

IDIS 0005: Elster AS1440 FIT_Report

IDIS Conformance test report Elster AS 1440 - AM 500

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iCTT Package 1, Edition 1.1, Revision 1 (203)

Licensed to: L+G

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* Identification *

```
Manufacturer = {
  Name = '\Elster GmbH'
  ThreeLettersId = '\ELS'
}
DeviceUnderTest = {
  IDISDeviceType = 101
  IDISFunctionType = [EXTENSION_D, EXTENSION_L]
  SerialNr = 3295236
}
```

* Summary *

PASSED	104
FAILED	0
DISABLED	0
INAPPLICABLE	8
INCONCLUSIVE	0
FATAL	0
TOTAL	112

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="04" />
 - </Data>
- (4) .max_receiving_gain PASSED
 - <Data>
 - <Unsigned Value="2A" />
 - </Data>
- (5) .max_transmitting_gain PASSED
 - <Data>
 - <Unsigned Value="00" />
 - </Data>
- (6) .search_initiator_gain PASSED
 - <Data>
 - <Unsigned Value="62" />
 - </Data>
- (7) .frequencies PASSED
 - <Data>
 - <Structure Qty="0002" >

```

        <DoubleLongUnsigned Value="0000F744" />
        <DoubleLongUnsigned Value="00012110" />
    </Structure>
</Data>
(8) .mac_address PASSED
    <Data>
        <LongUnsigned Value="0014" />
    </Data>
(9) .mac_group_addresses PASSED
    <Data>
        <Array Qty="0005" >
            <LongUnsigned Value="0000" />
            <LongUnsigned Value="0000" />
            <LongUnsigned Value="0000" />
            <LongUnsigned Value="0000" />
            <LongUnsigned Value="0000" />
        </Array>
    </Data>
(10) .repeater PASSED
    <Data>
        <Enum Value="02" />
    </Data>
(11) .repeater_status PASSED
    <Data>
        <Bool Value="01" />
    </Data>
(12) .min_delta_credit PASSED
    <Data>
        <Unsigned Value="00" />
    </Data>
(13) .initiator_mac_address PASSED
    <Data>
        <LongUnsigned Value="0C00" />
    </Data>
(14) .synchronization_locked PASSED
    <Data>
        <Bool Value="01" />
    </Data>
(15) .transmission_speed PASSED
    <Data>

```

```

    <Enum Value="03" />
  </Data>

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

Mngmt Get S-FSK MAC synchronisation timeouts 0-0:26.2.0.255 (@1955)
(18) .logical_name PASSED
    <Data>
      <OctetString Value="00001A0200FF" />
    </Data>
(19) .search_initiator_timeout PASSED
    <Data>
      <LongUnsigned Value="0000" />
    </Data>
(20) .synchronization_confirmation_timeout PASSED
    <Data>
      <LongUnsigned Value="0005" />
    </Data>
(21) .timeout_not_addressed PASSED
    <Data>
      <LongUnsigned Value="0168" />
    </Data>
(22) .timeout_frame_not_OK PASSED
    <Data>
      <LongUnsigned Value="001E" />
    </Data>

Mngmt Get S-FSK MAC counters 0-0:26.3.0.255 (@1962)

```

- (23) .logical_name PASSED
<Data>
 <OctetString Value="00001A0300FF" />
</Data>
- (24) .synchronization_register PASSED
<Data>
 <Array Qty="0001" >
 <Structure Qty="0002" >
 <LongUnsigned Value="0C00" />
 <DoubleLongUnsigned Value="0000003C" />
 </Structure>
 </Array>
</Data>
- (25) .desynchronization_listing PASSED
<Data>
 <Structure Qty="0005" >
 <DoubleLongUnsigned Value="00000000" />
 <DoubleLongUnsigned Value="00000000" />
 <DoubleLongUnsigned Value="0000003B" />
 <DoubleLongUnsigned Value="00000000" />
 <DoubleLongUnsigned Value="00000000" />
 </Structure>
</Data>
- (26) .broadcast_frames_counter PASSED
<Data>
 <Array Qty="0001" >
 <Structure Qty="0002" >
 <LongUnsigned Value="0C00" />
 <DoubleLongUnsigned Value="0000000B" />
 </Structure>
 </Array>
</Data>
- (27) .repetitions_counter PASSED
<Data>
 <DoubleLongUnsigned Value="0000001B" />
</Data>
- (28) .transmissions_counter PASSED
<Data>
 <DoubleLongUnsigned Value="0000002F" />
</Data>

(29) .CRC_OK_frames_counter PASSED
<Data>
 <DoubleLongUnsigned Value="00000123" />
</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
INAPPLICABLE
 Optional object is not implemented

(35) .reporting_system_list
INAPPLICABLE
 Optional object is not implemented

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="\03295236" />  
</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) PASSED
(9) .logical_name

<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) PASSED
(11) .logical_name

<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) PASSED
(1) .logical_name

<Data>
<OctetString Value="0000290000FF" />
</Data>

(2) .SAP_assignment_list PASSED

<Data>
<Array Qty="0001" >
<Structure Qty="0002" >
<LongUnsigned Value="0001" />
<OctetString Value="\ELS1010303295236" />
</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="\ELS1010303295236" />
    </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="\V030933.00" />
    </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="\yE" />
    </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="\V030101.02" />
    </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="66AE8D8E" />
    </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>

```

IDIS Reg No 0005 FIT_Report .txt
<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="07DC010107071D3700FFC400" />
</Data>

Test Case 10 : Set Special Days Table <as set in CTI>, 1 item(s)

Mngmt Set Special Days Table 0-0:11.0.0.255 (@113)

(1) .entries

PASSED

<Data>
<Array Qty="001E" >
<Structure Qty="0003" >
<LongUnsigned Value="0001" />
<OctetString Value="FFFF0101FF" />
<Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
<LongUnsigned Value="0001" />
<OctetString Value="FFFF0102FF" />
<Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
<LongUnsigned Value="0001" />
<OctetString Value="FFFF0103FF" />
<Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
<LongUnsigned Value="0001" />
<OctetString Value="FFFF0104FF" />
<Unsigned Value="02" />

```
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0105FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0106FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0107FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0108FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0109FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF010AFF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0201FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0202FF" />
  <Unsigned Value="02" />
```

```
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0203FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0204FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0205FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0206FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0207FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0208FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0209FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF020AFF" />
  <Unsigned Value="02" />
```

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

```

</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF0309FF" />
  <Unsigned Value="02" />
</Structure>
<Structure Qty="0003" >
  <LongUnsigned Value="0001" />
  <OctetString Value="FFFF030AFF" />
  <Unsigned Value="02" />
</Structure>
</Array>
</Data>

```

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

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

PASSED

```

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

```

```
<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 Disconnect Control Log 0-0:99.98.2.255 (@181)

(1) .buffer

PASSED

```

  entries_in_use: 10
  <Data>
    <DoubleLongUnsigned Value="0000000A" />
  </Data>
  capture_objects:
  <Data>
    <Array Qty="0003" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0001" />
        <OctetString Value="0000600B02FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
    </Array>
  </Data>

```

```

    <Structure Qty="0004" >
      <LongUnsigned Value="0047" />
      <OctetString Value="0000110000FF" />
      <Integer Value="03" />
      <LongUnsigned Value="0000" />
    </Structure>
  </Array>
</Data>
Buffer has 10 elements:
<Data>
  <Array Qty="000A" >
    <Structure Qty="0003" >
      <OctetString Value="07DB010106002D1D00FFC400" />
      <Enum Value="3F" />
      <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07DB010106002D1E00FFC400" />
      <Enum Value="3E" />
      <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07DB010106002D1F00FFC400" />
      <Enum Value="3F" />
      <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07DB010106002D2000FFC400" />
      <Enum Value="3E" />
      <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07DB010106002D2100FFC400" />
      <Enum Value="3F" />
      <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0003" >
      <OctetString Value="07DB010106002D2200FFC400" />
      <Enum Value="3E" />
      <LongUnsigned Value="0000" />
    </Structure>
  </Array>

```

```
</Structure>  
<Structure Qty="0003" >  
  <OctetString Value="07DB010106002D2300FFC400" />  
  <Enum Value="3F" />  
  <LongUnsigned Value="0000" />  
</Structure>  
<Structure Qty="0003" >  
  <OctetString Value="07DB01010617290000FFC400" />  
  <Enum Value="3E" />  
  <LongUnsigned Value="0000" />  
</Structure>  
<Structure Qty="0003" >  
  <OctetString Value="07DB010106172E2600FFC400" />  
  <Enum Value="3F" />  
  <LongUnsigned Value="0000" />  
</Structure>  
<Structure Qty="0003" >  
  <OctetString Value="07DB01010617301200FFC400" />  
  <Enum Value="3E" />  
  <LongUnsigned Value="0000" />  
</Structure>  
</Array>  
</Data>
```

Earliest date: 01-JAN-2011 00:45:29, latest date: 01-JAN-2011 23:48:18
Middle date: 01-JAN-2011 00:45:34

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

(2) .buffer

entries_in_use: 65

```
<Data>  
  <DoubleLongUnsigned Value="00000041" />  
</Data>
```

capture_objects:

```
<Data>  
  <Array Qty="0002" >  
    <Structure Qty="0004" >  
      <LongUnsigned Value="0008" />  
      <OctetString Value="0000010000FF" />  
      <Integer Value="02" />  
      <LongUnsigned Value="0000" />
```

PASSED

```
</Structure>
<Structure Qty="0004" >
  <LongUnsigned Value="0001" />
  <OctetString Value="0000600B00FF" />
  <Integer Value="02" />
  <LongUnsigned Value="0000" />
</Structure>
</Array>
</Data>
Buffer has 65 elements:
<_Data>
  <Array Qty="0041" >
    <Structure Qty="0002" >
      <OctetString Value="07DB01010602191300FFC400" />
      <Enum Value="FF" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB01010602191400FFC400" />
      <Enum Value="FE" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB01010602191700FFC400" />
      <Enum Value="04" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB01010600000000FFC400" />
      <Enum Value="05" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB01010600000000FFC400" />
      <Enum Value="04" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB010106173B3B00FFC400" />
      <Enum Value="05" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB01020700000000FFC400" />
      <Enum Value="04" />
    </Structure>
  </Array>
</Data>
```

```
<Structure Qty="0002" >
  <OctetString Value="07DB010207173B3B00FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01030100000000FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB010301173B3B00FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01040200000000FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB010402173B3B00FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01050300000000FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB010503173B3B00FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01060400000000FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB010604173B3B00FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01070500000000FFC400" />
  <Enum Value="04" />
</Structure>
```

```
<Structure Qty="0002" >
  <OctetString Value="07DB010705173B3B00FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01080600000000FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB010806173B3B00FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01090700000000FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB010907173B3B00FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB010A0100000300FFC400" />
  <Enum Value="FE" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB010A0100000500FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010600000000FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010600000000FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010600043B00FFC400" />
  <Enum Value="05" />
</Structure>
```



```
<Structure Qty="0002" >
  <OctetString Value="07DB01010600050000FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010600093B00FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB010106000A0000FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB010106000E3B00FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB010106000F0000FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010600133B00FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010600140000FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010600183B00FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010600190000FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB010106001D3B00FFC400" />
  <Enum Value="05" />
</Structure>
```

```
<Structure Qty="0002" >
  <OctetString Value="07DB010106001E0000FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010600223B00FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010600230000FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010600273B00FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010600280000FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB010106002C3B00FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010601321900FFC400" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010601321900FFC400" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010601321900FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010601371100FFC400" />
  <Enum Value="05" />
</Structure>
```

```
<Structure Qty="0002" >
  <OctetString Value="07DB01010602032500FFC400" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010602032500FFC400" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010602032500FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010603010300FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010603263B00FFC400" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010603263B00FFC400" />
  <Enum Value="02" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010603263B00FFC400" />
  <Enum Value="04" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB01010617241200FFC400" />
  <Enum Value="05" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB010106172B2900FFC400" />
  <Enum Value="01" />
</Structure>
<Structure Qty="0002" >
  <OctetString Value="07DB010106172B2900FFC400" />
  <Enum Value="02" />
</Structure>
```

IDIS Reg No 0005 FIT_Report .txt

```
<Structure Qty="0002" >  
  <OctetString Value="07DB01010617383400FFC400" />  
  <Enum Value="01" />  
</Structure>  
<Structure Qty="0002" >  
  <OctetString Value="07DB01010617383400FFC400" />  
  <Enum Value="02" />  
</Structure>  
<Structure Qty="0002" >  
  <OctetString Value="07DB01020700093200FFC400" />  
  <Enum Value="04" />  
</Structure>  
<Structure Qty="0002" >  
  <OctetString Value="07DC010107071D3400FFC400" />  
  <Enum Value="05" />  
</Structure>  
<Structure Qty="0002" >  
  <OctetString Value="07DC010107072D3400FFC400" />  
  <Enum Value="01" />  
</Structure>  
<Structure Qty="0002" >  
  <OctetString Value="07DC010107072D3400FFC400" />  
  <Enum Value="02" />  
</Structure>  
<Structure Qty="0002" >  
  <OctetString Value="07DC01010708350400FFC400" />  
  <Enum Value="04" />  
</Structure>  
<Structure Qty="0002" >  
  <OctetString Value="07DC010107071D3400FFC400" />  
  <Enum Value="05" />  
</Structure>  
</Array>  
</_Data>
```

Earliest date: 01-JAN-2011 00:00:00, latest date: 01-JAN-2012 08:53:04

Middle date: 01-JAN-2011 00:19:59

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

(3) .buffer

entries_in_use: 7

PASSED

```

<Data>
  <DoubleLongUnsigned Value="00000007" />
</Data>
capture_objects:
<Data>
  <Array Qty="0002" >
    <Structure Qty="0004" >
      <LongUnsigned Value="0008" />
      <OctetString Value="0000010000FF" />
      <Integer Value="02" />
      <LongUnsigned Value="0000" />
    </Structure>
    <Structure Qty="0004" >
      <LongUnsigned Value="0001" />
      <OctetString Value="0000600B01FF" />
      <Integer Value="02" />
      <LongUnsigned Value="0000" />
    </Structure>
  </Array>
</Data>
Buffer has 7 elements:
<Data>
  <Array Qty="0007" >
    <Structure Qty="0002" >
      <OctetString Value="07DB010106002D2500FFC400" />
      <Enum Value="FF" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DC010107081F2100FFC400" />
      <Enum Value="2E" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DC01010708201F00FFC400" />
      <Enum Value="2E" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DC01010708202A00FFC400" />
      <Enum Value="2E" />
    </Structure>
    <Structure Qty="0002" >

```

```
                IDIS Reg No 0005 FIT_Report .txt
                <OctetString Value="07DC01010708203700FFC400" />
                <Enum Value="2E" />
            </Structure>
        <Structure Qty="0002" >
            <OctetString Value="07DC01010708210C00FFC400" />
            <Enum Value="2E" />
        </Structure>
        <Structure Qty="0002" >
            <OctetString Value="07DC01010708212100FFC400" />
            <Enum Value="2E" />
        </Structure>
    </Array>
</Data>
Earliest date: 01-JAN-2011 00:45:37, latest date: 01-JAN-2012 08:33:33
Middle date: 01-JAN-2012 08:32:42
```

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

(4) .buffer

PASSED

```
entries_in_use: 11
  <Data>
    <DoubleLongUnsigned Value="0000000B" />
  </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 11 elements:
```

```
<Data>
  <Array Qty="000B" >
    <Structure Qty="0002" >
      <OctetString Value="07DB010106002D2600FFC400" />
      <Enum Value="FF" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB010106002D2B00FFC400" />
      <Enum Value="4E" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB010106002D2D00FFC400" />
      <Enum Value="57" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB010106002D2E00FFC400" />
      <Enum Value="4E" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB010106002D3000FFC400" />
      <Enum Value="57" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB010106002D3100FFC400" />
      <Enum Value="4E" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB010106002D3300FFC400" />
      <Enum Value="57" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB010106002D3400FFC400" />
      <Enum Value="4E" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB010106002D3700FFC400" />
      <Enum Value="57" />
    </Structure>
    <Structure Qty="0002" >
      <OctetString Value="07DB010106002D3800FFC400" />
```

```

    <Enum Value="4E" />
  </Structure>
  <Structure Qty="0002" >
    <OctetString Value="07DB010106002D3A00FFC400" />
    <Enum Value="57" />
  </Structure>
</Array>
</Data>

```

Earliest date: 01-JAN-2011 00:45:38, latest date: 01-JAN-2011 00:45:58
 Middle date: 01-JAN-2011 00:45:49

 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: 11
  <Data>
    <DoubleLongUnsigned Value="0000000B" />
  </Data>
  capture_objects:
  <Data>
    <Array Qty="0005" >
      <Structure Qty="0004" >
        <LongUnsigned Value="0008" />
        <OctetString Value="0000010000FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0003" />
        <OctetString Value="0100010801FF" />
        <Integer Value="02" />
        <LongUnsigned Value="0000" />
      </Structure>
      <Structure Qty="0004" >
        <LongUnsigned Value="0003" />
        <OctetString Value="0100010802FF" />
        <Integer Value="02" />
      </Structure>
    </Array>
  </Data>

```



```

    <LongUnsigned Value="0000" />
  </Structure>
<Structure Qty="0004" >
  <LongUnsigned Value="0003" />
  <OctetString Value="0100020801FF" />
  <Integer Value="02" />
  <LongUnsigned Value="0000" />
</Structure>
<Structure Qty="0004" >
  <LongUnsigned Value="0003" />
  <OctetString Value="0100020802FF" />
  <Integer Value="02" />
  <LongUnsigned Value="0000" />
</Structure>
</Array>
</Data>
Buffer has 11 elements:
<_Data>
  <Array Qty="000B" >
    <Structure Qty="0005" >
      <OctetString Value="07DB010106002D0300FFC400" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0005" >
      <OctetString Value="07DB010106002D0500FFC400" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
    <Structure Qty="0005" >
      <OctetString Value="07DB010106002D0700FFC400" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
      <DoubleLongUnsigned Value="00000000" />
    </Structure>
  </Array>

```

```
<Structure Qty="0005" >
  <OctetString Value="07DB010106002D0900FFC400" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07DB010106002D0B00FFC400" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07DB010106002D0C00FFC400" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07DB010106002D0E00FFC400" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07DB010106002D1000FFC400" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
</Structure>
<Structure Qty="0005" >
  <OctetString Value="07DB010106002D1100FFC400" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
  <DoubleLongUnsigned Value="00000000" />
```

```

    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0005" >
    <OctetString Value="07DB010106002D1300FFC400" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
  <Structure Qty="0005" >
    <OctetString Value="07DC010107071D3400FFC400" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
    <DoubleLongUnsigned Value="00000000" />
  </Structure>
</Array>
</_Data>

```

Earliest date: 01-JAN-2011 00:45:03, latest date: 01-JAN-2012 07:29:52
 Middle date: 01-JAN-2011 00:45:12

 Test Case 14 : Re-read S-FSK, 35 item(s)

Mngmt Get S-FSK Phy&MAC setup 0-0:26.0.0.255 (@1933)

- | | |
|--------------------------------------|--------|
| (1) .logical_name | PASSED |
| <Data> | |
| <OctetString Value="00001A0000FF" /> | |
| </Data> | |
| (2) .initiator_electrical_phase | PASSED |
| <Data> | |
| <Enum Value="00" /> | |
| </Data> | |
| (3) .delta_electrical_phase | PASSED |
| <Data> | |
| <Enum Value="04" /> | |
| </Data> | |
| (4) .max_receiving_gain | PASSED |
| <Data> | |

```

    <Unsigned Value="2A" />
  </Data>
(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="0014" />
    </Data>
(9) .mac_group_addresses PASSED
    <Data>
      <Array Qty="0005" >
        <LongUnsigned Value="0000" />
        <LongUnsigned Value="0000" />
        <LongUnsigned Value="0000" />
        <LongUnsigned Value="0000" />
        <LongUnsigned Value="0000" />
      </Array>
    </Data>
(10) .repeater PASSED
    <Data>
      <Enum Value="02" />
    </Data>
(11) .repeater_status PASSED
    <Data>
      <Bool Value="01" />
    </Data>
(12) .min_delta_credit PASSED

```

```

    <Data>
      <Unsigned Value="00" />
    </Data>
(13) .initiator_mac_address PASSED
    <Data>
      <LongUnsigned Value="0C00" />
    </Data>
(14) .synchronization_locked PASSED
    <Data>
      <Bool Value="01" />
    </Data>
(15) .transmission_speed PASSED
    <Data>
      <Enum Value="03" />
    </Data>

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

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

```

```

    <Data>
      <LongUnsigned Value="0005" />
    </Data>
(21) .timeout_not_addressed PASSED
    <Data>
      <LongUnsigned Value="0168" />
    </Data>
(22) .timeout_frame_not_OK PASSED
    <Data>
      <LongUnsigned Value="001E" />
    </Data>

Mngmt Get S-FSK MAC counters 0-0:26.3.0.255 (@1962)
(23) .logical_name PASSED
    <Data>
      <OctetString Value="00001A0300FF" />
    </Data>
(24) .synchronization_register PASSED
    <Data>
      <Array Qty="0001" >
        <Structure Qty="0002" >
          <LongUnsigned Value="0C00" />
          <DoubleLongUnsigned Value="0000003C" />
        </Structure>
      </Array>
    </Data>
(25) .desynchronization_listing PASSED
    <Data>
      <Structure Qty="0005" >
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="0000003B" />
        <DoubleLongUnsigned Value="00000000" />
        <DoubleLongUnsigned Value="00000000" />
      </Structure>
    </Data>
(26) .broadcast_frames_counter PASSED
    <Data>
      <Array Qty="0001" >
        <Structure Qty="0002" >

```

```

        <LongUnsigned Value="0C00" />
        <DoubleLongUnsigned Value="0000000B" />
    </Structure>
</Array>
</Data>
(27) .repetitions_counter PASSED
    <Data>
        <DoubleLongUnsigned Value="00000039" />
    </Data>
(28) .transmissions_counter PASSED
    <Data>
        <DoubleLongUnsigned Value="000000A3" />
    </Data>
(29) .CRC_OK_frames_counter PASSED
    <Data>
        <DoubleLongUnsigned Value="0000036C" />
    </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
INAPPLICABLE
    Optional object is not implemented
(35) .reporting_system_list
INAPPLICABLE
    Optional object is not implemented

```

```

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

```

```

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

```

```

Manufacturer = {
    Name = '\Elster GmbH'
    ThreeLettersId = '\ELS'
}

```

```

DeviceUnderTest = {
    IDISDeviceType = 101
    IDISFunctionType = [Extension_D, Extension_L]
    SerialNr = 03295236
}

```

```

ObjectModel = {

```

```

// Optional objects implemented
OptionalObjects = '\
+ '0-2:96.3.10.255|70,' // Load Mgmt - Relay control 2 (@205)
+ '1-1:0.2.0.255|1,' // Active firmware version 1 (@329)
+ '1-1:0.2.8.255|1,' // Active firmware version signature 1 (@333)
+ '1-0:5.8.1.255|3,' // Reactive energy (QI) rate 1 (@515)
+ '1-0:5.8.2.255|3,' // Reactive energy (QI) rate 2 (@521)
+ '1-0:5.8.3.255|3,' // Reactive energy (QI) rate 3 (@527)
+ '1-0:5.8.4.255|3,' // Reactive energy (QI) rate 4 (@533)
+ '1-0:6.8.1.255|3,' // Reactive energy (QII) rate 1 (@539)

```


IDIS Reg No 0005 FIT_Report .txt

```

+ '1-0:6.8.2.255|3,' // Reactive energy (QII) rate 2 (@545)
+ '1-0:6.8.3.255|3,' // Reactive energy (QII) rate 3 (@551)
+ '1-0:6.8.4.255|3,' // Reactive energy (QII) rate 4 (@557)
+ '1-0:7.8.1.255|3,' // Reactive energy (QIII) rate 1 (@563)
+ '1-0:7.8.2.255|3,' // Reactive energy (QIII) rate 2 (@569)
+ '1-0:7.8.3.255|3,' // Reactive energy (QIII) rate 3 (@575)
+ '1-0:7.8.4.255|3,' // Reactive energy (QIII) rate 4 (@581)
+ '1-0:8.8.1.255|3,' // Reactive energy (QIV) rate 1 (@587)
+ '1-0:8.8.2.255|3,' // Reactive energy (QIV) rate 2 (@593)
+ '1-0:8.8.3.255|3,' // Reactive energy (QIV) rate 3 (@599)
+ '1-0:8.8.4.255|3' // Reactive energy (QIV) rate 4 (@605)

```

```

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

```

```

InstanceExtraInfo = {
  // Predefined Scripts - MDI reset / end of billing period (@135)
  LogicalName = '0-0:10.0.1.255'
  ClassId = 9
  AttributeExtraInfo = {
    // scripts
    AttributeId = 2
    AccessRights = [GET]
  }
}

```

```

InstanceExtraInfo = {
  // Load Mgmt - Relay control 1 (@197)
  LogicalName = '0-1:96.3.10.255'
  ClassId = 70
  AttributeExtraInfo = {
    // control_mode

```

```
        AttributeId = 4
        AccessRights = [GET,SET]
    }
}

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

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

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

InstanceExtraInfo = {
    // S-FSK MAC counters (@1962)
```

```

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

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

InstanceExtraInfo = {
  // Set 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>'
}
}
}

```

```

TestParameters = {
  MeterDiscoveryTimeout = 240000

```

```
DefaultAccessTimeout = 240000
DefaultPriority = 5
ConnectDisconnectDelay = 4000
//DCSystemTitle = '4C475A4954000002' //KEMA PLC MODEM
DCSystemTitle = '4C475A1169000000' //FIT PLC MODEM

ImageTransfer = {
    ImageIdentifier = '\\AM50001.01.01.00-00000'
    ImageFileName = '\\FW_AM50001.01.01.00-00000_meter.bin'
    Timeout = 120000
}
}

TestOptions = {
}

PLCConfig = {
    AddrMAC = 0xC00
    TimeoutNotAddr = 360
    MaxSubFrames = 7
    TimeUpdatePeriod = 0
    BkgTaskEnabled = 1
    BkgMinDelay = 60
    DiscoverTimeSlots = 20
    ResponseProbability = 100
    MaxCredit = 2
    DiscoverPeriod = 0
    TransmissionGain = 0
    ReceptionGain = 8
    BaudRate = 1
    InputFrequency = 0
    NbComOkDecrCredit = 3
    DecrCredit = 1
    IncrCredit = 2
    MaxRetry = 1
    RepeaterCallEnabled = 0
    RepeaterCallLevel = 1000
    NewBcplTSlotCount = 10
    AlarmMngtEnabled = 0
    AlarmMngtDelay = 0
}
```



```

AutoDiscoveryPriority = 2
FCTxValue = 0
}

```

```

StandardSecurityElements = {

```

```

    Public = {
        MechanismName = LOWEST_LEVEL_SECURITY
        Policy = NO_SECURITY
    }

```

```

    Management = {
        MechanismName = LOW_LEVEL_SECURITY
        Policy = NO_SECURITY
        Password = '\12345678'
    }

```

```

    PreEstablished = {
        Policy = NO_SECURITY
    }
}

```

```

LocalSecurityElements = {

```

```

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

```

```

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

```

```

    PreEstablished = {
        Policy = AUTHENTICATION_AND_ENCRYPTION
    }
}

```

```
}  
  
TunnelSecurityElements = {  
    Public = {  
        ContextName = LONG_NAMES  
        MechanismName = LOWEST_LEVEL_SECURITY  
        Policy = NO_SECURITY  
    }  
  
    Management = {  
        ContextName = LONG_NAMES_WITH_CIPHERING  
        MechanismName = HIGH_LEVEL_SECURITY_GMAC  
        Policy = AUTHENTICATION_AND_ENCRYPTION  
        Password = '\\12345678'  
    }  
  
    PreEstablished = {  
        Policy = AUTHENTICATION_AND_ENCRYPTION  
    }  
}  
  
HDLCProfile = {  
  
    PhysicalLayer = {  
        // EchoingPort = FALSE  
        OpeningMode = DIRECT_HDLC  
        HdlcBaud = 9600  
    }  
  
    DataLinkLayer = {  
        InactivityTimeout = 120000  
        InterFrameTimeout = 50  
        ResponseTimeout = 2000  
        ServerLowerMacAddress = 0x11  
        DISCToNDMTimeout = 0  
        AddressingSchemes = [ONE_BYTE_ADDRESSING, TWO_BYTES_ADDRESSING, FOUR_BYTES_ADDRESSING]  
    }  
}
```

* Miscellaneous *

TestMode: Tunnel
Test Plan Signature: ACBE65E259026FF3DBCA3984316262A1
Object Model: IDIS - object model - V1.24 (20111025).xlsx
DUT system title: 454C536530324804
DC MeterId: ELS6530324804
Run number: 98
--

80D876E26CC7C9B23071A1EC49DCCF3B