

Final Interoperability Test Report

FIT #: **8**
 Date: 07.11.2013
 Location: Zug, Switzerland
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APPLICANT

Company: Iskraemeco d.d.
 Address: Savska Loka 4, 4000 Kranj, Slovenia

DEVICE		
Device type	ME381 H2, ME381	
<i>Type indication on MID certificate</i>		<i>MID Certificate No.</i>
ME381 H2, ME381		13MID006, 14MID001
<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	75	49C39998E3C188DC6CBC8235194811CE
<i>First certification</i>	<i>IDIS Label</i>	<i>Modular device</i>
<input checked="" type="checkbox"/>		<input type="checkbox"/>
<i>General information about the device</i>		

FIRMWARE VERSIONS TESTED				<i>Final Integration Test No. 8</i>
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	Verdict
1	ISKACME381100800	ISKAMME381100801		Passed

Elster GmbH

Iskraemeco d.d.

Itron

Landis+Gyr AG

Fit #8

Device:ME381 H2, ME381

Zug, Switzerland, 07.11.2013

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FIRMWARE VERSIONS HISTORY				<i>Final Integration Test</i>	
Firmware No.	Firmware ID1	Firmware ID2	Firmware ID3	No.	Verdict
1	ISKACME381100800	ISKAMME381100801		8	Passed

Fit #8

Device:ME381 H2, ME381

Zug, Switzerland, 07.11.2013

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TEST REPORT - Firmware No. 1		
<i>Test</i>	<i>Verdict</i>	<i>Remark</i>
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	

```

*****
IDIS Conformance test report
06-NOV-2013 18:22:42
iCTT Package 1, Edition 1.1, Revision 1 (209)
Licensed to: IDIS Assoc.
Tester: info@idis-association.com
*****
    
```

```

*****
* Identification *
*****
    
```

```

Manufacturer = {
  Name = '\The Manufacturer'
  ThreeLettersId = '\ISK'
}
DeviceUnderTest = {
  IDISDeviceType = 100
  IDISFunctionType = [EXTENSION_D, EXTENSION_L, EXTENSION_M]
  SerialNr = 51723919
  Type = '\ME381 H2'
}
    
```

```

Active firmware version (1-0:0.2.0.255) = \ISKACME381100800
Active firmware version 1 (1-1:0.2.0.255) = \ISKAMME381100801
    
```

```

*****
* Summary *
*****
    
```

```

PASSED                198
FAILED                 0
DISABLED              40
INAPPLICABLE          4
INCONCLUSIVE          0
FATAL                 0
TOTAL                 242
    
```

```

*****
Test Case 1 : Discovery, 1 item(s)
*****
(1) Meter Discovery                                     PASSED
    
```

```

*****
Test Case 2 : Connect and release, 4 item(s)
*****
(1) Connect Public                                     PASSED
(2) Release Public                                     PASSED
(3) Connect Management                                 PASSED
(4) Release Management                                 PASSED
    
```

```

*****
Test Case 3 : Read S-FSK settings, 35 item(s)
*****

Mngmt Get S-FSK Phy&MAC setup 0-0:26.0.0.255 (@1933)
(1) .logical_name                                     PASSED
    <Data>
      <OctetString Value="00001A0000FF" />
    </Data>
(2) .initiator_electrical_phase                       PASSED
    <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="62" />
    </Data>
(7) .frequencies PASSED
    <Data>
        <Structure Qty="0002" >
            <DoubleLongUnsigned Value="0000F744" />
            <DoubleLongUnsigned Value="00012110" />
        </Structure>
    </Data>
(8) .mac_address PASSED
    <Data>
        <LongUnsigned Value="0006" />
    </Data>
(9) .mac_group_addresses PASSED
    <Data>
        <Array Qty="0005" >
            <LongUnsigned Value="0000" />
            <LongUnsigned Value="0000" />
            <LongUnsigned Value="0000" />
            <LongUnsigned Value="0000" />
            <LongUnsigned Value="0000" />
        </Array>
    </Data>
(10) .repeater PASSED
    <Data>
        <Enum Value="02" />
    </Data>
(11) .repeater_status PASSED
    <Data>
        <Bool Value="00" />
    </Data>
(12) .min_delta_credit PASSED
    <Data>
        <Unsigned Value="00" />
    </Data>
(13) .initiator_mac_address PASSED
    <Data>
        <LongUnsigned Value="0C00" />
    </Data>
(14) .synchronization_locked PASSED
    <Data>
        <Bool Value="01" />
    </Data>
(15) .transmission_speed PASSED
    <Data>
        <Enum Value="03" />
    </Data>

Mngmt Get S-FSK Active Initiator 0-0:26.1.0.255 (@1950)
(16) .logical_name PASSED
    <Data>
        <OctetString Value="00001A0100FF" />
    </Data>
(17) .active_initiator PASSED

```

```

    <Data>
      <Structure Qty="0003" >
        <OctetString Value="4C475A1169000000" />
        <LongUnsigned Value="0C00" />
        <Unsigned Value="01" />
      </Structure>
    </Data>

Mngmt Get S-FSK MAC synchronisation timeouts 0-0:26.2.0.255 (@1955)
(18) .logical_name PASSED
    <Data>
      <OctetString Value="00001A0200FF" />
    </Data>
(19) .search_initiator_timeout PASSED
    <Data>
      <LongUnsigned Value="0000" />
    </Data>
(20) .synchronization_confirmation_timeout PASSED
    <Data>
      <LongUnsigned Value="0028" />
    </Data>
(21) .timeout_not_addressed PASSED
    <Data>
      <LongUnsigned Value="02D0" />
    </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="0004" >
        <Structure Qty="0002" >
          <LongUnsigned Value="0C00" />
          <DoubleLongUnsigned Value="00000003" />
        </Structure>
        <Structure Qty="0002" >
          <LongUnsigned Value="0000" />
          <DoubleLongUnsigned Value="00000000" />
        </Structure>
        <Structure Qty="0002" >
          <LongUnsigned Value="0000" />
          <DoubleLongUnsigned Value="00000000" />
        </Structure>
        <Structure Qty="0002" >
          <LongUnsigned Value="0000" />
          <DoubleLongUnsigned Value="00000000" />
        </Structure>
      </Array>
    </Data>
(25) .desynchronization_listing PASSED
    <Data>
      <Structure Qty="0005" >
        <DoubleLongUnsigned Value="00000002" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000002" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
    </Data>

```

```

(26) .broadcast_frames_counter PASSED
    <Data>
      <Array Qty="0004" >
        <Structure Qty="0002" >
          <LongUnsigned Value="0C00" />
          <DoubleLongUnsigned Value="00000017" />
        </Structure>
        <Structure Qty="0002" >
          <LongUnsigned Value="0000" />
          <DoubleLongUnsigned Value="00000000" />
        </Structure>
        <Structure Qty="0002" >
          <LongUnsigned Value="0000" />
          <DoubleLongUnsigned Value="00000000" />
        </Structure>
        <Structure Qty="0002" >
          <LongUnsigned Value="0000" />
          <DoubleLongUnsigned Value="00000000" />
        </Structure>
      </Array>
    </Data>
(27) .repetitions_counter PASSED
    <Data>
      <DoubleLongUnsigned Value="00000000" />
    </Data>
(28) .transmissions_counter PASSED
    <Data>
      <DoubleLongUnsigned Value="00000029" />
    </Data>
(29) .CRC_OK_frames_counter PASSED
    <Data>
      <DoubleLongUnsigned Value="000000E2" />
    </Data>
(30) .CRC_NOK_frames_counter PASSED
    <Data>
      <DoubleLongUnsigned Value="00000000" />
    </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="\ELSep5P0" />

```

```

    <OctetString Value="454C5365704C896B" />
    <OctetString Value="49534B6573153E90" />
    <OctetString Value="454C536452172639" />
    <OctetString Value="4C475A6570DBAAC5" />
  </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="\51723919" />
    </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="" />
    </Data>

Mngmt Get Device ID 3 0-0:96.1.2.255 (@54)
(5) .logical_name PASSED
    <Data>
      <OctetString Value="0000600102FF" />
    </Data>
(6) .value PASSED
    <Data>
      <OctetString Value="" />
    </Data>

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

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

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

```



```
(12) .value                                     PASSED
      <Data>
        <OctetString Value="" />
      </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="\ISK1000751723919" />
        </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="\ISK1000751723919" />
    </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="\ISKACME381100800" />
    </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="C9CF586891FD55A8BA902634A5E911EF" />
    </Data>

Mngmt Get Active firmware version 1 1-1:0.2.0.255 (@329)
(5) .logical_name                               PASSED
    <Data>
      <OctetString Value="0101000200FF" />
```

```

        </Data>
(6) .value                                     PASSED
        <Data>
            <OctetString Value="\ISKAMME381100801" />
        </Data>

Mngmt Get Active firmware version signature 1 1-1:0.2.8.255 (@333)
(7) .logical_name                             PASSED
        <Data>
            <OctetString Value="0101000208FF" />
        </Data>
(8) .value                                     PASSED
        <Data>
            <OctetString Value="35F93CAB57A977155E4E1027028B1EC7" />
        </Data>

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="07DC0101FF071D34FF8000FF" />
        </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="07DC010107071D3B00FFC400" />
        </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>
            </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>
</Array>
</Data>

```

 Test Case 11 : Read Special Days Table, 1 item(s)

Mngmt Get Special Days Table 0-0:11.0.0.255 (@113)
 (1) .entries

PASSED

```

  <_Data>
    <Array Qty="001E" >
      <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0101FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0102FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0103FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0104FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0105FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0106FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0107FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0108FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="0001" />
        <OctetString Value="FFFF0109FF" />
        <Unsigned Value="02" />
      </Structure>
      <Structure Qty="0003" >
        <LongUnsigned Value="0001" />

```

```
<OctetString Value="FFFF010AFF" />
<Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0201FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0202FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0203FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0204FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0205FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0206FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0207FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0208FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0209FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF020AFF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0301FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0302FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0303FF" />
```

```

    <Unsigned Value="02" />
  </Structure>
  <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

PASSED

```

  entries_in_use: 25
  <Data>
    <DoubleLongUnsigned Value="00000019" />
  </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="0000600B02FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>

```

```
</Data>
Buffer has 25 elements:
<_Data>
  <Array Qty="0019" >
    <Structure Qty="0002" >
      <OctetString Value="07DD0A1E0311081D00FFC400" />
      <Enum Value="FF" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DD0A1E0311092500FFC400" />
      <Enum Value="3E" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DD0A1E0311092800FFC400" />
      <Enum Value="3F" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DD0A1E0311092A00FFC400" />
      <Enum Value="3E" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DD0A1E0311092D00FFC400" />
      <Enum Value="3F" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB090306160F0400FF8880" />
      <Enum Value="3E" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB090306160F1700FF8880" />
      <Enum Value="3F" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB090306160F1700FF8880" />
      <Enum Value="3B" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB090306160F2E00FF8880" />
      <Enum Value="3E" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB09030616100600FF8880" />
      <Enum Value="3F" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB09030616101E00FF8880" />
      <Enum Value="3E" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB09030616103400FF8880" />
      <Enum Value="3F" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB09030616103400FF8880" />
      <Enum Value="3B" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB09030616110E00FF8880" />
      <Enum Value="3E" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB09030616112200FF8880" />
      <Enum Value="3F" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB09030616113800FF8880" />
```



```

    <Enum Value="3E" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB09030616120F00FF8880" />
    <Enum Value="3F" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB09030616120F00FF8880" />
    <Enum Value="3B" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB09030616122700FF8880" />
    <Enum Value="3E" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB09030616123B00FF8880" />
    <Enum Value="3F" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB09030616123B00FF8880" />
    <Enum Value="3B" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB09030616183A00FF8880" />
    <Enum Value="3E" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB09030616190600FF8880" />
    <Enum Value="3F" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DD0B01050C050000FFC400" />
    <Enum Value="40" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DD0B01050C0A0000FFC400" />
    <Enum Value="45" />
  </Structure>
</Array>
</_Data>

```

Earliest date: 03-SEP-2011 22:15:04, latest date: 01-NOV-2013 12:10:00
 Middle date: 03-SEP-2011 22:16:52

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

(2) .buffer

entries_in_use: 100

<Data>

<DoubleLongUnsigned Value="00000064" />

</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>

PASSED

Buffer has 100 elements:

```
<_Data>
  <Array Qty="0064" >
    <Structure Qty="0002" >
      <OctetString Value="07DB0903060C010400FF8880" />
      <Enum Value="2F" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB0903060C011B00FF8880" />
      <Enum Value="04" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB09030616182500FF8880" />
      <Enum Value="05" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB09030616182600FF8880" />
      <Enum Value="13" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB09030616182600FF8880" />
      <Enum Value="2F" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB09030616182C00FF8880" />
      <Enum Value="E7" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB09030616183500FF8880" />
      <Enum Value="2F" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB09030616190E00FF8880" />
      <Enum Value="2F" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB09030616191400FF8880" />
      <Enum Value="04" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DD0B01050C000000FFC400" />
      <Enum Value="E7" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DD0B01050C000000FFC400" />
      <Enum Value="05" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DD0B01050C000100FFC400" />
      <Enum Value="2F" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DD0B01050C000400FFC400" />
      <Enum Value="04" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DD0B01050C043700FFC400" />
      <Enum Value="05" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DD0B01050C051100FFC400" />
      <Enum Value="2F" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DD0B01050C051500FFC400" />
      <Enum Value="04" />
    </Structure>
  </Array>
</_Data>
```

```
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DD0B01050C093700FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DD0B01050C0A1100FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB090306161A0B00FF8880" />
  <Enum Value="E7" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB090306161A0B00FF8880" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB090306161A1100FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616200500FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616200D00FF8880" />
  <Enum Value="13" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616200D00FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616202F00FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616203B00FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616210600FF8880" />
  <Enum Value="13" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616210600FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616212A00FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616213600FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616220200FF8880" />
  <Enum Value="13" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616220200FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
```

```
<OctetString Value="07DB09030616230F00FF8880" />
<Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616232100FF8880" />
  <Enum Value="13" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616232100FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616240F00FF8880" />
  <Enum Value="13" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616240F00FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616243B00FF8880" />
  <Enum Value="30" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616250700FF8880" />
  <Enum Value="30" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616251200FF8880" />
  <Enum Value="13" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616251200FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616251400FF8880" />
  <Enum Value="30" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616252B00FF8880" />
  <Enum Value="13" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616252B00FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616260000FF8880" />
  <Enum Value="30" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616260E00FF8880" />
  <Enum Value="30" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616261400FF8880" />
  <Enum Value="30" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616262200FF8880" />
  <Enum Value="30" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616262200FF8880" />
  <Enum Value="30" />
</Structure>
```

```
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616262200FF8880" />
  <Enum Value="30" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616262600FF8880" />
  <Enum Value="13" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616262600FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616263500FF8880" />
  <Enum Value="30" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616263500FF8880" />
  <Enum Value="30" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616263500FF8880" />
  <Enum Value="30" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616283200FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616290E00FF8880" />
  <Enum Value="33" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09030616291000FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09040700182500FF8880" />
  <Enum Value="11" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09040700183600FF8880" />
  <Enum Value="12" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09040700191400FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09040702083600FF8880" />
  <Enum Value="11" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09040702090600FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB090407020A0000FF8880" />
  <Enum Value="12" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB09040713133000FF8880" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
```

```
<OctetString Value="07DB09080410093300FF8880" />
<Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB090804100B0A00FF8880" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB090804100B1900FF8880" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB090804100C2F00FF8880" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB090804100F2800FF8880" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DD0B06030A0E1300FFC400" />
  <Enum Value="E7" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DD0B06030A0E1300FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DD0B06030A113500FFC400" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DD0B06030A121900FFC400" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DD0B06030A251900FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC010107071D3400FFC400" />
  <Enum Value="E7" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC010107071D3400FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC010107071E0200FFC400" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC010107071E0800FFC400" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC010107071E0E00FFC400" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC01010709000500FFC400" />
  <Enum Value="E6" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC01010709000A00FFC400" />
  <Enum Value="E6" />
</Structure>
```

```
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC01010709001000FFC400" />
  <Enum Value="E6" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC01010709001500FFC400" />
  <Enum Value="E6" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC0101070B162800FFC400" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC0101070B171200FFC400" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC0101070B1B0800FFC400" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC0101070B1B0B00FFC400" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC0101070B1D1800FFC400" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC0101070B230F00FFC400" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC0101070C203000FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC010107071D3400FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC010107071E0A00FFC400" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC010107071E1600FFC400" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC010107071E1F00FFC400" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC0101070A130E00FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC010107071D3400FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC010107071E0600FFC400" />
  <Enum Value="2F" />
</Structure>
<Structure Qty="0002" >
```

```

    <OctetString Value="07DC010107071E0F00FFC400" />
    <Enum Value="2F" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DC010107071E1B00FFC400" />
    <Enum Value="2F" />
  </Structure>
</Array>
</_Data>

```

Earliest date: 03-SEP-2011 12:01:04, latest date: 06-NOV-2013 10:37:25

Middle date: 03-SEP-2011 22:38:38

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

(3) .buffer

PASSED

entries_in_use: 16

```

  <Data>
    <DoubleLongUnsigned Value="00000010" />
  </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 16 elements:

```

  <_Data>
    <Array Qty="0010" >
      <Structure Qty="0002" >
        <OctetString Value="07DD0A1E0311081D00FFC400" />
        <Enum Value="FF" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DB090205000C0A00FF8880" />
        <Enum Value="28" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DB090205000C2500FF8880" />
        <Enum Value="28" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DB090205000E1000FF8880" />
        <Enum Value="28" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DB090205000F0300FF8880" />
        <Enum Value="28" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DB090205000F1000FF8880" />
        <Enum Value="28" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DB09020500120400FF8880" />
        <Enum Value="2C" />
      </Structure>
    </Array>
  </_Data>

```



```

    <Structure Qty="0002" >
      <OctetString Value="07DB09030614191700FF8880" />
      <Enum Value="2C" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB090306141D1C00FF8880" />
      <Enum Value="28" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB090306141D1C00FF8880" />
      <Enum Value="2C" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB09030614263000FF8880" />
      <Enum Value="2C" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB09030616231D00FF8880" />
      <Enum Value="32" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB09080410093400FF8880" />
      <Enum Value="28" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB09080410093400FF8880" />
      <Enum Value="2C" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DC010107080D2B00FFC400" />
      <Enum Value="28" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DC010107073A2700FFC400" />
      <Enum Value="28" />
    </Structure>
  </Array>
</_Data>

```

Earliest date: 02-SEP-2011 00:12:10, latest date: 30-OCT-2013 17:08:29

Middle date: 03-SEP-2011 20:29:28

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

(4) .buffer

PASSED

entries_in_use: 21

```

<Data>
  <DoubleLongUnsigned Value="00000015" />
</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 21 elements:

```

<_Data>

```

```
<Array Qty="0015" >
  <Structure Qty="0002" >
    <OctetString Value="07DD0A1E0311081D00FFC400" />
    <Enum Value="FF" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB09020500050A00FF8880" />
    <Enum Value="52" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB09020500050A00FF8880" />
    <Enum Value="55" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB090205000B3A00FF8880" />
    <Enum Value="52" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB090205000B3A00FF8880" />
    <Enum Value="55" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB090205000D3200FF8880" />
    <Enum Value="52" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB090205000D3200FF8880" />
    <Enum Value="55" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB090205000D3700FF8880" />
    <Enum Value="4C" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB090205000D3700FF8880" />
    <Enum Value="55" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB09030614191700FF8880" />
    <Enum Value="52" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB09030614191700FF8880" />
    <Enum Value="55" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB09030614263000FF8880" />
    <Enum Value="52" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB09030614263000FF8880" />
    <Enum Value="55" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB09080410093400FF8880" />
    <Enum Value="52" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB09080410093400FF8880" />
    <Enum Value="55" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB090804100C3000FF8880" />
    <Enum Value="52" />
  </Structure>
  <Structure Qty="0002" >
```

```

    <OctetString Value="07DB090804100C3000FF8880" />
    <Enum Value="55" />
  </Structure>
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DD0B06030A121B00FFC400" />
  <Enum Value="52" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DD0B06030A121B00FFC400" />
  <Enum Value="55" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC0101070B171300FFC400" />
  <Enum Value="52" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC0101070B171300FFC400" />
  <Enum Value="55" />
</Structure>
</Array>
</_Data>

```

Earliest date: 02-SEP-2011 00:05:10, latest date: 06-NOV-2013 10:18:27
 Middle date: 03-SEP-2011 20:25:23

 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: 12
  <Data>
    <DoubleLongUnsigned Value="0000000C" />
  </Data>
  capture_objects:
  <Data>
    <Array Qty="0003" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="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>
    </Array>
  </Data>

```

Buffer has 12 elements:

```

  <_Data>
    <Array Qty="000C" >
      <Structure Qty="0003" >
        <OctetString Value="07DD0A1E0311092400FFC400" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0003" >

```

```

    <OctetString Value="07DD0A1E0311092500FFC400" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DD0A1E0311092500FFC400" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DD0A1E0311092500FFC400" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DD0A1E0311092500FFC400" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DD0A1E0311092500FFC400" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DD0B010500000000FFC400" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB09010400000000FF8880" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB09030616182C00FF8880" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB0A010600000000FF8880" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DD0C010700000000FFC400" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB0A010600000000FF8880" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DD0C010700000000FFC400" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
</Array>
</_Data>
Earliest date: 01-SEP-2011 00:00:00, latest date: 01-DEC-2013 00:00:00
Middle date: 01-SEP-2011 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
<Data>

```

PASSED

```

    <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="0000000000000000" />
        <OctetString Value="0000000000000000" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="0000000000000000" />
        <OctetString Value="0000000000000000" />
      </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="D9" />
  </Data>
(10) .status PASSED
  <Data>
    <Unsigned Value="40" />
  </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="0000000000000000" />
      <OctetString Value="0000000000000000" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="0000000000000000" />
      <OctetString Value="0000000000000000" />
    </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="06" />
  </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="0000000000000000" />
        <OctetString Value="0000000000000000" />
    </Structure>
    <Structure Qty="0002" >
        <OctetString Value="0000000000000000" />
        <OctetString Value="0000000000000000" />
    </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="07" />
    </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="0000000000000000" />
      <OctetString Value="0000000000000000" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="0000000000000000" />
      <OctetString Value="0000000000000000" />
    </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="0C" />
  </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="05F5DD54" />
  </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>

```



```
</Data>

Mngmt Get M-Bus Value channel 1, instance 2 0-1:24.2.2.255 (@1579)
(49) .value PASSED
    <Data>
        <DoubleLongUnsigned Value="000004E6" />
    </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>

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="00" />
    </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="00" />
    </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="00" />
    </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="00" />
    </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="00" />
    </Data>

Mngmt Get M-Bus Value channel 4, instance 2 0-4:24.2.2.255 (@1675)
(97) .value PASSED
    <Data>
      <DoubleLongUnsigned Value="000004AF" />
    </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>

Mngmt Get M-Bus Device ID 1 channel 1 0-1:96.1.0.255 (@1699)
(109) .value PASSED
    <Data>
      <OctetString Value="\00000540018495112" />
    </Data>

Mngmt Get M-Bus Device ID 1 channel 2 0-2:96.1.0.255 (@1703)
(110) .value PASSED
    <Data>
      <OctetString Value="\00000540018495212" />
    </Data>

```

```

Mngmt Get M-Bus Device ID 1 channel 3 0-3:96.1.0.255 (@1707)
(111) .value
    <Data>
        <OctetString Value="\00000540018495312" />
    </Data>
    PASSED

Mngmt Get M-Bus Device ID 1 channel 4 0-4:96.1.0.255 (@1711)
(112) .value
    <Data>
        <OctetString Value="\00000540018495412" />
    </Data>
    PASSED

Mngmt Get M-Bus Master Load profile for channel 1 0-1:24.3.0.255 (@1747)
(113) .buffer
    entries_in_use: 65
    <Data>
        <DoubleLongUnsigned Value="00000041" />
    </Data>
    capture_objects:
    <Data>
        <Array Qty="0003" >
            <Structure Qty="0004" >
                <LongUnsigned Value="0008" />
                <OctetString Value="0000010000FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0001" />
                <OctetString Value="0001600A03FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
            <Structure Qty="0004" >
                <LongUnsigned Value="0004" />
                <OctetString Value="0001180201FF" />
                <Integer Value="02" />
                <LongUnsigned Value="0000" />
            </Structure>
        </Array>
    </Data>
    Buffer has 65 elements:
    <_Data>
        <Array Qty="0041" >
            <Structure Qty="0003" >
                <OctetString Value="07DB08020201000000FF8880" />
                <Unsigned Value="08" />
                <DoubleLongUnsigned Value="00000000" />
            </Structure>
            <Structure Qty="0003" >
                <OctetString Value="07DB08020200000000FF8880" />
                <Unsigned Value="08" />
                <DoubleLongUnsigned Value="00000000" />
            </Structure>
            <Structure Qty="0003" >
                <NullData />
                <Unsigned Value="28" />
                <DoubleLongUnsigned Value="00000000" />
            </Structure>
            <Structure Qty="0003" >
                <OctetString Value="07DB08040400000000FF8880" />
                <Unsigned Value="28" />
                <DoubleLongUnsigned Value="00000000" />
            </Structure>
            <Structure Qty="0003" >

```

```
<NullData />
<Unsigned Value="28" />
<DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB08050500000000FF8880" />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB08070700000000FF8880" />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB08090200000000FF8880" />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB080A0300000000FF8880" />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB09020500000000FF8880" />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="88" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB09030615000000FF8880" />
  <Unsigned Value="88" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
```

```
<Unsigned Value="28" />
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  <DoubleLongUnsigned Value="00000000" />
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</Structure>
<Structure Qty="0003" >
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  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
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  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
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<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
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  <OctetString Value="07DB09030617000000FF8880" />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
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    <DoubleLongUnsigned Value="00000000" />
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  <NullData />
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</Structure>
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  <Unsigned Value="A0" />
  <DoubleLongUnsigned Value="05F5DD1B" />
</Structure>
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  <Unsigned Value="20" />
  <DoubleLongUnsigned Value="05F5DD1B" />
</Structure>
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</Structure>
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```

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</Structure>
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</Structure>
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```

Earliest date: 02-AUG-2011 00:00:00, latest date: 06-NOV-2013 11:00:00

Middle date: 08-SEP-2011 17:00:00

(114) .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="0001600A03FF" />
      <Integer Value="02" />
      <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0004" >
      <LongUnsigned Value="0004" />
      <OctetString Value="0001180201FF" />
      <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="00000041" />
    </Data>

Mngmt Get M-Bus Master Load profile for channel 2 0-2:24.3.0.255 (@1758)
(117) .buffer PASSED
  entries_in_use: 65
  <Data>
    <DoubleLongUnsigned Value="00000041" />
  </Data>
  capture_objects:
  <Data>
    <Array Qty="0003" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0002600A03FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0002180201FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>
  Buffer has 65 elements:
  <_Data>
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      <Structure Qty="0003" >
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        <Unsigned Value="08" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0003" >
        <OctetString Value="07DB08020200000000FF8880" />
        <Unsigned Value="08" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0003" >
        <NullData />
        <Unsigned Value="28" />
        <DoubleLongUnsigned Value="00000000" />
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      <Structure Qty="0003" >
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        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0003" >
        <NullData />
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        <DoubleLongUnsigned Value="00000000" />
      </Structure>
    </Array>
  </_Data>

```

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  <DoubleLongUnsigned Value="00000000" />
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  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
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  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
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  <Unsigned Value="28" />
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</Structure>
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  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
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  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
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  <Unsigned Value="28" />
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<Structure Qty="0003" >
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<Structure Qty="0003" >
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  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
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  <Unsigned Value="88" />
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  <DoubleLongUnsigned Value="00000000" />
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<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
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```

```
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  <Unsigned Value="28" />
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<Structure Qty="0003" >
  <NullData />
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  <DoubleLongUnsigned Value="00000000" />
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  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
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```



```
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  <DoubleLongUnsigned Value="00000000" />
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  <NullData />
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  <DoubleLongUnsigned Value="00000000" />
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  <DoubleLongUnsigned Value="00000000" />
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  <NullData />
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  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
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  <NullData />
  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
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  <Unsigned Value="88" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
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  <Unsigned Value="A8" />
  <DoubleLongUnsigned Value="05F5DD18" />
</Structure>
<Structure Qty="0003" >
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  <Unsigned Value="A0" />
  <DoubleLongUnsigned Value="05F5DD18" />
</Structure>
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  <Unsigned Value="20" />
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</Structure>
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</Structure>
<Structure Qty="0003" >
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```

```

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  <Unsigned Value="20" />
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</Structure>
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  <Unsigned Value="00" />
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</Structure>
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</Array>
</_Data>

```

Earliest date: 02-AUG-2011 00:00:00, latest date: 06-NOV-2013 11:00:00

Middle date: 08-SEP-2011 17:00:00

(118) .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="0002600A03FF" />
      <Integer Value="02" />
      <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0004" >
      <LongUnsigned Value="0004" />
      <OctetString Value="0002180201FF" />
      <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="00000041" />
  </Data>

Mngmt Get M-Bus Master Load profile for channel 3 0-3:24.3.0.255 (@1769)
(121) .buffer                                           PASSED
  entries_in_use: 65
  <Data>
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  </Data>
  capture_objects:
  <Data>
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      <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>
    </Array>
  </Data>
  Buffer has 65 elements:
  <_Data>
    <Array Qty="0041" >
      <Structure Qty="0003" >
        <OctetString Value="07DB08020201000000FF8880" />
        <Unsigned Value="08" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0003" >
        <OctetString Value="07DB08020200000000FF8880" />
        <Unsigned Value="08" />
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        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0003" >
        <NullData />
        <Unsigned Value="28" />
        <DoubleLongUnsigned Value="00000000" />
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      <Structure Qty="0003" >
        <OctetString Value="07DB08050500000000FF8880" />

```

```
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  <Unsigned Value="28" />
```



```
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  <Unsigned Value="28" />
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</Structure>
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  <Unsigned Value="08" />
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  <Unsigned Value="28" />
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  <Unsigned Value="08" />
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<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB09030617000000FF8880" />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DD0B01050C000000FFC400" />
  <Unsigned Value="00" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="20" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB09030617000000FF8880" />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
```



```
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="88" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB09080411000000FF8880" />
  <Unsigned Value="A8" />
  <DoubleLongUnsigned Value="05F5DD1C" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DD0B06030B000000FFC400" />
  <Unsigned Value="A0" />
  <DoubleLongUnsigned Value="05F5DD1C" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DC01010708000000FFC400" />
  <Unsigned Value="20" />
  <DoubleLongUnsigned Value="05F5DD1C" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="00" />
  <DoubleLongUnsigned Value="05F5DD1C" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="00" />
  <DoubleLongUnsigned Value="05F5DD1C" />
</Structure>
<Structure Qty="0003" >
```

```

    <NullData />
    <Unsigned Value="00" />
    <DoubleLongUnsigned Value="05F5DD1C" />
  </Structure>
</Array>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="80" />
  <DoubleLongUnsigned Value="05F5DD1C" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="20" />
  <DoubleLongUnsigned Value="05F5DD1C" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DC01010708000000FFC400" />
  <Unsigned Value="20" />
  <DoubleLongUnsigned Value="05F5DD1C" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="00" />
  <DoubleLongUnsigned Value="05F5DD1C" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="00" />
  <DoubleLongUnsigned Value="05F5DD1C" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="20" />
  <DoubleLongUnsigned Value="05F5DD21" />
</Structure>
</Array>
</_Data>

```

Earliest date: 02-AUG-2011 00:00:00, latest date: 06-NOV-2013 11:00:00

Middle date: 08-SEP-2011 17:00:00

(122) .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="0003600A03FF" />
      <Integer Value="02" />
      <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0004" >
      <LongUnsigned Value="0004" />
      <OctetString Value="0003180201FF" />
      <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="00000041" />
</Data>

```

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

PASSED

```

entries_in_use: 65
  <Data>
    <DoubleLongUnsigned Value="00000041" />
  </Data>
capture_objects:
  <Data>
    <Array Qty="0003" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0004600A03FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0004180201FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>

```

Buffer has 65 elements:

```

<_Data>
  <Array Qty="0041" >
    <Structure Qty="0003" >
      <OctetString Value="07DB08020201000000FF8880" />
      <Unsigned Value="08" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07DB08020200000000FF8880" />
      <Unsigned Value="08" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0003" >
      <NullData />
      <Unsigned Value="28" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07DB08040400000000FF8880" />
      <Unsigned Value="28" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0003" >
      <NullData />
      <Unsigned Value="28" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07DB08050500000000FF8880" />
      <Unsigned Value="28" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
  </Array>

```

```
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB08070700000000FF8880" />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB08090200000000FF8880" />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB080A0300000000FF8880" />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB09020500000000FF8880" />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="88" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB09030615000000FF8880" />
  <Unsigned Value="88" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB09030616000000FF8880" />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
```

```
<NullData />
<Unsigned Value="28" />
<DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB09030600000000FF8880" />
  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB09030604000000FF8880" />
  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB09030608000000FF8880" />
  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB0903060C000000FF8880" />
  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB09030617000000FF8880" />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DD0B01050C000000FFC400" />
  <Unsigned Value="00" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="20" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB09030617000000FF8880" />
  <Unsigned Value="28" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
```



```
<DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="08" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="88" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DB09080411000000FF8880" />
  <Unsigned Value="A8" />
  <DoubleLongUnsigned Value="05F5DD24" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DD0B06030B000000FFC400" />
  <Unsigned Value="A0" />
  <DoubleLongUnsigned Value="05F5DD24" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DC01010708000000FFC400" />
  <Unsigned Value="20" />
  <DoubleLongUnsigned Value="05F5DD24" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="00" />
  <DoubleLongUnsigned Value="05F5DD24" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="00" />
  <DoubleLongUnsigned Value="05F5DD24" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="00" />
  <DoubleLongUnsigned Value="05F5DD24" />
</Structure>
```

```

</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="80" />
  <DoubleLongUnsigned Value="05F5DD24" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="20" />
  <DoubleLongUnsigned Value="05F5DD24" />
</Structure>
<Structure Qty="0003" >
  <OctetString Value="07DC01010708000000FFC400" />
  <Unsigned Value="20" />
  <DoubleLongUnsigned Value="05F5DD24" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="00" />
  <DoubleLongUnsigned Value="05F5DD24" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="00" />
  <DoubleLongUnsigned Value="05F5DD24" />
</Structure>
<Structure Qty="0003" >
  <NullData />
  <Unsigned Value="20" />
  <DoubleLongUnsigned Value="05F5DD18" />
</Structure>
</Array>
</_Data>

```

Earliest date: 02-AUG-2011 00:00:00, latest date: 06-NOV-2013 11:00:00

Middle date: 08-SEP-2011 17:00:00

```

(126) .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="0004600A03FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0004" />
        <OctetString Value="0004180201FF" />
        <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="00000041" />
  </Data>

```

Mngmt Get M-Bus Event Log 0-0:99.98.3.255 (@1898)
 (129) .buffer

PASSED

```

entries_in_use: 30
  <Data>
    <DoubleLongUnsigned Value="0000001E" />
  </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 30 elements:

```

  <_Data>
    <Array Qty="001E" >
      <Structure Qty="0002" >
        <OctetString Value="07DD0B06030A122700FFC400" />
        <Enum Value="7B" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DD0B06030A122A00FFC400" />
        <Enum Value="85" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DD0B06030A123600FFC400" />
        <Enum Value="68" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DD0B06030A123700FFC400" />
        <Enum Value="72" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DD0B06030A123800FFC400" />
        <Enum Value="7C" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DD0B06030A123A00FFC400" />
        <Enum Value="86" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DC010107071D3400FFC400" />
        <Enum Value="68" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DC010107071D3600FFC400" />
        <Enum Value="72" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DC010107071D3800FFC400" />
        <Enum Value="7C" />
      </Structure>
      <Structure Qty="0002" >
        <OctetString Value="07DC010107071D3900FFC400" />
        <Enum Value="86" />
      </Structure>
    </Array>
  </_Data>

```

```
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC010107071D3A00FFC400" />
  <Enum Value="68" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC010107071D3B00FFC400" />
  <Enum Value="72" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC010107071E0100FFC400" />
  <Enum Value="7C" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC010107071E0200FFC400" />
  <Enum Value="86" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC01010709000500FFC400" />
  <Enum Value="64" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC01010709000A00FFC400" />
  <Enum Value="6E" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC01010709001000FFC400" />
  <Enum Value="78" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC01010709001500FFC400" />
  <Enum Value="82" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC0101070A071A00FFC400" />
  <Enum Value="65" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC0101070A071B00FFC400" />
  <Enum Value="68" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC0101070A073900FFC400" />
  <Enum Value="6F" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC0101070A073A00FFC400" />
  <Enum Value="72" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC0101070A081F00FFC400" />
  <Enum Value="79" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC0101070A082000FFC400" />
  <Enum Value="7C" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC0101070A082900FFC400" />
  <Enum Value="83" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DC0101070A082B00FFC400" />
  <Enum Value="86" />
</Structure>
<Structure Qty="0002" >
```

```

    <OctetString Value="07DC010107071D3500FFC400" />
    <Enum Value="68" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DC010107071D3600FFC400" />
    <Enum Value="72" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DC010107071D3700FFC400" />
    <Enum Value="7C" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DC010107071D3800FFC400" />
    <Enum Value="86" />
  </Structure>
</Array>
</_Data>

```

Earliest date: 01-JAN-2012 07:29:52, latest date: 06-NOV-2013 10:18:58

Middle date: 01-JAN-2012 09:00:10

```

(130) .entries_in_use                                     PASSED
  <Data>
    <DoubleLongUnsigned Value="0000001E" />
  </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="62" />
  </Data>
(7) .frequencies                                       PASSED
  <Data>
    <Structure Qty="0002" >
      <DoubleLongUnsigned Value="0000F744" />
      <DoubleLongUnsigned Value="00012110" />
    </Structure>
  </Data>
(8) .mac_address                                       PASSED
  <Data>
    <LongUnsigned Value="0006" />
  </Data>
(9) .mac_group_addresses                               PASSED
  <Data>

```

```

    <Array Qty="0005" >
      <LongUnsigned Value="0000" />
      <LongUnsigned Value="0000" />
      <LongUnsigned Value="0000" />
      <LongUnsigned Value="0000" />
      <LongUnsigned Value="0000" />
    </Array>
  </Data>
(10) .repeater PASSED
    <Data>
      <Enum Value="02" />
    </Data>
(11) .repeater_status PASSED
    <Data>
      <Bool Value="00" />
    </Data>
(12) .min_delta_credit PASSED
    <Data>
      <Unsigned Value="00" />
    </Data>
(13) .initiator_mac_address PASSED
    <Data>
      <LongUnsigned Value="0C00" />
    </Data>
(14) .synchronization_locked PASSED
    <Data>
      <Bool Value="01" />
    </Data>
(15) .transmission_speed PASSED
    <Data>
      <Enum Value="03" />
    </Data>

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

Mngmt Get S-FSK MAC synchronisation timeouts 0-0:26.2.0.255 (@1955)
(18) .logical_name PASSED
    <Data>
      <OctetString Value="00001A0200FF" />
    </Data>
(19) .search_initiator_timeout PASSED
    <Data>
      <LongUnsigned Value="0000" />
    </Data>
(20) .synchronization_confirmation_timeout PASSED
    <Data>
      <LongUnsigned Value="0028" />
    </Data>
(21) .timeout_not_addressed PASSED
    <Data>
      <LongUnsigned Value="02D0" />
    </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="0004" >
      <Structure Qty="0002" >
        <LongUnsigned Value="0C00" />
        <DoubleLongUnsigned Value="00000003" />
      </Structure>
      <Structure Qty="0002" >
        <LongUnsigned Value="0000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0002" >
        <LongUnsigned Value="0000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0002" >
        <LongUnsigned Value="0000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
    </Array>
  </Data>
(25) .desynchronization_listing PASSED
  <Data>
    <Structure Qty="0005" >
      <DoubleLongUnsigned Value="00000002" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000002" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
  </Data>
(26) .broadcast_frames_counter PASSED
  <Data>
    <Array Qty="0004" >
      <Structure Qty="0002" >
        <LongUnsigned Value="0C00" />
        <DoubleLongUnsigned Value="00000017" />
      </Structure>
      <Structure Qty="0002" >
        <LongUnsigned Value="0000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0002" >
        <LongUnsigned Value="0000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
      <Structure Qty="0002" >
        <LongUnsigned Value="0000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
    </Array>
  </Data>
(27) .repetitions_counter PASSED
  <Data>
    <DoubleLongUnsigned Value="00000000" />
  </Data>
(28) .transmissions_counter PASSED
  <Data>

```

```

    <DoubleLongUnsigned Value="0000017C" />
  </Data>
(29) .CRC_OK_frames_counter PASSED
  <Data>
    <DoubleLongUnsigned Value="0000070C" />
  </Data>
(30) .CRC_NOK_frames_counter PASSED
  <Data>
    <DoubleLongUnsigned Value="00000000" />
  </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="\ELSep5P0" />
      <OctetString Value="454C5365704C896B" />
      <OctetString Value="49534B6573153E90" />
      <OctetString Value="454C536452172639" />
      <OctetString Value="4C475A6570DBAAC5" />
    </Array>
  </Data>

```

```

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

```

```

// CTI: ISK ME381 IDIS FIT#3
// Last update: 2011-12-14, IDr

```

```

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

```

```

// Mandatory 'DeviceUnderTest' structure
// *****
DeviceUnderTest = {
  // 'MeterId' is a visible string that must match the one expected by

```



```
// the Data Concentrator
// MeterId = '\ISK6400000001'

// The system title of the meter is the MeterId as a binary string
// MeterSystemTitle = '49534B6400000001'

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

// 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 is only for documentation purpose.
SerialNr = 51723919
Type = '\ME381 H2'

// SupportedExtensions = [Extension_D, Extension_L, Extension_M]
}

// Mandatory 'ObjectMode' structure
// *****
// It defines the variant of the object model that the iCTT uses for testing.

ObjectModel = {
  // 'IDIS version' can be 100 or 101
  // IDISVersion = 100

  // 'WithOptionals' indicates if the optional elements of the object model
  // are implemented by the device. If yes, then there are all tested, if not, they
  // are not tested at all.
  // OptionalObjects = ''
  OptionalObjects = '\ ' +
    '1-0:0.9.1.255, ' +
    '1-0:0.9.2.255, ' +
    '0-2:96.3.10.255, ' +
    '1-1:0.2.0.255, ' +
    '1-1:0.2.8.255, ' +
    '1-0:9.8.0.255, ' +
    '1-0:10.8.0.255, ' +
    '1-0:5.8.1.255, ' +
    '1-0:5.8.2.255, ' +
    '1-0:5.8.3.255, ' +
    '1-0:5.8.4.255, ' +
    '1-0:6.8.1.255, ' +
    '1-0:6.8.2.255, ' +
    '1-0:6.8.3.255, ' +
    '1-0:6.8.4.255, ' +
    '1-0:7.8.1.255, ' +
    '1-0:7.8.2.255, ' +
    '1-0:7.8.3.255, ' +
    '1-0:7.8.4.255, ' +
    '1-0:8.8.1.255, ' +
    '1-0:8.8.2.255, ' +
    '1-0:8.8.3.255, ' +
    '1-0:8.8.4.255, ' +
    '1-0:9.8.1.255, ' +
    '1-0:9.8.2.255, ' +
    '1-0:9.8.3.255, ' +
    '1-0:9.8.4.255, ' +
    '1-0:10.8.1.255, ' +
    '1-0:10.8.2.255, ' +
    '1-0:10.8.3.255, ' +
    '1-0:10.8.4.255, ' +

```

```
'1-0:15.8.1.255, ' +  
'1-0:15.8.2.255, ' +  
'1-0:15.8.3.255, ' +  
'1-0:15.8.4.255, ' +  
'1-0:9.4.0.255, ' +  
'1-0:10.4.0.255, ' +  
'1-0:1.5.0.255, ' +  
'1-0:2.5.0.255, ' +  
'1-0:3.5.0.255, ' +  
'1-0:4.5.0.255, ' +  
'1-0:9.5.0.255, ' +  
'1-0:10.5.0.255, ' +  
'1-0:9.6.0.255, ' +  
'1-0:9.6.1.255, ' +  
'1-0:9.6.2.255, ' +  
'1-0:9.6.3.255, ' +  
'1-0:9.6.4.255, ' +  
'1-0:10.6.0.255, ' +  
'1-0:10.6.1.255, ' +  
'1-0:10.6.2.255, ' +  
'1-0:10.6.3.255, ' +  
'1-0:10.6.4.255, ' +  
'1-0:14.7.0.255, ' +  
'1-0:9.7.0.255, ' +  
'1-0:10.7.0.255, ' +  
'1-0:16.24.0.255, ' +  
'1-0:13.7.0.255, ' +  
'1-0:13.5.0.255, ' +  
'1-0:13.3.0.255, ' +  
'1-0:0.8.2.255, ' +  
'0-0:20.0.0.255, ' +  
'0-0:26.6.0.255'
```

```
InstanceExtraInfo = {  
  LogicalName = '0-0:10.0.100.255'  
  ClassId = 9  
  MethodExtraInfo = {  
    MethodId = 1  
    AccessRights = [ACTION]  
  }  
}
```

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

```
InstanceExtraInfo = {  
  LogicalName = '0-0:13.0.0.255'  
  ClassId = 20  
  MethodExtraInfo = {  
    MethodId = 1  
    AccessRights = [ACTION]  
  }  
}
```

```
InstanceExtraInfo = {  
  LogicalName = '0-0:15.0.0.255'  
  ClassId = 22  
  AttributeExtraInfo = {  
    AttributeId = 3  
    AccessRights = [GET,SET]  
  }  
}
```

```
    }
  }

InstanceExtraInfo = {
  LogicalName = '0-0:15.0.1.255'
  ClassId = 22
  AttributeExtraInfo = {
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-0:15.0.2.255'
  ClassId = 22
  AttributeExtraInfo = {
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-1:15.0.1.255'
  ClassId = 22
  AttributeExtraInfo = {
    AttributeId = 3
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-0:17.0.0.255'
  ClassId = 71
  AttributeExtraInfo = {
    AttributeId = 11
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-0:10.0.107.255'
  ClassId = 9
  AttributeExtraInfo = {
    AttributeId = 2
    AccessRights = [GET]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-0:20.0.0.255'
  ClassId = 19
  AttributeExtraInfo = {
    AttributeId = 7
    AccessRights = [SET]
    SetData = '\<Data><OctetString Value="3132333435363738" /></Data>'
  }
  AttributeExtraInfo = {
    AttributeId = 8
    AccessRights = [SET]
    SetData = '\<Data><OctetString Value="3132333435363738" /></Data>'
  }
  AttributeExtraInfo = {
    AttributeId = 9
    AccessRights = [SET]
    SetData = '\<Data><OctetString Value="3132333435363738" /></Data>'
  }
}
```

```
}

InstanceExtraInfo = {
  LogicalName = '0-0:26.3.0.255'
  ClassId = 53
  MethodExtraInfo = {
    MethodId = 1
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-0:40.0.0.255'
  ClassId = 15
  AttributeExtraInfo = {
    AttributeId = 6
    AccessRights = [GET,SET]
    SetData = '\<Data><OctetString Value="60857405080200" /></Data>'
  }
  MethodExtraInfo = {
    MethodId = 2
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-1:96.3.10.255'
  ClassId = 70
  AttributeExtraInfo = {
    AttributeId = 4
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-2:96.3.10.255'
  ClassId = 70
  AttributeExtraInfo = {
    AttributeId = 4
    AccessRights = [GET,SET]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-0:99.98.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    AttributeId = 2
    SelectiveAccessSelectors = [By_Range,By_Entry]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-0:99.98.1.255'
  ClassId = 7
  AttributeExtraInfo = {
    AttributeId = 2
    SelectiveAccessSelectors = [By_Range,By_Entry]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-0:99.98.2.255'
  ClassId = 7
  AttributeExtraInfo = {
    AttributeId = 2
```

```
        SelectiveAccessSelectors = [By_Range,By_Entry]
    }
}

InstanceExtraInfo = {
    LogicalName = '0-0:99.98.3.255'
    ClassId = 7
    AttributeExtraInfo = {
        AttributeId = 2
        SelectiveAccessSelectors = [By_Range,By_Entry]
    }
}

InstanceExtraInfo = {
    LogicalName = '0-0:99.98.4.255'
    ClassId = 7
    AttributeExtraInfo = {
        AttributeId = 2
        SelectiveAccessSelectors = [By_Range,By_Entry]
    }
}

InstanceExtraInfo = {
    LogicalName = '1-0:99.97.0.255'
    ClassId = 7
    AttributeExtraInfo = {
        AttributeId = 2
        SelectiveAccessSelectors = [By_Range,By_Entry]
    }
    AttributeExtraInfo = {
        AttributeId = 3
        AccessRights = [GET,SET]
    }
}

InstanceExtraInfo = {
    LogicalName = '0-1:24.1.0.255'
    ClassId = 72
    MethodExtraInfo = {
        MethodId = 3
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        MethodId = 4
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        MethodId = 5
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        MethodId = 6
        AccessRights = [ACTION]
    }
}

InstanceExtraInfo = {
    LogicalName = '0-2:24.1.0.255'
    ClassId = 72
    MethodExtraInfo = {
        MethodId = 3
        AccessRights = [ACTION]
    }
    MethodExtraInfo = {
        MethodId = 4
        AccessRights = [ACTION]
    }
}
```

```
    }
    MethodExtraInfo = {
      MethodId = 5
      AccessRights = [ACTION]
    }
    MethodExtraInfo = {
      MethodId = 6
      AccessRights = [ACTION]
    }
  }

InstanceExtraInfo = {
  LogicalName = '0-3:24.1.0.255'
  ClassId = 72
  MethodExtraInfo = {
    MethodId = 3
    AccessRights = [ACTION]
  }
  MethodExtraInfo = {
    MethodId = 4
    AccessRights = [ACTION]
  }
  MethodExtraInfo = {
    MethodId = 5
    AccessRights = [ACTION]
  }
  MethodExtraInfo = {
    MethodId = 6
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-4:24.1.0.255'
  ClassId = 72
  MethodExtraInfo = {
    MethodId = 3
    AccessRights = [ACTION]
  }
  MethodExtraInfo = {
    MethodId = 4
    AccessRights = [ACTION]
  }
  MethodExtraInfo = {
    MethodId = 5
    AccessRights = [ACTION]
  }
  MethodExtraInfo = {
    MethodId = 6
    AccessRights = [ACTION]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-1:24.5.0.255'
  ClassId = 7
  AttributeExtraInfo = {
    AttributeId = 2
    SelectiveAccessSelectors = [By_Range,By_Entry]
  }
}

InstanceExtraInfo = {
  LogicalName = '0-2:24.5.0.255'
  ClassId = 7
  AttributeExtraInfo = {
```

```

        AttributeId = 2
        SelectiveAccessSelectors = [By_Range,By_Entry]
    }
}

InstanceExtraInfo = {
    LogicalName = '0-3:24.5.0.255'
    ClassId = 7
    AttributeExtraInfo = {
        AttributeId = 2
        SelectiveAccessSelectors = [By_Range,By_Entry]
    }
}

InstanceExtraInfo = {
    LogicalName = '0-4:24.5.0.255'
    ClassId = 7
    AttributeExtraInfo = {
        AttributeId = 2
        SelectiveAccessSelectors = [By_Range,By_Entry]
    }
}

InstanceExtraInfo = {
    // Set clock to 01/01/2012 07:29:52
    LogicalName = '0-0:1.0.0.255'
    ClassId = 8
    AttributeExtraInfo = {
        AttributeId = 2
        SetData = '\<Data><OctetString Value="07DC0101FF071D34FF8000FF" /></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>'
+ '      <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 = {

    // 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 = 240000

    // The accesses have a priority between 1 (highest priority) and 10 (lowest priority)
    DefaultPriority = 5

    // Optional delay after executing the Disconnect Control (class 70)
    // connect and disconnect actions
    ConnectDisconnectDelay = 6000

    // Mandatory DC system title
    DCSystemTitle = '4C475A1169000000' //FIT DC

    // Mandatory structure for the ImageTransfer
    ImageTransfer = {
        // Image identifier as passed to the image_transfer_initiate method
        ImageIdentifier = ''
        // 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 = '\\ME381V10_ARM_035000376_M1.bin'
        // Time (in ms) that the iCTT loops reading the image_transfer status waiting for changes
        Timeout = 10000
    }
}

TestOptions = {
}

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

```

NewBcplTSlotCount = 10
AlarmMngtEnabled = 0 // was 1, Disable alarms
AlarmMngtDelay = 0
AutoDiscoveryPriority = 2
FCTxValue = 0
}

// Mandatory 'SecurityElements'
// *****
// There are 3 sets of 'SecurityElements', one for each test mode
// (Standard, Tunnel, Local)

// Each set contains one structure per client (in general), each with the following members:
// ContextName: either LONG_NAMES or LONG_NAMES_WITH_CIPHERING
// MechanismName: either LOWEST_LEVEL_SECURITY, LOW_LEVEL_SECURITY or HIGH_LEVEL_SECURITY_GMAC
// Policy: either NO_SECURITY, AUTHENTICATION, ENCRYPTION or AUTHENTICATION_AND_ENCRYPTION
// Password: if required by the mechanism name.
// FrameCounterInstance: if needed, is the instance id of the corresponding frame counter

// 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 = LOW_LEVEL_SECURITY
        Policy = NO_SECURITY
        Password = '\12345678'
    }

    PreEstablished = {
        Policy = NO_SECURITY
    }
}

// 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 //LOW_LEVEL_SECURITY
        Policy = AUTHENTICATION_AND_ENCRYPTION //NO_SECURITY
        Password = '\12345678'
        // FrameCounterInstance = '\0-1:43.1.0.255'
    }

    PreEstablished = {
        Policy = AUTHENTICATION_AND_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
        MechanismName = HIGH_LEVEL_SECURITY_GMAC //LOW_LEVEL_SECURITY
        Policy = AUTHENTICATION_AND_ENCRYPTION //NO_SECURITY
        Password = '\12345678'
    }

    PreEstablished = {
        Policy = AUTHENTICATION_AND_ENCRYPTION //NO_SECURITY
    }
}

HDLCProfile = {

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

    DataLinkLayer = {
        InactivityTimeout = 120000
        InterFrameTimeout = 100
        ResponseTimeout = 4000
        ServerLowerMacAddress = 0x11
        DISCToNDMTimeout = 4000
        AddressingSchemes = [TWO_BYTES_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:       49534B6473153E8F
DC MeterId:              ISK6473153E8F
Run number:              321
--

8C43565187ED710B96221FC144A3A3B1
```