

UTMC-OverheightWarningSigns DEFINITIONS ::= BEGIN

-- UTMC-OverheightWarningSigns-Ver101.txt
-- Revision: 1.00
-- Product No: Overheight Warnig Sign
-- Date: 26/11/2008
-- Written: Alex Gottschalck

-- Revision History
-- V1.00 26/11/2008 First Issue
-- V1.01 09/04/2009 Add SMS
-- V1.02 28/04/2009 Correction Comma encountered

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-- This module provides definitions and registration points for
-- Overheight warning signs

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IMPORTS

TRAP-TYPE
FROM RFC-1215
OBJECT-TYPE
FROM RFC-1212
utmc, UTMCTime, TruthValue
FROM UTMC-Header-MIB;

SMI IPAddress

-- the path to the root

utmcOverheightSigns OBJECT IDENTIFIER ::= { utmc 9}
utmcOverheightSignsType1 OBJECT IDENTIFIER ::= { utmcOverheightSigns
1}

overheightSignSystem OBJECT IDENTIFIER ::= {
utmcOverheightSignsType1 1 } overheightSignConfiguration OBJECT
IDENTIFIER ::= { utmcOverheightSignsType1 2 } overheightSignStatus
OBJECT IDENTIFIER ::= { utmcOverheightSignsType1 3 } overheightSignFault
OBJECT IDENTIFIER ::= { utmcOverheightSignsType1 4 } overheightSignSMS
OBJECT IDENTIFIER ::= { utmcOverheightSignsType1 5 }

----- -- Traps

```
-----
----- overheightSignTrap TRAP-TYPE
ENTERPRISE utmc
VARIABLES { overheightSignState }
DESCRIPTION
    "This trap returns the objects overheightSignState by an event"

 ::= 0
```

```
faultAlarm      TRAP-TYPE
ENTERPRISE utmc
VARIABLES { overheightSignFaultNo, overheightSignFaultID,
             overheightSignFaultType, overheightSignFaultDate,
             overheightSignFaultRTC, overheightSignFaultDesc }
DESCRIPTION
    "This trap indicates that a fault has occurred.
     The last recorded fault is returned."
 ::= 1
```

```
-----
----- -- General and Identification objects
-----
```

```
overheightSignSoftwareVer    OBJECT-TYPE
SYNTAX      DisplayString (SIZE(50))
ACCESS      read-only
STATUS      mandatory
DESCRIPTION
    "Returns the Sign controller Software Version as Vmajor.minor"
 ::= { overheightSignSystem 1 }
```

```
overheightSignPassword      OBJECT-TYPE
SYNTAX      DisplayString (SIZE(50))
ACCESS      read-write
STATUS      mandatory
DESCRIPTION
    "The password object must be accessed and a valid password entered
before any of the following objects will be available to the SNMP
interface. A value of 'logoff' is used to log the user off. A value of
null indicates that no password is been used." ::= { overheightSignSystem
2 }
```

```
overheightSignTrapIPAddress  OBJECT-TYPE
SYNTAX      IpAddress
ACCESS      read-write
STATUS      mandatory
DESCRIPTION
    " This object hold the IP Address to which traps are returned.
If the object is invalid or 0.0.0.0 then traps are returned to the IP
Address of the manager which last made a Set or Get request"
 ::= { overheightSignSystem 3 }
```

```
overheightSignTrapPort      OBJECT-TYPE
SYNTAX      INTEGER
ACCESS      read-write
STATUS      mandatory
```

DESCRIPTION

" This object hold the Port number to which traps are returned.
If the object is invalid or 0 then traps are returned to the local Port of
the manager which last made a Set or Get request"
::= { overheightSignSystem 4 }

overheightSignSnmIPAddress OBJECT-TYPE

SYNTAX IPAddress
ACCESS read-write
STATUS mandatory

DESCRIPTION

" This object hold the IP Address to which SNMP connection is done.
If the object is invalid or 0.0.0.0 then the sign works as SNMP server
otherwise as a client and will be initiate the connection"
::= { overheightSignSystem 5 }

overheightSignSnmPort OBJECT-TYPE

SYNTAX INTEGER
ACCESS read-write
STATUS mandatory

DESCRIPTION

" If the system works as SNMP server this is the port thats waiting
for SNMP messages otherwise is the port for the connection to a central
system" ::= { overheightSignSystem 6 }

overheightSignMIBVer OBJECT-TYPE

SYNTAX INTEGER
ACCESS read-only
STATUS mandatory

DESCRIPTION

"Returns the Car Park MIB Version. Version 1.08 is sent as 108"
::= { overheightSignSystem 7 }

overheightSignSetPassword OBJECT-TYPE

SYNTAX DisplayString (SIZE(50))
ACCESS read-write
STATUS mandatory

DESCRIPTION

"This object sets the password to be used to log on. Null indicates
no password" ::= { overheightSignSystem 8 }

overheightSignRTC OBJECT-TYPE

SYNTAX UTMCTime
ACCESS read-write
STATUS mandatory

DESCRIPTION

"This object sets or returns the current time" ::= {
overheightSignSystem 9 }

----- -- Sign Configuration

overheightSignNumOfSensors OBJECT-TYPE

SYNTAX INTEGER (1..24)
ACCESS read-only

STATUS mandatory

DESCRIPTION

"Number of sensors in system."

::= { overheightSignConfiguration 1 }

overheightSignSensorTable OBJECT-TYPE

SYNTAX SEQUENCE OF OverheightSignSensorEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Table contains unit configuration for sensor."

::= {overheightSignConfiguration 2 }

overheightSignSensorEntry OBJECT-TYPE

SYNTAX OverheightSignSensorEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"This object is used for configuration values relating to a sensor."

INDEX {overheightSignSensorNum}

::= {overheightSignSensorTable 1}

OverheightSignSensorEntry ::= SEQUENCE {

overheightSignSensorNum

INTEGER,

overheightSignSensorType

INTEGER

}

overheightSignSensorNum OBJECT-TYPE

SYNTAX INTEGER (1..24)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"sensor number (1->N)"

::={overheightSignSensorEntry 1}

overheightSignSensorType OBJECT-TYPE

SYNTAX INTEGER {

loopDetector(1),

infraredBeam(2),

laserBeam(3)

}

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Type of the sensor."

::= { overheightSignSensorEntry 2 }

overheightSignNumofSigns OBJECT-TYPE

SYNTAX INTEGER (1..4)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Number of signs in the system."

::= { overheightSignConfiguration 3 }

overheightSignSignTable OBJECT-TYPE
 SYNTAX SEQUENCE OF OverheightSignSignEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 "Table contains unit configuration for signs."
 ::= {overheightSignConfiguration 4}

overheightSignSignEntry OBJECT-TYPE
 SYNTAX OverheightSignSignEntry
 ACCESS not-accessible
 STATUS mandatory
 DESCRIPTION
 "This object is used for configuration values relating to a sign."
 INDEX {overheightSignSignNum}
 ::= {overheightSignSignTable 1}

OverheightSignSignEntry ::= SEQUENCE {
 overheightSignSignNum INTEGER,
 overheightSignSignType INTEGER,
 overheightSignBeaconType INTEGER
 }

overheightSignSignNum OBJECT-TYPE
 SYNTAX INTEGER (1..4)
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "sensor number (1->N)"
 ::= {overheightSignSignEntry 1}

overheightSignSignType OBJECT-TYPE
 SYNTAX INTEGER {
 led(1),
 other(2)
 }
 ACCESS read-only
 STATUS mandatory
 DESCRIPTION
 "Type of the sign."
 ::= { overheightSignSignEntry 2 }

overheightSignBeaconType OBJECT-TYPE
 SYNTAX INTEGER {
 other(1),
 none(2),
 oneBeacon (3),
 twoBeaconSyncFlash (4),
 twoBeaconsOppFlash (5),
 fourBeaconSyncFlash (6),
 fourBeaconAltRowFlash (7),
 fourBeaconAltColumnFlash (8),
 fourBeaconAltDiagonalFlash (9),
 fourBeaconNoSyncFlash
 (10),
 oneBeaconStrobe (11),
 twoBeaconStrobe (12),
 }

```

        fourBeaconStrobe (13)
    }
ACCESS    read-only
STATUS    mandatory
DESCRIPTION
    "Type of the beacon on this sign."
 ::= { overheightSignSignEntry 3 }

```

```

-----
----- -- Messages
-----
-----

```

```

overheightSignNumberOfMessages    OBJECT-TYPE
SYNTAX    INTEGER (1..4)
ACCESS    read-only
STATUS    mandatory
DESCRIPTION
    "Number of message per sign"
 ::= {overheightSignConfiguration 5 }

```

```

overheightSignMessageTable    OBJECT-TYPE
SYNTAX    SEQUENCE OF OverheightSignMessageEntry
ACCESS    not-accessible
STATUS    mandatory
DESCRIPTION
    "Table contains unit configuration for the messages of a sign."
 ::= {overheightSignConfiguration 6}

```

```

overheightSignMessageEntry    OBJECT-TYPE
SYNTAX    OverheightSignMessageEntry
ACCESS    not-accessible
STATUS    mandatory
DESCRIPTION    "This object is used for configuration values relating to
the message of a sign." INDEX {overheightSignNum,
overheightSignMessageNum}
 ::= {overheightSignMessageTable 1}

```

```

OverheightSignMessageEntry ::= SEQUENCE {
        overheightSignNum                INTEGER,
        overheightSignMessageNum          INTEGER,
overheightSignMessageText                DisplayString,
        overheightSignMessageBeacon       INTEGER
    }

```

```

overheightSignNum    OBJECT-TYPE
SYNTAX    INTEGER (1..4)
ACCESS    read-only
STATUS    mandatory
DESCRIPTION
    "sign number (1->N)"
 ::= {overheightSignMessageEntry 1}

```

```

overheightSignMessageNum OBJECT-TYPE
SYNTAX    INTEGER (1..4)
ACCESS    read-only

```

STATUS mandatory

DESCRIPTION

"message number (1->N)"

::={overheightSignMessageEntry 2}

overheightSignMessageText OBJECT-TYPE

SYNTAX DisplayString (SIZE(0..100))

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Type text of the message displayed on the sign."

::= {overheightSignMessageEntry 3 }

overheightSignMessageBeacon OBJECT-TYPE SYNTAX INTEGER {

other(1),

off(2),

on(3)

}

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Type status of the beacons for this message."

::= {overheightSignMessageEntry 4 }

----- -- Sign Status

overheightSignActivation OBJECT-TYPE

SYNTAX TruthValue

ACCESS read-write

STATUS mandatory

DESCRIPTION

"Activation status."

::= { overheightSignStatus 1 }

overheightSignManualOperation OBJECT-TYPE

SYNTAX TruthValue

ACCESS read-write

STATUS mandatory

DESCRIPTION

"Enables the manual setting of activation."

::= { overheightSignStatus 2 }

overheightSignManualActivation OBJECT-TYPE

SYNTAX TruthValue

ACCESS read-write

STATUS mandatory

DESCRIPTION

"Manual setting of activation."

::= { overheightSignStatus 3 }

overheightSignLastActivationTime OBJECT-TYPE

SYNTAX UTMCTime ACCESS read-only

STATUS mandatory

DESCRIPTION

"This object sets or returns the time of the last activation"
 ::= { overheightSignStatus 4 }

----- -- Faults

overheightSignShortFaultID OBJECT-TYPE

SYNTAX INTEGER (0..65535)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"A bitmap of summary errors where the bits are defined as follows:

Bit 0- other error - this bit shall be set, if any error not defined
below occurs that disables normal operation of the device.

Bit 1- loop detector error.

Bit 2- infrared or laser beam error.

Bit 3- internal communication error.

Bit 4- noncritical LED error.

Bit 5- critical LED error.

Bit 6- dimming error.

If a bit is set to one (1), then the associated error is existing; if the
bit is set to zero (0), then the associated error is not existing. To
track a error utilize the overheightSignFaultTable." ::= {

overheightSignFault 1 }

overheightSignFaultTable OBJECT-TYPE

SYNTAX SEQUENCE OF OverheightSignFaultEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"Provides a table of instances of faults."

::= { overheightSignFault 2 }

overheightSignFaultEntry OBJECT-TYPE

SYNTAX OverheightSignFaultEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"A list of faults"

INDEX { overheightSignFaultNo }

::= { overheightSignFaultTable 1 }

OverheightSignFaultEntry ::=

SEQUENCE {

overheightSignFaultNo

INTEGER,

overheightSignFaultID

INTEGER,

overheightSignFaultType

INTEGER,

overheightSignFaultRTC

UTMCTime,

overheightSignFaultDesc

OCTET STRING

}

overheightSignFaultNo OBJECT-TYPE

SYNTAX INTEGER (0..256)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Returns the index for a fault entry"

::= { overheightSignFaultEntry 1}

overheightSignFaultID OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Returns the identifier for the fault type"

::= { overheightSignFaultEntry 2}

overheightSignFaultType OBJECT-TYPE

SYNTAX INTEGER {
equipment(1),
comms(2),
dF(3)
}

ACCESS read-only

STATUS deprecated

DESCRIPTION

"Returns the sub-type for the fault type"

::= { overheightSignFaultEntry 3}

overheightSignFaultRTC OBJECT-TYPE

SYNTAX UTMCTime

ACCESS read-only

STATUS mandatory

DESCRIPTION

"This object returns the fault time"

::= { overheightSignFaultEntry 4}

overheightSignFaultDesc OBJECT-TYPE

SYNTAX OCTET STRING

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Returns a user string with extended fault information."

::= { overheightSignFaultEntry 5}

----- -- Mobilphone Short Messages (SMS)

overheightSignSMSNumberOfTelephoneEntrys OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Number of entrys in the overheightSignSMSNumberTable"
::= { overheightSignSMS 1 }

overheightSignSMSNumberTable OBJECT-TYPE
SYNTAX SEQUENCE OF OverheightSignSMSNumberEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION
"Provides a table of instances of SMS telephone numbers."
::= { overheightSignSMS 2 }

overheightSignSMSNumberEntry OBJECT-TYPE SYNTAX
OverheightSignSMSNumberEntry
ACCESS not-accessible
STATUS mandatory
DESCRIPTION
"A list of SMS entrys"
INDEX { overheightSignSMSEntryNo }
::= { overheightSignSMSNumberTable 1 }

OverheightSignSMSNumberEntry ::=
SEQUENCE {
overheightSignSMSEntryNo
INTEGER,
overheightSignSMSEntryNumber
OCTET STRING
}

overheightSignSMSEntryNo OBJECT-TYPE
SYNTAX INTEGER (0..256)
ACCESS read-only
STATUS mandatory
DESCRIPTION
"Index of telephone numbers" ::= { overheightSignSMSNumberEntry 1}

overheightSignSMSEntryNumber OBJECT-TYPE
SYNTAX DisplayString (SIZE(25))
ACCESS read-write
STATUS mandatory
DESCRIPTION
"Telephone numbers. An empty string means this entry is not used"
::= { overheightSignSMSNumberEntry 2}

overheightSignSMSNumberofSMSTexts OBJECT-TYPE
SYNTAX INTEGER
ACCESS read-only
STATUS mandatory
DESCRIPTION
"Number of entrys in the overheightSignSMSNumberTable"
::= { overheightSignSMS 3 }

overheightSignSMSTextTable OBJECT-TYPE
SYNTAX SEQUENCE OF OverheightSignSMSTextEntry
ACCESS not-accessible
STATUS mandatory

DESCRIPTION

"Provides a table of instances of SMS Texts."

::= { overheightSignSMS 4 }

overheightSignSMSTextEntry OBJECT-TYPE

SYNTAX OverheightSignSMSTextEntry

ACCESS not-accessible

STATUS mandatory

DESCRIPTION

"A list of SMS entrys"

INDEX { overheightSignSMSTextNo }

::= { overheightSignSMSTextTable 1 }

OverheightSignSMSTextEntry ::=

SEQUENCE {
 overheightSignSMSTextNo
 INTEGER,
 overheightSignSMSDecriptionOfUse
 OCTET STRING,
 overheightSignSMSString
 OCTET STRING
}

overheightSignSMSTextNo OBJECT-TYPE

SYNTAX INTEGER (0..256)

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Index of telephone numbers"

::= { overheightSignSMSTextEntry 1}

overheightSignSMSDecriptionOfUse OBJECT-TYPE

SYNTAX DisplayString (SIZE(50))

ACCESS read-only

STATUS mandatory

DESCRIPTION

"Description of event that will be send this text (i.e. error Sensor 1)" ::= { overheightSignSMSTextEntry 2}

overheightSignSMSString OBJECT-TYPE

SYNTAX DisplayString (SIZE(50))

ACCESS read-write

STATUS mandatory

DESCRIPTION

"Texts for SMS Messages"

::= { overheightSignSMSTextEntry 3}

END