000001FF800000" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031505000000FF800000" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031505000000FF800000" />
  <Enum Value="CA" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031505000001FF800000" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031606000000FF800000" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031606000000FF800000" />
  <Enum Value="CA" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031606000513FF800000" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031606000518FF800000" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031606001225FF800000" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE03160600160EFF800000" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031606001809FF800000" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE03160601172EFF800000" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031606011738FF800000" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE03160602172EFF800000" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE03160602173AFF800000" />

```

```

    <Enum Value="04" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DE03160604172EFF800000" />
    <Enum Value="05" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DE03160604173BFF800000" />
    <Enum Value="04" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DE03160605172EFF800000" />
    <Enum Value="05" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DE031606051734FF800000" />
    <Enum Value="04" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DE03160606172EFF800000" />
    <Enum Value="05" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DE031606061E3AFF800000" />
    <Enum Value="04" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DE070802170000FF800000" />
    <Enum Value="05" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DE070802170000FF800000" />
    <Enum Value="CA" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DE070802170000FF800000" />
    <Enum Value="FE" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DE070802170102FF800000" />
    <Enum Value="04" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DE070903000004FF800000" />
    <Enum Value="05" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DE070903000017FF800000" />
    <Enum Value="04" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DE070903010006FF800000" />
    <Enum Value="05" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DE070903010010FF800000" />
    <Enum Value="04" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DE070903020006FF800000" />
    <Enum Value="05" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DE07090302000CFF800000" />
    <Enum Value="04" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DE070903030006FF800000" />
    <Enum Value="05" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DE07090303000CFF800000" />
    <Enum Value="04" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DE070903040006FF800000" />
    <Enum Value="05" />
  </Structure>

```



```

</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE07090304002BFF800000" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE070903050006FF800000" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE07090305000DFF800000" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE070903060006FF800000" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE070903060914FF800000" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE070903070000FF800000" />
  <Enum Value="05" />
</Structure>
</Array>
</_Data>
Earliest date: 17-MAR-2014 00:00:00, latest date: 09-JUL-2014 07:00:00
Middle date: 22-MAR-2014 02:23:46

```

Mngmt Get Fraud Detection Log 0-0:99.98.1.255 (@276)

(3) .buffer

PASSED

```

entries_in_use: 12
  <Data>
    <DoubleLongUnsigned Value="0000000C" />
  </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 12 elements:
  <_Data>
    <Array Qty="000C" >
      <Structure Qty="0002" >
        <OctetString Value="07DE031606000515FF800000" />
        <Enum Value="FF" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DE03160600051AFF800000" />
        <Enum Value="28" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DE03160600051FFF800000" />
        <Enum Value="28" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DE031606000524FF800000" />
        <Enum Value="28" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DE031606000529FF800000" />
        <Enum Value="28" />
      </Structure>
    </Array>
  </_Data>

```

```

    <OctetString Value="07DE03160600052FFF800000" />
    <Enum Value="28" />
  </Structure>
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031606000534FF800000" />
  <Enum Value="28" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031606000539FF800000" />
  <Enum Value="28" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031606000602FF800000" />
  <Enum Value="28" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031606000607FF800000" />
  <Enum Value="28" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE03160600060DFF800000" />
  <Enum Value="28" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE070903060621FF800000" />
  <Enum Value="31" />
</Structure>
</Array>
</_Data>
Earliest date: 22-MAR-2014 00:05:21, latest date: 09-JUL-2014 06:06:33
Middle date: 22-MAR-2014 00:05:52

```

Mngmt Get Power Quality Log 0-0:99.98.4.255 (@1249)

(4) .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="0000600B04FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
  Buffer has 7 elements:
  <Data>
    <Array Qty="0007" >
      <Structure Qty="0002" >
        <OctetString Value="07DE031606000103FF800000" />
        <Enum Value="FF" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DE031606000108FF800000" />
        <Enum Value="4F" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DE03160600010EFF800000" />
        <Enum Value="55" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DE031606000113FF800000" />
        <Enum Value="4F" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DE031606000119FF800000" />
        <Enum Value="55" />
      </Structure>
    </Array>
  </Data>

```

```

</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE03160600011EFF800000" />
  <Enum Value="4F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031606000123FF800000" />
  <Enum Value="55" />
</Structure>
</Array>
</Data>
Earliest date: 22-MAR-2014 00:01:03, latest date: 22-MAR-2014 00:01:35
Middle date: 22-MAR-2014 00:01:19

```

```

*****
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="07DE031202000000FF800000" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0005" >
      <OctetString Value="07DE031303000000FF800000" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
  </Array>

```

```

    <OctetString Value="07DE031404000000FF800000" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
<Structure Qty="0005" >
  <OctetString Value="07DE031505000000FF800000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07DE031606000000FF800000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07DE070802170000FF800000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
</Array>
</Data>
Earliest date: 18-MAR-2014 00:00:00, latest date: 08-JUL-2014 23:00:00
Middle date: 21-MAR-2014 00:00:00

```

```

*****
Test Case 14 : MBUS Libra Ref test, 130 item(s)
*****

```

```

Mngmt Get M-Bus client channel 1 0-1:24.1.0.255 (@1483)
(1) .mbus_port_reference PASSED
  <Data>
  <OctetString Value="0000180600FF" />
  </Data>
(2) .capture_definition PASSED
  <Data>
  <Array Qty="0004" >
  <Structure Qty="0002" >
  <OctetString Value="\L" />
  <OctetString Value="933A" />
  </Structure>
  <Structure Qty="0002" >
  <OctetString Value="\L" />
  <OctetString Value="13" />
  </Structure>
  <Structure Qty="0002" >
  <OctetString Value="" />
  <OctetString Value="" />
  </Structure>
  <Structure Qty="0002" >
  <OctetString Value="" />
  <OctetString Value="" />
  </Structure>
  </Array>
  </Data>
(3) .capture_period PASSED
  <Data>
  <DoubleLongUnsigned Value="00000E10" />
  </Data>
(4) .primary_address PASSED
  <Data>
  <Unsigned Value="01" />
  </Data>
(5) .identification_number PASSED
  <Data>
  <DoubleLongUnsigned Value="00047BB1" />
  </Data>
(6) .manufacturer_id PASSED
  <Data>
  <LongUnsigned Value="19AC" />

```

	</Data>	
(7)	.version	PASSED
	<Data>	
	<Unsigned Value="02" />	
	</Data>	
(8)	.device_type	PASSED
	<Data>	
	<Unsigned Value="03" />	
	</Data>	
(9)	.access_number	PASSED
	<Data>	
	<Unsigned Value="56" />	
	</Data>	
(10)	.status	PASSED
	<Data>	
	<Unsigned Value="00" />	
	</Data>	
(11)	.alarm	PASSED
	<Data>	
	<Unsigned Value="00" />	
	</Data>	
Mngmt Get M-Bus client channel 2 0-2:24.1.0.255 (@1505)		
(12)	.mbus_port_reference	PASSED
	<Data>	
	<OctetString Value="0000180600FF" />	
	</Data>	
(13)	.capture_definition	PASSED
	<Data>	
	<Array Qty="0004" >	
	<Structure Qty="0002" >	
	<OctetString Value="\L" />	
	<OctetString Value="933A" />	
	</Structure>	
	<Structure Qty="0002" >	
	<OctetString Value="\L" />	
	<OctetString Value="13" />	
	</Structure>	
	<Structure Qty="0002" >	
	<OctetString Value="\ " />	
	<OctetString Value="\ " />	
	</Structure>	
	<Structure Qty="0002" >	
	<OctetString Value="\ " />	
	<OctetString Value="\ " />	
	</Structure>	
	</Array>	
	</Data>	
(14)	.capture_period	PASSED
	<Data>	
	<DoubleLongUnsigned Value="00000E10" />	
	</Data>	
(15)	.primary_address	PASSED
	<Data>	
	<Unsigned Value="02" />	
	</Data>	
(16)	.identification_number	PASSED
	<Data>	
	<DoubleLongUnsigned Value="00047BB2" />	
	</Data>	
(17)	.manufacturer_id	PASSED
	<Data>	
	<LongUnsigned Value="19AC" />	
	</Data>	
(18)	.version	PASSED
	<Data>	
	<Unsigned Value="02" />	
	</Data>	
(19)	.device_type	PASSED
	<Data>	
	<Unsigned Value="03" />	
	</Data>	
(20)	.access_number	PASSED
	<Data>	
	<Unsigned Value="DE" />	
	</Data>	
(21)	.status	PASSED

```

    <Data>
      <Unsigned Value="00" />
    </Data>
(22) .alarm PASSED
    <Data>
      <Unsigned Value="00" />
    </Data>

Mngmt Get M-Bus client channel 3 0-3:24.1.0.255 (@1527)
(23) .mbus_port_reference PASSED
    <Data>
      <OctetString Value="0000180600FF" />
    </Data>
(24) .capture_definition PASSED
    <Data>
      <Array Qty="0004" >
        <Structure Qty="0002" >
          <OctetString Value="\L" />
          <OctetString Value="933A" />
        </Structure>
        <Structure Qty="0002" >
          <OctetString Value="\L" />
          <OctetString Value="13" />
        </Structure>
        <Structure Qty="0002" >
          <OctetString Value="" />
          <OctetString Value="" />
        </Structure>
        <Structure Qty="0002" >
          <OctetString Value="" />
          <OctetString Value="" />
        </Structure>
      </Array>
    </Data>
(25) .capture_period PASSED
    <Data>
      <DoubleLongUnsigned Value="00000E10" />
    </Data>
(26) .primary_address PASSED
    <Data>
      <Unsigned Value="03" />
    </Data>
(27) .identification_number PASSED
    <Data>
      <DoubleLongUnsigned Value="00047BB4" />
    </Data>
(28) .manufacturer_id PASSED
    <Data>
      <LongUnsigned Value="19AC" />
    </Data>
(29) .version PASSED
    <Data>
      <Unsigned Value="02" />
    </Data>
(30) .device_type PASSED
    <Data>
      <Unsigned Value="03" />
    </Data>
(31) .access_number PASSED
    <Data>
      <Unsigned Value="FB" />
    </Data>
(32) .status PASSED
    <Data>
      <Unsigned Value="00" />
    </Data>
(33) .alarm PASSED
    <Data>
      <Unsigned Value="00" />
    </Data>

Mngmt Get M-Bus client channel 4 0-4:24.1.0.255 (@1549)
(34) .mbus_port_reference PASSED
    <Data>
      <OctetString Value="0000180600FF" />
    </Data>
(35) .capture_definition PASSED

```

```

    <Data>
      <Array Qty="0004" >
        <Structure Qty="0002" >
          <OctetString Value="\L" />
          <OctetString Value="933A" />
        </Structure>
        <Structure Qty="0002" >
          <OctetString Value="\L" />
          <OctetString Value="13" />
        </Structure>
        <Structure Qty="0002" >
          <OctetString Value="\ " />
          <OctetString Value="\ " />
        </Structure>
        <Structure Qty="0002" >
          <OctetString Value="\ " />
          <OctetString Value="\ " />
        </Structure>
      </Array>
    </Data>
(36) .capture_period PASSED
    <Data>
      <DoubleLongUnsigned Value="00000E10" />
    </Data>
(37) .primary_address PASSED
    <Data>
      <Unsigned Value="04" />
    </Data>
(38) .identification_number PASSED
    <Data>
      <DoubleLongUnsigned Value="00047BB3" />
    </Data>
(39) .manufacturer_id PASSED
    <Data>
      <LongUnsigned Value="19AC" />
    </Data>
(40) .version PASSED
    <Data>
      <Unsigned Value="02" />
    </Data>
(41) .device_type PASSED
    <Data>
      <Unsigned Value="03" />
    </Data>
(42) .access_number PASSED
    <Data>
      <Unsigned Value="51" />
    </Data>
(43) .status PASSED
    <Data>
      <Unsigned Value="00" />
    </Data>
(44) .alarm PASSED
    <Data>
      <Unsigned Value="00" />
    </Data>
Mngmt Get M-Bus Value channel 1, instance 1 0-1:24.2.1.255 (@1571)
(45) .value PASSED
    <Data>
      <DoubleLongUnsigned Value="05F5DD56" />
    </Data>
(46) .scaler_unit PASSED
    <Data>
      <Structure Qty="0002" >
        <Integer Value="FD" />
        <Enum Value="0D" />
      </Structure>
    </Data>
(47) .status PASSED
    <Data>
      <Unsigned Value="00" />
    </Data>
(48) .capture_time PASSED
    <Data>
      <OctetString Value="07DE07090307000AFF800000" />
    </Data>

```

```

Mngmt Get M-Bus Value channel 1, instance 2 0-1:24.2.2.255 (@1579)
(49) .value PASSED
    <Data>
    <DoubleLongUnsigned Value="00000227" />
    </Data>
(50) .scaler_unit PASSED
    <Data>
    <Structure Qty="0002" >
    <Integer Value="FD" />
    <Enum Value="0E" />
    </Structure>
    </Data>
(51) .status PASSED
    <Data>
    <Unsigned Value="00" />
    </Data>
(52) .capture_time PASSED
    <Data>
    <OctetString Value="07DE07090307000AFF800000" />
    </Data>

Mngmt Get M-Bus Value channel 1, instance 3 0-1:24.2.3.255 (@1587)
(53) .value PASSED
    <Data>
    <DoubleLongUnsigned Value="00000000" />
    </Data>
(54) .scaler_unit PASSED
    <Data>
    <Structure Qty="0002" >
    <Integer Value="00" />
    <Enum Value="FF" />
    </Structure>
    </Data>
(55) .status PASSED
    <Data>
    <Unsigned Value="05" />
    </Data>
(56) .capture_time PASSED
    <Data>
    <OctetString Value="07D0010106000000FF800000" />
    </Data>

Mngmt Get M-Bus Value channel 1, instance 4 0-1:24.2.4.255 (@1595)
(57) .value PASSED
    <Data>
    <DoubleLongUnsigned Value="00000000" />
    </Data>
(58) .scaler_unit PASSED
    <Data>
    <Structure Qty="0002" >
    <Integer Value="00" />
    <Enum Value="FF" />
    </Structure>
    </Data>
(59) .status PASSED
    <Data>
    <Unsigned Value="05" />
    </Data>
(60) .capture_time PASSED
    <Data>
    <OctetString Value="07D0010106000000FF800000" />
    </Data>

Mngmt Get M-Bus Value channel 2, instance 1 0-2:24.2.1.255 (@1603)
(61) .value PASSED
    <Data>
    <DoubleLongUnsigned Value="05F5DD18" />
    </Data>
(62) .scaler_unit PASSED
    <Data>
    <Structure Qty="0002" >
    <Integer Value="FD" />
    <Enum Value="0D" />
    </Structure>
    </Data>
(63) .status PASSED

```



```

    <Data>
      <Unsigned Value="00" />
    </Data>
(64) .capture_time PASSED
    <Data>
      <OctetString Value="07DE070903070014FF800000" />
    </Data>

Mngmt Get M-Bus Value channel 2, instance 2 0-2:24.2.2.255 (@1611)
(65) .value PASSED
    <Data>
      <DoubleLongUnsigned Value="000004AE" />
    </Data>
(66) .scaler_unit PASSED
    <Data>
      <Structure Qty="0002" >
        <Integer Value="FD" />
        <Enum Value="0E" />
      </Structure>
    </Data>
(67) .status PASSED
    <Data>
      <Unsigned Value="00" />
    </Data>
(68) .capture_time PASSED
    <Data>
      <OctetString Value="07DE070903070014FF800000" />
    </Data>

Mngmt Get M-Bus Value channel 2, instance 3 0-2:24.2.3.255 (@1619)
(69) .value PASSED
    <Data>
      <DoubleLongUnsigned Value="00000000" />
    </Data>
(70) .scaler_unit PASSED
    <Data>
      <Structure Qty="0002" >
        <Integer Value="00" />
        <Enum Value="FF" />
      </Structure>
    </Data>
(71) .status PASSED
    <Data>
      <Unsigned Value="05" />
    </Data>
(72) .capture_time PASSED
    <Data>
      <OctetString Value="07D0010106000000FF800000" />
    </Data>

Mngmt Get M-Bus Value channel 2, instance 4 0-2:24.2.4.255 (@1627)
(73) .value PASSED
    <Data>
      <DoubleLongUnsigned Value="00000000" />
    </Data>
(74) .scaler_unit PASSED
    <Data>
      <Structure Qty="0002" >
        <Integer Value="00" />
        <Enum Value="FF" />
      </Structure>
    </Data>
(75) .status PASSED
    <Data>
      <Unsigned Value="05" />
    </Data>
(76) .capture_time PASSED
    <Data>
      <OctetString Value="07D0010106000000FF800000" />
    </Data>

Mngmt Get M-Bus Value channel 3, instance 1 0-3:24.2.1.255 (@1635)
(77) .value PASSED
    <Data>
      <DoubleLongUnsigned Value="05F5DD28" />
    </Data>
(78) .scaler_unit PASSED

```

```

    <Data>
      <Structure Qty="0002" >
        <Integer Value="FD" />
        <Enum Value="0D" />
      </Structure>
    </Data>
(79) .status PASSED
    <Data>
      <Unsigned Value="00" />
    </Data>
(80) .capture_time PASSED
    <Data>
      <OctetString Value="07DE07090307001EFF800000" />
    </Data>

Mngmt Get M-Bus Value channel 3, instance 2 0-3:24.2.2.255 (@1643)
(81) .value PASSED
    <Data>
      <DoubleLongUnsigned Value="000001E7" />
    </Data>
(82) .scaler_unit PASSED
    <Data>
      <Structure Qty="0002" >
        <Integer Value="FD" />
        <Enum Value="0E" />
      </Structure>
    </Data>
(83) .status PASSED
    <Data>
      <Unsigned Value="00" />
    </Data>
(84) .capture_time PASSED
    <Data>
      <OctetString Value="07DE07090307001EFF800000" />
    </Data>

Mngmt Get M-Bus Value channel 3, instance 3 0-3:24.2.3.255 (@1651)
(85) .value PASSED
    <Data>
      <DoubleLongUnsigned Value="00000000" />
    </Data>
(86) .scaler_unit PASSED
    <Data>
      <Structure Qty="0002" >
        <Integer Value="00" />
        <Enum Value="FF" />
      </Structure>
    </Data>
(87) .status PASSED
    <Data>
      <Unsigned Value="05" />
    </Data>
(88) .capture_time PASSED
    <Data>
      <OctetString Value="07D0010106000000FF800000" />
    </Data>

Mngmt Get M-Bus Value channel 3, instance 4 0-3:24.2.4.255 (@1659)
(89) .value PASSED
    <Data>
      <DoubleLongUnsigned Value="00000000" />
    </Data>
(90) .scaler_unit PASSED
    <Data>
      <Structure Qty="0002" >
        <Integer Value="00" />
        <Enum Value="FF" />
      </Structure>
    </Data>
(91) .status PASSED
    <Data>
      <Unsigned Value="05" />
    </Data>
(92) .capture_time PASSED
    <Data>
      <OctetString Value="07D0010106000000FF800000" />
    </Data>

```

```

Mngmt Get M-Bus Value channel 4, instance 1 0-4:24.2.1.255 (@1667)
(93) .value PASSED
    <Data>
    <DoubleLongUnsigned Value="05F5DD26" />
    </Data>
(94) .scaler_unit PASSED
    <Data>
    <Structure Qty="0002" >
    <Integer Value="FD" />
    <Enum Value="0D" />
    </Structure>
    </Data>
(95) .status PASSED
    <Data>
    <Unsigned Value="00" />
    </Data>
(96) .capture_time PASSED
    <Data>
    <OctetString Value="07DE070903070028FF800000" />
    </Data>

Mngmt Get M-Bus Value channel 4, instance 2 0-4:24.2.2.255 (@1675)
(97) .value PASSED
    <Data>
    <DoubleLongUnsigned Value="000003CC" />
    </Data>
(98) .scaler_unit PASSED
    <Data>
    <Structure Qty="0002" >
    <Integer Value="FD" />
    <Enum Value="0E" />
    </Structure>
    </Data>
(99) .status PASSED
    <Data>
    <Unsigned Value="00" />
    </Data>
(100) .capture_time PASSED
    <Data>
    <OctetString Value="07DE070903070028FF800000" />
    </Data>

Mngmt Get M-Bus Value channel 4, instance 3 0-4:24.2.3.255 (@1683)
(101) .value PASSED
    <Data>
    <DoubleLongUnsigned Value="00000000" />
    </Data>
(102) .scaler_unit PASSED
    <Data>
    <Structure Qty="0002" >
    <Integer Value="00" />
    <Enum Value="FF" />
    </Structure>
    </Data>
(103) .status PASSED
    <Data>
    <Unsigned Value="05" />
    </Data>
(104) .capture_time PASSED
    <Data>
    <OctetString Value="07D0010106000000FF800000" />
    </Data>

Mngmt Get M-Bus Value channel 4, instance 4 0-4:24.2.4.255 (@1691)
(105) .value PASSED
    <Data>
    <DoubleLongUnsigned Value="00000000" />
    </Data>
(106) .scaler_unit PASSED
    <Data>
    <Structure Qty="0002" >
    <Integer Value="00" />
    <Enum Value="FF" />
    </Structure>
    </Data>
(107) .status PASSED

```

```

    <Data>
      <Unsigned Value="05" />
    </Data>
(108) .capture_time PASSED
    <Data>
      <OctetString Value="07D0010106000000FF800000" />
    </Data>

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

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

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

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

Mngmt Get M-Bus Master Load profile for channel 1 0-1:24.3.0.255 (@1747)
(113) .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>

```

```

</Array>
</Data>
Buffer has 9 elements:
<_Data>
  <Array Qty="0009" >
    <Structure Qty="0006" >
      <OctetString Value="07DE070802170000FF800000" />
      <Unsigned Value="04" />
      <DoubleLongUnsigned Value="05F5DD56" />
      <DoubleLongUnsigned Value="00000227" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DE070903000000FF800000" />
      <Unsigned Value="04" />
      <DoubleLongUnsigned Value="05F5DD56" />
      <DoubleLongUnsigned Value="00000227" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DE070903010000FF800000" />
      <Unsigned Value="04" />
      <DoubleLongUnsigned Value="05F5DD56" />
      <DoubleLongUnsigned Value="00000227" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DE070903020000FF800000" />
      <Unsigned Value="04" />
      <DoubleLongUnsigned Value="05F5DD56" />
      <DoubleLongUnsigned Value="00000227" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DE070903030000FF800000" />
      <Unsigned Value="04" />
      <DoubleLongUnsigned Value="05F5DD56" />
      <DoubleLongUnsigned Value="00000227" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DE070903040000FF800000" />
      <Unsigned Value="04" />
      <DoubleLongUnsigned Value="05F5DD56" />
      <DoubleLongUnsigned Value="00000227" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DE070903050000FF800000" />
      <Unsigned Value="04" />
      <DoubleLongUnsigned Value="05F5DD56" />
      <DoubleLongUnsigned Value="00000227" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DE070903060000FF800000" />
      <Unsigned Value="04" />
      <DoubleLongUnsigned Value="05F5DD56" />
      <DoubleLongUnsigned Value="00000227" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DE070903070000FF800000" />
      <Unsigned Value="04" />
      <DoubleLongUnsigned Value="05F5DD56" />
      <DoubleLongUnsigned Value="00000227" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0006" >
      <OctetString Value="07DE070903070000FF800000" />
      <Unsigned Value="04" />
      <DoubleLongUnsigned Value="05F5DD56" />
      <DoubleLongUnsigned Value="00000227" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
  </Array>

```

```

    </Array>
  </_Data>
  Earliest date: 08-JUL-2014 23:00:00, latest date: 09-JUL-2014 07:00:00
  Middle date: 09-JUL-2014 03:00:00
(114) .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>
(115) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000E10" />
  </Data>
(116) .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)
(117) .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>
</Data>
<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="07DE070802170000FF800000" />
        <Unsigned Value="04" />
        <DoubleLongUnsigned Value="05F5DD18" />
        <DoubleLongUnsigned Value="000004AE" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07DE070903000000FF800000" />
        <Unsigned Value="04" />
        <DoubleLongUnsigned Value="05F5DD18" />
        <DoubleLongUnsigned Value="000004AE" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07DE070903010000FF800000" />
        <Unsigned Value="04" />
        <DoubleLongUnsigned Value="05F5DD18" />
        <DoubleLongUnsigned Value="000004AE" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07DE070903020000FF800000" />
        <Unsigned Value="04" />
        <DoubleLongUnsigned Value="05F5DD18" />
        <DoubleLongUnsigned Value="000004AE" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07DE070903030000FF800000" />
        <Unsigned Value="04" />
        <DoubleLongUnsigned Value="05F5DD18" />
        <DoubleLongUnsigned Value="000004AE" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07DE070903040000FF800000" />
        <Unsigned Value="04" />
        <DoubleLongUnsigned Value="05F5DD18" />
        <DoubleLongUnsigned Value="000004AE" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0006" >
        <OctetString Value="07DE070903050000FF800000" />

```

```

    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD18" />
    <DoubleLongUnsigned Value="000004AE" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DE070903060000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD18" />
    <DoubleLongUnsigned Value="000004AE" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DE070903070000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD18" />
    <DoubleLongUnsigned Value="000004AE" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
</Array>
</_Data>
Earliest date: 08-JUL-2014 23:00:00, latest date: 09-JUL-2014 07:00:00
Middle date: 09-JUL-2014 03:00:00
(118) .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>
(119) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000E10" />
  </Data>
(120) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="00000009" />
  </Data>

```

Mngmt Get M-Bus Master Load profile for channel 3 0-3:24.3.0.255 (@1769)


```

(121) .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="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="07DE070802170000FF800000" />
          <Unsigned Value="04" />
          <DoubleLongUnsigned Value="05F5DD28" />
          <DoubleLongUnsigned Value="000001E7" />
          <DoubleLongUnsigned Value="00000000" />
          <DoubleLongUnsigned Value="00000000" />
        </Structure>
        <Structure Qty="0006" >
          <OctetString Value="07DE070903000000FF800000" />
          <Unsigned Value="04" />
          <DoubleLongUnsigned Value="05F5DD28" />
          <DoubleLongUnsigned Value="000001E7" />
          <DoubleLongUnsigned Value="00000000" />
          <DoubleLongUnsigned Value="00000000" />
        </Structure>
        <Structure Qty="0006" >
          <OctetString Value="07DE070903010000FF800000" />
          <Unsigned Value="04" />
          <DoubleLongUnsigned Value="05F5DD28" />
          <DoubleLongUnsigned Value="000001E7" />
          <DoubleLongUnsigned Value="00000000" />
          <DoubleLongUnsigned Value="00000000" />
        </Structure>
        <Structure Qty="0006" >
          <OctetString Value="07DE070903020000FF800000" />
          <Unsigned Value="04" />
          <DoubleLongUnsigned Value="05F5DD28" />

```

```

    <DoubleLongUnsigned Value="000001E7" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DE070903030000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD28" />
  <DoubleLongUnsigned Value="000001E7" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DE070903040000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD28" />
  <DoubleLongUnsigned Value="000001E7" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DE070903050000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD28" />
  <DoubleLongUnsigned Value="000001E7" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DE070903060000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD28" />
  <DoubleLongUnsigned Value="000001E7" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0006" >
  <OctetString Value="07DE070903070000FF800000" />
  <Unsigned Value="04" />
  <DoubleLongUnsigned Value="05F5DD28" />
  <DoubleLongUnsigned Value="000001E7" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
</Array>
</_Data>
Earliest date: 08-JUL-2014 23:00:00, latest date: 09-JUL-2014 07:00:00
Middle date: 09-JUL-2014 03:00:00
(122) .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>
</Array>
</Data>
(123) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000E10" />
  </Data>
(124) .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)
(125) .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="07DE070802170000FF800000" />
        <Unsigned Value="04" />
        <DoubleLongUnsigned Value="05F5DD26" />
        <DoubleLongUnsigned Value="000003CC" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
    </Array>
  </Data>

```

```

    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DE070903000000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD26" />
    <DoubleLongUnsigned Value="000003CC" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DE070903010000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD26" />
    <DoubleLongUnsigned Value="000003CC" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DE070903020000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD26" />
    <DoubleLongUnsigned Value="000003CC" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DE070903030000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD26" />
    <DoubleLongUnsigned Value="000003CC" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DE070903040000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD26" />
    <DoubleLongUnsigned Value="000003CC" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DE070903050000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD26" />
    <DoubleLongUnsigned Value="000003CC" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DE070903060000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD26" />
    <DoubleLongUnsigned Value="000003CC" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0006" >
    <OctetString Value="07DE070903070000FF800000" />
    <Unsigned Value="04" />
    <DoubleLongUnsigned Value="05F5DD26" />
    <DoubleLongUnsigned Value="000003CC" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
</Array>
</_Data>
Earliest date: 08-JUL-2014 23:00:00, latest date: 09-JUL-2014 07:00:00
Middle date: 09-JUL-2014 03:00:00
(126) .capture_objects PASSED
  <Data>
    <Array Qty="0006" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
      </Structure>
    </Array>
  </Data>

```

```

    <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>
(127) .capture_period PASSED
  <Data>
    <DoubleLongUnsigned Value="00000E10" />
  </Data>
(128) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="00000009" />
  </Data>

Mngmt Get M-Bus Event Log 0-0:99.98.3.255 (@1898)
(129) .buffer PASSED
  entries_in_use: 14
  <Data>
    <DoubleLongUnsigned Value="0000000E" />
  </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 14 elements:
  <_Data>
    <Array Qty="000E" >
      <Structure Qty="0002" >
        <OctetString Value="07DE031101000000FF800000" />
        <Enum Value="FF" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DE031101000000FF800000" />
        <Enum Value="FE" />
      </Structure>
    </Array>
  </Data>

```

```

<Structure Qty="0002" >
  <OctetString Value="07DE031101000001FF800000" />
  <Enum Value="FE" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031101000001FF800000" />
  <Enum Value="FE" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031101000001FF800000" />
  <Enum Value="FE" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031101000001FF800000" />
  <Enum Value="FE" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031606001612FF800000" />
  <Enum Value="83" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031606001612FF800000" />
  <Enum Value="79" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031606001616FF800000" />
  <Enum Value="6F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE031606001617FF800000" />
  <Enum Value="65" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE070802170000FF800000" />
  <Enum Value="FE" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE070802170000FF800000" />
  <Enum Value="FE" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE070802170000FF800000" />
  <Enum Value="FE" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DE070802170000FF800000" />
  <Enum Value="FE" />
</Structure>
</Array>
</_Data>
Earliest date: 17-MAR-2014 00:00:00, latest date: 08-JUL-2014 23:00:00
Middle date: 22-MAR-2014 00:22:18
(130) .entries_in_use PASSED
  <Data>
    <DoubleLongUnsigned Value="0000000E" />
  </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="00" />
  </Data>
(3) .delta_electrical_phase PASSED
  <Data>
    <Enum Value="04" />
  </Data>
(4) .max_receiving_gain PASSED
  <Data>
    <Unsigned Value="2A" />

```



```

    </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="00000013" />
            </Structure>
        </Array>
    </Data>
(25) .desynchronization_listing PASSED
    <Data>
        <Structure Qty="0005" >
            <DoubleLongUnsigned Value="00000000" />
            <DoubleLongUnsigned Value="00000000" />
            <DoubleLongUnsigned Value="00000011" />
            <DoubleLongUnsigned Value="00000000" />
            <DoubleLongUnsigned Value="00000000" />
        </Structure>
    </Data>
(26) .broadcast_frames_counter PASSED
    <Data>
        <Array Qty="0001" >
            <Structure Qty="0002" >
                <LongUnsigned Value="0C00" />
                <DoubleLongUnsigned Value="0000000B" />
            </Structure>
        </Array>
    </Data>
(27) .repetitions_counter PASSED
    <Data>
        <DoubleLongUnsigned Value="00000042" />
    </Data>
(28) .transmissions_counter PASSED
    <Data>
        <DoubleLongUnsigned Value="00000145" />
    </Data>
(29) .CRC_OK_frames_counter PASSED
    <Data>
        <DoubleLongUnsigned Value="00000408" />
    </Data>
(30) .CRC_NOK_frames_counter PASSED
    <Data>
        <DoubleLongUnsigned Value="00000B5D" />
    </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 PASSED
    <Data>
        <OctetString Value="00001A0600FF" />
    </Data>
(35) .reporting_system_list PASSED
    <Data>
        <Array Qty="0005" >
            <OctetString Value="0000000000000000" />
            <OctetString Value="0000000000000000" />
            <OctetString Value="0000000000000000" />
            <OctetString Value="0000000000000000" />
            <OctetString Value="0000000000000000" />
        </Array>
    </Data>

```

```

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

```

```

//*****
/** CTI L+G ZCXi10CP_20120829 *
//*****

```

```

// Conformance Test Information (CTI) - FIT 29-08-2012

// The CTI has a specified syntax but it's format is free

```

```

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

```

```

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

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

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

    // The serial number of the DUT is pa part of its syste title.
    SerialNr = 30800352 //1179648
    Type = '\\E450 IDIS ZCXi 1x0 xP xx xx xx.xx S2'
}

```

```

// Optional ''TestOptions''
TestOptions = {
}

```

```

// Mandatory ''ObjectMode'' structure
// *****
// It defines the variant of the object model that the iCTT uses for testing.
ObjectModel = {
    // Optional objects implemented
    OptionalObjects = '\\'
        + '1-0:0.9.1.255|1,' // Local Time (@86)
        + '1-0:0.9.2.255|1,' // Local Date (@90)
        + '0-2:96.3.10.255|70,' // Load Mgmt - Relay control 2 (@205)

```

```

+ '1-0:9.8.0.255|3,' // Apparent energy import (+VA) (QI+QIV) (@406)
+ '1-0:10.8.0.255|3,' // Apparent energy export (-VA) (QII+QIII) (@412)
+ '1-0:5.8.1.255|3,' // Reactive energy (QI) rate 1 (@515)
+ '1-0:5.8.2.255|3,' // Reactive energy (QI) rate 2 (@521)
+ '1-0:5.8.3.255|3,' // Reactive energy (QI) rate 3 (@527)
+ '1-0:5.8.4.255|3,' // Reactive energy (QI) rate 4 (@533)
+ '1-0:6.8.1.255|3,' // Reactive energy (QII) rate 1 (@539)
+ '1-0:6.8.2.255|3,' // Reactive energy (QII) rate 2 (@545)
+ '1-0:6.8.3.255|3,' // Reactive energy (QII) rate 3 (@551)
+ '1-0:6.8.4.255|3,' // Reactive energy (QII) rate 4 (@557)
+ '1-0:7.8.1.255|3,' // Reactive energy (QIII) rate 1 (@563)
+ '1-0:7.8.2.255|3,' // Reactive energy (QIII) rate 2 (@569)
+ '1-0:7.8.3.255|3,' // Reactive energy (QIII) rate 3 (@575)
+ '1-0:7.8.4.255|3,' // Reactive energy (QIII) rate 4 (@581)
+ '1-0:8.8.1.255|3,' // Reactive energy (QIV) rate 1 (@587)
+ '1-0:8.8.2.255|3,' // Reactive energy (QIV) rate 2 (@593)
+ '1-0:8.8.3.255|3,' // Reactive energy (QIV) rate 3 (@599)
+ '1-0:8.8.4.255|3,' // Reactive energy (QIV) rate 4 (@605)
+ '1-0:9.4.0.255|5,' // Demand Register 5 - Apparent energy import (+VA) (@736)
+ '1-0:10.4.0.255|5,' // Demand Register 6 - Apparent energy export (-VA) (@749)
+ '1-0:14.7.0.255|3,' // Instantaneous net frequency; any phase (@1359)
+ '1-0:9.7.0.255|3,' // Instantaneous apparent import power (+VA) (@1395)
+ '1-0:16.24.0.255|5,' // Average Net Power (|+A|-|-A|) (@1420)
+ '1-0:13.7.0.255|3,' // Instantaneous Power factor (+A/+VA) (@1446)
+ '1-0:13.5.0.255|4,' // Last Average Power factor (+A/+VA) (@1452)
+ '1-0:13.3.0.255|4,' // Minimum Power factor (+A/+VA) (@1460)
+ '1-0:0.8.2.255|3,' // Measurement Period 3 for Instantaneous values (@1468)
+ '0-1:24.6.0.255|74,' // M-Bus master port setup 2 (@1479)
+ '0-0:26.6.0.255|56' // S-FSK Reporting system list (@1978)

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

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

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

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

InstanceExtraInfo = {
  // Limiter (@213)
  LogicalName = '0-0:17.0.0.255'

```

```

ClassId = 71
  AttributeExtraInfo = {
    // actions
    AttributeId = 11
    AccessRights = [GET,SET]
  }
}

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

InstanceExtraInfo = {
  // Fraud Detection Log (@276)
  LogicalName = '0-0:99.98.1.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

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

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

InstanceExtraInfo = {
  // M-Bus Value channel 1, instance 1 (@1571)
  LogicalName = '0-1:24.2.1.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 1, instance 2 (@1579)
  LogicalName = '0-1:24.2.2.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

```

```

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

InstanceExtraInfo = {
    // M-Bus Value channel 1, instance 3 (@1587)
    LogicalName = '0-1:24.2.3.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 1, instance 4 (@1595)
    LogicalName = '0-1:24.2.4.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 2, instance 1 (@1603)
    LogicalName = '0-2:24.2.1.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 2, instance 2 (@1611)
    LogicalName = '0-2:24.2.2.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 2, instance 3 (@1619)
    LogicalName = '0-2:24.2.3.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit

```

```

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

InstanceExtraInfo = {
    // M-Bus Value channel 2, instance 4 (@1627)
    LogicalName = '0-2:24.2.4.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 3, instance 1 (@1635)
    LogicalName = '0-3:24.2.1.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 3, instance 2 (@1643)
    LogicalName = '0-3:24.2.2.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 3, instance 3 (@1651)
    LogicalName = '0-3:24.2.3.255'
    ClassId = 4
    AttributeExtraInfo = {
        // scaler_unit
        AttributeId = 3
        AccessRights = [GET,SET]
    }
    MethodExtraInfo = {
        // reset
        MethodId = 1
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    // M-Bus Value channel 3, instance 4 (@1659)
    LogicalName = '0-3:24.2.4.255'

```

```

ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 4, instance 1 (@1667)
  LogicalName = '0-4:24.2.1.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 4, instance 2 (@1675)
  LogicalName = '0-4:24.2.2.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 4, instance 3 (@1683)
  LogicalName = '0-4:24.2.3.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler_unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  // M-Bus Value channel 4, instance 4 (@1691)
  LogicalName = '0-4:24.2.4.255'
  ClassId = 4
  AttributeExtraInfo = {
    // scaler unit
    AttributeId = 3
    AccessRights = [GET,SET]
  }
  MethodExtraInfo = {
    // reset
    MethodId = 1
    AccessRights = [ACTION]
  }
}

```

```

InstanceExtraInfo = {
  // M-Bus Master Control log object 1 (@1850)
  LogicalName = '0-1:24.5.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // M-Bus Master Control log object 2 (@1861)
  LogicalName = '0-2:24.5.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // M-Bus Master Control log object 3 (@1872)
  LogicalName = '0-3:24.5.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  // M-Bus Master Control log object 4 (@1883)
  LogicalName = '0-4:24.5.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    // capture_objects
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

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

InstanceExtraInfo = {
  // S-FSK MAC counters (@1962)
  LogicalName = '0-0:26.3.0.255'
  ClassId = 53
  AttributeExtraInfo = {
    // repetitions_counter
    AttributeId = 5
    AccessRights = [GET,SET]
  }
  AttributeExtraInfo = {
    // transmissions_counter
    AttributeId = 6
    AccessRights = [GET,SET]
  }
  AttributeExtraInfo = {
    // CRC_OK_frames_counter
    AttributeId = 7
    AccessRights = [GET,SET]
  }
  AttributeExtraInfo = {
    // CRC_NOK_frames_counter
    AttributeId = 8

```

```

        AccessRights = [GET,SET]
    }
}

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

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

InstanceExtraInfo = {
    // Set clock to 31/08/2012 14:00:00
    LogicalName = '0-0:1.0.0.255'
    ClassId = 8
    AttributeExtraInfo = {
        AttributeId = 2
        //CHANGE HERE!!!
        SetData = '\<Data><OctetString Value="07DE0709FF080000008000FF" /></Data>'
    }
}

InstanceExtraInfo = {
    // Set special days to 30 entries
    LogicalName = '0-0:11.0.0.255'
    ClassId = 11
    AttributeExtraInfo = {
        AttributeId = 2
        SetData = '\<Data>'
+ '    <Array Qty="1E" >'
+ '        <Structure Qty="03" >'
+ '            <LongUnsigned Value="0001" />'
+ '            <OctetString Value="FFFF0101FF" />'
+ '            <Unsigned Value="02" />'
+ '        </Structure>'
+ '        <Structure Qty="03" >'
+ '            <LongUnsigned Value="0001" />'
+ '            <OctetString Value="FFFF0102FF" />'
+ '            <Unsigned Value="02" />'
+ '        </Structure>'
+ '        <Structure Qty="03" >'
+ '            <LongUnsigned Value="0001" />'
+ '            <OctetString Value="FFFF0103FF" />'
+ '            <Unsigned Value="02" />'
+ '        </Structure>'
+ '        <Structure Qty="03" >'
+ '            <LongUnsigned Value="0001" />'
+ '            <OctetString Value="FFFF0104FF" />'
+ '            <Unsigned Value="02" />'
+ '        </Structure>'
+ '        <Structure Qty="03" >'
+ '            <LongUnsigned Value="0001" />'
+ '            <OctetString Value="FFFF0105FF" />'
+ '            <Unsigned Value="02" />'
+ '        </Structure>'
+ '        <Structure Qty="03" >'
+ '            <LongUnsigned Value="0001" />'
+ '            <OctetString Value="FFFF0106FF" />'
+ '            <Unsigned Value="02" />'
+ '        </Structure>'
+ '        <Structure Qty="03" >'
+ '            <LongUnsigned Value="0001" />'
+ '            <OctetString Value="FFFF0107FF" />'
+ '            <Unsigned Value="02" />'
+ '        </Structure>'
+ '    </Array>'
+ '    </AttributeExtraInfo>'
+ '    </InstanceExtraInfo>'
}

```



```

+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0108FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0109FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF010AFF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0201FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0202FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0203FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0204FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0205FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0206FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0207FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0208FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0209FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF020AFF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0301FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'
+'        <LongUnsigned Value="0001" />'
+'        <OctetString Value="FFFF0302FF" />'
+'        <Unsigned Value="02" />'
+'      </Structure>'
+'      <Structure Qty="03" >'

```

```

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

// Mandatory 'TestParameters' structure
// *****
// Defines miscellaneous values used during the test
TestParameters = {
  // '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
  // The 'DefaultAccessTimeout' is the time (in ms) allowed to complete an
  // access (read, write or action)
  DefaultAccessTimeout = 360000
  // The accesses have a priority between 1 (highest priority) and 10 (lowest priority)
  DefaultPriority = 1
  // Optional delay (in ms) after executing the DisconnectControl (class 70)
  // connect and disconnect actions performed directly or via a script table.
  ConnectDisconnectDelay = 30000
  // Mandatory DC system title
  DCSystemTitle = '4C475A1169000000' //FIT DC/PLC modem
  // Mandatory structure for the ImageTransfer
  ImageTransfer = {
    // Image identifier as passed to the image_transfer_initiate method
    ImageIdentifier = '5374727563745F303100'
    // Filename of the image to transfer. If no filepath is given, then the file
    // is supposed to be in the same directory as the CTI file
    // ImageFileName = 'V48.01.01.CE_raw.bin' //the image file to be located in the CTI is!
    ImageFileName = '\\V43.01.01.SA_raw.bin' //the image file to be located in the CTI is!
    // Time (in ms) that the iCTT loops reading the image_transfer status waiting for changes
    Timeout = 450000//in milliseconds
  }
}

```

```

}
}

// 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 // was 60, disable periodic discovery
  TransmissionGain = 0
  ReceptionGain = 8
  BaudRate = 1
  InputFrequency = 0
  NbComOkDecrCredit = 3
  DecrCredit = 1
  IncrCredit = 2
  MaxRetry = 1//3
  RepeaterCallEnabled = 0
  RepeaterCallLevel = 1000
  NewBcplTSlotCount = 10
  AlarmMngtEnabled = 0 // was 1, Disable alarms
  AlarmMngtDelay = 0
  AutoDiscoveryPriority = 2
  FCTxValue = 100
}

// Mandatory 'SecurityElements'
// *****
// There is one structure per client, each specifies an 'EncryptionKey'
// and a 'Policy'. An encryption key is a visible-string of 32 characters,
// with each pair encoding one byte of a 16 bytes binary key.
// Policy is one of NO_SECURITY, AUTHENTICATION, ENCRYPTION or AUTHENTICATION_AND_ENCRYPTION
// StandardSecurityElements
// Mandatory, used for the standard access (DC and Java API).
// No context name is required. The DC selects the context according
// to the 'Policy' member. If zero, then the DC generates an AARQ with LONG_NAMES context.
// If positive then the DC generates an AARQ with LONG_NAME_WITH_CIPHERING context.
StandardSecurityElements = {
  Public = {
    MechanismName = LOWEST_LEVEL_SECURITY
    Policy = NO_SECURITY
  }
  Management = {
    //MechanismName = HIGH_LEVEL_SECURITY_GMAC//LOW_LEVEL_SECURITY
    //Policy = NO_SECURITY//ENCRYPTION//NO_SECURITY//AUTHENTICATION_AND_ENCRYPTION
    //Password = '\12345678'
    ContextName = LONG_NAMES_WITH_CIPHERING //LONG_NAMES_WITH_CIPHERING//LONG_NAMES
    MechanismName = HIGH_LEVEL_SECURITY_GMAC //HIGH_LEVEL_SECURITY_GMAC//LOW_LEVEL_SECURITY
    Policy = NO_SECURITY //ENCRYPTION//NO_SECURITY//AUTHENTICATION_AND_ENCRYPTION
    Password = '\12345678'
  }
  PreEstablished = {
    Policy = NO_SECURITY //ENCRYPTION//NO_SECURITY
  }
}

// TunnelSecurityElements
// Mandatory, used when making tunneled accesses.
TunnelSecurityElements = {
  Public = {
    ContextName = LONG_NAMES
    MechanismName = LOWEST_LEVEL_SECURITY
    Policy = NO_SECURITY
  }
  Management = {
    ContextName = LONG_NAMES_WITH_CIPHERING //LONG_NAMES_WITH_CIPHERING//LONG_NAMES

```

```

    MechanismName = HIGH_LEVEL_SECURITY_GMAC //HIGH_LEVEL_SECURITY_GMAC//LOW_LEVEL_SECURITY
    Policy = AUTHENTICATION_AND_ENCRYPTION
//ENCRYPTION//NO_SECURITY//AUTHENTICATION//AUTHENTICATION_AND_ENCRYPTION
    Password = '\12345678'
}
PreEstablished = {
    Policy = AUTHENTICATION_AND_ENCRYPTION
//ENCRYPTION//NO_SECURITY//AUTHENTICATION//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///LONG_NAMES
        MechanismName = HIGH_LEVEL_SECURITY_GMAC//LOWEST_LEVEL_SECURITY
        Policy = NO_SECURITY
        Password = '\12345678'
    }
    PreEstablished = {
        Policy = NO_SECURITY
    }
}

// Parameters of the ''Local'' HDLC Profile
HDLCProfile = {
    PhysicalLayer = {
        OpeningMode = DIRECT_HDLC
        HdlcBaud = 9600
    }
    DataLinkLayer = {
        InactivityTimeout = 120000
        InterFrameTimeout = 100
        ResponseTimeout = 2000
        DISCToNDMTimeout = 2000
        AddressingSchemes = [ONE_BYTE_ADDRESSING]
    }
}
}
// END CTI_Template

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

TestMode:                Tunnel
Test Plan Signature:     4F07F91766A7531EF6A0390DFB5FA498
Object Model:            IDIS - object model - V1.24 (20111025)-MBUS Ref 1.xlsx
DUT system title:       4C475A6471D5F9E0
DC MeterId:              LGZ6471D5F9E0
Run number:              63
--

B3DAD332E96651F6A32780C491EC5D9E

```