|  |  |
| --- | --- |
| Project | **IEEE 802.21a** **<https://mentor.ieee.org/802.21>** |
| Title | **MIB Update for 802.21a** |
| DCN | 21-10-0082-00-0sec |
| Date Submitted |  |
| Source(s) | Yoshihiro Ohba (Toshiba) |
| Re: |  |
| Abstract | This document contains required changes to MIB to support 802.21a. |
| Purpose | Proposes changes in the current draft |
| 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. |
| Release | The contributor grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE’s name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE’s sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that IEEE 802.21 may make this contribution public. |
| 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#_blank) <[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#_blank)> and in *Understanding Patent Issues During IEEE Standards Development* [http://standards.ieee.org/board/pat/faq.pdf](http://standards.ieee.org/board/pat/faq.pdf#_blank) |

# Proposal

Replace Annex H as follows.

**J.2 IEEE 802.21 MIB definition (normative)**

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 "~~200806041455Z~~201105161205Z"

ORGANIZATION "IEEE 802.21"

CONTACT-INFO

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

Chair: ~~Vivek G. Gupta~~Subir Das

~~Intel Corporation~~Telcordia Technologies

E-mail: mailto:~~vivek.g.gupta@intel.com~~subir@research.telcordia.com

Editor: ~~Qiaobing Xie~~David Cypher

E-mail: ~~Qiaobing.Xie@MOTOROLA.COM~~david.cypher@nist.gov"

DESCRIPTION

"The MIB module for IEEE 802.21 entities.

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

REVISION "200806041455Z201105161205Z"

DESCRIPTION

"The latest version of this MIB module."

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

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

-- \* Textual Conventions

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

Dot21MihfID ::= TEXTUAL-CONVENTION

DISPLAY-HINT "253a"

STATUS current

DESCRIPTION

"The MIHF ID of an MIH node."

REFERENCE "IEEE Std 802.21, 2008 Edition, F.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, 2008 Edition, F.3.4"

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, 2008 Edition, F.3.8"

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, 2008 Edition, F.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, 2008 Edition, F.3.12"

SYNTAX BITS

{ mihLinkDetected(0),

mihLinkUp(1),

mihLinkDown(2),

mihLinkParametersReport(3),

mihLinkGoingDown(4),

mihLinkHandoverImminent(5),

mihLinkHandoverComplete(6),

mihLinkPDUTransmitStatus(7) }

Dot21CommandList ::= TEXTUAL-CONVENTION

STATUS current

DESCRIPTION

"This attribute represents a list of supported commands."

REFERENCE "IEEE Std 802.21a~~, 2008 Edition~~, F.3.12"

SYNTAX BITS

{ mihGetLinkParameters(0),

mihLinkConfigureThresholds(1),

mihLinkActions(2),

mihNetworkHandoverCommands(3),

mihMobileHandoverCommands(4) }

Dot21ISQueryTypeList ::= TEXTUAL-CONVENTION

STATUS current

DESCRIPTION

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

REFERENCE "IEEE Std 802.21, 2008 Edition, F.3.12"

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),

typeIeAutheticatorIpAddress(30),

typeIePosIpAddress(31) }

Dot21TransportList ::= TEXTUAL-CONVENTION

STATUS current

DESCRIPTION

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

REFERENCE "IEEE Std 802.21, 2008 Edition, F.3.12"

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

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

-- \* Major sections

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

-- MIH Function Management (MIHMT) Attributes

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

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

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

-- network."

dot21mihmt OBJECT IDENTIFIER ::= { ieee802dot21 1 }

-- dot21mihmt GROUPS

-- dot21LocalMihfTable ::= { dot21mihmt 1 }

-- dot21PeerMihfTable ::= { dot21mihmt 2 }

-- dot21MbbHandoverSupportTable ::= { dot21mihmt 3 }

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

-- \* MIB attribute OBJECT-TYPE definitions follow

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

--

-- Local MIHF Table

--

dot21LocalMihfTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot21LocalMihfEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"The table of local MIHFs. The MIH MIB allows to have more than one local MIHFs

per SNMP engine."

::={ dot21mihmt 1 }

dot21LocalMihfEntryOBJECT-TYPE

SYNTAX Dot21LocalMihfEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"The value contains information associated with a particular local MIHF. In most

cases, there will be only one local MIHF on a node."

INDEX { dot21LocalMihfIndex }

::={ dot21LocalMihfTable 1}

Dot21LocalMihfEntry ::=

SEQUENCE{

dot21LocalMihfIndex Unsigned32,

dot21LocalMihfID Dot21MihfID,

dot21LocalEventList Dot21EventList,

dot21LocalCommandList Dot21CommandList,

dot21LocalISQueryTypeList Dot21ISQueryTypeList,

dot21LocalTransportList Dot21TransportList,

dot21LocalVersion Unsigned32,

dot21LocalMaxTransactionLifetime Unsigned32,

dot21LocalMaxRetransmissionIntvl Unsigned32,

dot21LocalMaxRetransmissionCntr Unsigned32,

dot21LocalMaxAvgTransmissionRate Unsigned32,

dot21LocalMaxBurstSize Unsigned32,

dot21LocalFragmentationThreshold Unsigned32,

dot21LocalReassemblyTimeout Unsigned32

}

dot21LocalMihfIndex OBJECT-TYPE

SYNTAX Unsigned32(0..2147483647)

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index of local MIHF table."

::= { dot21LocalMihfEntry 1 }

dot21LocalMihfID OBJECT-TYPE

SYNTAX Dot21MihfID

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The MIHF ID of this node."

REFERENCE "IEEE Std 802.21, 2008 Edition, F.3.11"

::={ dot21LocalMihfEntry 2 }

dot21LocalEventList OBJECT-TYPE

SYNTAX Dot21EventList

MAX-ACCESS read-only

STATUS current

DESCRIPTION

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

DEFVAL { {} }

::={ dot21LocalMihfEntry 3 }

dot21LocalCommandList OBJECT-TYPE

SYNTAX Dot21CommandList

MAX-ACCESS read-only

STATUS current

DESCRIPTION

" This attribute will be a set of all the MIH commands supported by this MIH

node."

DEFVAL { {} }

::={ dot21LocalMihfEntry 4 }

dot21LocalISQueryTypeList OBJECT-TYPE

SYNTAX Dot21ISQueryTypeList

MAX-ACCESS read-only

STATUS current

DESCRIPTION

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

DEFVAL { {} }

::={ dot21LocalMihfEntry 5 }

dot21LocalTransportList OBJECT-TYPE

SYNTAX Dot21TransportList

MAX-ACCESS read-only

STATUS current

DESCRIPTION

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

DEFVAL { {} }

::={ dot21LocalMihfEntry 6 }

dot21LocalVersion OBJECT-TYPE

SYNTAX Unsigned32 (1..15)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The MIH protocol version supported by this MIHF."

DEFVAL { 1 }

::={ dot21LocalMihfEntry 7 }

dot21LocalMaxTransactionLifetime OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

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

DEFVAL { 30 }

::={ dot21LocalMihfEntry 8 }

dot21LocalMaxRetransmissionIntvl OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

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

DEFVAL { 10 }

::={ dot21LocalMihfEntry 9 }

dot21LocalMaxRetransmissionCntr OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

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

DEFVAL { 2 }

::={ dot21LocalMihfEntry 10 }

dot21LocalMaxAvgTransmissionRate OBJECT-TYPE

SYNTAX Unsigned32 (0..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The maximum number of MIH messages can be transmitted per second on this node.

If the value is 0, no

limitation is set."

DEFVAL { 0 }

::={ dot21LocalMihfEntry 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 }

::={ dot21LocalMihfEntry 12 }

dot21LocalFragmentationThreshold OBJECT-TYPE

SYNTAX Unsigned32 (8..65535)

MAX-ACCESS read-write

STATUS current

DESCRIPTION "The value for aFragmentationThreshold on this node."

DEFVAL { 1500 }

::={ dot21LocalMihfEntry 13 }

dot21LocalReassemblyTimeout OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION "The timeout value for ReassemblyTimer."

DEFVAL { 5 }

::={ dot21LocalMihfEntry 14 }

--

-- The Peer MIHF Table

--

dot21PeerMihfTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot21PeerMihfEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"The table of MIHF known by this MIHF."

::={ dot21mihmt 2 }

dot21PeerMihfEntryOBJECT-TYPE

SYNTAX Dot21PeerMihfEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Details of a specific MIHF peer."

INDEX {dot21PeerMihfIndex}

::= { dot21PeerMihfTable 1 }

Dot21PeerMihfEntry ::=

SEQUENCE {

dot21PeerMihfIndex Unsigned32,

dot21PeerMihfIDDot21MihfID,

dot21PeerLocalMihfID Dot21MihfID,

dot21PeerEventList Dot21EventList,

dot21PeerCommandList Dot21CommandList,

dot21PeerISQueryTypeList Dot21ISQueryTypeList,

dot21PeerTransportList Dot21TransportList,

dot21PeerTransportTypeINTEGER,

dot21PeerVersion Unsigned32,

dot21PeerMaxTransactionLifetime Unsigned32,

dot21PeerMaxRetransmissionIntvl Unsigned32,

dot21PeerMaxRetransmissionCntr Unsigned32,

dot21PeerMaxAvgTransmissionRate Unsigned32,

dot21PeerMaxBurstSize Unsigned32,

dot21PeerFragmentationThreshold Unsigned32,

dot21PeerReassemblyTimeout Unsigned32

}

dot21PeerMihfIndex OBJECT-TYPE

SYNTAX Unsigned32(0..2147483647)

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index of peer MIHF table."

::= { dot21PeerMihfEntry 1 }

dot21PeerMihfID OBJECT-TYPE

SYNTAX Dot21MihfID

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The MIHF ID of a peer MIH node."

::={ dot21PeerMihfEntry 2 }

dot21PeerLocalMihfID OBJECT-TYPE

SYNTAX Dot21MihfID

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The MIHF ID of the local MIH node for this peer MIH node."

::={ dot21PeerMihfEntry 3 }

dot21PeerEventList OBJECT-TYPE

SYNTAX Dot21EventList

MAX-ACCESS read-only

STATUS current

DESCRIPTION

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

DEFVAL { {} }

::={ dot21PeerMihfEntry 4 }

dot21PeerCommandList OBJECT-TYPE

SYNTAX Dot21CommandList

MAX-ACCESS read-only

STATUS current

DESCRIPTION

" This attribute will be a set of all the MIH commands supported by peer MIH

node."

DEFVAL { {} }

::={ dot21PeerMihfEntry 5 }

dot21PeerISQueryTypeList OBJECT-TYPE

SYNTAX Dot21ISQueryTypeList

MAX-ACCESS read-only

STATUS current

DESCRIPTION

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

DEFVAL { {} }

::={ dot21PeerMihfEntry 6 }

dot21PeerTransportList OBJECT-TYPE

SYNTAX Dot21TransportList

MAX-ACCESS read-only

STATUS current

DESCRIPTION

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

DEFVAL { {} }

::={ dot21PeerMihfEntry 7 }

dot21PeerTransportType OBJECT-TYPE

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

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This value should be set for the MIH protocol layer used for transmitting MIH

messages."

DEFVAL { layerTwo }

::= {dot21PeerMihfEntry 8 }

dot21PeerVersion OBJECT-TYPE

SYNTAX Unsigned32 (1..15)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The MIH protocol version supported by peer MIHF. The default version is 1."

DEFVAL { 1 }

::={ dot21PeerMihfEntry 9 }

dot21PeerMaxTransactionLifetime OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The maximum time in seconds for an MIH protocol transaction used for a particular

peer MIHF."

DEFVAL { 30 }

::={ dot21PeerMihfEntry 10 }

dot21PeerMaxRetransmissionIntvl OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The maximum time in seconds for retransmitting an MIH message used for a particular

peer MIHF."

DEFVAL { 10 }

::={ dot21PeerMihfEntry 11 }

dot21PeerMaxRetransmissionCntr OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The maximum number of retransmission retries for MIH messages used for a particular

peer MIHF."

DEFVAL { 2 }

::={ dot21PeerMihfEntry 12 }

dot21PeerMaxAvgTransmissionRate OBJECT-TYPE

SYNTAX Unsigned32 (0..255)

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"The maximum number of MIH messages can be transmitted per second on this node

for a particular peer MIHF.

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

DEFVAL { 0 }

::={ dot21PeerMihfEntry 13 }

dot21PeerMaxBurstSize OBJECT-TYPE

SYNTAX Unsigned32 (0..255)

MAX-ACCESSread-write

STATUS current

DESCRIPTION

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

is set."

DEFVAL { 0 }

::={ dot21PeerMihfEntry 14 }

dot21PeerFragmentationThreshold OBJECT-TYPE

SYNTAX Unsigned32 (8..65535)

MAX-ACCESS read-write

STATUS current

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

DEFVAL { 1500 }

::={ dot21PeerMihfEntry 15 }

dot21PeerReassemblyTimeout OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-write

STATUS current

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

DEFVAL { 5 }

::={ dot21PeerMihfEntry 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."

::={ dot21mihmt 4 }

dot21MbbHandoverSupportEntryOBJECT-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 {

dot21MihmtBase1

}

::= { dot21Compliances 1 }

dot21MihmtBase1 OBJECT-GROUP

OBJECTS {

dot21LocalMihfID,

dot21LocalEventList,

dot21LocalCommandList,

dot21LocalISQueryTypeList,

dot21LocalTransportList,

dot21LocalVersion,

dot21LocalMaxTransactionLifetime,

dot21LocalMaxRetransmissionIntvl,

dot21LocalMaxRetransmissionCntr,

dot21LocalMaxAvgTransmissionRate,

dot21LocalMaxBurstSize,

dot21LocalFragmentationThreshold,

dot21LocalReassemblyTimeout,

dot21PeerMihfID,

dot21PeerLocalMihfID,

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 MIH node to manage the

processes in the MIH node, so that the MIH node may work cooperatively as a part

of an IEEE 802.21 network."

::= { dot21Groups 1 }

END