

# MiVoice MX-ONE Service Node Alarm MIB

OPERATIONAL DIRECTIONS



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# 1

## GENERAL

The latest MIB can always be found in the installed MX-ONE system.

**Note:** Some obsolete alarms, only valid for phased-out objects, are in the MIB. Examples are alarms for VCU (Voice Compression Unit).

## 2

## MIB TEXT

```

--*****--
-- MX-ONE TS ALARM MIB --
-- This MIB describes the alarm handling (activeAlarmTable)
-- and tables for equipment (mxLimTable and tsObjects)
-- of the MX-ONE Telephony Server (TS) --
--*****----- Copyright
(c) 2011 by Aastra Technologies Limited
-- All rights reserved. --
-- Note: activeAlarms and mxserverStatus are local tables in -- the server
(lim) snmp is requesting. --
-- mxInterfaces are system wide tables spanning all lims. --
-- Note: All taps are sent from the local server (lim).
--*****--MX-ONE-TS-AL
ARM-MIB DEFINITIONS ::= BEGIN
IMPORTS
    NOTIFICATION-TYPE, OBJECT-TYPE,
    enterprises
        FROM SNMPv2-SMI
    DisplayString
        FROM SNMPv2-TC;

aastraMibs OBJECT IDENTIFIER ::= {enterprises aastra(11268) 2}
aastraOidMx-one OBJECT IDENTIFIER ::= {aastraMibs 8}
tsAlarm OBJECT IDENTIFIER ::= {aastraOidMx-one 1}

-- Version of TS Alarm MIB
tsAlarmR1 OBJECT IDENTIFIER ::= {tsAlarm 1}

activeAlarms OBJECT IDENTIFIER ::= {tsAlarmR1 1}
tsTrap OBJECT IDENTIFIER ::= {tsAlarmR1 2}
tsTrapV2 OBJECT IDENTIFIER ::= {tsTrap 0}

--*****--
-- * Alarm Status --
--*****--

mxalStatus OBJECT-TYPE
    SYNTAX      INTEGER {
                    indeterminate(5),
                    critical(4),
                    major (3),
                    minor (2),
                    warning (1),
                    normal (0)
                }
    MAX-ACCESS   read-only
    STATUS       current
    DESCRIPTION
        "The current alarm status of the MX-ONE TS node:
         indeterminate - Status unknown
         critical - Any active alarms with severity 4

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        major      - Any active alarms with severity 3
        minor      - Any active alarms with severity 2
        warning    - Any active alarms with severity 1
        normal     - Any active alarms with severity 0
                    or no active alarms."
 ::= {activeAlarms 1}

--*****--
-- * Active Alarm List --
--*****--

activeAlarmTable OBJECT-TYPE
    SYNTAX      SEQUENCE OF ActiveAlarmEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        "A table of active alarms in the MX-ONE TS node."
    ::= {activeAlarms 2}

activeAlarmEntry OBJECT-TYPE
    SYNTAX      ActiveAlarmEntry
    MAX-ACCESS  not-accessible
    STATUS      current
    DESCRIPTION
        "
        INDEX          {mxalHandle}
    ::= {activeAlarmTable 1}

ActiveAlarmEntry ::= SEQUENCE {
    mxalHandle INTEGER,
    mxalFrom DisplayString,
    mxalFaultCode DisplayString,
    mxalSeverity INTEGER,
    mxalWhere DisplayString,
    mxalExplanation DisplayString,
    mxalNoticed INTEGER,
    mxalNoticedNote DisplayString
}

mxalHandle OBJECT-TYPE
    SYNTAX      INTEGER (0..4294967295) -- 2**32-1 --
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
        "Handle of an MX-ONE alarm. An alarm instance is
        identified by its handle and the lim number."
    ::= {activeAlarmEntry 1}

mxalFrom OBJECT-TYPE
    SYNTAX      DisplayString
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
        "Sending lim (and unit) related to the alarm."
    ::= {activeAlarmEntry 2}

mxalFaultCode OBJECT-TYPE

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SYNTAX      DisplayString
MAX-ACCESS  read-only
STATUS      current
DESCRIPTION
    "Fault Code of an MX-ONE alarm. Indicates type of alarm.
    Fault code is domain:code (within domain).
    Example: Fault code 5:8."
 ::= {activeAlarmEntry 3}

mxalSeverity      OBJECT-TYPE
    SYNTAX      INTEGER {
        indeterminate(5),
        critical(4),
        major (3),
        minor (2),
        warning (1),
        normal (0)
    }
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
        "The current alarm status of the MX-ONE TS node:
        indeterminate - Status unknown
        critical - Alarm with severity 4
        major - Alarm with severity 3
        minor - Alarm with severity 2
        warning - Alarm with severity 1
        normal - Alarm with severity 0."
 ::= {activeAlarmEntry 4}

mxalWhere      OBJECT-TYPE
    SYNTAX      DisplayString
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
        "Faulty unit etc related to the alarm."
 ::= {activeAlarmEntry 5}

mxalExplanation OBJECT-TYPE
    SYNTAX      DisplayString
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
        "Textual description associated with the alarm."
 ::= {activeAlarmEntry 6}

mxalNoticed      OBJECT-TYPE
    SYNTAX      INTEGER {
        yes (1),
        no (2)
    }
    MAX-ACCESS  read-only
    STATUS      current
    DESCRIPTION
        "Indicates if the alarm is noticed. May indicate
        that someone is working on the problem."
 ::= {activeAlarmEntry 7}

```

```

mxalNoticedNote    OBJECT-TYPE
    SYNTAX          DisplayString
    MAX-ACCESS      read-only
    STATUS          current
    DESCRIPTION
        "Comment added to the alarm when noticed."
        ::= {activeAlarmEntry 8}

--*****--
-- * The alarm traps                                     --
--*****--

mxAlarmCritical    NOTIFICATION-TYPE
    OBJECTS {
        mxalHandle,
        mxalFrom,
        mxalFaultCode,
        mxalSeverity,
        mxalWhere,
        mxalExplanation,
        mxalNoticed,
        mxalNoticedNote
    }
    STATUS          current
    DESCRIPTION
        "This trap is sent when an MX-ONE alarm with
         severity 4 is detected."
        ::= {tsTrapV2 1 }

mxAlarmMajor       NOTIFICATION-TYPE
    OBJECTS {
        mxalHandle,
        mxalFrom,
        mxalFaultCode,
        mxalSeverity,
        mxalWhere,
        mxalExplanation,
        mxalNoticed,
        mxalNoticedNote
    }
    STATUS          current
    DESCRIPTION
        "This trap is sent when an MX-ONE alarm with
         severity 3 is detected."
        ::= {tsTrapV2 2 }

mxAlarmMinor       NOTIFICATION-TYPE
    OBJECTS {
        mxalHandle,
        mxalFrom,
        mxalFaultCode,
        mxalSeverity,
        mxalWhere,
        mxalExplanation,
        mxalNoticed,
        mxalNoticedNote
    }

```

```

    }
    STATUS      current
    DESCRIPTION
        "This trap is sent when an MX-ONE alarm with
        severity 2 is detected."
    ::= {tsTrapV2 3 }

mxAlarmWarning NOTIFICATION-TYPE
    OBJECTS {
        mxalHandle,
        mxalFrom,
        mxalFaultCode,
        mxalSeverity,
        mxalWhere,
        mxalExplanation,
        mxalNoticed,
        mxalNoticedNote
    }
    STATUS      current
    DESCRIPTION
        "This trap is sent when an MX-ONE alarm with
        severity 1 is detected."
    ::= {tsTrapV2 4 }

mxAlarmSysClear NOTIFICATION-TYPE
    OBJECTS {
        mxalHandle,
        mxalFrom,
        mxalFaultCode,
        mxalSeverity,
        mxalWhere,
        mxalExplanation,
        mxalNoticed,
        mxalNoticedNote
    }
    STATUS      current
    DESCRIPTION
        "This trap is sent when an MX-ONE alarm is
        cleared by the system (problem gone)."
    ::= {tsTrapV2 5 }

mxAlarmOpClear NOTIFICATION-TYPE
    OBJECTS {
        mxalHandle,
        mxalFrom,
        mxalFaultCode,
        mxalSeverity,
        mxalWhere,
        mxalExplanation,
        mxalNoticed,
        mxalNoticedNote
    }
    STATUS      current
    DESCRIPTION
        "This trap is sent when an MX-ONE alarm is
        cleared by the operator."
    ::= {tsTrapV2 6 }

```



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mxAlarmStatusChange NOTIFICATION-TYPE
    OBJECTS {
        mxalFrom,
        mxalStatus
    }
    STATUS current
    DESCRIPTION
        "This trap is sent when the alarm status
        of the lim is changed."
    ::= { tsTrapV2 2000 }

--*****--
-- * Object Status --
--*****--
tsObjects OBJECT IDENTIFIER ::= { tsAlarm 2}

-- MX-ONE Server status --
mxSystemStatus OBJECT IDENTIFIER ::= { tsObjects 1}
-- --

mxRelease OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS current
    DESCRIPTION
        " Indicates MX-ONE release. This data is provided
        from the software interface and cannot be changed
        ex. 13.2.123 "
    ::= { mxSystemStatus 1}

-- --

mxLimTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MxLimEntry
    ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A table with data for the interfaces.
        The variables are almost the same as the
        interface group in mib-2."
    ::= { mxSystemStatus 2}

mxLimEntry OBJECT-TYPE
    SYNTAX MxLimEntry
    ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "
    INDEX {mxLimIndex}
    ::= { mxLimTable 1}

MxLimEntry ::= SEQUENCE {
    mxLimIndex INTEGER,
    mxLimWhere DisplayString,
    mxLimIp DisplayString,
    mxlimBackupStatus INTEGER,

```

```

mxlimBackupInfo    DisplayString,
mxLimCCLInfo       INTEGER,
mxLimStatus        INTEGER
}

mxLimIndex OBJECT-TYPE
    SYNTAX  INTEGER
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A directory number."
        ::= {mxLimEntry 1}

mxLimWhere OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "DNS name if any."
        ::= {mxLimEntry 2}

mxLimIp OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "The IP address currently in use"
        ::= {mxLimEntry 3}

mxlimBackupStatus OBJECT-TYPE
    SYNTAX  INTEGER {
        ok(1),
        error(2)
    }
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "Operational status of the backup in the LIM. "
        ::= {mxLimEntry 4}

mxlimBackupInfo OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "Additional information regarding the backup in the LIM."
        ::= {mxLimEntry 5}

mxLimCCLInfo OBJECT-TYPE
    SYNTAX  INTEGER {
        noCCL (1),
        masterCCL (2),
        reserveCCL (3),
        additionalCCL (4),
        unknown (5)
    }
    ACCESS  read-only

```

```

        STATUS current
        DESCRIPTION
            "Synchronization data in the LIM."
            ::= {mxLimEntry 6}

mxLimStatus OBJECT-TYPE
    SYNTAX INTEGER {
        running(1),
        manual-blocked(2),
        system-blocked(3),
        blocked(4),
        unknown (5)
    }
    ACCESS read-only
    STATUS current
    DESCRIPTION
        "The traffic state of the lim.
        unknown result if the lim connected
        to is isolated."
        ::= {mxLimEntry 7}

-- --

mxObjectStatus OBJECT-TYPE
    SYNTAX INTEGER {
        running (1),
        disturbed(2),
        blocked (3),
        removed (4),
        created (5),
        unknown (6)
    }
    MAX-ACCESS accessible-for-notify
    STATUS current
    DESCRIPTION
        "The traffic state of the object."
        ::= {mxSystemStatus 3}

-- MX-ONE Interface status --
mxInterfaces OBJECT IDENTIFIER ::= {tsObjects 2}
mxIfTrap OBJECT IDENTIFIER ::= {tsObjects 3}
-- --

-- --
mxIfTrunk OBJECT IDENTIFIER ::= {mxInterfaces 2}
-- --

mxRouteTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MxRouteEntry
    ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A table with data for the interfaces."
        ::= { mxIfTrunk 1}

mxRouteEntry OBJECT-TYPE
    SYNTAX MxRouteEntry

```

```

ACCESS    not-accessible
STATUS    current
DESCRIPTION
"
INDEX      {mxRouteIndex}
          ::= { mxRouteTable 1}

MxRouteEntry ::= SEQUENCE {
                                mxRouteIndex      INTEGER,
                                mxRouteType        DisplayString,
                                mxRouteDescr       DisplayString,
                                mxRouteBearerCap   DisplayString
                                }

mxRouteIndex OBJECT-TYPE
    SYNTAX  INTEGER
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "The route number."
        ::= {mxRouteEntry 1}

mxRouteType OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "Type of route, public or tie-line. Signalling system
        used.
        Example: Public route, signal system = ISDN."
        ::= {mxRouteEntry 2}

mxRouteDescr OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "Route type. See MML TYPE of interface."
        ::= {mxRouteEntry 3}

mxRouteBearerCap OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        " Bearer capabilities of the route
        Corresponds to the MML parameter RO BCAP.
        The positions is a string of 0 and 1.
        Each position of the string corresponds
        to a Bearer capability attribute,
        A position set to 1 means that the
        corresponding capability is provided.
        pos 1      : 64 kbps Unrestricted
        pos 2      : 64 kbps Restricted
        pos 3      : 3.1 kHz Audio
        pos 4      : Speech
        pos 5      : 7 kHz Audio

```

```

        pos 6      : 16 kbit/s unrestr. digital"
        ::= {mxRouteEntry 4}

-- --
mxTrunkTable OBJECT-TYPE
    SYNTAX  SEQUENCE OF MxTrunkEntry
    ACCESS  not-accessible
    STATUS  current
    DESCRIPTION
        "A table with data for the trunk interfaces."
        ::= { mxIfTrunk 2}

mxTrunkEntry OBJECT-TYPE
    SYNTAX  MxTrunkEntry
    ACCESS  not-accessible
    STATUS  current
    DESCRIPTION
        "
    INDEX      {mxTrunkIndex}
        ::= { mxTrunkTable 1}

MxTrunkEntry ::= SEQUENCE {
    mxTrunkIndex      INTEGER,
    mxTrunkId         DisplayString,
    mxTrunkRouteNo    INTEGER,
    mxTrunkWhere      DisplayString,
    mxTrunkDescr      DisplayString,
    mxTrunkAddDescr   DisplayString,
    mxTrunkOperStatus INTEGER
}

mxTrunkIndex OBJECT-TYPE
    SYNTAX  INTEGER
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A unique value for each interface.  Its value
        is calculated as: X = route number, Y = lim number,
        Z = trunk individual within lim and route.
        mxTrunkIndex = (X*2097152) + (Y*4096) + Z  "
        ::= {mxTrunkEntry 1}

mxTrunkId OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A textual string containing information about the
        remote end."
        ::= {mxTrunkEntry 2}

mxTrunkRouteNo OBJECT-TYPE
    SYNTAX  INTEGER
    ACCESS  read-only
    STATUS  current
    DESCRIPTION

```

```

        "The route number. Linkin to mxRouteTable"
        ::= {mxTrunkEntry 3}

mxTrunkWhere OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "EQU position."
        ::= {mxTrunkEntry 4}

mxTrunkDescr OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "Trunk type. See MML TYPE of interface."
        ::= {mxTrunkEntry 5}

mxTrunkAddDescr OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A textual string containing information about the
        remote end."
        ::= {mxTrunkEntry 6}

mxTrunkOperStatus OBJECT-TYPE
    SYNTAX  INTEGER {
        idle(1),
        busy(2),
        blocked(3),
        unknown(4)
    }
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "The traffic state of the interface."
        ::= {mxTrunkEntry 7}

-- --
mxIfOperator OBJECT IDENTIFIER ::= {mxInterfaces 3}
-- --

mxOpiTable OBJECT-TYPE
    SYNTAX  SEQUENCE OF MxOpiEntry
    ACCESS  not-accessible
    STATUS  current
    DESCRIPTION
        "A table with data for each switch board attendant
        extension"
        ::= { mxIfOperator 1}

mxOpiEntry OBJECT-TYPE
    SYNTAX  MxOpiEntry
    ACCESS  not-accessible
    STATUS  current

```

```

DESCRIPTION
"
INDEX          {mxOpiIndex}
               ::= { mxOpiTable 1}

MxOpiEntry ::= SEQUENCE {
                                mxOpiIndex      INTEGER,
                                mxOpiDirno      DisplayString,
                                mxOpiType       DisplayString,
                                mxOpiWhere      DisplayString,
                                mxOpiDescr      DisplayString,
                                mxOpiAddDescr   DisplayString,
                                mxOpiOperStatus INTEGER,
                                mxOpiBusyStatus INTEGER
                                }

mxOpiIndex OBJECT-TYPE
    SYNTAX  INTEGER
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A unique value for each Operator."

        ::= {mxOpiEntry 1}

mxOpiDirno OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A textual string directory number."

        ::= {mxOpiEntry 2}

mxOpiType OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "Information of type of interface for this
        interface, e.g. OPI."

        ::= {mxOpiEntry 3}

mxOpiWhere OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "Portidentity, EQU position or IP address."

        ::= {mxOpiEntry 4}

mxOpiDescr OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A textual string containing information about the
        interface."

```

```

        ::= {mxOpiEntry 5}

mxOpiAddDescr OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A textual string containing information about the
        interface."
    ::= {mxOpiEntry 6}

mxOpiOperStatus OBJECT-TYPE
    SYNTAX  INTEGER {
        manual-absent(1),
        automatic-absent(2),
        present(3),
        blocked(4),
        unknown(5)
    }
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "The traffic state of the attendant."
    ::= {mxOpiEntry 7}

mxOpiBusyStatus OBJECT-TYPE
    SYNTAX  INTEGER {
        idle(1),
        busy(2),
        unknown(3)
    }
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "The traffic state of the attendant."
    ::= {mxOpiEntry 8}

-- --
mxIfCil OBJECT IDENTIFIER ::= {mxInterfaces 5}
-- --

mxCilTable OBJECT-TYPE
    SYNTAX  SEQUENCE OF MxCilEntry
    ACCESS  not-accessible
    STATUS  current
    DESCRIPTION
        "A table with data for the CIL output."
    ::= { mxIfCil 1}

mxCilEntry OBJECT-TYPE
    SYNTAX  MxCilEntry
    ACCESS  not-accessible
    STATUS  current
    DESCRIPTION
        "
    INDEX{mxCilIndex}

```



```

 ::= { mxCilTable 1}

MxCilEntry ::= SEQUENCE {
    mxCilIndex      INTEGER,
    mxCilOutput     DisplayString,
    mxCilType       DisplayString,
    mxCilSubtype    DisplayString,
    mxCilDbName     DisplayString,
    mxCilServer     DisplayString,
    mxCilOperStatus INTEGER
}

mxCilIndex OBJECT-TYPE
    SYNTAX  INTEGER
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A unique value for each interface."
    ::= {mxCilEntry 1}

mxCilOutput OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A unique value for each interface. Its value
        is a string in format XXX-Y.
        XXX = lim number, Y = output number."
    ::= {mxCilEntry 2}

mxCilType OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "Information of type of storage."
    ::= {mxCilEntry 3}

mxCilSubtype OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "Information of type of storage."
    ::= {mxCilEntry 4}

mxCilDbName OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "Path or device for the storage."
    ::= {mxCilEntry 5}

mxCilServer OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only

```

```

STATUS current
DESCRIPTION
    "Storage server information."
    ::= {mxCilEntry 6}

mxCilOperStatus OBJECT-TYPE
    SYNTAX INTEGER {
        up(1),
        down(2),
        unknown(3)
    }
    ACCESS read-only
    STATUS current
    DESCRIPTION
        "The operational state of the interface.
        The unknown(3) state indicates that the agent
        can't get the status of the interface. The
        interface can then be either up or down."
        ::= {mxCilEntry 7}

-- --
mxIfCsta OBJECT IDENTIFIER ::= {mxInterfaces 6}
-- --
mxCtilTable OBJECT-TYPE
    SYNTAX SEQUENCE OF MxCtilEntry
    ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A table with data for the interfaces."
        ::= { mxIfCsta 1}

mxCtilEntry OBJECT-TYPE
    SYNTAX MxCtilEntry
    ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "
    INDEX
        {mxCtilIndex}
        ::= { mxCtilTable 1}

MxCtilEntry ::= SEQUENCE {
    mxCtilIndex      INTEGER,
    mxCtilGroup      DisplayString,
    mxCtilLim        INTEGER,
    mxCtilIp         DisplayString,
    mxCtilOperStatus INTEGER
}

mxCtilIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS current
    DESCRIPTION
        "A unique value for each linkgroup."

mxCtilGroup OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only

```

```

        STATUS current
        DESCRIPTION
            "Information of type of interface for this
interface, e.g MGU"
            ::= {mxCtilEntry 2}

mxCtilGroup OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS current
    DESCRIPTION
        "Group name."
        ::= {mxCtilEntry 2}

mxCtilLim OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS current
    DESCRIPTION
        "Lim number whare the interface is initiated."
        ::= {mxCtilEntry 3}

mxCtilIp OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS current
    DESCRIPTION
        "IP address."
        ::= {mxCtilEntry 4}

mxCtilOperStatus OBJECT-TYPE
    SYNTAX INTEGER {
        up(1),
        down(2),
        faulty(3),
        unknown(4)
    }
    ACCESS read-only
    STATUS current
    DESCRIPTION
        "The operational state of the interface.
        The unknown state indicates that the agent
        can't get the status of the interface. The
        interface can then be either up or down."
        ::= {mxCtilEntry 5}

-- --
mxCti3Table OBJECT-TYPE
    SYNTAX SEQUENCE OF MxCti3Entry
    ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "A table with data for the interfaces.
        The variables are almost the same as the
        interface group in mib-2."
        ::= { mxCti3Sta 2}

```

```

mxCti3Entry OBJECT-TYPE
    SYNTAX MxCti3Entry
    ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "
        INDEX          {mxCti3Index}
        ::= { mxCti3Table 1}

MxCti3Entry ::= SEQUENCE {
                                mxCti3Index      INTEGER,
                                mxCti3Type       DisplayString,
                                mxCti3Lim        INTEGER,
                                mxCti3Ip         DisplayString,
                                mxCti3Port       DisplayString,
                                mxCti3AddDescr   DisplayString,
                                mxCti3OperStatus INTEGER
                            }

mxCti3Index OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS current
    DESCRIPTION
        "A unique value for each interface."
        ::= {mxCti3Entry 1}

mxCti3Type OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS current
    DESCRIPTION
        "Information of type of protocol used for this
        interface. ASN1 or XML."
        ::= {mxCti3Entry 2}

mxCti3Lim OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS current
    DESCRIPTION
        "Lim number where the interface is initiated."
        ::= {mxCti3Entry 3}

mxCti3Ip OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS current
    DESCRIPTION
        "IP address."
        ::= {mxCti3Entry 4}

mxCti3Port OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS current

```

```

        DESCRIPTION
            "Port number."
            ::= {mxCti3Entry 5}

mxCti3OperStatus OBJECT-TYPE
    SYNTAX  INTEGER {
        UnInitialized (1),
        Initialized (2),
        Enabled (3),
        Disabled (4),
        NotExist (5)
    }
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "The operational state of the interface.
        The unknown(3) state indicates that the agent
        can't get the status of the interface. The
        interface can then be either up or down."
        ::= {mxCti3Entry 6}

-- --
mxIfGici OBJECT IDENTIFIER ::= {mxInterfaces 7}
-- --

mxIcuTable OBJECT-TYPE
    SYNTAX  SEQUENCE OF MxIcuEntry
    ACCESS  not-accessible
    STATUS  current
    DESCRIPTION
        "A table with information system computer
        connections."
        ::= { mxIfGici 1}

mxIcuEntry OBJECT-TYPE
    SYNTAX  MxIcuEntry
    ACCESS  not-accessible
    STATUS  current
    DESCRIPTION
        "
    INDEX   {mxIcuIndex}
    ::= { mxIcuTable 1}

MxIcuEntry ::= SEQUENCE {
    mxIcuIndex      INTEGER,
    mxIcuIfcInd     INTEGER,
    mxIcuType       INTEGER,
    mxIcuInterface  INTEGER,
    mxIcuLim        INTEGER,
    mxIcuInfo       DisplayString,
    mxIcuOperStatus INTEGER
}

mxIcuIndex OBJECT-TYPE
    SYNTAX  INTEGER
    ACCESS  read-only
    STATUS  current

```

```

        DESCRIPTION
            "A unique value for each information system."
            ::= {mxIcuEntry 1}

mxIcuIfcInd OBJECT-TYPE
    SYNTAX  INTEGER
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A unique value for each information system."
        ::= {mxIcuEntry 2}

mxIcuType OBJECT-TYPE
    SYNTAX  INTEGER {
        IFC-initiated(1),
        ICS(2),
        VS-F(3),
        EM(4),
        ACD-MIS(5),
        ANCD(6),
        unknown(255)
    }
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "Information of type of interface."
        ::= {mxIcuEntry 3}

mxIcuInterface OBJECT-TYPE
    SYNTAX  INTEGER {
        ICU(1),
        V24(2),
        Ethernet(3),
        Generic(4),
        unknown(5)
    }
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "Type of interface. e.g. V24 or Ethernet."
        ::= {mxIcuEntry 4}

mxIcuLim OBJECT-TYPE
    SYNTAX  INTEGER
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "Lim number where the information system computer is
        connected. Not used = 0 "
        ::= {mxIcuEntry 5}

mxIcuInfo OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "IP address, port number

```

```

                                or V24 data"
                                ::= {mxIcuEntry 6}

mxIcuOperStatus OBJECT-TYPE
    SYNTAX  INTEGER {
                                up(1),
                                down(2),
                                unknown(3)
                                }
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "The operational state of the interface.
        The unknown(3) state indicates that the agent
        can't get the status of the interface. The
        interface can then be either up or down,
        also used for generic type"
    ::= {mxIcuEntry 7}

-- --
mxIfSwitch OBJECT IDENTIFIER ::= {mxInterfaces 9}
-- --

mxMgwTable OBJECT-TYPE
    SYNTAX  SEQUENCE OF MxMgwEntry
    ACCESS  not-accessible
    STATUS  current
    DESCRIPTION
        "A table with data for backplanes (MGW)."
    ::= { mxIfSwitch 1}

mxMgwEntry OBJECT-TYPE
    SYNTAX  MxMgwEntry
    ACCESS  not-accessible
    STATUS  current
    DESCRIPTION
        "
    INDEX   {mxMgwIndex}
    ::= { mxMgwTable 1}

MxMgwEntry ::= SEQUENCE {
                                mxMgwIndex      INTEGER,
                                mxMgwWhere      DisplayString,
                                mxMgwType       DisplayString,
                                mxMgwDescr      DisplayString,
                                mxMgwOperStatus INTEGER
                                }

mxMgwIndex OBJECT-TYPE
    SYNTAX  INTEGER
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A unique value for each backplane.
        format: XXXY.  XXX is Lim 001-124, and
        Y is backplane A-O"
    ::= {mxMgwEntry 1}

```

```

mxMgwWhere OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "Text string, address in system ex: Mgw 1B"
        ::= {mxMgwEntry 2}

mxMgwType OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "Information of type of backplane.."
        ::= {mxMgwEntry 3}

mxMgwDescr OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A textual string containing information about the
        interface."
        ::= {mxMgwEntry 4}

mxMgwOperStatus OBJECT-TYPE
    SYNTAX  INTEGER {
        up(1),
        down(2),
        unknown(3)
    }
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "The operational state of the interface.
        The unknown(3) state indicates that the agent
        can't get the status of the interface. The
        interface can then be either up or down."
        ::= {mxMgwEntry 5}

-- --
mxGateWayTable OBJECT-TYPE
    SYNTAX  SEQUENCE OF MxGateWayEntry
    ACCESS  not-accessible
    STATUS  current
    DESCRIPTION
        "A table with data for the interfaces.
        The variables are almost the same as the
        interface group in mib-2."
        ::= { mxIfSwitch 2}

mxGateWayEntry OBJECT-TYPE
    SYNTAX  MxGateWayEntry
    ACCESS  not-accessible
    STATUS  current

```



```

DESCRIPTION
"
INDEX          {mxGateWayIndex}
               ::= { mxGateWayTable 1}

MxGateWayEntry ::= SEQUENCE {
                                mxGateWayIndex      INTEGER,
                                mxGateWayType        DisplayString,
                                mxGateWayWhere        DisplayString,
                                mxGateWayDescr        DisplayString,
                                mxGateWayOperStatus  INTEGER
                                }

mxGateWayIndex OBJECT-TYPE
    SYNTAX  INTEGER
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A unique value for each interface. "
        ::= {mxGateWayEntry 1}

mxGateWayWhere OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "Board position."
        ::= {mxGateWayEntry 3}

mxGateWayDescr OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A textual string containing information about the
        interface."
        ::= {mxGateWayEntry 4}

mxGateWayOperStatus OBJECT-TYPE
    SYNTAX  INTEGER {
                        up(1),
                        down(2),
                        unknown(3)
                    }
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "The operational state of the interface.
        The unknown(3) state indicates that the agent
        can't get the status of the interface. The
        interface can then be either up or down."
        ::= {mxGateWayEntry 5}

-- --
mxIfInterlim OBJECT IDENTIFIER ::= {mxInterfaces 10}
-- --
mxGjuTable OBJECT-TYPE

```

```

SYNTAX SEQUENCE OF MxGjuEntry
ACCESS not-accessible
STATUS current
DESCRIPTION
    "A table with data for the interfaces."
    ::= { mxIfInterlim 1}

mxGjuEntry OBJECT-TYPE
    SYNTAX MxGjuEntry
    ACCESS not-accessible
    STATUS current
    DESCRIPTION
        "
        "
    INDEX {mxGjuIndex}
    ::= { mxGjuTable 1}

MxGjuEntry ::= SEQUENCE {
    mxGjuIndex INTEGER,
    mxGjuType DisplayString,
    mxGjuWhere DisplayString,
    mxGjuRemote DisplayString,
    mxGjuDescr0 DisplayString,
    mxGjuDescr1 DisplayString,
    mxGjuStatus0 DisplayString,
    mxGjuStatus1 DisplayString
}

mxGjuIndex OBJECT-TYPE
    SYNTAX INTEGER
    ACCESS read-only
    STATUS current
    DESCRIPTION
        "A unique value for each interface. Format XXXYYYY
        XXXX = LIM, YYYY = switchposition."
    ::= {mxGjuEntry 1}

mxGjuType OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS current
    DESCRIPTION
        "Information of type of remote end
        e.g. GJU-G or GJU-L."
    ::= {mxGjuEntry 2}

mxGjuWhere OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS current
    DESCRIPTION
        "Board position of GJU-L."
    ::= {mxGjuEntry 3}

mxGjuRemote OBJECT-TYPE
    SYNTAX DisplayString
    ACCESS read-only
    STATUS current

```

```

        DESCRIPTION
            "Remote end position."
            ::= {mxGjuEntry 4}

mxGjuDescr0 OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A textual string containing information about the
        interface connection side 0."
        ::= {mxGjuEntry 5}

mxGjuDescr1 OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A textual string containing information about the
        interface connection side 1."
        ::= {mxGjuEntry 6}

mxGjuStatus0 OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A textual string containing information about the
        status of the interface side 0."
        ::= {mxGjuEntry 7}

mxGjuStatus1 OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A textual string containing information about the
        status of the interface side 1."
        ::= {mxGjuEntry 8}

-- --
mxGsmTable OBJECT-TYPE
    SYNTAX  SEQUENCE OF MxGsmEntry
    ACCESS  not-accessible
    STATUS  current
    DESCRIPTION
        "A table with data for the interfaces."
        ::= { mxIfInterlim 2}

mxGsmEntry OBJECT-TYPE
    SYNTAX  MxGsmEntry
    ACCESS  not-accessible
    STATUS  current
    DESCRIPTION
        "
    
```

```

INDEX          {mxGsmIndex}
               ::= { mxGsmTable 1}

MxGsmEntry ::= SEQUENCE {
                                mxGsmIndex      INTEGER,
                                mxGsmWhere       INTEGER,
                                mxGsmSyncCtrl    INTEGER,
                                mxGsmAStatus     INTEGER,
                                mxGsmBStatus     INTEGER
                                }

mxGsmIndex OBJECT-TYPE
    SYNTAX  INTEGER
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A unique value for each GSM starts at 1."
        ::= {mxGsmEntry 1}

mxGsmWhere OBJECT-TYPE
    SYNTAX  INTEGER
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "Gsm number."
        ::= {mxGsmEntry 2}

mxGsmSyncCtrl OBJECT-TYPE
    SYNTAX  INTEGER {
                                noSync (1),
                                masterSync (2),
                                spareSync (3),
                                unknown (4)
                                }
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "Clock status of GSM."
        ::= {mxGsmEntry 3}

-- --
mxIfVoiceCard OBJECT IDENTIFIER ::= {mxInterfaces 11}
-- --
mxVcuTable OBJECT-TYPE
    SYNTAX  SEQUENCE OF MxVcuEntry
    ACCESS  not-accessible
    STATUS  current
    DESCRIPTION
        "A table with data for the interfaces."
        ::= { mxIfVoiceCard 1}

mxVcuEntry OBJECT-TYPE
    SYNTAX  MxVcuEntry
    ACCESS  not-accessible
    STATUS  current
    DESCRIPTION

```

```

"
INDEX          {mxVcuIndex}
               ::= { mxVcuTable 1}

MxVcuEntry ::= SEQUENCE {
                                mxVcuIndex      INTEGER,
                                mxVcuType       INTEGER,
                                mxVcuWhere      DisplayString,
                                mxVcuDescr     DisplayString,
                                mxVcuAddDescr   DisplayString,
                                mxVcuOperStatus INTEGER
                                }

mxVcuIndex OBJECT-TYPE
    SYNTAX  INTEGER
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A unique value for each interface. Its value
        ranges between 0 and the value of mdIfNumber -1.
        The value is assigned as:
            LIM * 0x10000 + switchposition."
    ::= {mxVcuEntry 1}

mxVcuType OBJECT-TYPE
    SYNTAX INTEGER {
                                4B-D16          (1),
                                4B-D64          (2),
                                3BplusD         (3),
                                4B              (4),
                                4B-4B-D16-D16  (5),
                                4B-4B-D64-D64  (6),
                                3BplusD-3BplusD (7),
                                3BplusD-4B-D64  (8),
                                reserved1       (9),
                                reserved2       (10)
                                }
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "Type of configuration used for this board."
    ::= {mxVcuEntry 2}

mxVcuWhere OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "The equipment position of the VCU board"
    ::= {mxVcuEntry 3}

mxVcuDescr OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION

```

interface." "A textual string containing information about the

::= {mxVcuEntry 4}

mxVcuOperStatus OBJECT-TYPE

SYNTAX INTEGER {  
up(1),  
down(2),  
unknown(3)  
}

ACCESS read-only

STATUS current

DESCRIPTION

"The operational state of the interface.  
The unknown(3) state indicates that the agent  
can't get the status of the interface. The  
interface can then be either up or down."

::= {mxVcuEntry 5}

-- --

mxIfCasboards OBJECT IDENTIFIER ::= {mxInterfaces 12}

-- --

mxCasBoardTable OBJECT-TYPE

SYNTAX SEQUENCE OF MxCasBoardEntry

ACCESS not-accessible

STATUS current

DESCRIPTION

"A table with data for the interfaces.  
The variables are almost the same as the  
interface group in mib-2."

::= { mxIfCasboards 1}

mxCasBoardEntry OBJECT-TYPE

SYNTAX MxCasBoardEntry

ACCESS not-accessible

STATUS current

DESCRIPTION

" "

INDEX {mxCasBoardIndex}

::= { mxCasBoardTable 1}

MxCasBoardEntry ::= SEQUENCE {

mxCasBoardIndex INTEGER,  
mxCasBoardData DisplayString,  
mxCasBoardWhere DisplayString,  
mxCasBoardWhere mxCasBoardDirno,  
mxCasBoardOperStatus INTEGER  
}

mxCasBoardIndex OBJECT-TYPE

SYNTAX INTEGER

ACCESS read-only

STATUS current

DESCRIPTION

"A directory number."

::= {mxCasBoardEntry 1}

```

mxCasBoardData OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "Type of configuration, corresponds to the
        EL7 ICAT configuration see command EXTEI."
        ::= {mxCasBoardEntry 2}

mxCasBoardWhere OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "The equipment position of the CAS line"
        ::= {mxCasBoardEntry 3}

mxCasBoardDirno OBJECT-TYPE
    SYNTAX  DisplayString
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "A textual string directory number."
        ::= {mxCasBoardEntry 4}

mxCasBoardOperStatus OBJECT-TYPE
    SYNTAX  INTEGER {
        idle(1),
        busy(2),
        blocked(3),
        unknown(4)
    }
    ACCESS  read-only
    STATUS  current
    DESCRIPTION
        "The operational state of the interface.
        The unknown(3) state indicates that the agent
        can't get the status of the interface. The
        interface can then be either up or down."
        ::= {mxCasBoardEntry 5}

--*****--
-- * The interface traps --
--*****--
-- The object traps are sent when status is affected.
--
-- The trap contains the mxObjectStatus.
-- If the trap was generated from an mxAlarm-trap the alarm
-- data causing change of status is present if possible.
-- If the object trap was caused by alarm the mxObjectStatus
-- is unknown.
--
-- If the mxObject-trap was sent without connection to any
-- mxAlarm-trap, a default value is assigned to mxalHandle == 0. --

```

```
-- If mxalHandle == 0, mxObjectStatus has a known status.
-- Note: Several alarms can be made for the same object,
--      thus a new reading of the object is required to
--      get the new status.
--
```

```
mxObjectBackupStatusChange NOTIFICATION-TYPE
```

```
    OBJECTS {
        mxLimIndex,
        mxObjectStatus,
        mxalHandle,
        mxalFrom,
        mxalFaultCode,
        mxalSeverity,
        mxalWhere,
        mxalExplanation,
        mxalNoticed,
        mxalNoticedNote
    }
    STATUS      current
    DESCRIPTION
        "This trap is sent when MX-ONE status
        for this object is changed."
        ::= {mxIfTrap 1 }
```

```
mxObjectTrunkChange NOTIFICATION-TYPE
```

```
    OBJECTS {
        mxTrunkIndex,
        mxObjectStatus,
        mxalHandle,
        mxalFrom,
        mxalFaultCode,
        mxalSeverity,
        mxalWhere,
        mxalExplanation,
        mxalNoticed,
        mxalNoticedNote
    }
    STATUS      current
    DESCRIPTION
        "This trap is sent when MX-ONE status
        for this object is changed."
        ::= {mxIfTrap 2 }
```

```
mxObjectOpiChange NOTIFICATION-TYPE
```

```
    OBJECTS {
        mxOpiIndex,
        mxObjectStatus,
        mxalHandle,
        mxalFrom,
        mxalFaultCode,
        mxalSeverity,
        mxalWhere,
        mxalExplanation,
        mxalNoticed,
        mxalNoticedNote
    }
```



```

STATUS          current
DESCRIPTION
    "This trap is sent when MX-ONE status
    for this object is changed."
    ::= {mxIfTrap 3 }

mxObjectCilChange NOTIFICATION-TYPE
    OBJECTS {
        mxCilIndex,
        mxObjectStatus,
        mxalHandle,
        mxalFrom,
        mxalFaultCode,
        mxalSeverity,
        mxalWhere,
        mxalExplanation,
        mxalNoticed,
        mxalNoticedNote
    }
    STATUS          current
    DESCRIPTION
        "This trap is sent when MX-ONE status
        for this object is changed."
        ::= {mxIfTrap 4 }

mxObjectCtilChange NOTIFICATION-TYPE
    OBJECTS {
        mxCtilIndex,
        mxObjectStatus,
        mxalHandle,
        mxalFrom,
        mxalFaultCode,
        mxalSeverity,
        mxalWhere,
        mxalExplanation,
        mxalNoticed,
        mxalNoticedNote
    }
    STATUS          current
    DESCRIPTION
        "This trap is sent when MX-ONE status
        for this object is changed."
        ::= {mxIfTrap 5 }

mxObjectCti3Change NOTIFICATION-TYPE
    OBJECTS {
        mxCti3Index,
        mxObjectStatus,
        mxalHandle,
        mxalFrom,
        mxalFaultCode,
        mxalSeverity,
        mxalWhere,
        mxalExplanation,
        mxalNoticed,
        mxalNoticedNote
    }

```

```

STATUS      current
DESCRIPTION
    "This trap is sent when MX-ONE status
    for this object is changed."
    ::= {mxIfTrap 6 }

mxObjectIcuChange NOTIFICATION-TYPE
    OBJECTS {
        mxIcuIndex,
        mxObjectStatus,
        mxalHandle,
        mxalFrom,
        mxalFaultCode,
        mxalSeverity,
        mxalWhere,
        mxalExplanation,
        mxalNoticed,
        mxalNoticedNote
    }
    STATUS      current
    DESCRIPTION
        "This trap is sent when MX-ONE status
        for this object is changed."
        ::= {mxIfTrap 7 }

mxObjectMgwChange NOTIFICATION-TYPE
    OBJECTS {
        mxMgwIndex,
        mxObjectStatus,
        mxalHandle,
        mxalFrom,
        mxalFaultCode,
        mxalSeverity,
        mxalWhere,
        mxalExplanation,
        mxalNoticed,
        mxalNoticedNote
    }
    STATUS      current
    DESCRIPTION
        "This trap is sent when MX-ONE status
        for this object is changed."
        ::= {mxIfTrap 8 }

mxObjectGatewayChange NOTIFICATION-TYPE
    OBJECTS {
        mxGateWayIndex,
        mxObjectStatus,
        mxalHandle,
        mxalFrom,
        mxalFaultCode,
        mxalSeverity,
        mxalWhere,
        mxalExplanation,
        mxalNoticed,
        mxalNoticedNote
    }

```

```

STATUS      current
DESCRIPTION
    "This trap is sent when MX-ONE status
    for this object is changed."
    ::= {mxIfTrap 9 }

mxObjectGjuChange NOTIFICATION-TYPE
    OBJECTS {
        mxGjuIndex,
        mxObjectStatus,
        mxalHandle,
        mxalFrom,
        mxalFaultCode,
        mxalSeverity,
        mxalWhere,
        mxalExplanation,
        mxalNoticed,
        mxalNoticedNote
    }
    STATUS      current
    DESCRIPTION
        "This trap is sent when MX-ONE status
        for this object is changed."
        ::= {mxIfTrap 10 }

mxObjectGsmChange NOTIFICATION-TYPE
    OBJECTS {
        mxGsmIndex,
        mxObjectStatus,
        mxalHandle,
        mxalFrom,
        mxalFaultCode,
        mxalSeverity,
        mxalWhere,
        mxalExplanation,
        mxalNoticed,
        mxalNoticedNote
    }
    STATUS      current
    DESCRIPTION
        "This trap is sent when MX-ONE status
        for this object is changed."
        ::= {mxIfTrap 11 }

mxObjectGsmSideChange NOTIFICATION-TYPE
    OBJECTS {
        mxGsmActiveSide,
        mxObjectStatus,
        mxalHandle,
        mxalFrom,
        mxalFaultCode,
        mxalSeverity,
        mxalWhere,
        mxalExplanation,
        mxalNoticed,
        mxalNoticedNote
    }

```

```

STATUS      current
DESCRIPTION
    "This trap is sent when MX-ONE status
    for this object is changed."
    ::= {mxIfTrap 12 }

mxObjectVcuChange NOTIFICATION-TYPE
    OBJECTS {
        mxVcuIndex,
        mxObjectStatus,
        mxalHandle,
        mxalFrom,
        mxalFaultCode,
        mxalSeverity,
        mxalWhere,
        mxalExplanation,
        mxalNoticed,
        mxalNoticedNote
    }
    STATUS      current
    DESCRIPTION
        "This trap is sent when MX-ONE status
        for this object is changed."
        ::= {mxIfTrap 13 }

mxObjectCasBoardChange NOTIFICATION-TYPE
    OBJECTS {
        mxCasBoardIndex,
        mxObjectStatus,
        mxalHandle,
        mxalFrom,
        mxalFaultCode,
        mxalSeverity,
        mxalWhere,
        mxalExplanation,
        mxalNoticed,
        mxalNoticedNote
    }
    STATUS      current
    DESCRIPTION
        "This trap is sent when MX-ONE status
        for this object is changed."
        ::= {mxIfTrap 14 }

END

```