|  |  |
| --- | --- |
| Project | **IEEE 802.21.1 Media Independent Services**  **<**[**http://www.ieee802.org/21/**](http://www.ieee802.org/21/)**>** |
| Title | **Suggested remedy for Cmt #178 of LB#8** |
| DCN | **21-15-00-0023-00-REVP** |
| Date Submitted | **January 29, 2016** |
| Source(s) | Yoshikazu Hanatani (Toshiba), Yoshihiro Ohba (Toshiba Electronics Asia) |
| Re: | IEEE 802.21m and IEEE 802.21.1 joint teleconference |
| Abstract | This contribution proposes an update of the IEEE 802.21 MIB. |
| Purpose | Suggested remedy for Cmt #178 in LB8. |
| Notice | This document has been prepared to assist the IEEE 802.21 Working Group. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein. |
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| Patent Policy | The contributor is familiar with IEEE patent policy, as stated in [Section 6 of the IEEE-SA Standards Board bylaws](http://standards.ieee.org/guides/opman/sect6.html#6.3) <[http://standards.ieee.org/guides/bylaws/sect6-7.html#6](http://127.0.0.1:4664/cache?event_id=757737&schema_id=1&s=5X0vID10lu_E6yrIkWkNd4Wz2H8&q=hancock)> and in *Understanding Patent Issues During IEEE Standards Development* <http://standards.ieee.org/board/pat/faq.pdf> |

**Comment**: Some MIB fields that are the same as 802.21-2008 MIB need to be updated, such as Editor, REVISION, REFERENCE,

**Suggested remedy:**

Change the MIB as follows.

Note 1:

“201X” shall be changed to an appropriate year when the year in which specifications will be issued is determined.

Note 2:

The updated MIB passed a verification of following site.

http://www.simpleweb.org/ietf/mibs/validate/

**I.2 IEEE 802.21 MIB definition**

IEEE802dot21-MIB DEFINITIONS ::= BEGIN

IMPORTS

MODULE-IDENTITY, OBJECT-TYPE, Unsigned32 FROM SNMPv2-SMI

MODULE-COMPLIANCE, OBJECT-GROUP FROM SNMPv2-CONF

TEXTUAL-CONVENTION, TruthValue FROM SNMPv2-TC;

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-- \* MODULE IDENTITY

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ieee802dot21 MODULE-IDENTITY

LAST-UPDATED "201601292200Z"

ORGANIZATION "IEEE 802.21"

CONTACT-INFO

"WG E-mail: stds-802-21@ieee.org

Chair: Subir Das

Advanced Communication Sciences

E-mail: sdas@appcomsci.com

Editor: Yoshikazu Hanatani

E-mail: yoshikazu.hanatani@toshiba.co.jp"

DESCRIPTION

"The MIB module for IEEE 802.21 entities.

iso(1).std(0).iso8802(8802).ieee802dot21(21)"

REVISION "201601292200Z"

DESCRIPTION

"The latest version of this MIB module."

::= { iso std(0) iso8802(8802) ieee802dot21(21) }

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-- \* Textual Conventions

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Dot21MisfID ::= TEXTUAL-CONVENTION

DISPLAY-HINT "253a"

STATUS current

DESCRIPTION

"The MISF ID of an MIS node."

REFERENCE "IEEE Std 802.21, 201X Edition, E.3.11"

SYNTAX OCTET STRING (SIZE(0..253))

Dot21LinkType ::= TEXTUAL-CONVENTION

DISPLAY-HINT "d"

STATUS current

DESCRIPTION

"This attribute represents the type of a link."

REFERENCE "IEEE Std 802.21, 201X Edition, E.3.4 and IEEE Std 802.21.1, 201X Edition, Table E.2"

SYNTAX Unsigned32 (0..255)

Dot21NetworkSubtype ::= TEXTUAL-CONVENTION

DISPLAY-HINT "8x"

STATUS current

DESCRIPTION

"This attribute represents the network subtype of a link."

REFERENCE "IEEE Std 802.21, 201X Edition, E.3.8 and IEEE Std 802.21.1, 201X Edition, Table E.4"

SYNTAX OCTET STRING (SIZE(0..8))

Dot21NetworkTypeExtension ::= TEXTUAL-CONVENTION

DISPLAY-HINT "253a"

STATUS current

DESCRIPTION

"This attribute represents a network type extension."

REFERENCE "IEEE Std 802.21, 201X Edition, E.3.8"

SYNTAX OCTET STRING (SIZE(0..253))

Dot21EventList ::= TEXTUAL-CONVENTION

STATUS current

DESCRIPTION

"This attribute represents a list of supported events."

REFERENCE "IEEE Std 802.21, 201X Edition, E.3.12"

SYNTAX BITS

{ misLinkDetected(0),

misLinkUp(1),

misLinkDown(2),

misLinkParametersReport(3),

misLinkGoingDown(4),

misLinkHandoverImminent(5),

misLinkHandoverComplete(6),

misLinkPDUTransmitStatus(7) }

Dot21CommandList ::= TEXTUAL-CONVENTION

STATUS current

DESCRIPTION

"This attribute represents a list of supported commands."

REFERENCE "IEEE Std 802.21, 201X Edition, E.3.12 and IEEE Std 802.21.1, 201X Edition, Table E.6"

SYNTAX BITS

{ misGetLinkParameters(0),

misLinkConfigureThresholds(1),

misLinkActions(2),

misNetworkHandoverCommands(3),

misMobileHandoverCommands(4),

misSingleRadioHandoverCommands(5) }

Dot21ISQueryTypeList ::= TEXTUAL-CONVENTION

STATUS current

DESCRIPTION

" This attribute will be a set of supported MIS IS query types."

REFERENCE "IEEE Std 802.21, 201X Edition, E.3.12 and IEEE Std 802.21.1, 201X Edition, Table E.6"

SYNTAX BITS

{ binary(0),

rdfData(1),

rdfSchemaUrl(2),

rdfSchema(3),

typeIeNetworkType(4),

typeIeOperatorIdentifier(5),

typeIeServiceProviderIdentifier(6),

typeIeCountryCode(7),

typeIeNetworkIdentifier(8),

typeIeNetworkAuxiliaryIdentifier(9),

typeIeRoamingPartners(10),

typeIeCost(11),

typeIeNetworkQos(12),

typeIeNetworkDataRate(13),

typeIeNetworkRegulatoryDomain(14),

typeIeNetworkFrequencyBands(15),

typeIeNetworkIpConfigurationMethods(16),

typeIeNetworkCapabilities(17),

typeIeNetworkSupportedLcp(18),

typeIeNetworkMobilityManagementProtocol(19),

typeIeNetworkEmergencyServiceProxy(20),

typeIeNetworkImsProxyCscf(21),

typeIeNetworkMobileNetwork(22),

typeIePoaLinkAddress(23),

typeIePoaLocation(24),

typeIePoaChannelRange(25),

typeIePoaSystemInformation(26),

typeIePoaSubnetInformation(27),

typeIePoaIpAddress(28),

typeIeAuthenticatorLinkAddress (29),

typeIeAuthenticatorIPAddress (30),

typeIePosIpAddress (31),

typeIeTunnMgmtPrto (32),

typeIePosNai (33)

**}**

Dot21TransportList ::= TEXTUAL-CONVENTION

STATUS current

DESCRIPTION

" This attribute will be a set of supported MIS transports."

REFERENCE "IEEE Std 802.21, 201X Edition, E.3.12"

SYNTAX BITS { udp(0), tcp(1) }

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-- \* Major sections

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-- MIS Function Management (MISMT) Attributes

-- DEFINED AS "The MISMT object class provides the necessary support

-- at the MISF to manage the processes in the station such that

-- the MISF can work cooperatively as a part of an IEEE 802.21

-- network."

dot21mismt OBJECT IDENTIFIER ::= { ieee802dot21 1 }

-- dot21mismt GROUPS

-- dot21LocalMisfTable ::= { dot21mismt 1 }

-- dot21PeerMisfTable ::= { dot21mismt 2 }

-- dot21MbbHandoverSupportTable ::= { dot21mismt 3 }

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-- \* MIB attribute OBJECT-TYPE definitions follow

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

--

-- Local MISF Table

--

dot21LocalMisfTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot21LocalMisfEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"The table of local MISFs. The MIS MIB allows to have more than one local MISFs per SNMP engine."

::={ dot21mismt 1 }

dot21LocalMisfEntry OBJECT-TYPE

SYNTAX Dot21LocalMisfEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"The value contains information associated with a particular local MISF. In most cases, there will be only one local MISF on a node."

INDEX { dot21LocalMisfIndex }

::={ dot21LocalMisfTable 1}

Dot21LocalMisfEntry ::=

SEQUENCE{

dot21LocalMisfIndex Unsigned32,

dot21LocalMisfID Dot21MisfID,

dot21LocalEventList Dot21EventList,

dot21LocalCommandList Dot21CommandList,

dot21LocalISQueryTypeList Dot21ISQueryTypeList,

dot21LocalTransportList Dot21TransportList,

dot21LocalVersion Unsigned32,

dot21LocalMaxTransactionLifetime Unsigned32,

dot21LocalMaxRetransmissionIntvl Unsigned32,

dot21LocalMaxRetransmissionCntr Unsigned32,

dot21LocalMaxAvgTransmissionRate Unsigned32,

dot21LocalMaxBurstSize Unsigned32,

dot21LocalFragmentationThreshold Unsigned32,

dot21LocalReassemblyTimeout Unsigned32

}

dot21LocalMisfIndex OBJECT-TYPE

SYNTAX Unsigned32(0..2147483647)

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index of local MISF table."

::= { dot21LocalMisfEntry 1 }

dot21LocalMisfID OBJECT-TYPE

SYNTAX Dot21MisfID

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The MISF ID of this node."

REFERENCE "IEEE Std 802.21, 201X Edition, E.3.11"

::={ dot21LocalMisfEntry 2 }

dot21LocalEventList OBJECT-TYPE

SYNTAX Dot21EventList

MAX-ACCESS read-only

STATUS current

DESCRIPTION

" This attribute will be a set of all the MIS events supported by this MIS node."

DEFVAL { {} }

::={ dot21LocalMisfEntry 3 }

dot21LocalCommandList OBJECT-TYPE

SYNTAX Dot21CommandList

MAX-ACCESS read-only

STATUS current

DESCRIPTION

" This attribute will be a set of all the MIS commands supported by this MIS node."

DEFVAL { {} }

::={ dot21LocalMisfEntry 4 }

dot21LocalISQueryTypeList OBJECT-TYPE

SYNTAX Dot21ISQueryTypeList

MAX-ACCESS read-only

STATUS current

DESCRIPTION

" This attribute will be a set of MIS IS query types supported by this MIS node."

DEFVAL { {} }

::={ dot21LocalMisfEntry 5 }

dot21LocalTransportList OBJECT-TYPE

SYNTAX Dot21TransportList

MAX-ACCESS read-only

STATUS current

DESCRIPTION

" This attribute will be a set of MIS transports supported by this MIS node."

DEFVAL { {} }

::={ dot21LocalMisfEntry 6 }

dot21LocalVersion OBJECT-TYPE

SYNTAX Unsigned32 (1..15)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The MIS protocol version supported by this MISF."

DEFVAL { 1 }

::={ dot21LocalMisfEntry 7 }

dot21LocalMaxTransactionLifetime OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The maximum time in seconds for an MIS protocol transaction."

DEFVAL { 30 }

::={ dot21LocalMisfEntry 8 }

dot21LocalMaxRetransmissionIntvl OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The maximum time in seconds for retransmitting an MIS message."

DEFVAL { 10 }

::={ dot21LocalMisfEntry 9 }

dot21LocalMaxRetransmissionCntr OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The maximum number of retransmission retries for MIS messages."

DEFVAL { 2 }

::={ dot21LocalMisfEntry 10 }

dot21LocalMaxAvgTransmissionRate OBJECT-TYPE

SYNTAX Unsigned32 (0..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The maximum number of MIS messages can be transmitted per second on this node. If the value is 0, no

limitation is set."

DEFVAL { 0 }

::={ dot21LocalMisfEntry 11 }

dot21LocalMaxBurstSize OBJECT-TYPE

SYNTAX Unsigned32 (0..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

" The maximum number of octets transmitted in a burst. If the value is 0, no limitation is set."

DEFVAL { 0 }

::={ dot21LocalMisfEntry 12 }

dot21LocalFragmentationThreshold OBJECT-TYPE

SYNTAX Unsigned32 (8..65535)

MAX-ACCESS read-write

STATUS current

DESCRIPTION "The value for aFragmentationThreshold on this node."

DEFVAL { 1500 }

::={ dot21LocalMisfEntry 13 }

dot21LocalReassemblyTimeout OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION "The timeout value for ReassemblyTimer."

DEFVAL { 5 }

::={ dot21LocalMisfEntry 14 }

--

-- The Peer MISF Table

--

dot21PeerMisfTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot21PeerMisfEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"The table of MISF known by this MISF."

::={ dot21mismt 2 }

dot21PeerMisfEntry OBJECT-TYPE

SYNTAX Dot21PeerMisfEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Details of a specific MISF peer."

INDEX {dot21PeerMisfIndex}

::= { dot21PeerMisfTable 1 }

Dot21PeerMisfEntry ::=

SEQUENCE {

dot21PeerMisfIndex Unsigned32,

dot21PeerMisfID Dot21MisfID,

dot21PeerLocalMisfID Dot21MisfID,

dot21PeerEventList Dot21EventList,

dot21PeerCommandList Dot21CommandList,

dot21PeerISQueryTypeList Dot21ISQueryTypeList,

dot21PeerTransportList Dot21TransportList,

dot21PeerTransportType INTEGER,

dot21PeerVersion Unsigned32,

dot21PeerMaxTransactionLifetime Unsigned32,

dot21PeerMaxRetransmissionIntvl Unsigned32,

dot21PeerMaxRetransmissionCntr Unsigned32,

dot21PeerMaxAvgTransmissionRate Unsigned32,

dot21PeerMaxBurstSize Unsigned32,

dot21PeerFragmentationThreshold Unsigned32,

dot21PeerReassemblyTimeout Unsigned32

}

dot21PeerMisfIndex OBJECT-TYPE

SYNTAX Unsigned32(0..2147483647)

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index of peer MISF table."

::= { dot21PeerMisfEntry 1 }

dot21PeerMisfID OBJECT-TYPE

SYNTAX Dot21MisfID

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The MISF ID of a peer MIS node."

::={ dot21PeerMisfEntry 2 }

dot21PeerLocalMisfID OBJECT-TYPE

SYNTAX Dot21MisfID

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The MISF ID of the local MIS node for this peer MIS node."

::={ dot21PeerMisfEntry 3 }

dot21PeerEventList OBJECT-TYPE

SYNTAX Dot21EventList

MAX-ACCESS read-only

STATUS current

DESCRIPTION

" This attribute will be a set of all the MIS events supported by peer MIS node."

DEFVAL { {} }

::={ dot21PeerMisfEntry 4 }

dot21PeerCommandList OBJECT-TYPE

SYNTAX Dot21CommandList

MAX-ACCESS read-only

STATUS current

DESCRIPTION

" This attribute will be a set of all the MIS commands supported by peer MIS node."

DEFVAL { {} }

::={ dot21PeerMisfEntry 5 }

dot21PeerISQueryTypeList OBJECT-TYPE

SYNTAX Dot21ISQueryTypeList

MAX-ACCESS read-only

STATUS current

DESCRIPTION

" This attribute will be a set of MIS IS query types supported by peer MIS node."

DEFVAL { {} }

::={ dot21PeerMisfEntry 6 }

dot21PeerTransportList OBJECT-TYPE

SYNTAX Dot21TransportList

MAX-ACCESS read-only

STATUS current

DESCRIPTION

" This attribute will be a set of MIS transports supported by peer MIS node."

DEFVAL { {} }

::={ dot21PeerMisfEntry 7 }

dot21PeerTransportType OBJECT-TYPE

SYNTAX INTEGER { layerTwo(2), layerThree(3) }

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This value should be set for the MIS protocol layer used for transmitting MIS messages."

DEFVAL { layerTwo }

::= {dot21PeerMisfEntry 8 }

dot21PeerVersion OBJECT-TYPE

SYNTAX Unsigned32 (1..15)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The MIS protocol version supported by peer MISF. The default version is 1."

DEFVAL { 1 }

::={ dot21PeerMisfEntry 9 }

dot21PeerMaxTransactionLifetime OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The maximum time in seconds for an MIS protocol transaction used for a particular peer MISF."

DEFVAL { 30 }

::={ dot21PeerMisfEntry 10 }

dot21PeerMaxRetransmissionIntvl OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The maximum time in seconds for retransmitting an MIS message used for a particular peer MISF."

DEFVAL { 10 }

::={ dot21PeerMisfEntry 11 }

dot21PeerMaxRetransmissionCntr OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The maximum number of retransmission retries for MIS messages used for a particular peer MISF."

DEFVAL { 2 }

::={ dot21PeerMisfEntry 12 }

dot21PeerMaxAvgTransmissionRate OBJECT-TYPE

SYNTAX Unsigned32 (0..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The maximum number of MIS messages can be transmitted per second on this node for a particular peer MISF.

If the value is 0, no limitation is set."

DEFVAL { 0 }

::={ dot21PeerMisfEntry 13 }

dot21PeerMaxBurstSize OBJECT-TYPE

SYNTAX Unsigned32 (0..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The maximum number of octets transmitted in a burst. If the value is 0, no limitation is set."

DEFVAL { 0 }

::={ dot21PeerMisfEntry 14 }

dot21PeerFragmentationThreshold OBJECT-TYPE

SYNTAX Unsigned32 (8..65535)

MAX-ACCESS read-write

STATUS current

DESCRIPTION "The value for aFragmentationThreshold used for this peer MIS node."

DEFVAL { 1500 }

::={ dot21PeerMisfEntry 15 }

dot21PeerReassemblyTimeout OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION "The timeout value for ReassemblyTimer used for this peer MIS node."

DEFVAL { 5 }

::={ dot21PeerMisfEntry 16 }

--

-- The Make-Before-Break Handover Support Table

--

dot21MbbHandoverSupportTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot21MbbHandoverSupportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"The table of make-before-break handover support entries."

::={ dot21mismt 4 }

dot21MbbHandoverSupportEntry OBJECT-TYPE

SYNTAX Dot21MbbHandoverSupportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"The value contains information associated with a particular MBB support."

INDEX { dot21MbbHandoverSupportIndex }

::={ dot21MbbHandoverSupportTable 1 }

Dot21MbbHandoverSupportEntry ::=

SEQUENCE{

dot21MbbHandoverSupportIndex Unsigned32,

dot21FromLinkType Dot21LinkType,

dot21FromNetworkSubtype Dot21NetworkSubtype,

dot21FromNetworkTypeExtension Dot21NetworkTypeExtension,

dot21ToLinkType Dot21LinkType,

dot21ToNetworkSubtype Dot21NetworkSubtype,

dot21ToNetworkTypeExtension Dot21NetworkTypeExtension,

dot21IsMbbSupported TruthValue

}

dot21MbbHandoverSupportIndex OBJECT-TYPE

SYNTAX Unsigned32(0..2147483647)

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index of make-before-break handover support table."

::= { dot21MbbHandoverSupportEntry 1 }

dot21FromLinkType OBJECT-TYPE

SYNTAX Dot21LinkType

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This attribute represents the link type of serving link."

DEFVAL { 0 }

::={ dot21MbbHandoverSupportEntry 2 }

dot21FromNetworkSubtype OBJECT-TYPE

SYNTAX Dot21NetworkSubtype

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This attribute represents the network subtype of serving link."

DEFVAL { ''H }

::={ dot21MbbHandoverSupportEntry 3 }

dot21FromNetworkTypeExtension OBJECT-TYPE

SYNTAX Dot21NetworkTypeExtension

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This attribute represents the network type extension of serving link."

DEFVAL { ''H }

::={ dot21MbbHandoverSupportEntry 4 }

dot21ToLinkType OBJECT-TYPE

SYNTAX Dot21LinkType

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This attribute represents the link type of target link."

DEFVAL { 0 }

::={ dot21MbbHandoverSupportEntry 5 }

dot21ToNetworkSubtype OBJECT-TYPE

SYNTAX Dot21NetworkSubtype

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This attribute represents the network subtype of target link."

DEFVAL { ''H }

::={ dot21MbbHandoverSupportEntry 6 }

dot21ToNetworkTypeExtension OBJECT-TYPE

SYNTAX Dot21NetworkTypeExtension

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This attribute represents the network type extension of target link."

DEFVAL { ''H }

::={ dot21MbbHandoverSupportEntry 7 }

dot21IsMbbSupported OBJECT-TYPE

SYNTAX TruthValue

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This attribute indicates whether make-before-break handover is supported. A value of true indicates that make-before-break handover is supported. A value of FALSE indicates that make-before-break handover is not supported."

::={ dot21MbbHandoverSupportEntry 8 }

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-- \* Conformance Information

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

dot21Conformance OBJECT IDENTIFIER ::= { ieee802dot21 2 }

dot21Groups OBJECT IDENTIFIER ::= { dot21Conformance 1 }

dot21Compliances OBJECT IDENTIFIER ::= { dot21Conformance 2 }

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

-- \* Compliance Statements

-- \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

dot21Compliance MODULE-COMPLIANCE

STATUS current

DESCRIPTION

"The compliance statement for SNMPv2 entities that implement the IEEE 802.21 MIB."

MODULE -- this module

MANDATORY-GROUPS {

dot21MismtBase1

}

::= { dot21Compliances 1 }

dot21MismtBase1 OBJECT-GROUP

OBJECTS {

dot21LocalMisfID,

dot21LocalEventList,

dot21LocalCommandList,

dot21LocalISQueryTypeList,

dot21LocalTransportList,

dot21LocalVersion,

dot21LocalMaxTransactionLifetime,

dot21LocalMaxRetransmissionIntvl,

dot21LocalMaxRetransmissionCntr,

dot21LocalMaxAvgTransmissionRate,

dot21LocalMaxBurstSize,

dot21LocalFragmentationThreshold,

dot21LocalReassemblyTimeout,

dot21PeerMisfID,

dot21PeerLocalMisfID,

dot21PeerEventList,

dot21PeerCommandList,

dot21PeerISQueryTypeList,

dot21PeerTransportList,

dot21PeerTransportType,

dot21PeerVersion,

dot21PeerMaxTransactionLifetime,

dot21PeerMaxRetransmissionIntvl,

dot21PeerMaxRetransmissionCntr,

dot21PeerMaxAvgTransmissionRate,

dot21PeerMaxBurstSize,

dot21PeerFragmentationThreshold,

dot21PeerReassemblyTimeout,

dot21FromLinkType,

dot21FromNetworkSubtype,

dot21FromNetworkTypeExtension,

dot21ToLinkType,

dot21ToNetworkSubtype,

dot21ToNetworkTypeExtension,

dot21IsMbbSupported

}

STATUS current

DESCRIPTION

"This object class provides the necessary support at the MIS node to manage the processes in the MIS node, so that the MIS node may work cooperatively as a part of an IEEE 802.21 network."

::= { dot21Groups 1 }

END