Project	**IEEE 802.20 Working Group on Mobile Broadband Wireless Access** **<http://grouper.ieee.org/groups/802/20/>**
Title	**Enhanced MIB Chapter of 625k-MC Mode**
Date Submitted	Monday, July 13, 2009
Authors(s)	Radhakrishna Canchi Email : cradhak@kyocera-wireless.com Kazuhiro Murakami Email kazuhiro.murakami.xm@kyocera.jp
Re:	IEEE 802.20 Enhanced MIB Chapter – 625k-MC Mode
Abstract	This contribution updates the draft enhanced MIB chapter for IEEE 802.20 625k-MC Mode.
Purpose	This is a work inprogress, and is for review of the working group prior to the November, 2009 meeting. For consideration and approval of 802.20 WG
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1 625k-MC OA & M Radio Network Quality Monitor and Control Enhancement

This Chapter is an added to the baseline specification HC-SDMA *Error! Reference source not found.~~[25]~~***.**

625k-MC network systems provide radio network quality monitoring and control functionality. The MIB of 625k-MC mode comprises of the managed objects, attributes, actions, and notifications required to manage a BS. The definition of these managed objects, attributes, actions, and notifications, as well as their structure, is presented below.

1.1 625k-MC Mode MIB

1.1.1 Overview

This chapter defines a Management Information Base (MIB) module for managing the 625k-MC mode. Managed objects are accessed via a virtual information store, termed the Management Information Base or MIB. MIB objects are generally accessed through the Simple Network Management Protocol (SNMP).The objects in this MIB are defined using the mechanisms specified in the Structure of Management Information (SMI). The MIB module specified is compliant to SMIv2 which is described in RFC 2578 **Error! Reference source not found.**~~[18]~~, RFC 2579 **Error! Reference source not found.**~~[19]~~, and RFC 2580 **Error! Reference source not found.**~~[20]~~.

1.1.2 Definition

```
IEEE802dot20-625k-MC-MIB  DEFINITIONS ::= BEGIN

IMPORTS
    ifIndex
       FROM IF-MIB
    MODULE-COMLIANCE, OBJECT-GROUP
       FROM SNMPv2-CONF
    Counter32, Counter64, Interger32, Unsigned32, MODULE-IDENTITY,
    OBJECT-IDENTITY, OBJECT-TYPE, transmission
        FROM SNMPv2-SMIRFC 1212
    TruthValue, enterprises, Gauge, Counter, Cauge32
        FROM SNMPv2-TCRFC1155 SMI
    transmission  FROM RFC1213 MIB
   ;

IEEE802dot20-625k-MC-MIB MODULE-IDENTITY
   LAST-UPDATED        "20081100720000Z" - Norvember 08, 2008
   ORGANIZATION        "IEEE 802.20"
   CONTACT-INFO        "Contact: R. Canchi
   Postal:  472 Kato Terrace, FREMONT, CA 94539, USA
   Tel: 510-257-0132
   Fax: 510 257 0131
   E-mail:  cradhak@ktrc-na.com"

    DESCRIPTION
        "The MIB module for IEEE802.20 625k-MC mode private module for IEEE
802.20 entities"
    ::= { transmission enterprises 9999 }

_625k-MCSystem                          OBJECT IDENTIFIER
```

```
    -- DESCRIPTION       "System Elements"
    ::= { IEEE802dot20-625k-MC-MIB 1 }


_625k-MCSysAlarms                        OBJECT IDENTIFIER
    -- DESCRIPTION       "Alarms"
    ::= { _625k-MCSystem 1}


_625k-MCAlarmScalars_                     OBJECT IDENTIFIER
    -- DESCRIPTION       "Alarm Scalars"
    ::= { _625k-MCSysAlarms 1 }


_625k-MCCommonAlarmStatus                OBJECT-TYPE
    SYNTAX            Unsigned32~~INTEGER~~ -- Unsigned32Type
    MAX-ACCESS            read-only
    STATUS            Current~~mandatory~~
    DESCRIPTION
        "Common alarm atatus.



        (From mibCtl ElementType 16 CommonAlarmStatus)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCAlarmScalars 1 }


_625k-MCFailReasonForAlarm               OBJECT-TYPE
    SYNTAX            Unsigned32~~INTEGER~~ -- Unsigned32Type
    MAX-ACCESS            read-only
    STATUS            Current~~mandatory~~
    DESCRIPTION
        "Fail reason for alarm.



        (From mibCtl ElementType 15 FailReasonForAlarm)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCAlarmScalars 2 }




_625k-MCAlarmSummaryTable                OBJECT-TYPE
    SYNTAX SEQUENCE OF _625k-MCAlarmSummaryTableEntry
    ~~ACCESS~~MAX-ACCESS              not-accessible
    STATUS            ~~mandatory~~Current
    DESCRIPTION       "Alarm Summary Table"
    ::= { _625k-MCSysAlarms 2 }


_625k-MCAlarmSummaryTableEntry           OBJECT-TYPE
    SYNTAX           _625k-MCAlarmSummaryTableEntry
```

```
    ~~ACCESS~~MAX-ACCESS            not-accessible
    STATUS              ~~mandatory~~Current
    DESCRIPTION         ""
    INDEX  { _625k-MCAlarmSummaryTableIndex }
    ::= { _625k-MCAlarmSummaryTable 1 }

_625k-MCAlarmSummaryTableEntry ::= SEQUENCE {
    _625k-MCAlarmSummaryTableIndex          INTEGER, -- AlarmEventType
    _625k-MCAlarmSummary                    INTEGER -- AlarmStateType
    }



_625k-MCAlarmSummaryTableIndex          OBJECT-TYPE
    SYNTAX              INTEGER -- AlarmEventType
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS              ~~mandatory~~Current
    DESCRIPTION         "
        Description for mibCtl Type 85 AlarmEventType :
            Enumeration of alarm event types.

            Defines semantics of events that are also alarms.
            All alarm events are enumerated first in the list of event types.
            The highest alarm event index will never be more than 255.
            [Limits: 0 255 ]
        Type derived from mibCtl Type 3 EventType :
            Enumeration of event types.

            Defines semantics of events.
            An event is re. an event log message.
            [Limits: 0 255 ]
        Type derived from mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
    "
    ::= { _625k-MCAlarmSummaryTableEntry 1 }



_625k-MCAlarmSummary                    OBJECT-TYPE
    SYNTAX              INTEGER -- AlarmStateType
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS              ~~mandatory~~Current
    DESCRIPTION
        "Summary of all alarms generated by the base station.

        Each element contains the summary of a type of alarm (e.g. module
        over temperature).  When the management station sees that alarm
        summary is SET, it can, for example, query AlarmModuleOverTemp
        to see which module(s) is over temperature.

        (From mibCtl ElementType 5210 AlarmSummary)
        Description for mibCtl Type 80 AlarmStateType :
            Current state of an alarm.

            This value is CLEARED when
            the conditions which caused the alarm to occur are taken care of
            and no longer exist.
            The value is SET when due to some conditions, the Base Station
            software decides that an alarm is necessary.
            Typically (though this may not be true for all alarms
            or if the alarm changes state too frequently)
            an event is logged when an alarm is SET and then again when it
            is CLEARED.
            [Limits: 0 1 ]
        Description for mibCtl AlarmStateType 0 CLEARED :
```

```
            No alarm.
        Description for mibCtl AlarmStateType 1 SET :
            Alarm is set.
        "
    ::= { _625k-MCAlarmSummaryTableEntry 2 }


_625k-MCSysFiles                        OBJECT IDENTIFIER
    -- DESCRIPTION       "Files"
    ::= { _625k-MCSystem 2}


_625k-MCStatsFiles                      OBJECT IDENTIFIER
    -- DESCRIPTION       "Statistics file"
    ::= { _625k-MCSysFiles 1 }


_625k-MCStatsUploadURL                  OBJECT-TYPE
    SYNTAX            OCTET STRING (SIZE(0..64)) -- URLType
    ACCESSMAX-ACCESS            read-write
    STATUS            mandatoryCurrent
    DESCRIPTION
        "EMS location to upload BS statistics file.


        (From mibCtl ElementType 2831 StatsUploadURL)
        Description for mibCtl Type 401 URLType :
            Universal Resource Locator (URL).

            A Universal Resource Locator (URL) is a text string
            that specifies a network location for a file.
            The general format for a URL consists of 2 parts:

            1. Protocol name: lower case letters, followed by a colon.
            See below for supported protocols.
            This field may be omitted, to default to the file: protocol.

            2. Additional information, depending on the protocol.
            For many protocols, a host name is required,
            which consists of a dotted numerical Internet Protocol (IP)
address,
            or a dotted symbolic name with alphanumerical components,
            where supported.

            Supported protocols are:

            tftp: is the Trivial File Transfer Protocol.
            The additional information should begin with two slashes (//)
            followed by a host name, a slash (/) and a file path.
            The file path is interpreted by the host system,
            frequently relative to a special directory set up for this
purpose.

            file: is the plain old file protocol.
            The additional information consists of a file path, which
            should begin with a slash (/).
            This is only useful if Base Station has been configured
            to be an Network File System (NFS) client of the host.
            The filepath is interpreted on the Base Station, so it
            must begin with the mount name specified in the NFS configuration.
        Type derived from mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
```

```
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCStatsFiles 1 }


_625k-MCStatsUploadStatus               OBJECT-TYPE
    SYNTAX          INTEGER -- FileUploadStatusType
    ~~ACCESS~~MAX-ACCESS          read-only
    STATUS          ~~mandatory~~Current
    DESCRIPTION
        "Stats file upload status.



        (From mibCtl ElementType 2832 StatsUploadStatus)
        Description for mibCtl Type 403 FileUploadStatusType :
            File upload status.


        Description for mibCtl FileUploadStatusType 0 Unknown :
            File upload status is unknown.
        Description for mibCtl FileUploadStatusType 1 Missing :
            File is missing or invalid.
        Description for mibCtl FileUploadStatusType 2 PartialUpload :
            File is in the process of being upload to EMS.
        Description for mibCtl FileUploadStatusType 4 Complete :
            File is completely uploaded to EMS.
        Description for mibCtl FileUploadStatusType 5 Failure :
            Upload process is failure.
        Description for mibCtl FileUploadStatusType 6 NotManaged :
            File upload is not being managed.
        "
    ::= { _625k-MCStatsFiles 2 }


_625k-MCStatsUploadFailReason           OBJECT-TYPE
    SYNTAX          INTEGER -- FileUploadFailReasonType
    ~~ACCESS~~MAX-ACCESS          read-only
    STATUS          ~~mandatory~~Current
    DESCRIPTION
        "Reason for last stats file upload failure.



        (From mibCtl ElementType 2833 StatsUploadFailReason)
        Description for mibCtl Type 406 FileUploadFailReasonType :
            Reason for failure to upload a file..


        Description for mibCtl FileUploadFailReasonType 0 NoFailure :
            File upload in progress or completed without problem.
        Description for mibCtl FileUploadFailReasonType 1 BadPathSpecified :
            File upload failed because network path not found.
        Description for mibCtl FileUploadFailReasonType 2 FlashDiskReadError :
            File upload failed because of flash disk read error.
        Description for mibCtl FileUploadFailReasonType 3 Aborted :
            File upload aborted due to change of specification.
        Description for mibCtl FileUploadFailReasonType 4 WriteError :
            Error in putting a file.
        "
    ::= { _625k-MCStatsFiles 3 }


_625k-MCStatsUploadBytes                OBJECT-TYPE
    SYNTAX          Unsigned32~~INTEGER~~ -- Unsigned32Type
```

```
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS              ~~mandatory~~Current
    DESCRIPTION
        "Upload size of BS stats file in bytes.



        (From mibCtl ElementType 2834 StatsUploadBytes)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCStatsFiles 4 }


_625k-MCStatsUploadDate                 OBJECT-TYPE
    SYNTAX              Gauge32 -- AbsoluteTimeType
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS              ~~mandatory~~Current
    DESCRIPTION
        "BS Stats File upload complete time.



        (From mibCtl ElementType 2835 StatsUploadDate)
        Description for mibCtl Type 801 AbsoluteTimeType :
            Absolute time in GPS seconds.

            GPS (Global Positioning System) time in seconds since Jan. 6,
1980.
            Note that this differs from UTC (in addition to a possible
            offset due to starting time) due to leap seconds; see
            the GpsLeapSecond element.
        Type derived from mibCtl Type 18 Gauge32Type :
            32 bits of Gauge data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCStatsFiles 5 }


_625k-MCUploadStatsFile                 OBJECT-TYPE
    SYNTAX              Unsigned32~~INTEGER~~ -- Unsigned32Type
    ~~ACCESS~~MAX-ACCESS            read-write -- REALLY: write-only
    STATUS              ~~mandatory~~Current
    DESCRIPTION
        "Upload Stats file.



        (From mibCtl ElementType 2836 UploadStatsFile)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCStatsFiles 6 }


_625k-MCSysInterfaces                   OBJECT IDENTIFIER
    -- DESCRIPTION      "System Interfaces"
    ::= { _625k-MCSystem 3 }
```

```
_625k-MCInterfaceNetwork                OBJECT IDENTIFIER
    -- DESCRIPTION       "Network Interfaces"
    ::= { _625k-MCSysInterfaces 1 }



_625k-MCTypeOfNetworkProtocol           OBJECT-TYPE
    SYNTAX            INTEGER -- NetworkProtocolType
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS            ~~mandatory~~Current
    DESCRIPTION
        "Type of Network Protocol used with the Network.

        Type of Network Protocol is Ethernet or ATM.

        (From mibCtl ElementType 3002 TypeOfNetworkProtocol)
        Description for mibCtl Type 214 NetworkProtocolType :
            Network Protocol type.
        Description for mibCtl NetworkProtocolType 0 Unknown :
            Network protocol type is unknown.
        Description for mibCtl NetworkProtocolType 1 Ethernet :
            Ethernet interface.
        Description for mibCtl NetworkProtocolType 2 ATM :
            ATM interface.
        "
    ::= { _625k-MCInterfaceNetwork 1 }



_625k-MCMgmtNetConfigTable              OBJECT-TYPE
    SYNTAX SEQUENCE OF _625k-MCMgmtNetConfigTableEntry
    ~~ACCESS~~MAX-ACCESS            not-accessible
    STATUS            ~~mandatory~~Current
    DESCRIPTION       "Mgmt Network Configuration"
    ::= { _625k-MCInterfaceNetwork 2 }



_625k-MCMgmtNetConfigTableEntry         OBJECT-TYPE
    SYNTAX           _625k-MCMgmtNetConfigTableEntry
    ~~ACCESS~~MAX-ACCESS            not-accessible
    STATUS            ~~mandatory~~Current
    DESCRIPTION       ""
    INDEX  { _625k-MCMgmtNetConfigTableIndex }
    ::= { _625k-MCMgmtNetConfigTable 1 }

_625k-MCMgmtNetConfigTableEntry ::= SEQUENCE {
   _625k-MCMgmtNetConfigTableIndex        INTEGER, -- MoNerdAddressType
   _625k-MCEthernetIPAddress              OCTET STRING (SIZE(0..15)), --
IPAddressTextType
    _625k-MCEthernetIPLocalBits           OCTET STRING (SIZE(0..15)), --
IPAddressTextType
    _625k-MCEthernetHostName              OCTET STRING (SIZE(0..20)) --
TextType X 20
    }



_625k-MCMgmtNetConfigTableIndex         OBJECT-TYPE
    SYNTAX            INTEGER -- MoNerdAddressType
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS            ~~mandatory~~Current
    DESCRIPTION       "
        Description for mibCtl Type 204 MoNerdAddressType :
            Base station network component address.

```

```
            A network address is a subset of Base Station component addresses,
            restricted to network components only.
            Network components interface with a telephony switch or similar.
            [Limits: 0 1 ]
        Type derived from mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
    "
    ::= { _625k-MCMgmtNetConfigTableEntry 1 }


_625k-MCEthernetIPAddress               OBJECT-TYPE
    SYNTAX          OCTET STRING (SIZE(0..15)) -- IPAddressTextType
    ~~ACCESS~~MAX-ACCESS            read-write
    STATUS          ~~mandatory~~Current
    DESCRIPTION
        "Internet Protocol (IP) address for ethernet port of Module.

        This is the actual IP address in use for the ethernet port
        of a given Module.
        If IP is not being used on the ethernet port, or there is
        no ethernet port, then an empty string is provided for this element.

        (From mibCtl ElementType 2811 EthernetIPAddress)
        Description for mibCtl Type 420 IPAddressTextType :
            Internet Protocol Address (Text).

            This text must currently be in the dotted abc.def.ghi.jkl format.
            In the future, hostnames might be allowed.
        Type derived from mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCMgmtNetConfigTableEntry 2 }


_625k-MCEthernetIPLocalBits             OBJECT-TYPE
    SYNTAX          OCTET STRING (SIZE(0..15)) -- IPAddressTextType
    ~~ACCESS~~MAX-ACCESS            read-write
    STATUS          ~~mandatory~~Current
    DESCRIPTION
        "Ethernet IP (Internet Protocol) local routing bit count.

        This indicates how many of the low-order bits of
        the IP address of the ethernet connection are used
        within the local network.
        The remaining (high-order) bits are the same for all
        hosts on the local network.
        This is used as the first part of the routing algorithm.
        IP addresses that do not share the upper bits of the ethernet
        IP address and which are not otherwise resolved will be sent
        through the gateway, if defined.

        For example, 255.255.255.0

        (From mibCtl ElementType 2812 EthernetIPLocalBits)
        Description for mibCtl Type 420 IPAddressTextType :
            Internet Protocol Address (Text).

            This text must currently be in the dotted abc.def.ghi.jkl format.
            In the future, hostnames might be allowed.
        Type derived from mibCtl Type 15 TextType :
```

```
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCMgmtNetConfigTableEntry 3 }


_625k-MCEthernetHostName                OBJECT-TYPE
    SYNTAX          OCTET STRING (SIZE(0..20)) -- TextType X 20
    ACCESSMAX-ACCESS            read-write
    STATUS          mandatoryCurrent
    DESCRIPTION
        "Ethernet IP host name for module.

        (From mibCtl ElementType 2813 EthernetHostName)
        Description for mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCMgmtNetConfigTableEntry 4 }



_625k-MCUserNetConfigTable              OBJECT-TYPE
    SYNTAX SEQUENCE OF _625k-MCUserNetConfigTableEntry
    ACCESSMAX-ACCESS            not-accessible
    STATUS          mandatoryCurrent
    DESCRIPTION     "User Network Configuration"
    ::= { _625k-MCInterfaceNetwork 3 }


_625k-MCUserNetConfigTableEntry         OBJECT-TYPE
    SYNTAX          _625k-MCUserNetConfigTableEntry
    ACCESSMAX-ACCESS            not-accessible
    STATUS          mandatoryCurrent
    DESCRIPTION     ""
    INDEX  { _625k-MCUserNetConfigTableIndex }
    ::= { _625k-MCUserNetConfigTable 1 }

_625k-MCUserNetConfigTableEntry ::= SEQUENCE {
   _625k-MCUserNetConfigTableIndex        INTEGER, -- MoNerdAddressType
   _625k-MCUserEthernetIPAddress          OCTET STRING (SIZE(0..15)), --
IPAddressTextType
   _625k-MCUserEthernetIPLocalBits        OCTET STRING (SIZE(0..15)), --
IPAddressTextType
   _625k-MCUserEthernetHostName           OCTET STRING (SIZE(0..20)) --
TextType X 20
    }


_625k-MCUserNetConfigTableIndex         OBJECT-TYPE
    SYNTAX          INTEGER -- MoNerdAddressType
    ACCESSMAX-ACCESS            read-only
    STATUS          mandatoryCurrent
    DESCRIPTION     "
        Description for mibCtl Type 204 MoNerdAddressType :
            Base station network component address.

            A network address is a subset of Base Station component addresses,
            restricted to network components only.
            Network components interface with a telephony switch or similar.
```

```
            [Limits: 0 1 ]
        Type derived from mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
    "
    ::= { _625k-MCUserNetConfigTableEntry 1 }


_625k-MCUserEthernetIPAddress           OBJECT-TYPE
    SYNTAX          OCTET STRING (SIZE(0..15)) -- IPAddressTextType
    ACCESSMAX-ACCESS            read-write
    STATUS          mandatoryCurrent
    DESCRIPTION
        "Internet Protocol (IP) address for user ethernet port of Module.

        This is the actual IP address in use for the ethernet port
        of a given Module.
        If IP is not being used on the ethernet port, or there is
        no ethernet port, then an empty string is provided for this element.

        (From mibCtl ElementType 2817 UserEthernetIPAddress)
        Description for mibCtl Type 420 IPAddressTextType :
            Internet Protocol Address (Text).

            This text must currently be in the dotted abc.def.ghi.jkl format.
            In the future, hostnames might be allowed.
        Type derived from mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCUserNetConfigTableEntry 2 }


_625k-MCUserEthernetIPLocalBits         OBJECT-TYPE
    SYNTAX          OCTET STRING (SIZE(0..15)) -- IPAddressTextType
    ACCESSMAX-ACCESS            read-write
    STATUS          mandatoryCurrent
    DESCRIPTION
        "Ethernet IP subnet mask for user network.

        Ethernet IP subnet mask for user network

        (From mibCtl ElementType 2818 UserEthernetIPLocalBits)
        Description for mibCtl Type 420 IPAddressTextType :
            Internet Protocol Address (Text).

            This text must currently be in the dotted abc.def.ghi.jkl format.
            In the future, hostnames might be allowed.
        Type derived from mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCUserNetConfigTableEntry 3 }


_625k-MCUserEthernetHostName            OBJECT-TYPE
    SYNTAX          OCTET STRING (SIZE(0..20)) -- TextType X 20
    ACCESSMAX-ACCESS            read-write
    STATUS          mandatoryCurrent
```

```
        DESCRIPTION
            "User ethernet IP host name for module.

            (From mibCtl ElementType 2819 UserEthernetHostName)
            Description for mibCtl Type 15 TextType :
                ASCII or compatible text.
            Type derived from mibCtl Type 12 OctetType :
                8 bits of raw opaque data.
            Derived from basic 8 bit word type.
            "
        ::= { _625k-MCUserNetConfigTableEntry 4 }



    _625k-MCUserNetStatusTable              OBJECT-TYPE
        SYNTAX SEQUENCE OF _625k-MCUserNetStatusTableEntry
        ACCESSMAX-ACCESS            not-accessible
        STATUS              mandatoryCurrent
        DESCRIPTION         "Network Status"
        ::= { _625K-MCInterfaceNetwork 4 }


    _625k-MCUserNetStatusTableEntry         OBJECT-TYPE
        SYNTAX              _625k-MCUserNetStatusTableEntry
        ACCESSMAX-ACCESS            not-accessible
        STATUS              mandatoryCurrent
        DESCRIPTION         ""
        INDEX  { _625k-MCUserNetStatusTableIndex }
        ::= { _625k-MCUserNetStatusTable 1 }

    _625k-MCUserNetStatusTableEntry ::= SEQUENCE {
       _625k-MCUserNetStatusTableIndex        INTEGER, -- MoNerdAddressType
       _625k-MCNetworkInOctets                Counter, -- Counter32Type
       _625k-MCNetworkOutOctets               Counter -- Counter32Type
        }


    _625k-MCUserNetStatusTableIndex         OBJECT-TYPE
        SYNTAX              INTEGER -- MoNerdAddressType
        ACCESSMAX-ACCESS            read-only
        STATUS              mandatoryCurrent
        DESCRIPTION         "
            Description for mibCtl Type 204 MoNerdAddressType :
                Base station network component address.

                A network address is a subset of Base Station component addresses,
                restricted to network components only.
                Network components interface with a telephony switch or similar.
                [Limits: 0 1 ]
            Type derived from mibCtl Type 14 Unsigned32Type :
                32 bit unsigned integer.
            Type derived from mibCtl Type 11 Word32Type :
                32 bits of raw opaque data.
            Derived from basic 32 bit word type.
        "
        ::= { _625k-MCUserNetStatusTableEntry 1 }


    _625k-MCNetworkInOctets                 OBJECT-TYPE
        SYNTAX              Counter32 -- Counter32Type
        ACCESSMAX-ACCESS            read-only
        STATUS              mandatoryCurrent
        DESCRIPTION
            "In octets user data of network.
```

```
1
2
3
4           (From mibCtl ElementType 1000 NetworkInOctets)
5           Description for mibCtl Type 19 Counter32Type :
6               32 bits of Counter data.
7           Derived from basic 32 bit word type.
8           "
9       ::= { _625k-MCUserNetStatusTableEntry 2 }
10
11
12
13  _625k-MCNetworkOutOctets                OBJECT-TYPE
14      SYNTAX              Counter32 -- Counter32Type
15      ~~ACCESS~~MAX-ACCESS            read-only
16      STATUS              ~~mandatory~~Current
17      DESCRIPTION
18          "Out octets user data of network.
19
20
21
22          (From mibCtl ElementType 1001 NetworkOutOctets)
23          Description for mibCtl Type 19 Counter32Type :
24              32 bits of Counter data.
25          Derived from basic 32 bit word type.
26          "
27      ::= { _625k-MCUserNetStatusTableEntry 3 }
28
29
30
31
32  _625k-MCL2TPConfigTable                 OBJECT-TYPE
33      SYNTAX SEQUENCE OF _625k-MCL2TPConfigTableEntry
34      ~~ACCESS~~MAX-ACCESS            not-accessible
35      STATUS              ~~mandatory~~Current
36      DESCRIPTION         "L2TP Configuration Table"
37      ::= { _625k-MCInterfaceNetwork 5 }
38
39
40
41  _625k-MCL2TPConfigTableEntry            OBJECT-TYPE
42      SYNTAX            _625k-MCL2TPConfigTableEntry
43      ~~ACCESS~~MAX-ACCESS            not-accessible
44      STATUS              ~~mandatory~~Current
45      DESCRIPTION         ""
46      INDEX  { _625k-MCL2TPConfigTableIndex }
47      ::= { _625k-MCL2TPConfigTable 1 }
48
49  _625k-MCL2TPConfigTableEntry ::= SEQUENCE {
50     _625k-MCL2TPConfigTableIndex           INTEGER, -- MoNerdAddressType
51     _625k-MCL2TPPeerName                   OCTET STRING (SIZE(0..20)), --
52  TextType X 20
53      _625k-MCL2TPPeerIPAddress             OCTET STRING (SIZE(0..15)), --
54  IPAddressTextType
55      _625k-MCL2TPAVPHostName               OCTET STRING (SIZE(0..20)), --
56  TextType X 20
57      _625k-MCL2TPAVPChallAndRes            OCTET STRING (SIZE(0..20)) --
58  TextType X 20
59      }
60
61
62
63  _625k-MCL2TPConfigTableIndex            OBJECT-TYPE
64      SYNTAX              INTEGER -- MoNerdAddressType
65      ~~ACCESS~~MAX-ACCESS            read-only
66      STATUS              ~~mandatory~~Current
67      DESCRIPTION         "
68          Description for mibCtl Type 204 MoNerdAddressType :
```

```
            Base station network component address.

            A network address is a subset of Base Station component addresses,
            restricted to network components only.
            Network components interface with a telephony switch or similar.
            [Limits: 0 1 ]
        Type derived from mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
    "
    ::= { _625k-MCL2TPConfigTableEntry 1 }


_625k-MCL2TPPeerName                    OBJECT-TYPE
    SYNTAX          OCTET STRING (SIZE(0..20)) -- TextType X 20
    ~~ACCESS~~MAX-ACCESS            read-write
    STATUS          ~~mandatory~~Current
    DESCRIPTION
        "L2TP peer name.

        Tunnel switch host name

        (From mibCtl ElementType 2000 L2TPPeerName)
        Description for mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCL2TPConfigTableEntry 2 }


_625k-MCL2TPPeerIPAddress               OBJECT-TYPE
    SYNTAX          OCTET STRING (SIZE(0..15)) -- IPAddressTextType
    ~~ACCESS~~MAX-ACCESS            read-write
    STATUS          ~~mandatory~~Current
    DESCRIPTION
        "L2TP peer IP Address.

        Tunnel switch IP Address

        (From mibCtl ElementType 2001 L2TPPeerIPAddress)
        Description for mibCtl Type 420 IPAddressTextType :
            Internet Protocol Address (Text).

            This text must currently be in the dotted abc.def.ghi.jkl format.
            In the future, hostnames might be allowed.
        Type derived from mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCL2TPConfigTableEntry 3 }


_625k-MCL2TPAVPHostName                 OBJECT-TYPE
    SYNTAX          OCTET STRING (SIZE(0..20)) -- TextType X 20
    ~~ACCESS~~MAX-ACCESS            read-write
    STATUS          ~~mandatory~~Current
    DESCRIPTION
        "BS host name using L2TP.

```

```
1
2
3           (From mibCtl ElementType 2008 L2TPAVPHostName)
4           Description for mibCtl Type 15 TextType :
5               ASCII or compatible text.
6           Type derived from mibCtl Type 12 OctetType :
7               8 bits of raw opaque data.
8           Derived from basic 8 bit word type.
9           "
10      ::= { _625k-MCL2TPConfigTableEntry 4 }
11
12
13
14  _625k-MCL2TPAVPChallAndRes              OBJECT-TYPE
15      SYNTAX            OCTET STRING (SIZE(0..20)) -- TextType X 20
16      ~~ACCESS~~MAX-ACCESS            read-write
17      STATUS            ~~mandatory~~Current
18      DESCRIPTION
19          "AVP challenge and response name.
20
21
22
23          (From mibCtl ElementType 2012 L2TPAVPChallAndRes)
24          Description for mibCtl Type 15 TextType :
25              ASCII or compatible text.
26          Type derived from mibCtl Type 12 OctetType :
27              8 bits of raw opaque data.
28          Derived from basic 8 bit word type.
29          "
30      ::= { _625k-MCL2TPConfigTableEntry 5 }
31
32
33
34
35  _625k-MCL2TPStatusTable                 OBJECT-TYPE
36      SYNTAX SEQUENCE OF _625k-MCL2TPStatusTableEntry
37      ~~ACCESS~~MAX-ACCESS            not-accessible
38      STATUS            ~~mandatory~~Current
39      DESCRIPTION       "L2TP Status Table"
40      ::= { _625k-MCInterfaceNetwork 6 }
41
42
43
44  _625k-MCL2TPStatusTableEntry            OBJECT-TYPE
45      SYNTAX          _625k-MCL2TPStatusTableEntry
46      ~~ACCESS~~MAX-ACCESS            not-accessible
47      STATUS            ~~mandatory~~Current
48      DESCRIPTION       ""
49      INDEX  { _625k-MCL2TPStatusTableIndex }
50      ::= { _625k-MCL2TPStatusTable 1 }
51
52  _625k-MCL2TPStatusTableEntry ::= SEQUENCE {
53      _625k-MCL2TPStatusTableIndex            INTEGER, -- MoNerdAddressType
54      _625k-MCL2TPActiveSession               Unsigned32~~INTEGER~~, -- Unsigned32Type
55      _625k-MCL2TPActiveTunnel                Unsigned32~~INTEGER~~ -- Unsigned32Type
56      }
57
58
59
60  _625k-MCL2TPStatusTableIndex            OBJECT-TYPE
61      SYNTAX            INTEGER -- MoNerdAddressType
62      ~~ACCESS~~MAX-ACCESS            read-only
63      STATUS            ~~mandatory~~Current
64      DESCRIPTION       "
65          Description for mibCtl Type 204 MoNerdAddressType :
66              Base station network component address.
67
68              A network address is a subset of Base Station component addresses,
```

```
            restricted to network components only.
            Network components interface with a telephony switch or similar.
            [Limits: 0 1 ]
        Type derived from mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
    "
    ::= { _625k-MCL2TPStatusTableEntry 1 }


_625k-MCL2TPActiveSession                OBJECT-TYPE
    SYNTAX          Unsigned32~~INTEGER~~ -- Unsigned32Type
    ~~ACCESS~~MAX-ACCESS          read-only
    STATUS          ~~mandatory~~Current
    DESCRIPTION
        "L2TP active session.


        (From mibCtl ElementType 2013 L2TPActiveSession)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCL2TPStatusTableEntry 2 }


_625k-MCL2TPActiveTunnel                 OBJECT-TYPE
    SYNTAX          ~~INTEGER~~Unsigned32 -- Unsigned32Type
    ~~ACCESS~~MAX-ACCESS          read-only
    STATUS          ~~mandatory~~Current
    DESCRIPTION
        "L2TP active tunnel.


        (From mibCtl ElementType 2014 L2TPActiveTunnel)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCL2TPStatusTableEntry 3 }


_625k-MCATMConfigTable                   OBJECT-TYPE
    SYNTAX SEQUENCE OF _625k-MCATMConfigTableEntry
    ~~ACCESS~~MAX-ACCESS          not-accessible
    STATUS          ~~mandatory~~Current
    DESCRIPTION     "ATM Configuration Table"
    ::= { _625k-MCInterfaceNetwork 7 }


_625k-MCATMConfigTableEntry              OBJECT-TYPE
    SYNTAX          _625k-MCATMConfigTableEntry
    ~~ACCESS~~MAX-ACCESS          not-accessible
    STATUS          ~~mandatory~~Current
    DESCRIPTION     ""
```

```
    INDEX  { _625k-MCATMConfigTableIndex }
    ::= { _625k-MCATMConfigTable 1 }

_625k-MCATMConfigTableEntry ::= SEQUENCE {
   _625k-MCATMConfigTableIndex            INTEGER, -- MoNerdAddressType
   _625k-MCAtmAddress                     OCTET STRING (SIZE(0..40)), --
TextType X 40
   _625k-MCAtmVCTypes                     INTEGER, -- AtmVCType
   _625k-MCAtmFrameTypes                  INTEGER, -- AtmFrameType
   _625k-MCAtmUNIVersion                  INTEGER, -- AtmUNIVersionType
   _625k-MCAtmLineStatus                  INTEGER, -- LineStatusType
   _625k-MCAtmParameterFailReason         ~~INTEGER~~Unsigned32, -- Unsigned32Type
   _625k-MCAtmOpenChannelFailReason       ~~INTEGER~~Unsigned32, -- Unsigned32Type
   _625k-MCAtmChannelNumber               ~~INTEGER~~Unsigned32, -- Unsigned32Type
   _625k-MCAtmAlarmCauseRegister          ~~INTEGER~~Unsigned32, -- Unsigned32Type
   _625k-MCAtmPHYIntrCauseRegister        ~~INTEGER~~Unsigned32 -- Unsigned32Type
    }


_625k-MCATMConfigTableIndex            OBJECT-TYPE
    SYNTAX            INTEGER -- MoNerdAddressType
    ~~ACCESS~~MAX-ACCESS           read-only
    STATUS            ~~mandatory~~Current
    DESCRIPTION       "
        Description for mibCtl Type 204 MoNerdAddressType :
            Base station network component address.

            A network address is a subset of Base Station component addresses,
            restricted to network components only.
            Network components interface with a telephony switch or similar.
            [Limits: 0 1 ]
        Type derived from mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
    "
    ::= { _625k-MCATMConfigTableEntry 1 }


_625k-MCAtmAddress                     OBJECT-TYPE
    SYNTAX            OCTET STRING (SIZE(0..40)) -- TextType X 40
    ~~ACCESS~~MAX-ACCESS           read-write
    STATUS            ~~mandatory~~Current
    DESCRIPTION
        "Atm Address.



        (From mibCtl ElementType 1950 AtmAddress)
        Description for mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCATMConfigTableEntry 2 }


_625k-MCAtmVCTypes                     OBJECT-TYPE
    SYNTAX            INTEGER -- AtmVCType
    ~~ACCESS~~MAX-ACCESS           read-write
    STATUS            ~~mandatory~~Current
    DESCRIPTION
        "Atm VC Type.
```

```
        (From mibCtl ElementType 1951 AtmVCTypes)
        Description for mibCtl Type 300 AtmVCType :
            ATM VC Type.
        Description for mibCtl AtmVCType 0 Unknown :
            ATM VC Type is Unknown.
        Description for mibCtl AtmVCType 1 PVC :
            ATM VC Type is PVC.
        Description for mibCtl AtmVCType 2 SVC :
            ATM VC Type is SVC.
        Description for mibCtl AtmVCType 3 PVCSVC :
            ATM VC Type is PVC & SVC.
        "
    ::= { _625k-MCATMConfigTableEntry 3 }


_625k-MCAtmFrameTypes                    OBJECT-TYPE
    SYNTAX            INTEGER -- AtmFrameType
    ACCESSMAX-ACCESS            read-write
    STATUS            mandatoryCurrent
    DESCRIPTION
        "Atm Frame Type.


        (From mibCtl ElementType 1952 AtmFrameTypes)
        Description for mibCtl Type 301 AtmFrameType :
            ATM Frame Type.
        Description for mibCtl AtmFrameType 0 Unknown :
            ATM Frame Type is Unknown.
        Description for mibCtl AtmFrameType 1 OC48 :
            ATM Frame Type is OC48.
        Description for mibCtl AtmFrameType 2 OC36 :
            ATM Frame Type is OC36.
        Description for mibCtl AtmFrameType 3 OC24 :
            ATM Frame Type is OC24.
        Description for mibCtl AtmFrameType 4 OC18 :
            ATM Frame Type is OC18.
        Description for mibCtl AtmFrameType 5 OC12 :
            ATM Frame Type is OC12.
        Description for mibCtl AtmFrameType 6 OC9 :
            ATM Frame Type is OC9.
        Description for mibCtl AtmFrameType 7 OC3 :
            ATM Frame Type is OC3.
        Description for mibCtl AtmFrameType 8 OC1 :
            ATM Frame Type is OC1.
        Description for mibCtl AtmFrameType 9 STM16 :
            ATM Frame Type is STM16.
        Description for mibCtl AtmFrameType 10 STM4 :
            ATM Frame Type is STM4.
        Description for mibCtl AtmFrameType 11 STM1 :
            ATM Frame Type is STM1.
        Description for mibCtl AtmFrameType 12 DS3 :
            ATM Frame Type is DS3.
        Description for mibCtl AtmFrameType 13 DS2 :
            ATM Frame Type is DS2.
        Description for mibCtl AtmFrameType 14 DS1 :
            ATM Frame Type is DS1.
        Description for mibCtl AtmFrameType 15 DS0 :
            ATM Frame Type is DS0.
        Description for mibCtl AtmFrameType 16 E3 :
            ATM Frame Type is E3.
        Description for mibCtl AtmFrameType 17 E2 :
            ATM Frame Type is E2.
        Description for mibCtl AtmFrameType 18 E1 :
```

```
            ATM Frame Type is E1.
        Description for mibCtl AtmFrameType 19 E0 :
            ATM Frame Type is E0.
        "
    ::= { _625k-MCATMConfigTableEntry 4 }


_625k-MCAtmUNIVersion                   OBJECT-TYPE
    SYNTAX          INTEGER -- AtmUNIVersionType
    ~~ACCESS~~MAX-ACCESS            read-write
    STATUS          ~~mandatory~~Current
    DESCRIPTION
        "Atm UNI version.



        (From mibCtl ElementType 1953 AtmUNIVersion)
        Description for mibCtl Type 302 AtmUNIVersionType :
            ATM UNI Version Type.
        Description for mibCtl AtmUNIVersionType 0 Unknown :
            ATM UNI Version Type is Unknown.
        Description for mibCtl AtmUNIVersionType 1 V30 :
            ATM UNI Version Type is 3.0.
        Description for mibCtl AtmUNIVersionType 2 V31 :
            ATM UNI Version Type is 3.1.
        Description for mibCtl AtmUNIVersionType 3 V40 :
            ATM UNI Version Type is 4.0.
        "
    ::= { _625k-MCATMConfigTableEntry 5 }


_625k-MCAtmLineStatus                   OBJECT-TYPE
    SYNTAX          INTEGER -- LineStatusType
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS          ~~mandatory~~Current
    DESCRIPTION
        "Atm line status.

        ATM line status

        (From mibCtl ElementType 1956 AtmLineStatus)
        Description for mibCtl Type 72 LineStatusType :
            Line status type.
        Description for mibCtl LineStatusType 0 LinkUp :
            Line status is link up.
        Description for mibCtl LineStatusType 1 LinkDown :
            Line status is link down.
        "
    ::= { _625k-MCATMConfigTableEntry 6 }


_625k-MCAtmParameterFailReason          OBJECT-TYPE
    SYNTAX          ~~INTEGER~~Unsigned32 -- Unsigned32Type
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS          ~~mandatory~~Current
    DESCRIPTION
        "Atm parameter fail reason.

        ATM parameter fail reason

        (From mibCtl ElementType 1957 AtmParameterFailReason)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
```

```
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCATMConfigTableEntry 7 }


_625k-MCAtmOpenChannelFailReason        OBJECT-TYPE
    SYNTAX          INTEGERUnsigned32 -- Unsigned32Type
    ACCESSMAX-ACCESS            read-only
    STATUS          mandatoryCurrent
    DESCRIPTION
        "Atm open channel fail reason.

        ATM open channel fail reason

        (From mibCtl ElementType 1958 AtmOpenChannelFailReason)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCATMConfigTableEntry 8 }


_625k-MCAtmChannelNumber                OBJECT-TYPE
    SYNTAX          INTEGERUnsigned32 -- Unsigned32Type
    ACCESSMAX-ACCESS            read-only
    STATUS          mandatoryCurrent
    DESCRIPTION
        "Atm open channel fail reason.

        ATM open channel fail reason

        (From mibCtl ElementType 1959 AtmChannelNumber)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCATMConfigTableEntry 9 }


_625k-MCAtmAlarmCauseRegister           OBJECT-TYPE
    SYNTAX          INTEGERUnsigned32 -- Unsigned32Type
    ACCESSMAX-ACCESS            read-only
    STATUS          mandatoryCurrent
    DESCRIPTION
        "Atm alarm cause register.

        ATM alarm cause register

        (From mibCtl ElementType 1960 AtmAlarmCauseRegister)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCATMConfigTableEntry 10 }


_625k-MCAtmPHYIntrCauseRegister         OBJECT-TYPE
    SYNTAX          INTEGERUnsigned32 -- Unsigned32Type
```

```
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS              ~~mandatory~~Current
    DESCRIPTION
        "Atm PHY Interrupt cause register.

        ATM PHY interrupt cause register

        (From mibCtl ElementType 1961 AtmPHYIntrCauseRegister)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCATMConfigTableEntry 11 }



_625k-MCA10ConfigTable                  OBJECT-TYPE
    SYNTAX SEQUENCE OF _625k-MCA10ConfigTableEntry
    ~~ACCESS~~MAX-ACCESS            not-accessible
    STATUS              ~~mandatory~~Current
    DESCRIPTION       "A10 Configuration Table"
    ::= { _625k-MCInterfaceNetwork 9 }



_625k-MCA10ConfigTableEntry             OBJECT-TYPE
    SYNTAX            _625k-MCA10ConfigTableEntry
    ~~ACCESS~~MAX-ACCESS            not-accessible
    STATUS              ~~mandatory~~Current
    DESCRIPTION       ""
    INDEX  { _625k-MCA10ConfigTableIndex }
    ::= { _625k-MCA10ConfigTable 1 }

_625k-MCA10ConfigTableEntry ::= SEQUENCE {
    _625k-MCA10ConfigTableIndex             INTEGER, -- MoNerdAddressType
    _625k-MC3GPP2PriPDSNIPAddress           OCTET STRING (SIZE(0..15)), --
IPAddressTextType
    _625k-MC3GPP2PriPDSNSharedSecret        OCTET STRING (SIZE(0..64)), --
TextType X 64
    _625k-MC3GPP2PriPDSNSPI                 ~~INTEGER~~Unsigned32, -- Unsigned32Type
    _625k-MC3GPP2SecPDSNIPAddress           OCTET STRING (SIZE(0..15)), --
IPAddressTextType
    _625k-MC3GPP2SecPDSNSharedSecret        OCTET STRING (SIZE(0..64)), --
TextType X 64
    _625k-MC3GPP2SecPDSNSPI                 ~~INTEGER~~Unsigned32 -- Unsigned32Type
    }



_625k-MCA10ConfigTableIndex             OBJECT-TYPE
    SYNTAX            INTEGER -- MoNerdAddressType
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS              ~~mandatory~~Current
    DESCRIPTION       "
        Description for mibCtl Type 204 MoNerdAddressType :
            Base station network component address.

            A network address is a subset of Base Station component addresses,
            restricted to network components only.
            Network components interface with a telephony switch or similar.
            [Limits: 0 1 ]
        Type derived from mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
```

```
            Derived from basic 32 bit word type.
        "
        ::= { _625k-MCA10ConfigTableEntry 1 }


    _625k-MC3GPP2PriPDSNIPAddress           OBJECT-TYPE
        SYNTAX              OCTET STRING (SIZE(0..15)) -- IPAddressTextType
        ~~ACCESS~~MAX-ACCESS              read-write
        STATUS              ~~mandatory~~Current
        DESCRIPTION
            "3GPP2 primary PDSN IP address.

            3GPP2 Primary PDSN IP Address

            (From mibCtl ElementType 2100 3GPP2PriPDSNIPAddress)
            Description for mibCtl Type 420 IPAddressTextType :
                Internet Protocol Address (Text).

                This text must currently be in the dotted abc.def.ghi.jkl format.
                In the future, hostnames might be allowed.
            Type derived from mibCtl Type 15 TextType :
                ASCII or compatible text.
            Type derived from mibCtl Type 12 OctetType :
                8 bits of raw opaque data.
            Derived from basic 8 bit word type.
            "
        ::= { _625k-MCA10ConfigTableEntry 2 }


    _625k-MC3GPP2PriPDSNSharedSecret        OBJECT-TYPE
        SYNTAX              OCTET STRING (SIZE(0..64)) -- TextType X 64
        ~~ACCESS~~MAX-ACCESS              read-write
        STATUS              ~~mandatory~~Current
        DESCRIPTION
            "3GPP2 primary PDSN shared secret.

            3GPP2 primary PDSN shared secret

            (From mibCtl ElementType 2101 3GPP2PriPDSNSharedSecret)
            Description for mibCtl Type 15 TextType :
                ASCII or compatible text.
            Type derived from mibCtl Type 12 OctetType :
                8 bits of raw opaque data.
            Derived from basic 8 bit word type.
            "
        ::= { _625k-MCA10ConfigTableEntry 3 }


    _625k-MC3GPP2PriPDSNSPI                 OBJECT-TYPE
        SYNTAX              ~~INTEGER~~Unsigned32 -- Unsigned32Type
        ~~ACCESS~~MAX-ACCESS              read-write
        STATUS              ~~mandatory~~Current
        DESCRIPTION
            "3GPP2 primary PDSN SPI.

            3GPP2 primary PDSN SPI

            (From mibCtl ElementType 2102 3GPP2PriPDSNSPI)
            Description for mibCtl Type 14 Unsigned32Type :
                32 bit unsigned integer.
            Type derived from mibCtl Type 11 Word32Type :
                32 bits of raw opaque data.
            Derived from basic 32 bit word type.
            "
        ::= { _625k-MCA10ConfigTableEntry 4 }
```

```
_625k-MC3GPP2SecPDSNIPAddress           OBJECT-TYPE
    SYNTAX            OCTET STRING (SIZE(0..15)) -- IPAddressTextType
    ~~ACCESS~~MAX-ACCESS            read-write
    STATUS            ~~mandatory~~Current
    DESCRIPTION
        "3GPP2 secondary PDSN IP address.

        3GPP2 secondary PDSN IP address

        (From mibCtl ElementType 2103 3GPP2SecPDSNIPAddress)
        Description for mibCtl Type 420 IPAddressTextType :
            Internet Protocol Address (Text).

            This text must currently be in the dotted abc.def.ghi.jkl format.
            In the future, hostnames might be allowed.
        Type derived from mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCA10ConfigTableEntry 5 }


_625k-MC3GPP2SecPDSNSharedSecret        OBJECT-TYPE
    SYNTAX            OCTET STRING (SIZE(0..64)) -- TextType X 64
    ~~ACCESS~~MAX-ACCESS            read-write
    STATUS            ~~mandatory~~Current
    DESCRIPTION
        "3GPP2 secondary PDSN shared secret.

        3GPP2 secondary PDSN shared secret

        (From mibCtl ElementType 2104 3GPP2SecPDSNSharedSecret)
        Description for mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCA10ConfigTableEntry 6 }


_625k-MC3GPP2SecPDSNSPI                 OBJECT-TYPE
    SYNTAX            ~~INTEGER~~Unsigned32 -- Unsigned32Type
    ~~ACCESS~~MAX-ACCESS            read-write
    STATUS            ~~mandatory~~Current
    DESCRIPTION
        "3GPP2 secondary PDSN SPI.

        3GPP2 secondary PDSN SPI

        (From mibCtl ElementType 2105 3GPP2SecPDSNSPI)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCA10ConfigTableEntry 7 }
```

```
_625k-MCA10StatusTable                  OBJECT-TYPE
    SYNTAX SEQUENCE OF _625k-MCA10StatusTableEntry
    ACCESSMAX-ACCESS            not-accessible
    STATUS              mandatoryCurrent
    DESCRIPTION         "A10 Status Table"
    ::= { _625k-MCInterfaceNetwork 10 }


_625k-MCA10StatusTableEntry             OBJECT-TYPE
    SYNTAX            _625k-MCA10StatusTableEntry
    ACCESSMAX-ACCESS            not-accessible
    STATUS              mandatoryCurrent
    DESCRIPTION         ""
    INDEX  { _625k-MCA10StatusTableIndex }
    ::= { _625k-MCA10StatusTable 1 }

_625k-MCA10StatusTableEntry ::= SEQUENCE {
   _625k-MCA10StatusTableIndex            INTEGER, -- MoNerdAddressType
   _625k-MC3GPP2PDSNIPAddress             OCTET STRING (SIZE(0..15)) --
IPAddressTextType
    }


_625k-MCA10StatusTableIndex             OBJECT-TYPE
    SYNTAX              INTEGER -- MoNerdAddressType
    ACCESSMAX-ACCESS            read-only
    STATUS              mandatoryCurrent
    DESCRIPTION         "
        Description for mibCtl Type 204 MoNerdAddressType :
            Base station network component address.

            A network address is a subset of Base Station component addresses,
            restricted to network components only.
            Network components interface with a telephony switch or similar.
            [Limits: 0 1 ]
        Type derived from mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
    "
    ::= { _625k-MCA10StatusTableEntry 1 }


_625k-MC3GPP2PDSNIPAddress              OBJECT-TYPE
    SYNTAX              OCTET STRING (SIZE(0..15)) -- IPAddressTextType
    ACCESSMAX-ACCESS            read-only
    STATUS              mandatoryCurrent
    DESCRIPTION
        "3GPP2 PDSN IP Address.

        Current main using PDSN IP address

        (From mibCtl ElementType 2113 3GPP2PDSNIPAddress)
        Description for mibCtl Type 420 IPAddressTextType :
            Internet Protocol Address (Text).

            This text must currently be in the dotted abc.def.ghi.jkl format.
            In the future, hostnames might be allowed.
        Type derived from mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
```

```
        "
    ::= { _625k-MCA10StatusTableEntry 2 }


_625k-MCInterfaceRF                     OBJECT IDENTIFIER
    -- DESCRIPTION       "Radio Frequency Interfaces"
    ::= { _625k-MCSysInterfaces 2 }


_625k-MCCarrierTable                    OBJECT-TYPE
    SYNTAX SEQUENCE OF _625k-MCCarrierTableEntry
    ACCESSMAX-ACCESS            not-accessible
    STATUS              mandatoryCurrent
    DESCRIPTION       "Carrier Frequency Table"
    ::= { _625k-MCInterfaceRF 1 }


_625k-MCCarrierTableEntry               OBJECT-TYPE
    SYNTAX            _625k-MCCarrierTableEntry
    ACCESSMAX-ACCESS            not-accessible
    STATUS              mandatoryCurrent
    DESCRIPTION       ""
    INDEX  { _625k-MCCarrierTableIndex }
    ::= { _625k-MCCarrierTable 1 }

_625k-MCCarrierTableEntry ::= SEQUENCE {
   _625k-MCCarrierTableIndex              INTEGER, -- BaseStationCarrierType
   _625k-MCCarrierUsage                   INTEGER -- CarrierUsageType
    }


_625k-MCCarrierTableIndex               OBJECT-TYPE
    SYNTAX            INTEGER -- BaseStationCarrierType
    ACCESSMAX-ACCESS            read-only
    STATUS              mandatoryCurrent
    DESCRIPTION       "
        Description for mibCtl Type 219 BaseStationCarrierType :
            Base station carrier number.

            Base station carriers are a contiguous set of carriers
            that are used by the Base Station;
            they are numbered from 0 to a current maximum of 32-1.
            [Limits: 0 15 ]
        Type derived from mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
    "
    ::= { _625k-MCCarrierTableEntry 1 }


_625k-MCCarrierUsage                    OBJECT-TYPE
    SYNTAX            INTEGER -- CarrierUsageType
    ACCESSMAX-ACCESS            read-only
    STATUS              mandatoryCurrent
    DESCRIPTION
        "Current assigned usage per base station carrier.


        (From mibCtl ElementType 54 CarrierUsage)
        Description for mibCtl Type 220 CarrierUsageType :
```

```
            The assigned use of a radio carrier.

            A radio carrier is a frequency band.
            The assigned use of a carrier can be Reserved, Control
            or Traffic.
            Base station transmits control information on one of the time
slots
            of given Control carrier.
            Base station does not transmit anything on Reserved carriers.
        Description for mibCtl CarrierUsageType 0 NotUse :
            Not Use for this carrier.
        Description for mibCtl CarrierUsageType 1 TCH :
            All timeslots in this carrier are for traffic only.
        Description for mibCtl CarrierUsageType 2 TCHBCH :
            One timeslot in this carrier is for BCH, others for TCH.
        "
    ::= { _625k-MCCarrierTableEntry 2 }


_625k-MCBSCC                            OBJECT-TYPE
    SYNTAX          ~~INTEGER~~Unsigned32 -- Unsigned32Type
    ~~ACCESS~~MAX-ACCESS          read-write
    STATUS          ~~mandatory~~Current
    DESCRIPTION
        "Base Station Color Code.

        (From mibCtl ElementType 61 BSCC)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCInterfaceRF 2 }


_625k-MCBSLowestCarrier                 OBJECT-TYPE
    SYNTAX          OCTET STRING (SIZE(0..20)) -- TextType X 20
    ~~ACCESS~~MAX-ACCESS          read-write
    STATUS          ~~mandatory~~Current
    DESCRIPTION
        "The lowest carrier of the base station operating band.

        This is an extended carrier number
        that identifies the lowest carrier of the bandwidth
        to which the base station is tuned.
        This value cannot be changed while the Base Station state
        is Operating.

        (From mibCtl ElementType 52 BSLowestCarrier)
        Description for mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCInterfaceRF 3 }


_625k-MCBCHModuleAddress                OBJECT-TYPE
    SYNTAX          INTEGER -- ModuleAddressType
    ~~ACCESS~~MAX-ACCESS          read-only
    STATUS          ~~mandatory~~Current
    DESCRIPTION
        "Which module is handling the broadcast channel.
```

```
1
2           (From mibCtl ElementType 57 BCHModuleAddress)
3           Description for mibCtl Type 202 ModuleAddressType :
4               Base station bus slot address.
5
6               Most components of the Base Station for which data can
7               be obtained are identified by a ModuleAddressType address
8               and possibly a subsidiary address.
9               [Limits: 0 7 ]
10          Type derived from mibCtl Type 14 Unsigned32Type :
11              32 bit unsigned integer.
12          Type derived from mibCtl Type 11 Word32Type :
13              32 bits of raw opaque data.
14          Derived from basic 32 bit word type.
15          "
16      ::= { _625k-MCInterfaceRF 4 }
17
18
19
20  _625k-MCBCHCarrierNumber                OBJECT-TYPE
21      SYNTAX            OCTET STRING (SIZE(0..20)) -- TextType X 20
22      ACCESSMAX-ACCESS            read-write
23      STATUS            mandatoryCurrent
24      DESCRIPTION
25          "Number Of BCH Carrier.
26
27          (From mibCtl ElementType 58 BCHCarrierNumber)
28          Description for mibCtl Type 15 TextType :
29              ASCII or compatible text.
30          Type derived from mibCtl Type 12 OctetType :
31              8 bits of raw opaque data.
32          Derived from basic 8 bit word type.
33          "
34      ::= { _625k-MCInterfaceRF 5 }
35
36
37
38  _625k-MCRACHCarrierMask                 OBJECT-TYPE
39      SYNTAX            INTEGERUnsigned32 -- Unsigned32Type
40      ACCESSMAX-ACCESS            read-write
41      STATUS            mandatoryCurrent
42      DESCRIPTION
43          "RACH carrier mask.
44
45
46
47          (From mibCtl ElementType 73 RACHCarrierMask)
48          Description for mibCtl Type 14 Unsigned32Type :
49              32 bit unsigned integer.
50          Type derived from mibCtl Type 11 Word32Type :
51              32 bits of raw opaque data.
52          Derived from basic 32 bit word type.
53          "
54      ::= { _625k-MCInterfaceRF 6 }
55
56
57
58  _625k-MCRACHSlotMask                    OBJECT-TYPE
59      SYNTAX            INTEGERUnsigned32 -- Unsigned32Type
60      ACCESSMAX-ACCESS            read-write
61      STATUS            mandatoryCurrent
62      DESCRIPTION
63          "RACH slot mask.
64
65
66
67          (From mibCtl ElementType 72 RACHSlotMask)
68          Description for mibCtl Type 14 Unsigned32Type :
```

```
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCInterfaceRF 7 }


_625k-MCCalibrationInterval             OBJECT-TYPE
    SYNTAX          INTEGERUnsigned32 -- Unsigned32Type
    ACCESSMAX-ACCESS            read-write
    STATUS          mandatoryCurrent
    DESCRIPTION
        "Calibration interval time.



        (From mibCtl ElementType 75 CalibrationInterval)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCInterfaceRF 8 }


_625k-MCSpatialParameter                OBJECT-TYPE
    SYNTAX          INTEGERUnsigned32 -- Unsigned32Type
    ACCESSMAX-ACCESS            read-write
    STATUS          mandatoryCurrent
    DESCRIPTION
        "Spatial parameter.



        (From mibCtl ElementType 78 SpatialParameter)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCInterfaceRF 9 }


_625k-MCCostCalcParameter               OBJECT-TYPE
    SYNTAX          INTEGERUnsigned32 -- Unsigned32Type
    ACCESSMAX-ACCESS            read-write
    STATUS          mandatoryCurrent
    DESCRIPTION
        "Cost calculation parameter.



        (From mibCtl ElementType 79 CostCalcParameter)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCInterfaceRF 10 }
```

```
_625k-MCBSRegistrationCapacity          OBJECT-TYPE
    SYNTAX              INTEGERUnsigned32 -- Unsigned32Type
    ACCESSMAX-ACCESS              read-write
    STATUS              mandatoryCurrent
    DESCRIPTION
        "Capacity of UT registration on BS.



        (From mibCtl ElementType 76 BSRegistrationCapacity)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCInterfaceRF 11 }


_625k-MCBSRegistrationTimer             OBJECT-TYPE
    SYNTAX              INTEGERUnsigned32 -- Unsigned32Type
    ACCESSMAX-ACCESS              read-write
    STATUS              mandatoryCurrent
    DESCRIPTION
        "Timer of keeping UT registration on BS.



        (From mibCtl ElementType 77 BSRegistrationTimer)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCInterfaceRF 12 }


_625k-MCPCHFrequencyHopping             OBJECT-TYPE
    SYNTAX              INTEGER -- BooleanType
    ACCESSMAX-ACCESS              read-write
    STATUS              mandatoryCurrent
    DESCRIPTION
        "Propriety of frequency hopping (PCH).



        (From mibCtl ElementType 70 PCHFrequencyHopping)
        Description for mibCtl Type 16 BooleanType :
            Truth value, 0=FALSE, 1=TRUE.

            This is a subset of TriStateType; no UNDEFINED value is provided.
            [Limits: 0 1 ]
        Description for mibCtl BooleanType 0 FALSE :
            False.
        Description for mibCtl BooleanType 1 TRUE :
            True.
        "
    ::= { _625k-MCInterfaceRF 13 }


_625k-MCTCHFrequencyHopping             OBJECT-TYPE
    SYNTAX              INTEGER -- BooleanType
    ACCESSMAX-ACCESS              read-write
```

```
    STATUS            mandatoryCurrent
    DESCRIPTION
        "Propriety of frequency hopping (TCH).



        (From mibCtl ElementType 71 TCHFrequencyHopping)
        Description for mibCtl Type 16 BooleanType :
            Truth value, 0=FALSE, 1=TRUE.

            This is a subset of TriStateType; no UNDEFINED value is provided.
            [Limits: 0 1 ]
        Description for mibCtl BooleanType 0 FALSE :
            False.
        Description for mibCtl BooleanType 1 TRUE :
            True.
        "
    ::= { _625k-MCInterfaceRF 14 }



_625k-MCRFStatusTable                   OBJECT-TYPE
    SYNTAX SEQUENCE OF _625k-MCRFStatusTableEntry
    ACCESSMAX-ACCESS            not-accessible
    STATUS            mandatoryCurrent
    DESCRIPTION       "RF Status Table"
    ::= { _625k-MCInterfaceRF 15 }



_625k-MCRFStatusTableEntry              OBJECT-TYPE
    SYNTAX          _625k-MCRFStatusTableEntry
    ACCESSMAX-ACCESS            not-accessible
    STATUS            mandatoryCurrent
    DESCRIPTION       ""
    INDEX  { _625k-MCRFStatusTableIndex }
    ::= { _625k-MCRFStatusTable 1 }

_625k-MCRFStatusTableEntry ::= SEQUENCE {
    _625k-MCRFStatusTableIndex              INTEGER, -- MoNerdAddressType
    _625k-MCBSAirBitRateUpLink              INTEGERUnsigned32, -- Unsigned32Type
    _625k-MCBSAirBitRateDownLink            INTEGERUnsigned32, -- Unsigned32Type
    _625k-MCBSActiveStream                  INTEGERUnsigned32, -- Unsigned32Type
    _625k-MCBSActiveRegistration            INTEGERUnsigned32 -- Unsigned32Type
    }



_625k-MCRFStatusTableIndex              OBJECT-TYPE
    SYNTAX            INTEGER -- MoNerdAddressType
    ACCESSMAX-ACCESS            read-only
    STATUS            mandatoryCurrent
    DESCRIPTION       "
        Description for mibCtl Type 204 MoNerdAddressType :
            Base station network component address.

            A network address is a subset of Base Station component addresses,
            restricted to network components only.
            Network components interface with a telephony switch or similar.
            [Limits: 0 1 ]
        Type derived from mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
    "
    ::= { _625k-MCRFStatusTableEntry 1 }
```

```
_625k-MCBSAirBitRateUpLink              OBJECT-TYPE
    SYNTAX          INTEGERUnsigned32 -- Unsigned32Type
    ACCESSMAX-ACCESS            read-only
    STATUS          mandatoryCurrent
    DESCRIPTION
        "Radio bit rate of up link per Modem control board.



        (From mibCtl ElementType 4022 BSAirBitRateUpLink)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCRFStatusTableEntry 2 }


_625k-MCBSAirBitRateDownLink            OBJECT-TYPE
    SYNTAX          INTEGERUnsigned32 -- Unsigned32Type
    ACCESSMAX-ACCESS            read-only
    STATUS          mandatoryCurrent
    DESCRIPTION
        "Radio bit rate of down link per Modem control board.



        (From mibCtl ElementType 4023 BSAirBitRateDownLink)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCRFStatusTableEntry 3 }


_625k-MCBSActiveStream                  OBJECT-TYPE
    SYNTAX          INTEGERUnsigned32 -- Unsigned32Type
    ACCESSMAX-ACCESS            read-only
    STATUS          mandatoryCurrent
    DESCRIPTION
        "Number of streams currently connected in a base station.

        Number of active streams.

        (From mibCtl ElementType 4020 BSActiveStream)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCRFStatusTableEntry 4 }


_625k-MCBSActiveRegistration            OBJECT-TYPE
    SYNTAX          INTEGERUnsigned32 -- Unsigned32Type
    ACCESSMAX-ACCESS            read-only
    STATUS          mandatoryCurrent
    DESCRIPTION
```

```
        "Number of registrations currently existed in a base station.

        The call capacity is determined by the available resources in a
        base station.

        (From mibCtl ElementType 4021 BSActiveRegistration)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCRFStatusTableEntry 5 }

_625k-MCSysScalars                      OBJECT IDENTIFIER
    -- DESCRIPTION       "System Scalars"
    ::= { _625k-MCSystem 4 }


_625k-MCBaseStationID                   OBJECT-TYPE
    SYNTAX            OCTET STRING (SIZE(0..18)) -- TextType X 18
    ~~ACCESS~~MAX-ACCESS            read-write
    STATUS            ~~mandatory~~Current
    DESCRIPTION
        "Base Station Identification Code.

        This text string must represent in hexadecimal a 42 bit number
        to be used as the Base Station Identification Code (BSID).
        The BSID is used by the base station to identify itself to
        subscriber units.
        The BSID of a base station must at a minimum
        differ from that of any other base station
        where both would be within radio reception distance
        of any subscriber unit.

        This cannot be changed while the Base Station state is Operating.

        (From mibCtl ElementType 60 BaseStationID)
        Description for mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCSysScalars 1 }


_625k-MCBaseStationTypeID               OBJECT-TYPE
    SYNTAX            OCTET STRING (SIZE(0..20)) -- TextType X 20
    ~~ACCESS~~MAX-ACCESS            read-write
    STATUS            ~~mandatory~~Current
    DESCRIPTION
        "Type ID of base station.



        (From mibCtl ElementType 66 BaseStationTypeID)
        Description for mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCSysScalars 2 }
```

```
_625k-MCBaseStationGroupID              OBJECT-TYPE
    SYNTAX              OCTET STRING (SIZE(0..20)) -- TextType X 20
    ACCESSMAX-ACCESS              read-write
    STATUS              mandatoryCurrent
    DESCRIPTION
        "Group ID of base station.



        (From mibCtl ElementType 67 BaseStationGroupID)
        Description for mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCSysScalars 3 }


_625k-MCBaseStationSubGroupID           OBJECT-TYPE
    SYNTAX              OCTET STRING (SIZE(0..20)) -- TextType X 20
    ACCESSMAX-ACCESS              read-write
    STATUS              mandatoryCurrent
    DESCRIPTION
        "Sub group ID of base station.



        (From mibCtl ElementType 68 BaseStationSubGroupID)
        Description for mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCSysScalars 4 }


_625k-MCDesiredStateOfBaseStation       OBJECT-TYPE
    SYNTAX              INTEGER -- ComponentStateType
    ACCESSMAX-ACCESS              read-write
    STATUS              mandatoryCurrent
    DESCRIPTION
        "Desired state of base station as a whole.

        This indicates the Base Station state desired by the operator.
        These desired states are currently supported:

        Operating -  for normal operation.

        Ready -  to avoid taking any new calls.
        Existing calls will not be terminated except normally or by
        command from the operator.
        While existing calls remain, the base station state will
        remain as Operating.

        This information is permanently stored on the base station.

        (From mibCtl ElementType 42 DesiredStateOfBaseStation)
        Description for mibCtl Type 71 ComponentStateType :
            Component operational state.

            A component begins in the Unknown state.
            If not detected, it enters and remains in the NotPresent state.
            If detected, it enters the Uninitialized state, from where it
```

```
            may go to the Testing and Initializing states and then to the
            Standby or Operating state depending upon permissions.
            Due to loss of permissions or resources, it may revert from
            the Operating state to the Standby state.
            Due to failure or loss of permission, it may revert to the
            Uninitialized state, perhaps by way of the ShuttingDown state
            depending on the device.
            From the Uninitialized state it may return to more advanced
            states depending upon permissions.
            In case of a waiting period before (again) initializing,
            the component is considered to be Initializing.

            Permissions include administrative permissions (from the
            operator); excessive failure restrictions; etc.
        Description for mibCtl ComponentStateType 0 Unknown :
            Component state not known.
        Description for mibCtl ComponentStateType 1 NotPresent :
            Component is not present.
        Description for mibCtl ComponentStateType 2 PowerOff :
            Component is present but powered off.
        Description for mibCtl ComponentStateType 3 Uninitialized :
            Component is present but not in use.

            The power on/off state of the component is not specified in
            this case.
        Description for mibCtl ComponentStateType 4 Testing :
            Component is being tested.
        Description for mibCtl ComponentStateType 5 Initializing :
            Component is being initialized.
        Description for mibCtl ComponentStateType 6 Ready :
            Component is ready but not operating.
        Description for mibCtl ComponentStateType 7 Operating :
            Component is operating for normal use without restriction.

            The component is either in actual use or may be used at any time,
            without restriction.
        Description for mibCtl ComponentStateType 8 Abandoned :
            Component state is not the desired state due to excessive errors.

            The component state is not that desired, and the Base Station
            software has abandoned attempts to place the component in
            the desired state.
            The actual state of the component is undefined.
            The Base Station software will resume attempting to place the
            component in the desired state if the appropriate Reinitialize
            action element is written with the correct value.
            Also, the software may resume attempts under other conditions,
            not all of which may be documented.
        Description for mibCtl ComponentStateType 9 InitialSetUp :
            Component is initial set up..

            Initial set up state.
        Description for mibCtl ComponentStateType 10 Degrading :
            Component is degrading..

            Degrading state.
        Description for mibCtl ComponentStateType 11 Restriction :
            Component is restriction..

            Restriction state.
        "
    ::= { _625k-MCSysScalars 5 }


_625k-MCTypeOfReboot                    OBJECT-TYPE
    SYNTAX          INTEGER -- RebootType
    ~~ACCESS~~MAX-ACCESS          read-write
```

```
    STATUS            ~~mandatory~~Current
    DESCRIPTION
        "Type of reboot for base station.



        (From mibCtl ElementType 63 TypeOfReboot)
        Description for mibCtl Type 250 RebootType :
            Reboot Type.
        Description for mibCtl RebootType 0 Force :
            Force  mode.
        Description for mibCtl RebootType 1 Graceful :
            Graceful  mode.
        "
    ::= { _625k-MCSysScalars 6 }


_625k-MCBaseStationRebootTime          OBJECT-TYPE
    SYNTAX            Gauge -- AbsoluteTimeType
    ~~ACCESS~~MAX-ACCESS            read-write
    STATUS            ~~mandatory~~Current
    DESCRIPTION
        "Time of base station reboot.

        This is the base station reboot time (GPS time).

        (From mibCtl ElementType 62 BaseStationRebootTime)
        Description for mibCtl Type 801 AbsoluteTimeType :
            Absolute time in GPS seconds.

            GPS (Global Positioning System) time in seconds since Jan. 6,
1980.
            Note that this differs from UTC (in addition to a possible
            offset due to starting time) due to leap seconds; see
            the GpsLeapSecond element.
        Type derived from mibCtl Type 18 Gauge32Type :
            32 bits of Gauge data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCSysScalars 7 }


_625k-MCTypeOfBSDiagnosis              OBJECT-TYPE
    SYNTAX            INTEGER -- DiagnosisType
    ~~ACCESS~~MAX-ACCESS            read-write
    STATUS            ~~mandatory~~Current
    DESCRIPTION
        "Type of diagnosis for base station.



        (From mibCtl ElementType 64 TypeOfBSDiagnosis)
        Description for mibCtl Type 251 DiagnosisType :
            Diagnosis Type.
        Type derived from mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCSysScalars 8 }


_625k-MCBSDiagnosisStatus              OBJECT-TYPE
    SYNTAX            INTEGER -- DiagnosisStatusType
```

```
    ACCESSMAX-ACCESS            read-only
    STATUS              mandatoryCurrent
    DESCRIPTION
        "Diagnosis status for base station.



        (From mibCtl ElementType 370 BSDiagnosisStatus)
        Description for mibCtl Type 252 DiagnosisStatusType :
            Diagnosis status Type.
        Type derived from mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCSysScalars 9 }


_625k-MCBSDiagnosisFailReason           OBJECT-TYPE
    SYNTAX              INTEGER -- DiagFailReasonType
    ACCESSMAX-ACCESS            read-only
    STATUS              mandatoryCurrent
    DESCRIPTION
        "Diagnosis fail reason for base station.



        (From mibCtl ElementType 371 BSDiagnosisFailReason)
        Description for mibCtl Type 253 DiagFailReasonType :
            Diagnosis fail reason Type.
        Description for mibCtl DiagFailReasonType 1 PDSNPing :
            Diagnosis fail reason is PDSN Ping.
        Description for mibCtl DiagFailReasonType 2 Calibration :
            Diagnosis fail reason is Calibration.
        Description for mibCtl DiagFailReasonType 3 AntPath :
            Diagnosis fail reason is TRx Antenna Path.
        Description for mibCtl DiagFailReasonType 4 LOAlive :
            Diagnosis fail reason is Local Oscilator DSP Alive.
        Description for mibCtl DiagFailReasonType 5 GCLoopBack :
            Diagnosis fail reason is GCLoopBack.
        Description for mibCtl DiagFailReasonType 6 SlaveNM :
            Diagnosis fail reason is Slave Modem control board.
        Description for mibCtl DiagFailReasonType 7 GPSAnt :
            Diagnosis fail reason is GPS Antenna.
        Description for mibCtl DiagFailReasonType 8 SlotDSP :
            Diagnosis fail reason is Modem control board DSP Alive.
        Description for mibCtl DiagFailReasonType 9 ATMAlive :
            Diagnosis fail reason is ATM Alive.
        Description for mibCtl DiagFailReasonType 96 UndefineName :
            Diagnosis fail reason is Undefine Diag Name.
        Description for mibCtl DiagFailReasonType 97 TimeOut :
            Diagnosis fail reason is Time Out.
        Description for mibCtl DiagFailReasonType 98 InvalidStateExec :
            Diagnosis fail reason is Invalid State Execute.
        Description for mibCtl DiagFailReasonType 99 ExecFail :
            Diagnosis fail reason is Execute Fail.
        "
    ::= { _625k-MCSysScalars 10 }


_625k-MCDiskDbUpdateSequence            OBJECT-TYPE
    SYNTAX              Gauge -- Gauge32Type
    ACCESSMAX-ACCESS            read-only
    STATUS              mandatoryCurrent
    DESCRIPTION
```

```
        "Base station Flach update sequence number.

        This number is incremented on disk every time any other
        database element is actually changed on flash.
        It is not incremented on redundant sets.
        This number may also be set to a desired value.

        (From mibCtl ElementType 6 DiskDbUpdateSequence)
        Description for mibCtl Type 18 Gauge32Type :
            32 bits of Gauge data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCSysScalars 11 }


_625k-MCStateOfBaseStation              OBJECT-TYPE
    SYNTAX            INTEGER -- ComponentStateType
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS            ~~mandatory~~Current
    DESCRIPTION
        "State of base station as a whole.

        This will not have values of Unknown or PowerOff since the
        base station would be unable to report such values.

        When sufficiently initialized, the state will be Operating if
        accepting new calls (according to the desired state of the
        base station) or continuing ongoing calls;
        or Ready if the desired state is Ready and their are no
        ongoing calls.

        (From mibCtl ElementType 41 StateOfBaseStation)
        Description for mibCtl Type 71 ComponentStateType :
            Component operational state.

            A component begins in the Unknown state.
            If not detected, it enters and remains in the NotPresent state.
            If detected, it enters the Uninitialized state, from where it
            may go to the Testing and Initializing states and then to the
            Standby or Operating state depending upon permissions.
            Due to loss of permissions or resources, it may revert from
            the Operating state to the Standby state.
            Due to failure or loss of permission, it may revert to the
            Uninitialized state, perhaps by way of the ShuttingDown state
            depending on the device.
            From the Uninitialized state it may return to more advanced
            states depending upon permissions.
            In case of a waiting period before (again) initializing,
            the component is considered to be Initializing.

            Permissions include administrative permissions (from the
            operator); excessive failure restrictions; etc.
        Description for mibCtl ComponentStateType 0 Unknown :
            Component state not known.
        Description for mibCtl ComponentStateType 1 NotPresent :
            Component is not present.
        Description for mibCtl ComponentStateType 2 PowerOff :
            Component is present but powered off.
        Description for mibCtl ComponentStateType 3 Uninitialized :
            Component is present but not in use.

            The power on/off state of the component is not specified in
            this case.
        Description for mibCtl ComponentStateType 4 Testing :
            Component is being tested.
        Description for mibCtl ComponentStateType 5 Initializing :
            Component is being initialized.
```

```
            Description for mibCtl ComponentStateType 6 Ready :
                Component is ready but not operating.
            Description for mibCtl ComponentStateType 7 Operating :
                Component is operating for normal use without restriction.

                The component is either in actual use or may be used at any time,
                without restriction.
            Description for mibCtl ComponentStateType 8 Abandoned :
                Component state is not the desired state due to excessive errors.

                The component state is not that desired, and the Base Station
                software has abandoned attempts to place the component in
                the desired state.
                The actual state of the component is undefined.
                The Base Station software will resume attempting to place the
                component in the desired state if the appropriate Reinitialize
                action element is written with the correct value.
                Also, the software may resume attempts under other conditions,
                not all of which may be documented.
            Description for mibCtl ComponentStateType 9 InitialSetUp :
                Component is initial set up..

                Initial set up state.
            Description for mibCtl ComponentStateType 10 Degrading :
                Component is degrading..

                Degrading state.
            Description for mibCtl ComponentStateType 11 Restriction :
                Component is restriction..

                Restriction state.
            "
        ::= { _625k-MCSysScalars 12 }



    _625k-MCBSTotalIndication                OBJECT-TYPE
        SYNTAX            INTEGER -- IndicationType
        ~~ACCESS~~MAX-ACCESS            read-only
        STATUS            ~~mandatory~~Current
        DESCRIPTION
            "Status of BS total indicator.

            In the current implementation,
            this indication is set to the value On by BS.

            (From mibCtl ElementType 525 BSTotalIndication)
            Description for mibCtl Type 230 IndicationType :
                Hardware indication status (LEDs).


            Description for mibCtl IndicationType 0 Off :
                Off.
            Description for mibCtl IndicationType 1 Amber :
                Amber.
            Description for mibCtl IndicationType 2 Red :
                Red.
            Description for mibCtl IndicationType 3 Green :
                Green.
            Description for mibCtl IndicationType 4 NotPresent :
                Not present.
            "
        ::= { _625k-MCSysScalars 13 }



    _625k-MCMasterAddress                    OBJECT-TYPE
        SYNTAX            INTEGER -- ModuleAddressType
```

```
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS              ~~mandatory~~Current
    DESCRIPTION
        "Bus slot address of master Modem control board.

        This indicates which Modem control board is master
        of the base station.

        (From mibCtl ElementType 32 MasterAddress)
        Description for mibCtl Type 202 ModuleAddressType :
            Base station bus slot address.

            Most components of the Base Station for which data can
            be obtained are identified by a ModuleAddressType address
            and possibly a subsidiary address.
            [Limits: 0 7 ]
        Type derived from mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCSysScalars 14 }


_625k-MCBSManufactureID                 OBJECT-TYPE
    SYNTAX              OCTET STRING (SIZE(0..20)) -- TextType X 20
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS              ~~mandatory~~Current
    DESCRIPTION
        "Base Station manufacture identification number.

        The manufacture identification assigned by Vendor

        (From mibCtl ElementType 201 BSManufactureID)
        Description for mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCSysScalars 15 }


_625k-MCBSSerialNumber                  OBJECT-TYPE
    SYNTAX              OCTET STRING (SIZE(0..20)) -- TextType X 20
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS              ~~mandatory~~Current
    DESCRIPTION
        "Base Station serial number.

        This is the character serial number of the base station.
        This serial number will be unique among all base stations
        of this type regardless of manufacturer.

        (From mibCtl ElementType 203 BSSerialNumber)
        Description for mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCSysScalars 16 }
```

```
_625k-MCDiagnosisBaseStation            OBJECT-TYPE
    SYNTAX          INTEGER -- BooleanType
    ACCESSMAX-ACCESS          read-write -- REALLY: write-only
    STATUS          mandatoryCurrent
    DESCRIPTION
        "Diagnosis base station.

        This is a write-only element; only a value of TRUE is valid.

        (From mibCtl ElementType 47 DiagnosisBaseStation)
        Description for mibCtl Type 16 BooleanType :
            Truth value, 0=FALSE, 1=TRUE.

            This is a subset of TriStateType; no UNDEFINED value is provided.
            [Limits: 0 1 ]
        Description for mibCtl BooleanType 0 FALSE :
            False.
        Description for mibCtl BooleanType 1 TRUE :
            True.
        "
    ::= { _625k-MCSysScalars 17 }


_625k-MCRebootBaseStation               OBJECT-TYPE
    SYNTAX          INTEGER -- BooleanType
    ACCESSMAX-ACCESS          read-write -- REALLY: write-only
    STATUS          mandatoryCurrent
    DESCRIPTION
        "Reboot base station.

        This is a write-only element; only a value of TRUE is valid.
        All existing calls will be terminated abruptly.
        All components of the base station will be reinitialized
        according to the permanent contents of the Base Station database.
        The base station may be incommunicado for a period of time.

        The reinitialization may be delayed by a few seconds to allow
        for a clean shutdown.

        (From mibCtl ElementType 44 RebootBaseStation)
        Description for mibCtl Type 16 BooleanType :
            Truth value, 0=FALSE, 1=TRUE.

            This is a subset of TriStateType; no UNDEFINED value is provided.
            [Limits: 0 1 ]
        Description for mibCtl BooleanType 0 FALSE :
            False.
        Description for mibCtl BooleanType 1 TRUE :
            True.
        "
    ::= { _625k-MCSysScalars 18 }


_625k-MCBSModelNumber                   OBJECT-TYPE
    SYNTAX          OCTET STRING (SIZE(0..20)) -- TextType X 20
    ACCESSMAX-ACCESS          read-only
    STATUS          mandatoryCurrent
    DESCRIPTION
        "Base Station model number.

        Base Station model number

        (From mibCtl ElementType 204 BSModelNumber)
        Description for mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
```

```
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCSysScalars 19 }


_625k-MCBSManufactureDate               OBJECT-TYPE
    SYNTAX          OCTET STRING (SIZE(0..20)) -- TextType X 20
    ACCESSMAX-ACCESS            read-only
    STATUS          mandatoryCurrent
    DESCRIPTION
        "Base Station manufacture date.

        Base Station manufacture date

        (From mibCtl ElementType 205 BSManufactureDate)
        Description for mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCSysScalars 20 }


_625k-MCBSHardwareRevision              OBJECT-TYPE
    SYNTAX          OCTET STRING (SIZE(0..20)) -- TextType X 20
    ACCESSMAX-ACCESS            read-only
    STATUS          mandatoryCurrent
    DESCRIPTION
        "Base Station hardware revision.

        Base Station hardware revision

        (From mibCtl ElementType 206 BSHardwareRevision)
        Description for mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCSysScalars 21 }


_625k-MCMiscComponents                  OBJECT IDENTIFIER
    -- DESCRIPTION      "Miscellaneous Component"
    ::= { IEEE802dot20-625k-MC-MIB 2 }


_625k-MCAntenna                         OBJECT IDENTIFIER
    -- DESCRIPTION      "Antenna"
    ::= { _625k-MCMiscComponents 1 }


_625k-MCAntennaTable                    OBJECT-TYPE
    SYNTAX SEQUENCE OF _625k-MCAntennaTableEntry
    ACCESSMAX-ACCESS            not-accessible
    STATUS          mandatoryCurrent
    DESCRIPTION     "Antenna Table"
    ::= { _625k-MCAntenna 1 }
```

```
_625k-MCAntennaTableEntry               OBJECT-TYPE
    SYNTAX          _625k-MCAntennaTableEntry
    ACCESSMAX-ACCESS            not-accessible
    STATUS          mandatoryCurrent
    DESCRIPTION     ""
    INDEX  { _625k-MCAntennaTableIndex }
    ::= { _625k-MCAntennaTable 1 }

_625k-MCAntennaTableEntry ::= SEQUENCE {
   _625k-MCAntennaTableIndex              INTEGER, -- AntennaAddressType
   _625k-MCStateOfAntenna                 INTEGER -- ComponentStateType
    }



_625k-MCAntennaTableIndex               OBJECT-TYPE
    SYNTAX          INTEGER -- AntennaAddressType
    ACCESSMAX-ACCESS            read-only
    STATUS          mandatoryCurrent
    DESCRIPTION     "
        Description for mibCtl Type 210 AntennaAddressType :
            Component antenna address.
            [Limits: 0 11 ]
        Type derived from mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
    "
    ::= { _625k-MCAntennaTableEntry 1 }



_625k-MCStateOfAntenna                  OBJECT-TYPE
    SYNTAX          INTEGER -- ComponentStateType
    ACCESSMAX-ACCESS            read-only
    STATUS          mandatoryCurrent
    DESCRIPTION
        "State of Antenna as a whole.


        (From mibCtl ElementType 211 StateOfAntenna)
        Description for mibCtl Type 71 ComponentStateType :
            Component operational state.

            A component begins in the Unknown state.
            If not detected, it enters and remains in the NotPresent state.
            If detected, it enters the Uninitialized state, from where it
            may go to the Testing and Initializing states and then to the
            Standby or Operating state depending upon permissions.
            Due to loss of permissions or resources, it may revert from
            the Operating state to the Standby state.
            Due to failure or loss of permission, it may revert to the
            Uninitialized state, perhaps by way of the ShuttingDown state
            depending on the device.
            From the Uninitialized state it may return to more advanced
            states depending upon permissions.
            In case of a waiting period before (again) initializing,
            the component is considered to be Initializing.

            Permissions include administrative permissions (from the
            operator); excessive failure restrictions; etc.
        Description for mibCtl ComponentStateType 0 Unknown :
            Component state not known.
        Description for mibCtl ComponentStateType 1 NotPresent :
            Component is not present.
        Description for mibCtl ComponentStateType 2 PowerOff :
            Component is present but powered off.
```

```
        Description for mibCtl ComponentStateType 3 Uninitialized :
            Component is present but not in use.

            The power on/off state of the component is not specified in
            this case.
        Description for mibCtl ComponentStateType 4 Testing :
            Component is being tested.
        Description for mibCtl ComponentStateType 5 Initializing :
            Component is being initialized.
        Description for mibCtl ComponentStateType 6 Ready :
            Component is ready but not operating.
        Description for mibCtl ComponentStateType 7 Operating :
            Component is operating for normal use without restriction.

            The component is either in actual use or may be used at any time,
            without restriction.
        Description for mibCtl ComponentStateType 8 Abandoned :
            Component state is not the desired state due to excessive errors.

            The component state is not that desired, and the Base Station
            software has abandoned attempts to place the component in
            the desired state.
            The actual state of the component is undefined.
            The Base Station software will resume attempting to place the
            component in the desired state if the appropriate Reinitialize
            action element is written with the correct value.
            Also, the software may resume attempts under other conditions,
            not all of which may be documented.
        Description for mibCtl ComponentStateType 9 InitialSetUp :
            Component is initial set up..

            Initial set up state.
        Description for mibCtl ComponentStateType 10 Degrading :
            Component is degrading..

            Degrading state.
        Description for mibCtl ComponentStateType 11 Restriction :
            Component is restriction..

            Restriction state.
        "
    ::= { _625k-MCAntennaTableEntry 2 }


_625k-MCBSTemperatures                  OBJECT IDENTIFIER
    -- DESCRIPTION       "BS Temperature"
    ::= { _625k-MCMiscComponents 3 }


_625k-MCBSTemperature                   OBJECT-TYPE
    SYNTAX            OCTET STRING (SIZE(0..4)) -- DegreesCelsiusType
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS            ~~mandatory~~Current
    DESCRIPTION
        "The temperature of Base station (degrees Celsius).

        The latest recorded temperature of a given BS.

        (From mibCtl ElementType 536 BSTemperature)
        Description for mibCtl Type 807 DegreesCelsiusType :
            Temperature in degrees Celsius.
        Type derived from mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
```

```
            "
        ::= { _625k-MCBSTemperatures 1 }


    _625k-MCCableInfo                       OBJECT IDENTIFIER
        -- DESCRIPTION       "Cable Info"
        ::= { _625k-MCMiscComponents 4 }


    _625k-MCCableLossValueForLoCal          OBJECT-TYPE
        SYNTAX            OCTET STRING (SIZE(0..20)) -- TextType X 20
        ~~ACCESS~~MAX-ACCESS            read-only
        STATUS            ~~mandatory~~Current
        DESCRIPTION
            "Value of cable loss for Local Oscilator.

            Value of cable loss.

            (From mibCtl ElementType 801 CableLossValueForLoCal)
            Description for mibCtl Type 15 TextType :
                ASCII or compatible text.
            Type derived from mibCtl Type 12 OctetType :
                8 bits of raw opaque data.
            Derived from basic 8 bit word type.
            "
        ::= { _625k-MCCableInfo 1 }



    _625k-MCAntCableTable                   OBJECT-TYPE
        SYNTAX SEQUENCE OF _625k-MCAntCableTableEntry
        ~~ACCESS~~MAX-ACCESS            not-accessible
        STATUS            ~~mandatory~~Current
        DESCRIPTION       "Antenna Cable"
        ::= { _625k-MCCableInfo 2 }


    _625k-MCAntCableTableEntry              OBJECT-TYPE
        SYNTAX           _625k-MCAntCableTableEntry
        ~~ACCESS~~MAX-ACCESS            not-accessible
        STATUS            ~~mandatory~~Current
        DESCRIPTION       ""
        INDEX  { _625k-MCAntCableTableIndex }
        ::= { _625k-MCAntCableTable 1 }

    _625k-MCAntCableTableEntry ::= SEQUENCE {
       _625k-MCAntCableTableIndex             INTEGER, -- AntennaAddressType
       _625k-MCCableLossValueForAntenna       OCTET STRING (SIZE(0..20)) --
    TextType X 20
        }


    _625k-MCAntCableTableIndex              OBJECT-TYPE
        SYNTAX            INTEGER -- AntennaAddressType
        ~~ACCESS~~MAX-ACCESS            read-only
        STATUS            ~~mandatory~~Current
        DESCRIPTION       "
            Description for mibCtl Type 210 AntennaAddressType :
                Component antenna address.
                [Limits: 0 11 ]
            Type derived from mibCtl Type 14 Unsigned32Type :
                32 bit unsigned integer.
            Type derived from mibCtl Type 11 Word32Type :
```

```
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
    "
    ::= { _625k-MCAntCableTableEntry 1 }


_625k-MCCableLossValueForAntenna        OBJECT-TYPE
    SYNTAX          OCTET STRING (SIZE(0..20)) -- TextType X 20
    ACCESSMAX-ACCESS            read-only
    STATUS          mandatoryCurrent
    DESCRIPTION
        "Value of cable loss for Antenna.

        Value of cable loss.

        (From mibCtl ElementType 802 CableLossValueForAntenna)
        Description for mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCAntCableTableEntry 2 }



_625k-MCGPSCableTable                   OBJECT-TYPE
    SYNTAX SEQUENCE OF _625k-MCGPSCableTableEntry
    ACCESSMAX-ACCESS            not-accessible
    STATUS          mandatoryCurrent
    DESCRIPTION     "GPS Cable"
    ::= { _625k-MCCableInfo 10 }


_625k-MCGPSCableTableEntry              OBJECT-TYPE
    SYNTAX          _625k-MCGPSCableTableEntry
    ACCESSMAX-ACCESS            not-accessible
    STATUS          mandatoryCurrent
    DESCRIPTION     ""
    INDEX  { _625k-MCGPSCableTableIndex }
    ::= { _625k-MCGPSCableTable 1 }

_625k-MCGPSCableTableEntry ::= SEQUENCE {
   _625k-MCGPSCableTableIndex             INTEGER, -- GpsAddressType
   _625k-MCCableLengthForGps              OCTET STRING (SIZE(0..20)) --
TextType X 20
    }


_625k-MCGPSCableTableIndex              OBJECT-TYPE
    SYNTAX          INTEGER -- GpsAddressType
    ACCESSMAX-ACCESS            read-only
    STATUS          mandatoryCurrent
    DESCRIPTION     "
        Description for mibCtl Type 209 GpsAddressType :
            Base station GPS component address.


            [Limits: 0 1 ]
        Type derived from mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
```

```
        "
        ::= { _625k-MCGPSCableTableEntry 1 }


    _625k-MCCableLengthForGps               OBJECT-TYPE
        SYNTAX            OCTET STRING (SIZE(0..20)) -- TextType X 20
        ~~ACCESS~~MAX-ACCESS            read-only
        STATUS            ~~mandatory~~Current
        DESCRIPTION
            "Cable length for Gps.

            This cable is used for calibration.

            (From mibCtl ElementType 803 CableLengthForGps)
            Description for mibCtl Type 15 TextType :
                ASCII or compatible text.
            Type derived from mibCtl Type 12 OctetType :
                8 bits of raw opaque data.
            Derived from basic 8 bit word type.
            "
        ::= { _625k-MCGPSCableTableEntry 2 }


    _625k-MCGPS                             OBJECT IDENTIFIER
        -- DESCRIPTION       "GPS"
        ::= { _625k-MCMiscComponents 6 }


    _625k-MCGPSTable                        OBJECT-TYPE
        SYNTAX SEQUENCE OF _625k-MCGPSTableEntry
        ~~ACCESS~~MAX-ACCESS            not-accessible
        STATUS            ~~mandatory~~Current
        DESCRIPTION       "GPS Table"
        ::= { _625k-MCGPS 1 }


    _625k-MCGPSTableEntry                   OBJECT-TYPE
        SYNTAX           _625k-MCGPSTableEntry
        ~~ACCESS~~MAX-ACCESS            not-accessible
        STATUS            ~~mandatory~~Current
        DESCRIPTION       ""
        INDEX  { _625k-MCGPSTableIndex }
        ::= { _625k-MCGPSTable 1 }

    _625k-MCGPSTableEntry ::= SEQUENCE {
        _625k-MCGPSTableIndex                 INTEGER, -- GpsAddressType
        _625k-MCStateOfGps                    INTEGER, -- ComponentStateType
        _625k-MCGpsNumberOfSatelliteSeen      ~~INTEGER~~Unsigned32, -- Unsigned32Type
        _625k-MCGpsIndication                 INTEGER, -- IndicationType
        _625k-MCGpsSerialNumber               OCTET STRING (SIZE(0..20)) --
    TextType X 20
        }


    _625k-MCGPSTableIndex                   OBJECT-TYPE
        SYNTAX            INTEGER -- GpsAddressType
        ~~ACCESS~~MAX-ACCESS            read-only
        STATUS            ~~mandatory~~Current
        DESCRIPTION       "
            Description for mibCtl Type 209 GpsAddressType :
                Base station GPS component address.
```

```
            [Limits: 0 1 ]
        Type derived from mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
    "
    ::= { _625k-MCGPSTableEntry 1 }


_625k-MCStateOfGps                      OBJECT-TYPE
    SYNTAX          INTEGER -- ComponentStateType
    ~~ACCESS~~MAX-ACCESS          read-only
    STATUS          ~~mandatory~~Current
    DESCRIPTION
        "GPS state.

        The state of the GPS (Global Positioning System)
        on the active local oscillator unit

        (From mibCtl ElementType 420 StateOfGps)
        Description for mibCtl Type 71 ComponentStateType :
            Component operational state.

            A component begins in the Unknown state.
            If not detected, it enters and remains in the NotPresent state.
            If detected, it enters the Uninitialized state, from where it
            may go to the Testing and Initializing states and then to the
            Standby or Operating state depending upon permissions.
            Due to loss of permissions or resources, it may revert from
            the Operating state to the Standby state.
            Due to failure or loss of permission, it may revert to the
            Uninitialized state, perhaps by way of the ShuttingDown state
            depending on the device.
            From the Uninitialized state it may return to more advanced
            states depending upon permissions.
            In case of a waiting period before (again) initializing,
            the component is considered to be Initializing.

            Permissions include administrative permissions (from the
            operator); excessive failure restrictions; etc.
        Description for mibCtl ComponentStateType 0 Unknown :
            Component state not known.
        Description for mibCtl ComponentStateType 1 NotPresent :
            Component is not present.
        Description for mibCtl ComponentStateType 2 PowerOff :
            Component is present but powered off.
        Description for mibCtl ComponentStateType 3 Uninitialized :
            Component is present but not in use.

            The power on/off state of the component is not specified in
            this case.
        Description for mibCtl ComponentStateType 4 Testing :
            Component is being tested.
        Description for mibCtl ComponentStateType 5 Initializing :
            Component is being initialized.
        Description for mibCtl ComponentStateType 6 Ready :
            Component is ready but not operating.
        Description for mibCtl ComponentStateType 7 Operating :
            Component is operating for normal use without restriction.

            The component is either in actual use or may be used at any time,
            without restriction.
        Description for mibCtl ComponentStateType 8 Abandoned :
            Component state is not the desired state due to excessive errors.

            The component state is not that desired, and the Base Station
```

```
            software has abandoned attempts to place the component in
            the desired state.
            The actual state of the component is undefined.
            The Base Station software will resume attempting to place the
            component in the desired state if the appropriate Reinitialize
            action element is written with the correct value.
            Also, the software may resume attempts under other conditions,
            not all of which may be documented.
        Description for mibCtl ComponentStateType 9 InitialSetUp :
            Component is initial set up..

            Initial set up state.
        Description for mibCtl ComponentStateType 10 Degrading :
            Component is degrading..

            Degrading state.
        Description for mibCtl ComponentStateType 11 Restriction :
            Component is restriction..

            Restriction state.
        "
    ::= { _625k-MCGPSTableEntry 2 }


_625k-MCGpsNumberOfSatelliteSeen        OBJECT-TYPE
    SYNTAX            ~~INTEGER~~Unsigned32 -- Unsigned32Type
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS            ~~mandatory~~Current
    DESCRIPTION
        "Number of satellites seen by GPS.

        The number of satellites seen by the GPS (Global Positioning System)
        on the active local oscillator unit

        (From mibCtl ElementType 421 GpsNumberOfSatelliteSeen)
        Description for mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
        "
    ::= { _625k-MCGPSTableEntry 3 }


_625k-MCGpsIndication                   OBJECT-TYPE
    SYNTAX            INTEGER -- IndicationType
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS            ~~mandatory~~Current
    DESCRIPTION
        "Status of GPS indicator.



        (From mibCtl ElementType 530 GpsIndication)
        Description for mibCtl Type 230 IndicationType :
            Hardware indication status (LEDs).


        Description for mibCtl IndicationType 0 Off :
            Off.
        Description for mibCtl IndicationType 1 Amber :
            Amber.
        Description for mibCtl IndicationType 2 Red :
            Red.
        Description for mibCtl IndicationType 3 Green :
            Green.
```

```
          Description for mibCtl IndicationType 4 NotPresent :
              Not present.
          "
      ::= { _625k-MCGPSTableEntry 4 }


  _625k-MCGpsSerialNumber                 OBJECT-TYPE
      SYNTAX            OCTET STRING (SIZE(0..20)) -- TextType X 20
      ACCESSMAX-ACCESS            read-only
      STATUS            mandatoryCurrent
      DESCRIPTION
          "GPS serial number text.

          Factory set uniquely for each component.

          (From mibCtl ElementType 570 GpsSerialNumber)
          Description for mibCtl Type 15 TextType :
              ASCII or compatible text.
          Type derived from mibCtl Type 12 OctetType :
              8 bits of raw opaque data.
          Derived from basic 8 bit word type.
          "
      ::= { _625k-MCGPSTableEntry 5 }


  _625k-MCPowerAmplifier                  OBJECT IDENTIFIER
      -- DESCRIPTION       "Power Amplifier"
      ::= { _625k-MCMiscComponents 8 }


  _625k-MCPAUnitTable                     OBJECT-TYPE
      SYNTAX SEQUENCE OF _625k-MCPAUnitTableEntry
      ACCESSMAX-ACCESS            not-accessible
      STATUS            mandatoryCurrent
      DESCRIPTION       "PA Table"
      ::= { _625k-MCPowerAmplifier 1 }


  _625k-MCPAUnitTableEntry                OBJECT-TYPE
      SYNTAX          _625k-MCPAUnitTableEntry
      ACCESSMAX-ACCESS            not-accessible
      STATUS            mandatoryCurrent
      DESCRIPTION       ""
      INDEX  { _625k-MCPAUnitTableIndex }
      ::= { _625k-MCPAUnitTable 1 }

  _625k-MCPAUnitTableEntry ::= SEQUENCE {
      _625k-MCPAUnitTableIndex              INTEGER, -- PAUnitAddressType
      _625k-MCRebootPAUnit                  INTEGER, -- BooleanType
      _625k-MCStateOfPAUnit                 INTEGER, -- ComponentStateType
      _625k-MCPAUnitIndication              INTEGER, -- IndicationType
      _625k-MCPAUnitSerialNumber            OCTET STRING (SIZE(0..20)), --
  TextType X 20
      _625k-MCPAUnitModelNumber             OCTET STRING (SIZE(0..20)), --
  TextType X 20
      _625k-MCPAUnitManufactureDate         OCTET STRING (SIZE(0..20)), --
  TextType X 20
      _625k-MCPAUnitHardwareRevision        OCTET STRING (SIZE(0..20)), --
  TextType X 20
      _625k-MCPAUnitManufactureID           OCTET STRING (SIZE(0..20)), --
  TextType X 20
      _625k-MCPAUnitTemperature             OCTET STRING (SIZE(0..4)) --
  DegreesCelsiusType
```

```
    }


_625k-MCPAUnitTableIndex                OBJECT-TYPE
    SYNTAX            INTEGER -- PAUnitAddressType
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS            ~~mandatory~~Current
    DESCRIPTION       "
        Description for mibCtl Type 207 PAUnitAddressType :
            Base station power amplifier component unit address.

            A power amplifier unit address is a subset of Base Station
            component addresses,
            restricted to power amplifier components only.
            Power amplifiers boost radio frequency
            signal levels.
            [Limits: 0 3 ]
        Type derived from mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
    "
    ::= { _625k-MCPAUnitTableEntry 1 }


_625k-MCRebootPAUnit                    OBJECT-TYPE
    SYNTAX            INTEGER -- BooleanType
    ~~ACCESS~~MAX-ACCESS            read-write -- REALLY: write-only
    STATUS            ~~mandatory~~Current
    DESCRIPTION
        "Action to reboot a PA unit.

        This is a write-only element; only a value of TRUE is valid.

        (From mibCtl ElementType 506 RebootPAUnit)
        Description for mibCtl Type 16 BooleanType :
            Truth value, 0=FALSE, 1=TRUE.

            This is a subset of TriStateType; no UNDEFINED value is provided.
            [Limits: 0 1 ]
        Description for mibCtl BooleanType 0 FALSE :
            False.
        Description for mibCtl BooleanType 1 TRUE :
            True.
        "
    ::= { _625k-MCPAUnitTableEntry 2 }


_625k-MCStateOfPAUnit                   OBJECT-TYPE
    SYNTAX            INTEGER -- ComponentStateType
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS            ~~mandatory~~Current
    DESCRIPTION
        "State of PA as a whole.


        (From mibCtl ElementType 212 StateOfPAUnit)
        Description for mibCtl Type 71 ComponentStateType :
            Component operational state.

            A component begins in the Unknown state.
            If not detected, it enters and remains in the NotPresent state.
            If detected, it enters the Uninitialized state, from where it
            may go to the Testing and Initializing states and then to the
```

```
            Standby or Operating state depending upon permissions.
            Due to loss of permissions or resources, it may revert from
            the Operating state to the Standby state.
            Due to failure or loss of permission, it may revert to the
            Uninitialized state, perhaps by way of the ShuttingDown state
            depending on the device.
            From the Uninitialized state it may return to more advanced
            states depending upon permissions.
            In case of a waiting period before (again) initializing,
            the component is considered to be Initializing.

            Permissions include administrative permissions (from the
            operator); excessive failure restrictions; etc.
        Description for mibCtl ComponentStateType 0 Unknown :
            Component state not known.
        Description for mibCtl ComponentStateType 1 NotPresent :
            Component is not present.
        Description for mibCtl ComponentStateType 2 PowerOff :
            Component is present but powered off.
        Description for mibCtl ComponentStateType 3 Uninitialized :
            Component is present but not in use.

            The power on/off state of the component is not specified in
            this case.
        Description for mibCtl ComponentStateType 4 Testing :
            Component is being tested.
        Description for mibCtl ComponentStateType 5 Initializing :
            Component is being initialized.
        Description for mibCtl ComponentStateType 6 Ready :
            Component is ready but not operating.
        Description for mibCtl ComponentStateType 7 Operating :
            Component is operating for normal use without restriction.

            The component is either in actual use or may be used at any time,
            without restriction.
        Description for mibCtl ComponentStateType 8 Abandoned :
            Component state is not the desired state due to excessive errors.

            The component state is not that desired, and the Base Station
            software has abandoned attempts to place the component in
            the desired state.
            The actual state of the component is undefined.
            The Base Station software will resume attempting to place the
            component in the desired state if the appropriate Reinitialize
            action element is written with the correct value.
            Also, the software may resume attempts under other conditions,
            not all of which may be documented.
        Description for mibCtl ComponentStateType 9 InitialSetUp :
            Component is initial set up..

            Initial set up state.
        Description for mibCtl ComponentStateType 10 Degrading :
            Component is degrading..

            Degrading state.
        Description for mibCtl ComponentStateType 11 Restriction :
            Component is restriction..

            Restriction state.
        "
    ::= { _625k-MCPAUnitTableEntry 3 }


_625k-MCPAUnitIndication                OBJECT-TYPE
    SYNTAX          INTEGER -- IndicationType
    ~~ACCESS~~MAX-ACCESS          read-only
    STATUS          ~~mandatory~~Current
```

```
    DESCRIPTION
        "Status of PA Unit indicator.



        (From mibCtl ElementType 526 PAUnitIndication)
        Description for mibCtl Type 230 IndicationType :
            Hardware indication status (LEDs).


        Description for mibCtl IndicationType 0 Off :
            Off.
        Description for mibCtl IndicationType 1 Amber :
            Amber.
        Description for mibCtl IndicationType 2 Red :
            Red.
        Description for mibCtl IndicationType 3 Green :
            Green.
        Description for mibCtl IndicationType 4 NotPresent :
            Not present.
        "
    ::= { _625k-MCPAUnitTableEntry 4 }


_625k-MCPAUnitSerialNumber              OBJECT-TYPE
    SYNTAX            OCTET STRING (SIZE(0..20)) -- TextType X 20
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS            ~~mandatory~~Current
    DESCRIPTION
        "PA unit serial number text.

        Factory set uniquely for each component.

        (From mibCtl ElementType 560 PAUnitSerialNumber)
        Description for mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCPAUnitTableEntry 5 }


_625k-MCPAUnitModelNumber               OBJECT-TYPE
    SYNTAX            OCTET STRING (SIZE(0..20)) -- TextType X 20
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS            ~~mandatory~~Current
    DESCRIPTION
        "PA unit model number.

        Factory set with description of component type, including
        the major revision level.

        (From mibCtl ElementType 561 PAUnitModelNumber)
        Description for mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCPAUnitTableEntry 6 }


_625k-MCPAUnitManufactureDate           OBJECT-TYPE
    SYNTAX            OCTET STRING (SIZE(0..20)) -- TextType X 20
```

```
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS              ~~mandatory~~Current
    DESCRIPTION
        "PA unit manufacture date.

        Factory set to month and date of manufacture date of the module.

        (From mibCtl ElementType 562 PAUnitManufactureDate)
        Description for mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCPAUnitTableEntry 7 }


_625k-MCPAUnitHardwareRevision          OBJECT-TYPE
    SYNTAX              OCTET STRING (SIZE(0..20)) -- TextType X 20
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS              ~~mandatory~~Current
    DESCRIPTION
        "PA unit hardware revision name.

        Set at the factory to indicate the minor hardware revision
        level of the module.

        (From mibCtl ElementType 563 PAUnitHardwareRevision)
        Description for mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCPAUnitTableEntry 8 }


_625k-MCPAUnitManufactureID             OBJECT-TYPE
    SYNTAX              OCTET STRING (SIZE(0..20)) -- TextType X 20
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS              ~~mandatory~~Current
    DESCRIPTION
        "PA unit manufacture ID.


        (From mibCtl ElementType 564 PAUnitManufactureID)
        Description for mibCtl Type 15 TextType :
            ASCII or compatible text.
        Type derived from mibCtl Type 12 OctetType :
            8 bits of raw opaque data.
        Derived from basic 8 bit word type.
        "
    ::= { _625k-MCPAUnitTableEntry 9 }


_625k-MCPAUnitTemperature               OBJECT-TYPE
    SYNTAX              OCTET STRING (SIZE(0..4)) -- DegreesCelsiusType
    ~~ACCESS~~MAX-ACCESS            read-only
    STATUS              ~~mandatory~~Current
    DESCRIPTION
        "The temperature of PAUnit (degrees Celsius).

        The latest recorded temperature of a given PAUnit.

```

```
          (From mibCtl ElementType 539 PAUnitTemperature)
          Description for mibCtl Type 807 DegreesCelsiusType :
              Temperature in degrees Celsius.
          Type derived from mibCtl Type 15 TextType :
              ASCII or compatible text.
          Type derived from mibCtl Type 12 OctetType :
              8 bits of raw opaque data.
          Derived from basic 8 bit word type.
          "
      ::= { _625k-MCPAUnitTableEntry 10 }



  _625k-MCPAModuleTable                    OBJECT-TYPE
      SYNTAX SEQUENCE OF _625k-MCPAModuleTableEntry
      ~~ACCESS~~MAX-ACCESS            not-accessible
      STATUS              ~~mandatory~~Current
      DESCRIPTION       "PA Module Table"
      ::= { _625k-MCPowerAmplifier 2 }


  _625k-MCPAModuleTableEntry               OBJECT-TYPE
      SYNTAX            _625k-MCPAModuleTableEntry
      ~~ACCESS~~MAX-ACCESS            not-accessible
      STATUS              ~~mandatory~~Current
      DESCRIPTION       ""
      INDEX  { _625k-MCPAModuleTableIndex1,_625k-MCPAModuleTableIndex2 }
      ::= { _625k-MCPAModuleTable 1 }

  _625k-MCPAModuleTableEntry ::= SEQUENCE {
      _625k-MCPAModuleTableIndex1            INTEGER, -- PAUnitAddressType
      _625k-MCPAModuleTableIndex2            INTEGER -- PAModuleAddressType
      }


  _625k-MCPAModuleTableIndex1              OBJECT-TYPE
      SYNTAX              INTEGER -- PAUnitAddressType
      ~~ACCESS~~MAX-ACCESS            read-only
      STATUS              ~~mandatory~~Current
      DESCRIPTION       "
          Description for mibCtl Type 207 PAUnitAddressType :
              Base station power amplifier component unit address.

              A power amplifier unit address is a subset of Base Station
              component addresses,
              restricted to power amplifier components only.
              Power amplifiers boost radio frequency
              signal levels.
              [Limits: 0 3 ]
          Type derived from mibCtl Type 14 Unsigned32Type :
              32 bit unsigned integer.
          Type derived from mibCtl Type 11 Word32Type :
              32 bits of raw opaque data.
          Derived from basic 32 bit word type.
      "
      ::= { _625k-MCPAModuleTableEntry 1 }


  _625k-MCPAModuleTableIndex2              OBJECT-TYPE
      SYNTAX              INTEGER -- PAModuleAddressType
      ~~ACCESS~~MAX-ACCESS            read-only
      STATUS              ~~mandatory~~Current
      DESCRIPTION       "
          Description for mibCtl Type 208 PAModuleAddressType :
```

```
            Base station power amplifier component module address.

            A power amplifier module address is a subset of Base Station
            component addresses,
            [Limits: 0 2 ]
        Type derived from mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
    "
    ::= { _625k-MCPAModuleTableEntry 2 }


_625k-MCPowerSupply                     OBJECT IDENTIFIER
    -- DESCRIPTION       "Power supply"
    ::= { _625k-MCMiscComponents 9 }



_625k-MCPowerSupplyTable                OBJECT-TYPE
    SYNTAX SEQUENCE OF _625k-MCPowerSupplyTableEntry
    ACCESSMAX-ACCESS            not-accessible
    STATUS              mandatoryCurrent
    DESCRIPTION       "Power supply Table"
    ::= { _625k-MCPowerSupply 1 }


_625k-MCPowerSupplyTableEntry           OBJECT-TYPE
    SYNTAX            _625k-MCPowerSupplyTableEntry
    ACCESSMAX-ACCESS            not-accessible
    STATUS              mandatoryCurrent
    DESCRIPTION       ""
    INDEX  { _625k-MCPowerSupplyTableIndex }
    ::= { _625k-MCPowerSupplyTable 1 }

_625k-MCPowerSupplyTableEntry ::= SEQUENCE {
   _625k-MCPowerSupplyTableIndex          INTEGER, -- PowerAddressType
   _625k-MCStateOfPowerSupply             INTEGER, -- ComponentStateType
   _625k-MCPowerSupplyIndication          INTEGER -- IndicationType
    }


_625k-MCPowerSupplyTableIndex           OBJECT-TYPE
    SYNTAX            INTEGER -- PowerAddressType
    ACCESSMAX-ACCESS            read-only
    STATUS              mandatoryCurrent
    DESCRIPTION       "
        Description for mibCtl Type 211 PowerAddressType :
            Component power supply address.
            [Limits: 0 2 ]
        Type derived from mibCtl Type 14 Unsigned32Type :
            32 bit unsigned integer.
        Type derived from mibCtl Type 11 Word32Type :
            32 bits of raw opaque data.
        Derived from basic 32 bit word type.
    "
    ::= { _625k-MCPowerSupplyTableEntry 1 }


_625k-MCStateOfPowerSupply              OBJECT-TYPE
    SYNTAX            INTEGER -- ComponentStateType
    ACCESSMAX-ACCESS            read-only
```

```
    STATUS              mandatoryCurrent
    DESCRIPTION
        "State of Power supply as a whole.


        (From mibCtl ElementType 213 StateOfPowerSupply)
        Description for mibCtl Type 71 ComponentStateType :
            Component operational state.

            A component begins in the Unknown state.
            If not detected, it enters and remains in the NotPresent state.
            If detected, it enters the Uninitialized state, from where it
            may go to the Testing and Initializing states and then to the
            Standby or Operating state depending upon permissions.
            Due to loss of permissions or resources, it may revert from
            the Operating state to the Standby state.
            Due to failure or loss of permission, it may revert to the
            Uninitialized state, perhaps by way of the ShuttingDown state
            depending on the device.
            From the Uninitialized state it may return to more advanced
            states depending upon permissions.
            In case of a waiting period before (again) initializing,
            the component is considered to be Initializing.

            Permissions include administrative permissions (from the
            operator); excessive failure restrictions; etc.
        Description for mibCtl ComponentStateType 0 Unknown :
            Component state not known.
        Description for mibCtl ComponentStateType 1 NotPresent :
            Component is not present.
        Description for mibCtl ComponentStateType 2 PowerOff :
            Component is present but powered off.
        Description for mibCtl ComponentStateType 3 Uninitialized :
            Component is present but not in use.

            The power on/off state of the component is not specified in
            this case.
        Description for mibCtl ComponentStateType 4 Testing :
            Component is being tested.
        Description for mibCtl ComponentStateType 5 Initializing :
            Component is being initialized.
        Description for mibCtl ComponentStateType 6 Ready :
            Component is ready but not operating.
        Description for mibCtl ComponentStateType 7 Operating :
            Component is operating for normal use without restriction.

            The component is either in actual use or may be used at any time,
            without restriction.
        Description for mibCtl ComponentStateType 8 Abandoned :
            Component state is not the desired state due to excessive errors.

            The component state is not that desired, and the Base Station
            software has abandoned attempts to place the component in
            the desired state.
            The actual state of the component is undefined.
            The Base Station software will resume attempting to place the
            component in the desired state if the appropriate Reinitialize
            action element is written with the correct value.
            Also, the software may resume attempts under other conditions,
            not all of which may be documented.
        Description for mibCtl ComponentStateType 9 InitialSetUp :
            Component is initial set up..

            Initial set up state.
        Description for mibCtl ComponentStateType 10 Degrading :
            Component is degrading..

            Degrading state.
```

```
            Description for mibCtl ComponentStateType 11 Restriction :
                Component is restriction..

                Restriction state.
            "
        ::= { _625k-MCPowerSupplyTableEntry 2 }


    _625k-MCPowerSupplyIndication           OBJECT-TYPE
        SYNTAX              INTEGER -- IndicationType
        ~~ACCESS~~MAX-ACCESS              read-only
        STATUS              ~~mandatory~~Current
        DESCRIPTION
            "Status of Power Supply indicator.



            (From mibCtl ElementType 527 PowerSupplyIndication)
            Description for mibCtl Type 230 IndicationType :
                Hardware indication status (LEDs).


            Description for mibCtl IndicationType 0 Off :
                Off.
            Description for mibCtl IndicationType 1 Amber :
                Amber.
            Description for mibCtl IndicationType 2 Red :
                Red.
            Description for mibCtl IndicationType 3 Green :
                Green.
            Description for mibCtl IndicationType 4 NotPresent :
                Not present.
            "
        ::= { _625k-MCPowerSupplyTableEntry 3 }


    END
```

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