IEEE P802.11  
Wireless LANs

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| --- | --- | --- | --- | --- |
| 802.11 TGm Proposed Resolution for CIDs 12010 et al | | | | |
| Date: 2011-07-21 | | | | |
| Author(s): | | | | |
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|  |  |  |  |  |

Abstract

These comments were the result of the roll-in review of the TGv MIB. Joe Kwak reviewed the MIB after roll in and noted errors which the editor could not correct. Adrian submitted these comments on behalf of this reviewer. Changes for MIB text within this document are noted using MS Word Track Changes.

# The Comments

| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** |
| --- | --- | --- | --- | --- |
| 12010 | 1816.57 | C.3 | From Joe Kwak: Errors evident here. Need to list all 11n and 11v new statistics group IDs: #11-15 (11n) and #16(11v). | I suggest making this an open action item for Joe Kwak.  JK: suggested changed wording is below. |
| ???? | 1900.5 | C.3 | From Joe Kwak: Poor organisation of MIB sections. MIB section beginning on p1806 is supposed to contain RM and WNM MIBs for secondary management interface (old AnnexQ). All MIB items from P1900L5 to P1934L31 should be relocated to a more appropriate place within the Annex C MIB. | I suggest making this an open action item for Joe Kwak.  JK: suggested changed wording is below. |
| ???? | 1899.54 | C.3 | New RFC is listed in Annex C.2 as recommendation for MIB practices. Numerous 11v MIB variables do not follow C2 recs. | I suggest making this an open action item for Joe Kwak. This is a VERY LARGE set of changes. Joe will discuss with Adrian at SIN meeting. |

# Proposed resolution

Agree in principle to all. Make changes as indicated below, following the proposed changes listed above

# Discussion

When the change is not obvious, additional discussion items are included below for each listed CID.

# Residual Errors from MIB Compilation

Resolved all errors (approx 5) in MIB source code. Residual errors are normal, per editor.

While processing your request the following errors and/or warnings have been found:

/usr/local/share/mibs/ietf/SNMPv2-SMI:191: [2] {range-bounds} range limit exceeds underlying basetype

/usr/local/share/mibs/ietf/SNMPv2-SMI:191: [2] {range-exchanged} range limits must be `lower-bound .. upper-bound'

/usr/local/share/mibs/ietf/SNMPv2-SMI:196: [2] {range-bounds} range limit exceeds underlying basetype

/usr/local/share/mibs/ietf/SNMPv2-SMI:196: [2] {range-exchanged} range limits must be `lower-bound .. upper-bound'

/usr/local/share/mibs/ietf/SNMPv2-SMI:202: [2] {range-bounds} range limit exceeds underlying basetype

/usr/local/share/mibs/ietf/SNMPv2-SMI:202: [2] {range-exchanged} range limits must be `lower-bound .. upper-bound'

/usr/local/share/mibs/ietf/SNMPv2-SMI:207: [2] {range-bounds} range limit exceeds underlying basetype

/usr/local/share/mibs/ietf/SNMPv2-SMI:207: [2] {range-exchanged} range limits must be `lower-bound .. upper-bound'

/usr/local/share/mibs/ietf/SNMPv2-SMI:217: [2] {range-exchanged} range limits must be `lower-bound .. upper-bound'

/usr/local/share/mibs/ietf/SNMPv2-CONF:4: [2] {import-failed} identifier `ObjectSyntax' cannot be imported from module `SNMPv2-SMI'

/usr/local/share/mibs/ietf/IF-MIB:1112: [3] {index-element-no-size} index element `ifRcvAddressAddress' of row `ifRcvAddressEntry' must have a size restriction

Additional descriptions of some error/warning messages:

Error: index-element-no-size (level 3)

Message: index element `%s' of row `%s' must have a size restriction

Description: Object identifiers are restricted in size to have at most 128

sub-identifiers. This implies that index elements used to form

instance identifiers must have a size contraint which ensures

that the 128 sub-identifier constraint is kept intact for any

possible combination of the index elements' values (RFC 2578,

Section 3.5).

Source file for this MIB compilation is: KWAK\_FINAL1\_P802.11REVmb\_mib1.txt.

Joe Kwak will email this file to 11m editor after approval of these changes.

# The Changes (Note: This is whole MIB with <BREAK>s)

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

-- \* IEEE 802.11 MIB D9.0

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

IEEE802dot11-MIB DEFINITIONS ::= BEGIN

IMPORTS

MODULE-IDENTITY, OBJECT-TYPE, NOTIFICATION-TYPE,

Integer32, Counter32, Counter64, Unsigned32, TimeTicks, Gauge32

FROM SNMPv2-SMI

DisplayString , MacAddress, RowStatus, TruthValue,

TEXTUAL-CONVENTION FROM SNMPv2-TC

MODULE-COMPLIANCE, OBJECT-GROUP, NOTIFICATION-GROUP FROM SNMPv2-CONF

ifIndex, InterfaceIndex FROM IF-MIB;

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

-- \* MODULE IDENTITY

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

ieee802dot11 MODULE-IDENTITY

-- Editor Note: The following line will be updated during publication

**<BREAK>**

dot11CoverageClass OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS read-write

STATUS current

DESCRIPTION

"This is a control variable.

It is written by the SME or external management entity when the device is initialized.

This attribute indicates the coverage class to be used."

DEFVAL { 0 }

::= { dot11OperatingClassesEntry 3 }

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

-- \* End of dot11OperatingClasses TABLE

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

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

-- \* AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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

-- \* XXXXXXXXXXX CUT HERE TO LOCATE AAAAA TO AAAAA, BBBBB TO BBBBB, etc. XXXXXX

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

-- \* BBBBBBBBBBBBBBBBBBBBBBBBBBBBBB

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

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

-- \* IEEE 802.11 RM and WNM Interface MIB

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

-- \* The primary interface to the Radio Measurements and Wireless

-- \* Network Management functions is meant to be real-time information

-- \* obtained through the request/response mechanisms of RM and WNM.

-- \* A secondary interface to the measurements and management functions

-- \* is through retention of information in this MIB. Non-SNMP requests

-- \* for information are obtained via object IDs (OIDs) through the NDIS

-- \* or wireless interfaces in the operating systems. SNMP requests for

-- \* information are obtained via SNMP SETs and GETs (see [B25]).

-- \* dot11RMRequest and dot11RMReport Usage

-- \*

-- \* The dot11RMRequest and dot11RMReport portions of the RM MIB

-- \* provide access to the Radio Measurement service. By performing

-- \* SET operations on the various dot11RMRequest MIB objects,

-- \* radio measurements may be initiated directly on the local STA or

-- \* on any peer station within the same BSS. Subsequently, by

-- \* performing GET operations on the various dot11RMReport MIB

-- \* objects the results of the requested measurements may be

-- \* retrieved.

-- \*

-- \* In the diagram below, a radio measurement could be initiated

-- \* for STA x by performing a MIB.set operation on the RM MIB of

-- \* STA x and specifying the MAC address of STA x in

-- \* dot11RMRqstTargetAdd. Additionally, it is possible to have STA x

-- \* request a measurement from STA y by performing a MIB.set operation

-- \* on the SME MIB of STA x and specifying the MAC address of STA y in

-- \* dot11RMRqstTargetAdd. In both cases the result of the measurements

-- \* can be retrieved by performing a MIB.get operation on the RM MIB

-- \* of STA x upon completion of the measurement.

-- \*

-- \*

-- \* MIB.Set MIB.Set

-- \* or or

-- \* MIB.Get MIB.Get

-- \* +========|=========+ +========|=========+

-- \* | SME | | | SME | |

-- \* | \ / | | \ / |

-- \* | +=========+ | | +=========+ |

-- \* | | RM and | | | | RM and | |

-- \* | | WNM MIB | | | | WNM MIB | |

-- \* | | | | | | | |

-- \* | | | | | | | |

-- \* | +=========+ | | +=========+ |

-- \* | | | |

-- \* | / \ | | / \ |

-- \* | | MREQUEST | | | MREQUEST |

-- \* +====+=============+ +====+=============+

-- \* | | MREPORT | | | MREPORT |

-- \* | \ / MEASURE | Action Frames | \ / MEASURE |

-- \* | | <==Measurement Request==> | |

-- \* | | <==Measurement Report===> | |

-- \* | MLME | | MLME |

-- \* +==================+ +==================+

-- \* STA x STA y

-- \*

-- \* Each STA maintains a single dot11RMRequestTable in the SME MIB

-- \* used to initiate RM Measurement Requests. Each dot11RMRequestEntry

-- \* in the table represents an individual Measurement Request that

-- \* makes up a complete Measurement Request Action frame.

-- \* Multiple Measurement Requests may be concatenated into a single

-- \* Measurement Request Action frame by setting the same

-- \* dot11RMRqstToken value into multiple dot11RMRequestEntrys.

-- \*

-- \* Each row, dot11RMRequestEntry, of the dot11RMRequestTable

-- \* provides read-create access for the initiation of a measurement

-- \* request. The dot11RMRequestNextIndex object can be used to

-- \* determine which is the next available row. Each row corresponding to

-- \* one measurement in the sequence is created with a dot11RMRqstRowStatus

-- \* equal to notInService. Once the dot11RMRequestEntry(s) have been

-- \* created for a desired measurement sequence the corresponding

-- \* dot11RMRqstRowStatus(s) objects are set to active to indicate that

-- \* the SME can trigger the appropriate MLME primitives. Upon processing

-- \* the request, the SME returns the corresponding dot11RMRqstRowStatus(s)

-- \* object to notInService and are now available for additional

-- \* measurement requests.

-- \*

-- \* After a radio measurement is complete the RM populates the RMReport

-- \* objects with the results of the measurement. Each STA maintains a set

-- \* of RMReport tables, one corresponding to each measurement type. The

-- \* results of the entire measurement sequence are spread across the tables

-- \* based on the type of measurements requested. Each xxxReportEntry

-- \* within a xxxReportTable contains a xxxRprtRqstToken that corresponds

-- \* to the original dot11RMRqstToken in the measurement request. So the

-- \* results of the measurement can be collected by searching the appropriate

-- \* xxxReportTables and retrieve any reports with the matching request

-- \* token.

-- \*

-- \* Similar structures and mechanisms are used for WNM

-- \* Request and Reports. The WNM MIB definitions follow the RM MIB definitions

-- \* in this Annex.

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

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

-- \* Radio Measurement Interface MIB

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

dot11RadioMeasurement OBJECT IDENTIFIER ::= { dot11smt 14 }

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

-- \* Radio Measurement Requests

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

dot11RMRequest OBJECT IDENTIFIER ::= { dot11RadioMeasurement 1 }

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

-- \* dot11RMRequest TABLE

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

dot11RMRequestNextIndex OBJECT-TYPE

SYNTAX Unsigned32(0..65535)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when able to accept a new request.

Identifies a hint for the next value of dot11RMRqstIndex to be used in a row creation attempt for dot11RMRequestTable. If no new rows can be created for some reason, such as memory, processing requirements, etc., the SME sets this attribute to 0. It updates this attribute to a proper value other than 0 as soon as it is capable of receiving new measurement requests. The nextIndex is not necessarily sequential nor monotonically increasing."

::= { dot11RMRequest 1 }

**<BREAK>**

dot11RMRqstBeaconThresholdOffset OBJECT-TYPE

SYNTAX Integer32

UNITS "0.5 dB"

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when requesting a measurement.

Changes take effect when dot11RMRqstRowStatus is set to Active.

Threshold/Offset provides either the threshold value or the offset value to be used for conditional reporting. For indicated Reporting Conditions 1-4, the integer range is (0..255). For indicated Reporting Conditions 5-10, the integer range is (-127..+127). This attribute is only valid if the dot11RMRqstType is 5, indicating a beacon request, and is ignored otherwise."

DEFVAL { 0 }

::= { dot11RMRequestEntry 24 }

dot11RMRqstSTAStatRqstGroupID OBJECT-TYPE

SYNTAX INTEGER {

dot11CountersTable(0),

dot11MacStatistics(1),

dot11QosCountersTableforUP0(2),

dot11QosCountersTableforUP1(3),

dot11QosCountersTableforUP2(4),

dot11QosCountersTableforUP3(5),

dot11QosCountersTableforUP4(6),

dot11QosCountersTableforUP5(7),

dot11QosCountersTableforUP6(8),

dot11QosCountersTableforUP7(9),

bSSAverageAccessDelays(10),

dot11CountersGroup3Tablefor31(11),

dot11CountersGroup3Tablefor32(12),

dot11CountersGroup3Tablefor33(13),

dot11CountersGroup3Tablefor34(14),

dot11CountersGroup3Tablefor35(15),

dot11RSNAStatsTable(16)}

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when requesting a measurement.

Changes take effect when dot11RMRqstRowStatus is set to Active.

The attribute indicates the group identity for this Measurement Request element. This attribute is only valid if the dot11RMRqstType is 7, indicating a statistics request, and is ignored otherwise."

DEFVAL { 0 }

::= { dot11RMRequestEntry 25 }

dot11RMRqstLCIRqstSubject OBJECT-TYPE

SYNTAX INTEGER { local(0), remote(1) }

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when requesting a measurement.

Changes take effect when dot11RMRqstRowStatus is set to Active.

The attribute indicates the subject of the LCI measurement request. This attribute is only valid if the dot11RMRqstType is 8, indicating an LCI request, and is ignored otherwise."

DEFVAL { 0 }

::= { dot11RMRequestEntry 26 }

**<BREAK>**

dot11STAStatisticsReportEntry OBJECT-TYPE

SYNTAX Dot11STAStatisticsReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in the dot11STAStatisticsReportTable Indexed by dot11STAStatisticsReportIndex."

INDEX { dot11STAStatisticsReportIndex }

::= { dot11STAStatisticsReportTable 1 }

Dot11STAStatisticsReportEntry ::=

SEQUENCE {

dot11STAStatisticsReportIndex Unsigned32,

dot11STAStatisticsReportToken OCTET STRING,

dot11STAStatisticsIfIndex InterfaceIndex,

dot11STAStatisticsSTAAddress MacAddress,

dot11STAStatisticsMeasurementDuration Unsigned32,

dot11STAStatisticsGroupID INTEGER,

dot11STAStatisticsTransmittedFragmentCount Counter32,

dot11STAStatisticsGroupTransmittedFrameCount Counter32,

dot11STAStatisticsFailedCount Counter32,

dot11STAStatisticsRetryCount Counter32,

dot11STAStatisticsMultipleRetryCount Counter32,

dot11STAStatisticsFrameDuplicateCount Counter32,

dot11STAStatisticsRTSSuccessCount Counter32,

dot11STAStatisticsRTSFailureCount Counter32,

dot11STAStatisticsACKFailureCount Counter32,

dot11STAStatisticsQosTransmittedFragmentCount Counter32,

dot11STAStatisticsQosFailedCount Counter32,

dot11STAStatisticsQosRetryCount Counter32,

dot11STAStatisticsQosMultipleRetryCount Counter32,

dot11STAStatisticsQosFrameDuplicateCount Counter32,

dot11STAStatisticsQosRTSSuccessCount Counter32,

dot11STAStatisticsQosRTSFailureCount Counter32,

dot11STAStatisticsQosACKFailureCount Counter32,

dot11STAStatisticsQosReceivedFragmentCount Counter32,

dot11STAStatisticsQosTransmittedFrameCount Counter32,

dot11STAStatisticsQosDiscardedFrameCount Counter32,

dot11STAStatisticsQosMPDUsReceivedCount Counter32,

dot11STAStatisticsQosRetriesReceivedCount Counter32,

dot11STAStatisticsReceivedFragmentCount Counter32,

dot11STAStatisticsGroupReceivedFrameCount Counter32,

dot11STAStatisticsFCSErrorCount Counter32,

dot11STAStatisticsTransmittedFrameCount Counter32,

dot11STAStatisticsAPAverageAccessDelay Unsigned32,

dot11STAStatisticsAverageAccessDelayBestEffort Unsigned32,

dot11STAStatisticsAverageAccessDelayBackground Unsigned32,

dot11STAStatisticsAverageAccessDelayVideo Unsigned32,

dot11STAStatisticsAverageAccessDelayVoice Unsigned32,

dot11STAStatisticsStationCount Unsigned32,

dot11STAStatisticsChannelUtilization Unsigned32,

dot11STAStatisticsVendorSpecific OCTET STRING,

dot11STAStatisticsRprtMeasurementMode INTEGER,

dot11STAStatisticsRSNAStatsCMACICVErrors Counter32,

dot11STAStatisticsRSNAStatsCMACReplays Counter32,

dot11STAStatisticsRSNAStatsRobustMgmtCCMPReplays Counter32,

dot11STAStatisticsRSNAStatsTKIPICVErrors Counter32,

dot11STAStatisticsRSNAStatsTKIPReplays Counter32,

dot11STAStatisticsRSNAStatsCCMPDecryptErrors Counter32,

dot11STAStatisticsRSNAStatsCCMPReplays Counter32,

dot11STAStatisticsReportingReasonSTACounters OCTET STRING,

dot11STAStatisticsReportingReasonQosCounters OCTET STRING,

dot11STAStatisticsReportingReasonRsnaCounters OCTET STRING,

dot11STAStatisticsTransmittedAMSDUCount Counter32,

dot11STAStatisticsFailedAMSDUCount Counter32,

dot11STAStatisticsRetryAMSDUCount Counter32,

dot11STAStatisticsMultipleRetryAMSDUCount Counter32,

dot11STAStatisticsTransmittedOctetsInAMSDUCount Counter64,

dot11STAStatisticsAMSDUAckFailureCount Counter32,

dot11STAStatisticsReceivedAMSDUCount Counter32,

dot11STAStatisticsReceivedOctetsInAMSDUCount Counter64,

dot11STAStatisticsTransmittedAMPDUCount Counter32,

dot11STAStatisticsTransmittedMPDUsInAMPDUCount Counter32,

dot11STAStatisticsTransmittedOctetsInAMPDUCount Counter64,

dot11STAStatisticsAMPDUReceivedCount Counter32,

dot11STAStatisticsMPDUInReceivedAMPDUCount Counter32,

dot11STAStatisticsReceivedOctetsInAMPDUCount Counter64,

dot11STAStatisticsAMPDUDelimiterCRCErrorCount Counter32,

dot11STAStatisticsImplicitBARFailureCount Counter32,

dot11STAStatisticsExplicitBARFailureCount Counter32,

dot11STAStatisticsChannelWidthSwitchCount Counter32,

dot11STAStatisticsTwentyMHzFrameTransmittedCount Counter32,

dot11STAStatisticsFortyMHzFrameTransmittedCount Counter32,

dot11STAStatisticsTwentyMHzFrameReceivedCount Counter32,

dot11STAStatisticsFortyMHzFrameReceivedCount Counter32,

dot11STAStatisticsPSMPUTTGrantDuration Counter32,

dot11STAStatisticsPSMPUTTUsedDuration Counter32,

dot11STAStatisticsGrantedRDGUsedCount Counter32,

dot11STAStatisticsGrantedRDGUnusedCount Counter32,

dot11STAStatisticsTransmittedFramesInGrantedRDGCount Counter32,

dot11STAStatisticsTransmittedOctetsInGrantedRDGCount Counter64,

dot11STAStatisticsDualCTSSuccessCount Counter32,

dot11STAStatisticsDualCTSFailureCount Counter32,

dot11STAStatisticsRTSLSIGSuccessCount Counter32,

dot11STAStatisticsRTSLSIGFailureCount Counter32,

dot11STAStatisticsBeamformingFrameCount Counter32,

dot11STAStatisticsSTBCCTSSuccessCount Counter32,

dot11STAStatisticsSTBCCTSFailureCount Counter32,

dot11STAStatisticsnonSTBCCTSSuccessCount Counter32,

dot11STAStatisticsnonSTBCCTSFailureCount Counter32 }

dot11STAStatisticsReportIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index for STA Statistics Report elements in dot11STAStatisticsReportTable, greater than 0."

::= { dot11STAStatisticsReportEntry 1 }

dot11STAStatisticsReportToken OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

This attribute indicates the token that was indicated in the measurement request that generated this measurement report. This should be an exact match to the original dot11RMRqstToken attribute. Note that there may be multiple entries in the table that match this value since a single request may generate multiple measurement reports."

::= { dot11STAStatisticsReportEntry 2 }

dot11STAStatisticsIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

Identifies the Interface that this row of STA Statistics Report has been received on"

::= { dot11STAStatisticsReportEntry 3 }

dot11STAStatisticsSTAAddress OBJECT-TYPE

SYNTAX MacAddress

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

The MAC address of the STA that returned this STA Statistics Report."

::= { dot11STAStatisticsReportEntry 4 }

dot11STAStatisticsMeasurementDuration OBJECT-TYPE

SYNTAX Unsigned32

UNITS "TUs"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

This attribute indicates the duration over which the STA Statistics was measured. A zero value for this attribute indicates that the reported statistics are a current snapshot of the statistics variables. A non-zero value for this attribute indicates that the reported statistics contain the difference in the corresponding statistics variables over the indicated duration."

::= { dot11STAStatisticsReportEntry 5 }

dot11STAStatisticsGroupID OBJECT-TYPE

SYNTAX INTEGER {

dot11CountersTable(0),

dot11MacStatistics(1),

dot11QosCountersTableforUP0(2),

dot11QosCountersTableforUP1(3),

dot11QosCountersTableforUP2(4),

dot11QosCountersTableforUP3(5),

dot11QosCountersTableforUP4(6),

dot11QosCountersTableforUP5(7),

dot11QosCountersTableforUP6(8),

dot11QosCountersTableforUP7(9),

bSSAverageAccessDelays(10),

dot11CountersGroup3Tablefor31(11),

dot11CountersGroup3Tablefor32(12),

dot11CountersGroup3Tablefor33(13),

dot11CountersGroup3Tablefor34(14),

dot11CountersGroup3Tablefor35(15),

dot11RSNAStatsTable(16) }

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

This attribute indicates the value of dot11RMRqstSTAStatRqstGroupID returned from the STA in this STA Statistics Report."

DEFVAL { 0 }

::= { dot11STAStatisticsReportEntry 6 }

dot11STAStatisticsTransmittedFragmentCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11TransmittedFragmentCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 0, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 7 }

dot11STAStatisticsGroupTransmittedFrameCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11GroupTransmittedFrameCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 0, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 8 }

dot11STAStatisticsFailedCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11FailedCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 0, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 9 }

dot11STAStatisticsRetryCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11RetryCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 1, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 10 }

dot11STAStatisticsMultipleRetryCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11MultipleRetryCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 1, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 11 }

dot11STAStatisticsFrameDuplicateCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11FrameDuplicateCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 1, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 12 }

dot11STAStatisticsRTSSuccessCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11RTSSuccessCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 1, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 13 }

dot11STAStatisticsRTSFailureCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11RTSFailureCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 1, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 14 }

dot11STAStatisticsACKFailureCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11ACKFailureCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 1, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 15 }

dot11STAStatisticsQosTransmittedFragmentCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11QosTransmittedFragmentCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 2-9, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 16 }

dot11STAStatisticsQosFailedCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11QosFailedCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 2-9, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 17 }

dot11STAStatisticsQosRetryCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11QosRetryCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 2-9, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 18 }

dot11STAStatisticsQosMultipleRetryCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11QosMultipleRetryCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 2-9, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 19 }

dot11STAStatisticsQosFrameDuplicateCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11QosFrameDuplicateCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 2-9, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 20 }

dot11STAStatisticsQosRTSSuccessCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11QosRTSSuccessCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 2-9, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 21 }

dot11STAStatisticsQosRTSFailureCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11QosRTSFailureCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 2-9, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 22 }

dot11STAStatisticsQosACKFailureCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11QosACKFailureCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 2-9, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 23 }

dot11STAStatisticsQosReceivedFragmentCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11QosReceivedFragmentCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 2-9, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 24 }

dot11STAStatisticsQosTransmittedFrameCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11QosTransmittedFrameCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 2-9, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 25 }

dot11STAStatisticsQosDiscardedFrameCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11QosDiscardedFrameCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 2-9, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 26 }

dot11STAStatisticsQosMPDUsReceivedCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11QosMPDUsReceivedCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 2-9, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 27 }

dot11STAStatisticsQosRetriesReceivedCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11QosRetriesReceivedCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 2-9, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 28 }

dot11STAStatisticsReceivedFragmentCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11ReceivedFragmentCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 0, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 29 }

dot11STAStatisticsGroupReceivedFrameCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11GroupReceivedFrameCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 0, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 30 }

dot11STAStatisticsFCSErrorCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11FCSErrorCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 0, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 31 }

dot11STAStatisticsTransmittedFrameCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11TransmittedFrameCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 0, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 32 }

dot11STAStatisticsAPAverageAccessDelay OBJECT-TYPE

SYNTAX Unsigned32 (0..255)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of the AP Average Access Delay (AAD) returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced access delay value over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 10, and is ignored otherwise."

REFERENCE

"IEEE 802.11 8.4.2.41 (BSS Average Access Delay element)"

::= { dot11STAStatisticsReportEntry 33 }

dot11STAStatisticsAverageAccessDelayBestEffort OBJECT-TYPE

SYNTAX Unsigned32 (0..255)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of the Average Access Delay (AAD) for the Best Effort Access Category returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced access delay value over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 10, and is ignored otherwise."

REFERENCE

"IEEE 802.11 8.4.2.46 (BSS AC Access Delay element)"

::= { dot11STAStatisticsReportEntry 34 }

dot11STAStatisticsAverageAccessDelayBackground OBJECT-TYPE

SYNTAX Unsigned32 (0..255)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of the Average Access Delay (AAD) for the Background Access Category returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced access delay value over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 10, and is ignored otherwise."

REFERENCE

"IEEE 802.11 8.4.2.46 (BSS AC Access Delay element)"

::= { dot11STAStatisticsReportEntry 35 }

dot11STAStatisticsAverageAccessDelayVideo OBJECT-TYPE

SYNTAX Unsigned32 (0..255)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of the Average Access Delay (AAD) for the Video Access Category returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced access delay value over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 10, and is ignored otherwise."

REFERENCE

"IEEE 802.11 8.4.2.46 (BSS AC Access Delay element)"

::= { dot11STAStatisticsReportEntry 36 }

dot11STAStatisticsAverageAccessDelayVoice OBJECT-TYPE

SYNTAX Unsigned32 (0..255)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of the Average Access Delay (AAD) for the Voice Access Category returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced access delay value over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 10, and is ignored otherwise."

REFERENCE

"IEEE 802.11 8.4.2.46 (BSS AC Access Delay element)"

::= { dot11STAStatisticsReportEntry 37 }

dot11STAStatisticsStationCount OBJECT-TYPE

SYNTAX Unsigned32 (0..65535)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11AssociatedStationCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 10, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 38 }

dot11STAStatisticsChannelUtilization OBJECT-TYPE

SYNTAX Unsigned32 (0..255)

UNITS "1/255"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of the Channel Utilization returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the Channel Utilization value over the indicated duration. The Channel Utilization is the time fraction during which the AP sensed the channel busy. This attribute is only valid if the dot11STAStatisticsGroupID is 10, and is ignored otherwise."

REFERENCE

"IEEE 802.11 8.4.2.30 (BSS Load element)"

::= { dot11STAStatisticsReportEntry 39 }

dot11STAStatisticsVendorSpecific OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..255))

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

This attribute provides an envelope for any optional vendor specific subelements which may be included in a measurement report element. The default value is null."

DEFVAL { ''H }

::= { dot11STAStatisticsReportEntry 40 }

dot11STAStatisticsRprtMeasurementMode OBJECT-TYPE

SYNTAX INTEGER {

success(0),

incapableBit(1),

refusedBit(2)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

This attribute indicates the outcome status for the measurement request which generated this measurement report; status is indicated using the following reason codes: 1 indicates this STA is incapable of generating the report, 2 indicates this STA is refusing to generate the report, 0 indicates the STA successfully carried out the measurement request."

DEFVAL { 0 }

::= { dot11STAStatisticsReportEntry 41 }

dot11STAStatisticsRSNAStatsCMACICVErrors OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11RSNAStatsCMACICVErrors returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 16, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 42 }

dot11STAStatisticsRSNAStatsCMACReplays OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11RSNAStatsCMACReplays returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 16, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 43 }

dot11STAStatisticsRSNAStatsRobustMgmtCCMPReplays OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11RSNAStatsRobustMgmtCCMPReplays returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 16, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 44 }

dot11STAStatisticsRSNAStatsTKIPICVErrors OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11RSNAStatsTKIPICVErrors returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 16, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 45 }

dot11STAStatisticsRSNAStatsTKIPReplays OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11RSNAStatsTKIPReplays returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 16, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 46 }

dot11STAStatisticsRSNAStatsCCMPDecryptErrors OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11RSNAStatsCCMPDecryptErrors returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 16, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 47 }

dot11STAStatisticsRSNAStatsCCMPReplays OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11RSNAStatsCCMPReplays returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 16, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 48 }

dot11STAStatisticsReportingReasonSTACounters OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..1))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

This attribute indicates the trigger reason(s) for this Statistics Report. Eash bit indicates a different trigger condition. When the bit is set to 1, it indicates that the listed trigger threshold has been exceeded:

B0 (least significant bit): dot11Failed,

B1: dotFCSError,

B2: dot11MultipleRetry,

B3: dot11FrameDuplicate,

B4: dot11RTSFailure,

B5: dot11ACKFailure,

B6: dot11Retry,

B7: Reserved.

This attribute is only valid if the dot11STAStatisticsGroupID is 0, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 49 }

dot11STAStatisticsReportingReasonQosCounters OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..1))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

This attribute indicates the trigger reason(s) for this Statistics Report. Eash bit indicates a different trigger condition. When the bit is set to 1, it indicates that the listed trigger threshold has been exceeded:

B0 (least significant bit): dot11QoSFailed,

B1: dotQoSRetry,

B2: dot11QoSMultipleRetry,

B3: dot11QoSFrameDuplicate,

B4: dot11QoSRTSFailure,

B5: dot11QoSACKFailure,

B6: dot11QoSDiscarded,

B7: Reserved.

This attribute is only valid if the dot11STAStatisticsGroupID is 2-9, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 50 }

dot11STAStatisticsReportingReasonRsnaCounters OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..1))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

This attribute indicates the trigger reason(s) for this Statistics Report. Each bit indicates a different trigger condition. When the bit is set to 1, it indicates that the listed trigger threshold has been exceeded:

B0 (least significant bit): dot11RSNAStatsCMACICVErrors,

B1: dotRSNAStatsCMACReplays,

B2: dot11RSNAStatsRobustMgmtCCMPReplays,

B3: dot11RSNAStatsTKIPICVErrors,

B4: dot11RSNAStatsCCMPReplays,

B5: dot11RSNAStatsCCMPDecryptErrors,

B6: dot11RSNAStatsCCMPReplays,

B7: Reserved.

This attribute is only valid if the dot11STAStatisticsGroupID is 16, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 51 }

dot11STAStatisticsTransmittedAMSDUCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11TransmittedAMSDUCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 11, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 52 }

dot11STAStatisticsFailedAMSDUCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11FailedAMSDUCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 11, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 53 }

dot11STAStatisticsRetryAMSDUCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11RetryAMSDUCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 11, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 54 }

dot11STAStatisticsMultipleRetryAMSDUCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11MultipleRetryAMSDUCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 11, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 55 }

dot11STAStatisticsTransmittedOctetsInAMSDUCount OBJECT-TYPE

SYNTAX Counter64

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11TransmittedOctetsInAMSDUCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 11, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 56 }

dot11STAStatisticsAMSDUAckFailureCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11AMSDUAckFailureCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 11, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 57 }

dot11STAStatisticsReceivedAMSDUCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11ReceivedAMSDUCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 11, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 58 }

dot11STAStatisticsReceivedOctetsInAMSDUCount OBJECT-TYPE

SYNTAX Counter64

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11ReceivedOctetsInAMSDUCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is onl/y valid if the dot11STAStatisticsGroupID is 11, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 59 }

dot11STAStatisticsTransmittedAMPDUCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11TransmittedAMPDUCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 12, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 60 }

dot11STAStatisticsTransmittedMPDUsInAMPDUCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11TransmittedMPDUsInAMPDUCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 12, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 61 }

dot11STAStatisticsTransmittedOctetsInAMPDUCount OBJECT-TYPE

SYNTAX Counter64

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11TransmittedOctetsInAMPDUCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 12, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 62 }

dot11STAStatisticsAMPDUReceivedCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11AMPDUReceivedCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 12, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 63 }

dot11STAStatisticsMPDUInReceivedAMPDUCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11MPDUInReceivedAMPDUCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 12, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 64 }

dot11STAStatisticsReceivedOctetsInAMPDUCount OBJECT-TYPE

SYNTAX Counter64

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11ReceivedOctetsInAMPDUCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 12, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 65 }

dot11STAStatisticsAMPDUDelimiterCRCErrorCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11AMPDUDelimiterCRCErrorCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 12, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 66 }

dot11STAStatisticsImplicitBARFailureCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11ImplicitBARFailureCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 13, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 67 }

dot11STAStatisticsExplicitBARFailureCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11ExplicitBARFailureCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 13, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 68 }

dot11STAStatisticsChannelWidthSwitchCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11ChannelWidthSwitchCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 13, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 69 }

dot11STAStatisticsTwentyMHzFrameTransmittedCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11TwentyMHzFrameTransmittedCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 13, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 70 }

dot11STAStatisticsFortyMHzFrameTransmittedCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11FortyMHzFrameTransmittedCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 13, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 71 }

dot11STAStatisticsTwentyMHzFrameReceivedCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11TwentyMHzFrameReceivedCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 13, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 72 }

dot11STAStatisticsFortyMHzFrameReceivedCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11FortyMHzFrameReceivedCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 13, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 73 }

dot11STAStatisticsPSMPUTTGrantDuration OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11PSMPUTTGrantDuration returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 13, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 74 }

dot11STAStatisticsPSMPUTTUsedDuration OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11PSMPUTTUsedDuration returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 13, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 75 }

dot11STAStatisticsGrantedRDGUsedCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11GrantedRDGUsedCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 14, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 76 }

dot11STAStatisticsGrantedRDGUnusedCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11GrantedRDGUnusedCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 14, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 77 }

dot11STAStatisticsTransmittedFramesInGrantedRDGCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11TransmittedFramesInGrantedRDGCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 14, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 78 }

dot11STAStatisticsTransmittedOctetsInGrantedRDGCount OBJECT-TYPE

SYNTAX Counter64

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11TransmittedOctetsInGrantedRDGCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 14, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 79 }

dot11STAStatisticsDualCTSSuccessCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11DualCTSSuccessCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 14, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 80 }

dot11STAStatisticsDualCTSFailureCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11DualCTSFailureCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 14, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 81 }

dot11STAStatisticsRTSLSIGSuccessCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11RTSLSIGSuccessCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 14, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 82 }

dot11STAStatisticsRTSLSIGFailureCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11RTSLSIGFailureCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 14, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 83 }

dot11STAStatisticsBeamformingFrameCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11BeamformingFrameCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 15, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 84 }

dot11STAStatisticsSTBCCTSSuccessCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11STBCCTSSuccessCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 15, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 85 }

dot11STAStatisticsSTBCCTSFailureCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11STBCCTSFailureCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 15, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 86 }

dot11STAStatisticsnonSTBCCTSSuccessCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11nonSTBCCTSSuccessCountt returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 15, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 87 }

dot11STAStatisticsnonSTBCCTSFailureCount OBJECT-TYPE

SYNTAX Counter32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a measurement report is completed.

If dot11STAStatisticsMeasurementDuration is zero, this attribute indicates the value of dot11nonSTBCCTSFailureCount returned from the STA in this STA Statistics Report. If dot11STAStatisticsMeasurementDuration indicates a non-zero value, this attribute indicates the difference in the referenced dot11 variable over the indicated duration. This attribute is only valid if the dot11STAStatisticsGroupID is 15, and is ignored otherwise."

::= { dot11STAStatisticsReportEntry 88 }

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

-- \* End of dot11STAStatisticsReport TABLE

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

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

-- \* dot11LCIReport TABLE

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

dot11LCIReportTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot11LCIReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"This table contains the current list of LCI reports that have been received by the MLME. The report tables are maintained as a FIFO to preserve freshness, thus the rows in this table can be deleted for memory constraints or other implementation constraints determined by the vendor. New rows have different RprtIndex values than those deleted within the range limitation of the index. One easy way is to monotonically increase RprtIndex for new reports being written in the table."

::= { dot11RMReport 6 }

dot11LCIReportEntry OBJECT-TYPE

SYNTAX Dot11LCIReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in the dot11LCIReportTable Indexed by dot11LCIReportIndex."

INDEX { dot11LCIReportIndex }

::= { dot11LCIReportTable 1 }

**<BREAK>**

dot11RMNeighborReportBSSTerminationDuration OBJECT-TYPE

SYNTAX Unsigned32 (1..65535)

UNITS "minutes"

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This attribute indicates the number of minutes for which the BSS is not present. The Duration field value of 0 is reserved. The Duration field value is set to 65 535 when the BSS is terminated for a period longer than or equal to 65 535 minutes."

::= { dot11RMNeighborReportEntry 96 }

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

-- \* End of dot11RMNeighborReport TABLE

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

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

-- \* END of Radio Measurement Interface MIB

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

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

-- \* CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

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

-- \* XXXXXXXXXXX CUT HERE TO LOCATE AAAAA TO AAAAA, BBBBB TO BBBBB, etc. XXXXXX

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

-- \* AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

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

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

-- \* dot11FastBSSTransitionConfig TABLE

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

dot11FastBSSTransitionConfigTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot11FastBSSTransitionConfigEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"The table containing fast BSS transition configuration objects."

::= { dot11smt 15 }

dot11FastBSSTransitionConfigEntry OBJECT-TYPE

SYNTAX Dot11FastBSSTransitionConfigEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in the dot11FastBSSTransitionConfigTable."

INDEX { ifIndex }

::= { dot11FastBSSTransitionConfigTable 1 }

**<BREAK>**

dot11WirelessMGTEventWNMLog OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..2284))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This attribute contains the entire syslog message, consisting of the PRI, HEADER, and MSG portion of a WNM Log message as described in IETF RFC 3164-2001. The TAG field of the MSG portion of the message is a 17 octet string containing the ASCII representation of the STA MAC address using hexadecimal notation with colons between octets. The octet containing the individual/group bit occurs last, and that bit is in the least significant position within that octet. See 10.23.2.5 (WNM Log event request and report)."

::= { dot11WirelessMGTEventEntry 28 }

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

-- \* End of dot11WirelessMGTEvent TABLE

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

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

-- \* BBBBBBBBBBBBBBBBBBBBBBBBBBBBBB

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

-- \* XXXXXXXXXXX CUT HERE TO LOCATE AAAAA TO AAAAA, BBBBB TO BBBBB, etc. XXXXXX

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

-- \* CCCCCCCCCCCCCCCCCCCCCCCCCCCCCC

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

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

-- \* Wireless Network Management Interface MIB

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

dot11WirelessNetworkManagement OBJECT IDENTIFIER ::= { dot11smt 22 }

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

-- \* Wireless network management requests

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

dot11WNMRequest OBJECT IDENTIFIER ::= { dot11WirelessNetworkManagement 1 }

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

-- \* dot11WNMRequest TABLE

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

dot11WNMRequestNextIndex OBJECT-TYPE

SYNTAX Unsigned32(0..4294967295)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when able to accept a new request.

Identifies a hint for the next value of dot11WNMRqstIndex to be used in a row creation attempt for dot11WNMRequestTable. If no new rows can be created for some reason, such as memory, processing requirements, etc, the SME shall set this attribute to 0. It shall update this attribute to a proper value other than 0 as soon as it is capable of receiving new measurement requests. The nextIndex is not necessarily sequential nor monotonically increasing."

::= { dot11WNMRequest 1 }

dot11WNMRequestTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot11WNMRequestEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"This group contains the current list of requests for WNM reports to be issued and have been issued until removed. A network manager adds a WNM request by creating a row with createAndWait row status and then filling in the request parameters/attributes. The request becomes active to be issued when the row status is set to Active. The columnar objects or attributes other than the rowStatus shall not be written if the rowStatus is Active. The request rows can be deleted, if commanded by a network manager via changing the value of dot11WNMRqstRowStatus to Destroy. This may leave orphaned rows if a manager crashes and forgets which rows are being used by it. One recommended way to manage orphaned or finished rows is to delete rows if their dot11WNMRqstRowStatus remains other than Active for longer than a period (recommend at least 5 minutes, RFC 2579). Or another recommended way is to delete older rows as needed based on their dot11WNMRqstTimeStamp values. This can be done by the agent as well as the manager."

::= { dot11WNMRequest 2 }

dot11WNMRequestEntry OBJECT-TYPE

SYNTAX Dot11WNMRequestEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in the dot11WNMRequestTable Indexed by dot11WNMRqstIndex."

INDEX { dot11WNMRqstIndex }

::= { dot11WNMRequestTable 1 }

Dot11WNMRequestEntry ::=

SEQUENCE {

dot11WNMRqstIndex Unsigned32,

dot11WNMRqstRowStatus RowStatus,

dot11WNMRqstToken OCTET STRING,

dot11WNMRqstIfIndex InterfaceIndex,

dot11WNMRqstType INTEGER,

dot11WNMRqstTargetAdd MacAddress,

dot11WNMRqstTimeStamp TimeTicks,

dot11WNMRqstRndInterval Unsigned32,

dot11WNMRqstDuration Unsigned32,

dot11WNMRqstMcstGroup MacAddress,

dot11WNMRqstMcstTrigCon OCTET STRING,

dot11WNMRqstMcstTrigInactivityTimeout Unsigned32,

dot11WNMRqstMcstTrigReactDelay Unsigned32,

dot11WNMRqstLCRRqstSubject INTEGER,

dot11WNMRqstLCRIntervalUnits INTEGER,

dot11WNMRqstLCRServiceInterval Unsigned32,

dot11WNMRqstLIRRqstSubject INTEGER,

dot11WNMRqstLIRIntervalUnits INTEGER,

dot11WNMRqstLIRServiceInterval Unsigned32,

dot11WNMRqstEventToken Unsigned32,

dot11WNMRqstEventType INTEGER,

dot11WNMRqstEventResponseLimit Unsigned32,

dot11WNMRqstEventTargetBssid MacAddress,

dot11WNMRqstEventSourceBssid MacAddress,

dot11WNMRqstEventTransitTimeThresh Unsigned32,

dot11WNMRqstEventTransitMatchValue OCTET STRING,

dot11WNMRqstEventFreqTransitCountThresh Unsigned32,

dot11WNMRqstEventFreqTransitInterval Unsigned32,

dot11WNMRqstEventRsnaAuthType OCTET STRING,

dot11WNMRqstEapType Unsigned32,

dot11WNMRqstEapVendorId OCTET STRING,

dot11WNMRqstEapVendorType OCTET STRING,

dot11WNMRqstEventRsnaMatchValue OCTET STRING,

dot11WNMRqstEventPeerMacAddress MacAddress,

dot11WNMRqstOperatingClass Unsigned32,

dot11WNMRqstChanNumber Unsigned32,

dot11WNMRqstDiagToken Unsigned32,

dot11WNMRqstDiagType INTEGER,

dot11WNMRqstDiagTimeout Unsigned32,

dot11WNMRqstDiagBssid MacAddress,

dot11WNMRqstDiagProfileId Unsigned32,

dot11WNMRqstDiagCredentials INTEGER,

dot11WNMRqstLocConfigLocIndParams OCTET STRING,

dot11WNMRqstLocConfigChanList OCTET STRING,

dot11WNMRqstLocConfigBcastRate Unsigned32,

dot11WNMRqstLocConfigOptions OCTET STRING,

dot11WNMRqstBssTransitQueryReason INTEGER,

dot11WNMRqstBssTransitReqMode OCTET STRING,

dot11WNMRqstBssTransitDisocTimer Unsigned32,

dot11WNMRqstBssTransitSessInfoURL OCTET STRING,

dot11WNMRqstBssTransitCandidateList OCTET STRING,

dot11WNMRqstColocInterfAutoEnable TruthValue,

dot11WNMRqstColocInterfRptTimeout Unsigned32,

dot11WNMRqstVendorSpecific OCTET STRING,

dot11WNMRqstDestinationURI OCTET STRING

}

dot11WNMRqstIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index for WNM Request elements in dot11WNMRequestTable, greater than 0."

::= { dot11WNMRequestEntry 1 }

dot11WNMRqstRowStatus OBJECT-TYPE

SYNTAX RowStatus

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when requesting a measurement, and by the SME when accepting a management request.

The Row Status column of the current row, used for tracking status of an individual request. When this attribute is set to Active, AND a measurement request can be unambiguously created based on the parameters in the row, then the MLME may proceed to issue the request to its intended targets when appropriate. If not, this attribute may be set to Not-ready immediately to indicate parametric errors. However, it is the network managers

responsibility to correct the error. If the request is successfully issued to the target STA, then the rowStatus is set to notInService."

::= { dot11WNMRequestEntry 2 }

dot11WNMRqstToken OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when the table entry is created, i.e., when requesting a measurement. Changes take effect when dot11RMRqstRowStatus is set to Active.

This attribute indicates a unique string to identify this request. To guarantee the uniqueness of this token across multiple network managers, it is recommended that this token be prefixed with the IP address of the network manager creating this row. This token is not necessarily equivalent to the measurement tokens in WNM request frames."

::= { dot11WNMRequestEntry 3 }

dot11WNMRqstIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"The ifIndex for this row of WNM Request to be issued on."

::= { dot11WNMRequestEntry 4 }

dot11WNMRqstType OBJECT-TYPE

SYNTAX INTEGER {

mcastDiagnostics(0),

locationCivic(1),

locationIdentifier(2),

event(3),

dignostic(4),

locationConfiguration(5),

bssTransitionQuery(6),

bssTransitionRqst(7),

fms(8),

colocInterference(9)

}

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the request type of this WNM request row."

::= { dot11WNMRequestEntry 5 }

dot11WNMRqstTargetAdd OBJECT-TYPE

SYNTAX MacAddress

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

The MAC address of STA for this row of WNM Request is to be issued to. If this attribute matches the MAC address of the dot11WNMRqstIfIndex, then measurement request is for this STA itself to carry out."

::= { dot11WNMRequestEntry 6 }

dot11WNMRqstTimeStamp OBJECT-TYPE

SYNTAX TimeTicks

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the SysUpTime Value the last time when the dot11WNMRqstRowStatus is set to active or when this row is created the first time. This attribute shall be set by this STA or AP automatically, not by an SNMP manager."

::= { dot11WNMRequestEntry 7 }

dot11WNMRqstRndInterval OBJECT-TYPE

SYNTAX Unsigned32

UNITS "TUs"

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the upper bound of the random delay to be used prior to making the measurement, expressed in units of TUs. See 10.11.3 (Measurement start time)."

DEFVAL { 0 }

::= { dot11WNMRequestEntry 8 }

dot11WNMRqstDuration OBJECT-TYPE

SYNTAX Unsigned32

UNITS "TUs"

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the preferred or mandatory measurement duration for this Measurement Request."

DEFVAL { 0 }

::= { dot11WNMRequestEntry 9 }

dot11WNMRqstMcstGroup OBJECT-TYPE

SYNTAX MacAddress

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

Multicast Group address indicates the MAC address of the multicast group for which diagnostics are requested. The BSSID shall be set to the wildcard BSSID when the measurement is to be performed on any muliticast group on the operating channel. This attribute is only valid if the dot11WNMRqstType is 10, indicating a multicast diagnostic request, and is ignored otherwise."

DEFVAL { 'FFFFFFFFFFFF'H }

::= { dot11WNMRequestEntry 10 }

dot11WNMRqstMcstTrigCon OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(1))

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the trigger condition for the Multicast Diagnostic request."

::= { dot11WNMRequestEntry 11 }

dot11WNMRqstMcstTrigInactivityTimeout OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

UNITS "100 TUs"

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the time interval value in units of 100 TU to be use as the threshold value for Trigger Inactivity Timeout trigger condition."

::= { dot11WNMRequestEntry 12 }

dot11WNMRqstMcstTrigReactDelay OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

UNITS "100 TUs"

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the time interval value in units of 100 TU during which a measuring STA does not generate further Multicast Triggered Reports after a trigger condition has been met."

::= { dot11WNMRequestEntry 13 }

dot11WNMRqstLCRRqstSubject OBJECT-TYPE

SYNTAX INTEGER {

local(0),

remote(1)

}

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

The attribute indicates the subject of the Location Civic Request."

DEFVAL { 0 }

::= { dot11WNMRequestEntry 14 }

dot11WNMRqstLCRIntervalUnits OBJECT-TYPE

SYNTAX INTEGER {

seconds(0),

minutes(1),

hours(2)

}

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the units used in the Location Civic Request Service Interval."

::= { dot11WNMRequestEntry 15 }

dot11WNMRqstLCRServiceInterval OBJECT-TYPE

SYNTAX Unsigned32 (0..65535)

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the time interval, expressed in the units indicated in the Location Civic Request Service Interval Units field, at which the STA requests to receive Location Civic Reports. A Location Civic Request Service Interval of 0 indicates that only a single Location Civic Report is requested."

::= { dot11WNMRequestEntry 16 }

dot11WNMRqstLIRRqstSubject OBJECT-TYPE

SYNTAX INTEGER {

local(0),

remote(1)

}

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

The attribute indicates the subject of the Location Identifier Request."

DEFVAL { 0 }

::= { dot11WNMRequestEntry 17 }

dot11WNMRqstLIRIntervalUnits OBJECT-TYPE

SYNTAX INTEGER {

seconds(0),

minutes(1),

hours(2)

}

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the units used in the Location Identifier Request Service Interval."

::= { dot11WNMRequestEntry 18 }

dot11WNMRqstLIRServiceInterval OBJECT-TYPE

SYNTAX Unsigned32 (0..65535)

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the time interval, expressed in the units indicated in the Location Identifier Request Interval Units field, at which the STA requests to receive Location Identifier Reports. A Location Identifier Request Service Interval of 0 indicates that only a single Location Identifier Report is requested."

::= { dot11WNMRequestEntry 19 }

dot11WNMRqstEventToken OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates a unique string to identify this request."

::= { dot11WNMRequestEntry 20 }

dot11WNMRqstEventType OBJECT-TYPE

SYNTAX INTEGER {

transition(0),

rsna(1),

peerToPeer(2),

wnmLog(3),

vendorSpecific(221)

}

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the request type of this WNM Event request."

::= { dot11WNMRequestEntry 21 }

dot11WNMRqstEventResponseLimit OBJECT-TYPE

SYNTAX Unsigned32 (0..255)

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the maximum number of requested Event Reports to be included in the Event Report element. A value of 0 indicates that no limit is set on the number of Event Reports to be included in the Event Report element."

::= { dot11WNMRequestEntry 22 }

dot11WNMRqstEventTargetBssid OBJECT-TYPE

SYNTAX MacAddress

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute is used to request that a Transition or RSNA Event Report includes the event entry when the target BSSID is equal to the indicated BSSID. A transition event is a STA movement or attempted movement from one BSS (the source BSS) in one ESS to another BSS (the target BSS) within the same ESS. The BSSID shall be set to the wildcard BSSID when the transitions to any BSSID is requested."

DEFVAL { 'FFFFFFFFFFFF'H }

::= { dot11WNMRequestEntry 23 }

dot11WNMRqstEventSourceBssid OBJECT-TYPE

SYNTAX MacAddress

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute is used to request that a Transition Event Report includes the transition event entry when the source BSSID is equal to the indicated BSSID. A transition event is a STA movement or attempted movement from one BSS (the source BSS) in one ESS to another BSS (the target BSS) within the same ESS. The BSSID shall be set to the wildcard BSSID when the transitions from any BSSID is requested."

DEFVAL { 'FFFFFFFFFFFF'H }

::= { dot11WNMRequestEntry 24 }

dot11WNMRqstEventTransitTimeThresh OBJECT-TYPE

SYNTAX Unsigned32 (0..65535)

UNITS "TUs"

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates a value representing the transition time to be used as the threshold value for the Transition Time condition in TUs. The Transition Time is defined in 10.23.2.2 (Transition event request and report)"

::= { dot11WNMRequestEntry 25 }

dot11WNMRqstEventTransitMatchValue OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(1))

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates a request for the specified transition results that match the bit descriptions of this field. b0 indicates match when transition is successful. b1 indicates match when transition fails."

::= { dot11WNMRequestEntry 26 }

dot11WNMRqstEventFreqTransitCountThresh OBJECT-TYPE

SYNTAX Unsigned32 (0..255)

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the minimum number of matching transitions detected in the measurement duration to generate a Transition Event Report."

::= { dot11WNMRequestEntry 27 }

dot11WNMRqstEventFreqTransitInterval OBJECT-TYPE

SYNTAX Unsigned32 (0..65535)

UNITS "TUs"

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the sliding window time interval, in TUs, during which the STA detects matching transitions to determine if the Frequent Transition Count Threshold is exceeded in order to generate a Transition Event Report."

::= { dot11WNMRequestEntry 28 }

dot11WNMRqstEventRsnaAuthType OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(4))

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute is used to request that an RSNA Event Report include the event entry when its RSNA Authentication Type matches the indicated RSNA authentication type value."

::= { dot11WNMRequestEntry 29 }

dot11WNMRqstEapType OBJECT-TYPE

SYNTAX Unsigned32 (0..255)

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute is used to request that an RSNA Event Report include the event entry when its EAP Type matches the indicated EAP type value. Valid EAP Type numbers are assigned by IANA and are defined at http://www.iana.org/assignments/eap-numbers."

::= { dot11WNMRequestEntry 30 }

dot11WNMRqstEapVendorId OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..3))

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute is used to request that an RSNA Event Report include the event entry when its EAP Vendor ID matches the indicated vendor ID value. The EAP Vendor ID field is included when the EAP Type field is set to 254, and is excluded otherwise."

::= { dot11WNMRequestEntry 31 }

dot11WNMRqstEapVendorType OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..4))

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute is used to request that an RSNA Event Report include the event entry when its EAP Vendor Type matches the indicated EAP vendor type value. The EAP Vendor ID field is included when the EAP Type field is set to 254, and is excluded otherwise."

::= { dot11WNMRequestEntry 32 }

dot11WNMRqstEventRsnaMatchValue OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(1))

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates a request for the specified transition results that match the bit descriptions of this field. b0 (least significant bit) indicates match when RSNA is successful. b1 indicates match when RSNA fails."

::= { dot11WNMRequestEntry 33 }

dot11WNMRqstEventPeerMacAddress OBJECT-TYPE

SYNTAX MacAddress

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute is used to request that a Peer-to-Peer Event Report includes the transition event entry when the MAC address of the peer STA or IBSS BSSID is equal to the indicated MAC address. The MAC address shall be set to the wildcard BSSID when the transitions from any peer STA or IBSS BSSID is requested."

DEFVAL { 'FFFFFFFFFFFF'H }

::= { dot11WNMRequestEntry 34 }

dot11WNMRqstOperatingClass OBJECT-TYPE

SYNTAX Unsigned32(1..255)

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the channel set for this WNM request. Country, Operating Class and Channel Number together specify the channel frequency and spacing for this measurement request. Valid values of Operating Class are shown in Annex E."

::= { dot11WNMRequestEntry 35 }

dot11WNMRqstChanNumber OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the current operating channel for this WNM request. The Channel Number is only defined within the indicated Operating Class as shown in Annex E."

::= { dot11WNMRequestEntry 36 }

dot11WNMRqstDiagToken OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates a unique string to identify this request."

::= { dot11WNMRequestEntry 37 }

dot11WNMRqstDiagType OBJECT-TYPE

SYNTAX INTEGER {

cancelRequest(0),

manufacturerInfoStaRep(1),

configurationProfile(2),

associationDiag(3),

ieee8021xAuthDiag(4),

vendorSpecific(221)

}

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the request type of this WNM Diagnostic request."

::= { dot11WNMRequestEntry 38 }

dot11WNMRqstDiagTimeout OBJECT-TYPE

SYNTAX Unsigned32 (0..65535)

UNITS "seconds"

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates a value representing the time interval after a Diagnostic Report is generated during which no additional Diagnostic Reports shall be sent."

::= { dot11WNMRequestEntry 39 }

dot11WNMRqstDiagBssid OBJECT-TYPE

SYNTAX MacAddress

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates a request for a Diagnostic Report from the indicated BSSID. The BSSID shall be set to the wildcard BSSID when diagnostics from any BSSID is requested."

DEFVAL { 'FFFFFFFFFFFF'H }

::= { dot11WNMRequestEntry 40 }

dot11WNMRqstDiagProfileId OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates a unique identifier for referencing a configuration profile available on a device. The value of the identifier can be any arbitrary value, as long as it is uniquely associated to a single configuration profile on the device sending the identifier."

::= { dot11WNMRequestEntry 41 }

dot11WNMRqstDiagCredentials OBJECT-TYPE

SYNTAX INTEGER {

none(0),

preSharedKey(1),

usernamePassword(2),

x509Certificate(3),

otherCertificate(4),

oneTimePassword(5),

token(6)

}

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the type of credential used for the IEEE 802.1X authentication."

::= { dot11WNMRequestEntry 42 }

dot11WNMRqstLocConfigLocIndParams OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(16))

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates STA Location reporting characteristics. The format of these Location Indication Parameters are detailed in 8.4.2.73.2 (Location Indication Parameters subelement)."

::= { dot11WNMRequestEntry 43 }

dot11WNMRqstLocConfigChanList OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..252))

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute lists location reporting channel information for this Location Configuration request. The default value is null. Each pair of octets indicates a different operating class and channel number for this request. The detailed format for this list of channels is described in 8.4.2.73.3 (Location Indication Channels subelement)."

DEFVAL { ''H }

::= { dot11WNMRequestEntry 44 }

dot11WNMRqstLocConfigBcastRate OBJECT-TYPE

SYNTAX Unsigned32 (0..65535)

UNITS "0.5Mbps"

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the target data rate, in 0.5Mb/s units, at which the STA transmits Location Track Notification frames. A value of 0 indicates the STA transmits Location Track Notification frames at a rate chosen by the STA transmitting the Location Track Notification frames."

::= { dot11WNMRequestEntry 45 }

dot11WNMRqstLocConfigOptions OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..255))

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the location track indication options used, see 8.4.2.73.9 (Location Indication Options subelement)."

DEFVAL { ''H }

::= { dot11WNMRequestEntry 46 }

dot11WNMRqstBssTransitQueryReason OBJECT-TYPE

SYNTAX INTEGER {

unspecified(0),

excessiveFrameLossRatesPoorConditions(1),

excessiveDelayForCurrentTrafficStreams(2),

insufficientQosCapacityForCurrentTrafficStreams(3),

firstAssociationToEss(4),

loadBalancing(5),

betterApFound(6),

deauthenticatedDisassociatedFromPreviousAp(7),

apFailedIeee8021XEapAuthentication(8),

apFailed4wayHandshake(9),

receivedTooManyReplayCounterFailures(10),

receivedTooManyDataMICFailures(11),

exceededMaxNumberOfRetransmissions(12),

receivedTooManyBroadcastDisassociations(13),

receivedTooManyBroadcastDeauthentications(14),

previousTransitionFailed(15),

lowRSSI(16)

}

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the reason for the BSS Transition Query. The format for this list of reasons is further detailed in 8.4.2.70.2 (Transition event report)."

::= { dot11WNMRequestEntry 47 }

dot11WNMRqstBssTransitReqMode OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(1))

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the type of BSS request transition. b0 (least significant bit) indicates the Preferred Candidate list is included in this frame. b1 indicates an abridged format for all BSSIDs not listed in this frame. b2 indicates that the STA will be disassociated for the current AP. b3 indicates the BSS is shutting down and that the STA will be disassociated. b4 indicates that the will be disassociated from the ESS. The format for this field is detailed in 8.5.14.9 (BSS Transition Management Request frame format)."

::= { dot11WNMRequestEntry 48 }

dot11WNMRqstBssTransitDisocTimer OBJECT-TYPE

SYNTAX Unsigned32 (0..65535)

UNITS "TBTTs"

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the number of beacon transmission times (TBTTs) until the serving AP sends a Disassociation frame to this STA. Value zero indicates unknown. If the Disassociation Imminent bit of the Request Mode field is set to 0, this field is ignored."

::= { dot11WNMRequestEntry 49 }

dot11WNMRqstBssTransitSessInfoURL OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute contains a variable-length field formatted in accordance with IETF RFC 3986-2005."

::= { dot11WNMRequestEntry 50 }

dot11WNMRqstBssTransitCandidateList OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..2304))

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute lists one or more Neighbor Report elements described in 8.4.2.39 (Neighbor Report element). If the STA has no Transition Candidate information in response to the BSS Transition Management Query frame, the candidate list is null. "

::= { dot11WNMRequestEntry 51 }

dot11WNMRqstColocInterfAutoEnable OBJECT-TYPE

SYNTAX TruthValue

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute, when true, indicates that the requesting STA requests the receiving STA to send the Collocated Interference Response frames periodically with the Report Period interval, as defined in 8.5.14.13 (Collocated Interference Request frame format), or when the STA detects a change in the collocated interference."

::= { dot11WNMRequestEntry 52 }

dot11WNMRqstColocInterfRptTimeout OBJECT-TYPE

SYNTAX Unsigned32 (0..127)

UNITS "100 TUs"

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute indicates the minimum duration between two consecutive Collocated Interference Response frames from the reporting STA."

::= { dot11WNMRequestEntry 53 }

dot11WNMRqstVendorSpecific OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..255))

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute provides an envelope for any optional vendor specific subelements that may be included in a WNM request element. The default value is null."

DEFVAL { ''H }

::= { dot11WNMRequestEntry 54}

dot11WNMRqstDestinationURI OBJECT-TYPE

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

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a control variable.

It is written by an external management entity when making a management request. Changes take effect when dot11WNMRqstRowStatus is set to Active.

This attribute provides the Destination URI which defines an alternate destination for the WNM request. The alternate destination may be an internet address on an Ethernet adapter, for example, to be used when the wireless link to the requesting entity is unavailable or unreliable. The default value is null."

DEFVAL { ''H }

::= { dot11WNMRequestEntry 55}

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

-- \* End of dot11WNMRequest TABLE

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

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

-- \* Wireless network management reports:

-- \* Report tables contain WNM reports received by this STA or

-- \* results of WNM requests performed by this STA.

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

dot11WNMReport OBJECT IDENTIFIER ::= { dot11WirelessNetworkManagement 2 }

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

-- \* dot11WNMVendorSpecificReport TABLE

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

dot11WNMVendorSpecificReportTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot11WNMVendorSpecificReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Group contains the current list of Vendor Specific reports that have been received by the MLME. The report tables shall be maintained as FIFO to preserve freshness, thus the rows in this table can be deleted for memory constraints or other implementation constraints determined by the vendor. New rows shall have different RprtIndex values than those deleted within the range limitation of the index. One easy way is to monotonically increase RprtIndex for new reports being written in the table."

::= { dot11WNMReport 1 }

dot11WNMVendorSpecificReportEntry OBJECT-TYPE

SYNTAX Dot11WNMVendorSpecificReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in the dot11WNMVendorSpecificReportTable Indexed by dot11WNMVendorSpecificRprtIndex."

INDEX { dot11WNMVendorSpecificRprtIndex }

::= { dot11WNMVendorSpecificReportTable 1 }

Dot11WNMVendorSpecificReportEntry ::=

SEQUENCE {

dot11WNMVendorSpecificRprtIndex Unsigned32,

dot11WNMVendorSpecificRprtRqstToken OCTET STRING,

dot11WNMVendorSpecificRprtIfIndex InterfaceIndex,

dot11WNMVendorSpecificRprtContent OCTET STRING }

dot11WNMVendorSpecificRprtIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index for Vendor Specific Report elements in dot11WNMVendorSpecificReportTable, greater than 0."

::= { dot11WNMVendorSpecificReportEntry 1 }

dot11WNMVendorSpecificRprtRqstToken OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the request token that was indicated in the WNM request that generated this measurement report. This should be an exact match to the original dot11WNMRqstToken attribute. Note that there may be multiple entries in the table that match this value since a single request may generate multiple WNM reports."

::= { dot11WNMVendorSpecificReportEntry 2 }

dot11WNMVendorSpecificRprtIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The ifIndex for this row of WNMVendorSpecific Report has been received on."

::= { dot11WNMVendorSpecificReportEntry 3 }

dot11WNMVendorSpecificRprtContent OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..255))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute provides an envelope for all the vendor specific subelements that may be included in a WNM Vendor Specific request element. The default value is null."

DEFVAL { ''H }

::= { dot11WNMVendorSpecificReportEntry 4 }

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

-- \* End of dot11WNMVendorSpecificReport TABLE

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

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

-- \* dot11WNMMulticastDiagnosticReport TABLE

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

dot11WNMMulticastDiagnosticReportTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot11WNMMulticastDiagnosticReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Group contains the current list of Multicast Diagnostic reports that have been received by the MLME. The report tables shall be maintained as FIFO to preserve freshness, thus the rows in this table can be deleted for memory constraints or other implementation constraints determined by the vendor. New rows shall have different RprtIndex values than those deleted within the range limitation of the index. One easy way is to monotonically increase RprtIndex for new reports being written in the table."

::= { dot11WNMReport 2 }

dot11WNMMulticastDiagnosticReportEntry OBJECT-TYPE

SYNTAX Dot11WNMMulticastDiagnosticReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in the dot11WNMMulticastDiagnosticReportTable Indexed by dot11WNMMulticastDiagnosticRprtIndex."

INDEX { dot11WNMMulticastDiagnosticRprtIndex }

::= { dot11WNMMulticastDiagnosticReportTable 1 }

Dot11WNMMulticastDiagnosticReportEntry ::=

SEQUENCE {

dot11WNMMulticastDiagnosticRprtIndex Unsigned32,

dot11WNMMulticastDiagnosticRprtRqstToken OCTET STRING,

dot11WNMMulticastDiagnosticRprtIfIndex InterfaceIndex,

dot11WNMMulticastDiagnosticRprtMeasurementTime TSFType,

dot11WNMMulticastDiagnosticRprtDuration Unsigned32,

dot11WNMMulticastDiagnosticRprtMcstGroup MacAddress,

dot11WNMMulticastDiagnosticRprtReason OCTET STRING,

dot11WNMMulticastDiagnosticRprtRcvdMsduCount Unsigned32,

dot11WNMMulticastDiagnosticRprtFirstSeqNumber Unsigned32,

dot11WNMMulticastDiagnosticRprtLastSeqNumber Unsigned32,

dot11WNMMulticastDiagnosticRprtMcstRate Unsigned32 }

dot11WNMMulticastDiagnosticRprtIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index for Multicast Diagnostic Report elements in dot11WNMMulticastDiagnosticReportTable, greater than 0."

::= { dot11WNMMulticastDiagnosticReportEntry 1 }

dot11WNMMulticastDiagnosticRprtRqstToken OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the request token that was indicated in the WNM request that generated this measurement report. This should be an exact match to the original dot11WNMRqstToken attribute. Note that there may be multiple entries in the table that match this value since a single request may generate multiple WNM reports."

::= { dot11WNMMulticastDiagnosticReportEntry 2 }

dot11WNMMulticastDiagnosticRprtIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The ifIndex for this row of WNMMulticastDiagnostic Report has been received on."

::= { dot11WNMMulticastDiagnosticReportEntry 3 }

dot11WNMMulticastDiagnosticRprtMeasurementTime OBJECT-TYPE

SYNTAX TSFType

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the value of the STA TSF timer at the time the measurement started. For a triggered Multicast Diagnostics report, this is the TSF value at the reporting STA when the trigger condition was met. When the reason for sending the report is Performance Measurement and the Multicast Received MSDU Count is nonzero, the Measurement Time field is set to the value of the STA TSF timer at the time of the first multicast MSDU received during the measurement interval."

::= { dot11WNMMulticastDiagnosticReportEntry 4 }

dot11WNMMulticastDiagnosticRprtDuration OBJECT-TYPE

SYNTAX Unsigned32

UNITS "TUs"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the period over which the Multicast Diagnostic Report was generated, expressed in units of TUs."

::= { dot11WNMMulticastDiagnosticReportEntry 5 }

dot11WNMMulticastDiagnosticRprtMcstGroup OBJECT-TYPE

SYNTAX MacAddress

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

Multicast Group address indicates the MAC address of the multicast group for this report element."

::= { dot11WNMMulticastDiagnosticReportEntry 6 }

dot11WNMMulticastDiagnosticRprtReason OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(1))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the reason why the measuring STA sent the Multicast Diagnostics report. b0 (least significant bit) indicates Inactivity Timeout Trigger. b1 indicates the measurement result from the completed measurement. These are defined further in 8.4.2.24.12 (Multicast Diagnostics Report)."

::= { dot11WNMMulticastDiagnosticReportEntry 7 }

dot11WNMMulticastDiagnosticRprtRcvdMsduCount OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the total number of multicast MSDUs with the indicated Multicast MAC Address that were received during the Measurement Duration. For a triggered multicast diagnostics measurement this is the total number of MSDUs received between the acceptance of the multicast diagnostics measurement request and the occurrence of the trigger condition for MSDUs with the indicated Multicast MAC Address."

::= { dot11WNMMulticastDiagnosticReportEntry 8 }

dot11WNMMulticastDiagnosticRprtFirstSeqNumber OBJECT-TYPE

SYNTAX Unsigned32 (0..65535)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the twelve least significant bits of the First Sequence Number field. When the LSB of the first octet of the Multicast MAC address field in the multicast diagnostic request is set to 1, the twelve LSBs of the First Sequence Number field contain the sequence number of the first frame received with destination address equal to the value in the Multicast MAC address field during the measurement period. When the LSB of the first octet of the Multicast MAC address field in the multicast diagnostic request is set to 0, the twelve LSBs of the First Sequence Number field contain the sequence number of the first group addressed frame, that does not have the broadcast MAC address as its destination, received during the measurement period. The four most significant bits of the First Sequence Number field are set to zero. This field is set to 0 if the Multicast Received MSDU Count is 0."

::= { dot11WNMMulticastDiagnosticReportEntry 9 }

dot11WNMMulticastDiagnosticRprtLastSeqNumber OBJECT-TYPE

SYNTAX Unsigned32 (0..65535)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the twelve least significant bits of the Last Sequence Number field. When the LSB of the first octet of the Multicast MAC address field in the multicast diagnostic request is set to 1, the twelve LSBs of the Last Sequence Number field contain the sequence number of the last frame received with destination address equal to the value in the Multicast MAC address field during the measurement period. When the LSB of the first octet of the Multicast MAC address field in the multicast diagnostic request is 0, the twelve LSBs of the Last Sequence Number field contain the sequence number of the last group addressed frame, that does not have the broadcast MAC address as its destination, received during the measurement period. The four most significant bits of the Last Sequence Number field are set to zero. This field is set to 0 if the Multicast Received MSDU Count is 0."

::= { dot11WNMMulticastDiagnosticReportEntry 10 }

dot11WNMMulticastDiagnosticRprtMcstRate OBJECT-TYPE

SYNTAX Unsigned32 (0..65535)

UNITS "0.5Mbps"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the highest data rate, in 0.5 Mb/s units, at which the STA has received a group addressed frame with a valid FCS during the measurement period.The Multicast Rate field is encoded with the MSB set to 1 to indicate that the data rate is in the basic rate set, and set to 0 to indicate that the data rate is not in the basic rate set. The remaining 15 bit value is multiplied by 0.5 Mb/s to indicate the data rate. The Multicast Rate field is set to 0 by the STA to indicate that it has not received a group addressed frame with a valid FCS during the measurement period."

::= { dot11WNMMulticastDiagnosticReportEntry 11 }

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

-- \* End of dot11WNMMulticastDiagnosticReport TABLE

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

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

-- \* dot11WNMLocationCivicReport TABLE

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

dot11WNMLocationCivicReportTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot11WNMLocationCivicReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Group contains the current list of Location Civic reports that have been received by the MLME. The report tables shall be maintained as FIFO to preserve freshness, thus the rows in this table can be deleted for memory constraints or other implementation constraints determined by the vendor. New rows shall have different RprtIndex values than those deleted within the range limitation of the index. One easy way is to monotonically increase RprtIndex for new reports being written in the table."

::= { dot11WNMReport 3 }

dot11WNMLocationCivicReportEntry OBJECT-TYPE

SYNTAX Dot11WNMLocationCivicReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in the dot11WNMLocationCivicReportTable Indexed by dot11WNMLocationCivicRprtIndex."

INDEX { dot11WNMLocationCivicRprtIndex }

::= { dot11WNMLocationCivicReportTable 1 }

Dot11WNMLocationCivicReportEntry ::=

SEQUENCE {

dot11WNMLocationCivicRprtIndex Unsigned32,

dot11WNMLocationCivicRprtRqstToken OCTET STRING,

dot11WNMLocationCivicRprtIfIndex InterfaceIndex,

dot11WNMLocationCivicRprtCivicLocation OCTET STRING }

dot11WNMLocationCivicRprtIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index for Location Civic Report elements in dot11WNMLocationCivicReportTable, greater than 0."

::= { dot11WNMLocationCivicReportEntry 1 }

dot11WNMLocationCivicRprtRqstToken OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the request token that was indicated in the WNM request that generated this measurement report. This should be an exact match to the original dot11WNMRqstToken attribute. Note that there may be multiple entries in the table that match this value since a single request may generate multiple WNM reports."

::= { dot11WNMLocationCivicReportEntry 2 }

dot11WNMLocationCivicRprtIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The ifIndex for this row of WNMLocationCivic Report has been received on."

::= { dot11WNMLocationCivicReportEntry 3 }

dot11WNMLocationCivicRprtCivicLocation OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates a variable octet field and contains a list of civic address elements in TLV format as defined in IETF RFC 4776-2006."

::= { dot11WNMLocationCivicReportEntry 4}

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

-- \* End of dot11WNMLocationCivicReport TABLE

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

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

-- \* dot11WNMLocationIdentifierReport TABLE

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

dot11WNMLocationIdentifierReportTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot11WNMLocationIdentifierReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Group contains the current list of Location Identifier reports that have been received by the MLME. The report tables shall be maintained as FIFO to preserve freshness, thus the rows in this table can be deleted for memory constraints or other implementation constraints determined by the vendor. New rows shall have different RprtIndex values than those deleted within the range limitation of the index. One easy way is to monotonically increase RprtIndex for new reports being written in the table."

::= { dot11WNMReport 4 }

dot11WNMLocationIdentifierReportEntry OBJECT-TYPE

SYNTAX Dot11WNMLocationIdentifierReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in the dot11WNMLocationIdentifierReportTable Indexed by dot11WNMLocationIdentifierRprtIndex."

INDEX { dot11WNMLocationIdentifierRprtIndex }

::= { dot11WNMLocationIdentifierReportTable 1 }

Dot11WNMLocationIdentifierReportEntry ::=

SEQUENCE {

dot11WNMLocationIdentifierRprtIndex Unsigned32,

dot11WNMLocationIdentifierRprtRqstToken OCTET STRING,

dot11WNMLocationIdentifierRprtIfIndex InterfaceIndex,

dot11WNMLocationIdentifierRprtExpirationTSF TSFType,

dot11WNMLocationIdentifierRprtPublicIdUri OCTET STRING }

dot11WNMLocationIdentifierRprtIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index for Location Identifier Report elements in dot11WNMLocationIdentifierReportTable, greater than 0."

::= { dot11WNMLocationIdentifierReportEntry 1 }

dot11WNMLocationIdentifierRprtRqstToken OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the request token that was indicated in the WNM request that generated this measurement report. This should be an exact match to the original dot11WNMRqstToken attribute. Note that there may be multiple entries in the table that match this value since a single request may generate multiple WNM reports."

::= { dot11WNMLocationIdentifierReportEntry 2 }

dot11WNMLocationIdentifierRprtIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The ifIndex for this row of WNMLocationIdentifier Report has been received on."

::= { dot11WNMLocationIdentifierReportEntry 3 }

dot11WNMLocationIdentifierRprtExpirationTSF OBJECT-TYPE

SYNTAX TSFType

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the value of the STA TSF timer when the Public Identifier URI field value is no longer valid. The Expiration TSF field set to 0 indicates the Public Identifier URI does not expire."

::= { dot11WNMLocationIdentifierReportEntry 4 }

dot11WNMLocationIdentifierRprtPublicIdUri OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates a value in URI format that points to a location object. It can be used to return the location value for the requesting STA. The format of the location value returned when the URI is dereferenced is dependent on the provider of the URI and is beyond the scope of this document. The Public Identifier URI confirms the validity of the location estimate to an external agent when a STA forwards a location estimate to that agent. The protocol used to query the infrastructure for a location report based on the Public Identifier URI is beyond the scope of this standard."

::= { dot11WNMLocationIdentifierReportEntry 5}

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

-- \* End of dot11WNMLocationIdentifierReport TABLE

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

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

-- \* dot11WNMEventTransitReport TABLE

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

dot11WNMEventTransitReportTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot11WNMEventTransitReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Group contains the current list of Transition Event reports that have been received by the MLME. The report tables shall be maintained as FIFO to preserve freshness, thus the rows in this table can be deleted for memory constraints or other implementation constraints determined by the vendor. New rows shall have different RprtIndex values than those deleted within the range limitation of the index. One easy way is to monotonically increase RprtIndex for new reports being written in the table."

::= { dot11WNMReport 5 }

dot11WNMEventTransitReportEntry OBJECT-TYPE

SYNTAX Dot11WNMEventTransitReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in the dot11WNMEventTransitReportTable Indexed by dot11WNMEventTransitRprtIndex."

INDEX { dot11WNMEventTransitRprtIndex }

::= { dot11WNMEventTransitReportTable 1 }

Dot11WNMEventTransitReportEntry ::=

SEQUENCE {

dot11WNMEventTransitRprtIndex Unsigned32,

dot11WNMEventTransitRprtRqstToken OCTET STRING,

dot11WNMEventTransitRprtIfIndex InterfaceIndex,

dot11WNMEventTransitRprtEventStatus INTEGER,

dot11WNMEventTransitRprtEventTSF TSFType,

dot11WNMEventTransitRprtUTCOffset OCTET STRING,

dot11WNMEventTransitRprtTimeError OCTET STRING,

dot11WNMEventTransitRprtSourceBssid MacAddress,

dot11WNMEventTransitRprtTargetBssid MacAddress,

dot11WNMEventTransitRprtTransitTime Unsigned32,

dot11WNMEventTransitRprtTransitReason INTEGER,

dot11WNMEventTransitRprtTransitResult Unsigned32,

dot11WNMEventTransitRprtSourceRCPI Unsigned32,

dot11WNMEventTransitRprtSourceRSNI Unsigned32,

dot11WNMEventTransitRprtTargetRCPI Unsigned32,

dot11WNMEventTransitRprtTargetRSNI Unsigned32 }

dot11WNMEventTransitRprtIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index for Transition Event Report elements in dot11WNMEventTransitReportTable, greater than 0."

::= { dot11WNMEventTransitReportEntry 1 }

dot11WNMEventTransitRprtRqstToken OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the request token that was indicated in the WNM request that generated this measurement report. This should be an exact match to the original dot11WNMRqstToken attribute. Note that there may be multiple entries in the table that match this value since a single request may generate multiple WNM reports."

::= { dot11WNMEventTransitReportEntry 2 }

dot11WNMEventTransitRprtIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The ifIndex for this row of WNMEventTransit Report has been received on."

::= { dot11WNMEventTransitReportEntry 3 }

dot11WNMEventTransitRprtEventStatus OBJECT-TYPE

SYNTAX INTEGER {

successful(0),

requestFailed(1),

requestRefused(2),

requestIncapable(3),

detectedFrequentTransition(4)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains the status value included in the Event Report."

::= { dot11WNMEventTransitReportEntry 4 }

dot11WNMEventTransitRprtEventTSF OBJECT-TYPE

SYNTAX TSFType

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains the value of the Event timestamp field."

::= { dot11WNMEventTransitReportEntry 5 }

dot11WNMEventTransitRprtUTCOffset OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(10))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the UTC Offset Time Value optionally included in the Event Report."

::= { dot11WNMEventTransitReportEntry 6 }

dot11WNMEventTransitRprtTimeError OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(5))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains the value of the Event Time Error field optionally included in the Event Report. "

::= { dot11WNMEventTransitReportEntry 7 }

dot11WNMEventTransitRprtSourceBssid OBJECT-TYPE

SYNTAX MacAddress

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the source BSSID for the reported transition event."

::= { dot11WNMEventTransitReportEntry 8 }

dot11WNMEventTransitRprtTargetBssid OBJECT-TYPE

SYNTAX MacAddress

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the target BSSID for the reported transition event."

::= { dot11WNMEventTransitReportEntry 9 }

dot11WNMEventTransitRprtTransitTime OBJECT-TYPE

SYNTAX Unsigned32 (0..65535)

UNITS "TUs"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the transition time for the reported transition event in TUs. The Transition time is defined as the time difference between the starting time and the ending time of a transition between APs, even if the transition results in remaining on the same AP. Start and end times for a transition event are defined in 10.23.2.2 (Transition event request and report)"

::= { dot11WNMEventTransitReportEntry 10 }

dot11WNMEventTransitRprtTransitReason OBJECT-TYPE

SYNTAX INTEGER {

unspecified(0),

excessiveFrameLossRatesPoorConditions(1),

excessiveDelayForCurrentTrafficStreams(2),

insufficientQosCapacityForCurrentTrafficStreams(3),

firstAssociationToEss(4),

loadBalancing(5),

betterApFound(6),

deauthenticatedDisassociatedFromPreviousAp(7),

apFailedIeee8021XEapAuthentication(8),

apFailed4wayHandshake(9),

receivedTooManyReplayCounterFailures(10),

receivedTooManyDataMICFailures(11),

exceededMaxNumberOfRetransmissions(12),

receivedTooManyBroadcastDisassociations(13),

receivedTooManyBroadcastDeauthentications(14),

previousTransitionFailed(15),

lowRSSI(16)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the reason for the reported BSS Transition event. The format for this list of reasons is further detailed in 8.4.2.70.2 (Transition event report)."

::= { dot11WNMEventTransitReportEntry 11 }

dot11WNMEventTransitRprtTransitResult OBJECT-TYPE

SYNTAX Unsigned32(0..65535)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the result of the attempted transition and is set to one of the status codes specified in Table 8-36 (Status codes) in 8.4.1.9 (Status Code field)."

::= { dot11WNMEventTransitReportEntry 12 }

dot11WNMEventTransitRprtSourceRCPI OBJECT-TYPE

SYNTAX Unsigned32(0..255)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the received channel power of the most recently measured frame from the Source BSSID before the STA reassociates to the Target BSSID. The Source RCPI is reported in dBm, as defined in the RCPI measurement clause for the PHY Type."

::= { dot11WNMEventTransitReportEntry 13 }

dot11WNMEventTransitRprtSourceRSNI OBJECT-TYPE

SYNTAX Unsigned32(0..255)

UNITS "0.5 dB"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the received signal-to-noise indication of the most recently measured frame from the Source BSSID before the STA reassociates to the Target BSSID. The Source RSNI is reported in dB, as defined in 8.4.2.43 (RSNI element)."

::= { dot11WNMEventTransitReportEntry 14 }

dot11WNMEventTransitRprtTargetRCPI OBJECT-TYPE

SYNTAX Unsigned32(0..255)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the received channel power of the first measured frame just after STA reassociates to the Target BSSID. If association with target BSSID failed, the Target RCPI field indicates the received channel power of the most recently measured frame from the Target BSSID. The Target RCPI is reported in dBm, as defined in the RCPI measurement clause for the PHY Type."

::= { dot11WNMEventTransitReportEntry 15 }

dot11WNMEventTransitRprtTargetRSNI OBJECT-TYPE

SYNTAX Unsigned32(0..255)

UNITS "0.5 dB"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the received signal-to-noise indication of the first measured frame just after STA reassociates to the Target BSSID. If association with target BSSID failed, the Target RCPI field indicates the received signal-to-noise indication of the most recently measured frame from the Target BSSID. The Target RSNI is reported in dB, as defined in 8.4.2.43 (RSNI element)."

::= { dot11WNMEventTransitReportEntry 16 }

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

-- \* End of dot11WNMEventTransitReport TABLE

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

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

-- \* dot11WNMEventRsnaReport TABLE

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

dot11WNMEventRsnaReportTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot11WNMEventRsnaReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Group contains the current list of RSNA Event reports that have been received by the MLME. The report tables shall be maintained as FIFO to preserve freshness, thus the rows in this table can be deleted for memory constraints or other implementation constraints determined by the vendor. New rows shall have different RprtIndex values than those deleted within the range limitation of the index. One easy way is to monotonically increase RprtIndex for new reports being written in the table."

::= { dot11WNMReport 6 }

dot11WNMEventRsnaReportEntry OBJECT-TYPE

SYNTAX Dot11WNMEventRsnaReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in the dot11WNMEventRsnaReportTable Indexed by dot11WNMEventRsnaRprtIndex."

INDEX { dot11WNMEventRsnaRprtIndex }

::= { dot11WNMEventRsnaReportTable 1 }

Dot11WNMEventRsnaReportEntry ::=

SEQUENCE {

dot11WNMEventRsnaRprtIndex Unsigned32,

dot11WNMEventRsnaRprtRqstToken OCTET STRING,

dot11WNMEventRsnaRprtIfIndex InterfaceIndex,

dot11WNMEventRsnaRprtEventStatus INTEGER,

dot11WNMEventRsnaRprtEventTSF TSFType,

dot11WNMEventRsnaRprtUTCOffset OCTET STRING,

dot11WNMEventRsnaRprtTimeError OCTET STRING,

dot11WNMEventRsnaRprtTargetBssid MacAddress,

dot11WNMEventRsnaRprtAuthType OCTET STRING,

dot11WNMEventRsnaRprtEapMethod OCTET STRING,

dot11WNMEventRsnaRprtResult Unsigned32,

dot11WNMEventRsnaRprtRsnElement OCTET STRING }

dot11WNMEventRsnaRprtIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index for RSNA Event Report elements in dot11WNMEventRsnaReportTable, greater than 0."

::= { dot11WNMEventRsnaReportEntry 1 }

dot11WNMEventRsnaRprtRqstToken OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the request token that was indicated in the WNM request that generated this measurement report. This should be an exact match to the original dot11WNMRqstToken attribute. Note that there may be multiple entries in the table that match this value since a single request may generate multiple WNM reports."

::= { dot11WNMEventRsnaReportEntry 2 }

dot11WNMEventRsnaRprtIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The ifIndex for this row of WNMEventRsna Report has been received on."

::= { dot11WNMEventRsnaReportEntry 3 }

dot11WNMEventRsnaRprtEventStatus OBJECT-TYPE

SYNTAX INTEGER {

successful(0),

requestFailed(1),

requestRefused(2),

requestIncapable(3),

detectedFrequentTransition(4)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains the status value included in the Event Report."

::= { dot11WNMEventRsnaReportEntry 4 }

dot11WNMEventRsnaRprtEventTSF OBJECT-TYPE

SYNTAX TSFType

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains the value of the Event timestamp field."

::= { dot11WNMEventRsnaReportEntry 5 }

dot11WNMEventRsnaRprtUTCOffset OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(10))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the UTC Offset Time Value optionally included in the Event Report."

::= { dot11WNMEventRsnaReportEntry 6 }

dot11WNMEventRsnaRprtTimeError OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(5))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains the value of the Event Time Error field optionally included in the Event Report."

::= { dot11WNMEventRsnaReportEntry 7 }

dot11WNMEventRsnaRprtTargetBssid OBJECT-TYPE

SYNTAX MacAddress

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the BSSID of the AP accepting the authorization attempt."

::= { dot11WNMEventRsnaReportEntry 8 }

dot11WNMEventRsnaRprtAuthType OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(4))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the AKM suite, as defined in Table 8-100 (AKM suite selectors) in 8.4.2.27.3 (AKM suites). The first three octets indicate the OUI. The last octet indicates the suite type."

::= { dot11WNMEventRsnaReportEntry 9 }

dot11WNMEventRsnaRprtEapMethod OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(1..8))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates a value that identifies the EAP Method. When the Authentication Type field is set to the value of either 00-0F-AC:1 (Authentication negotiated over IEEE 802.1X or using PMKSA caching as defined in 11.4.8.3 (Cached PMKSAs and RSNA key management)) or 00-0F-AC:3 (AKM suite selector for Fast BSS Transition as defined in 11.5.1.7 (FT key hierarchy)), the EAP Method field contains the IANA assigned EAP type defined at http://www.iana.org/assignments/eap-numbers. The EAP type contains either the legacy type (1 octet) or the expanded type (1 octet type = 254, 3-octet Vendor ID, 4-octet Vendor-Type). The EAP Method field is set to 0 otherwise."

::= { dot11WNMEventRsnaReportEntry 10 }

dot11WNMEventRsnaRprtResult OBJECT-TYPE

SYNTAX Unsigned(0..65535)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the result of the RSNA event and is set to one of the status codes specified in Table 8-36 (Status codes) in 8.4.1.9 (Status Code field)."

::= { dot11WNMEventRsnaReportEntry 11 }

dot11WNMEventRsnaRprtRsnElement OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains the entire contents of the negotiated RSN element at the time of the authentication attempt. The maximum length of the RSN Element field is less than the maximum length of an RSN element, as defined in 8.4.2.27 (RSN element). If the length of the RSN element included here exceeds the maximum length of the RSN Element field, the RSN element shall be truncated to the maximum length allowed for the RSN Element field."

::= { dot11WNMEventRsnaReportEntry 12 }

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

-- \* End of dot11WNMEventRsnaReport TABLE

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

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

-- \* dot11WNMEventPeerReport TABLE

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

dot11WNMEventPeerReportTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot11WNMEventPeerReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Group contains the current list of Peer-to-Peer Event reports that have been received by the MLME. The report tables shall be maintained as FIFO to preserve freshness, thus the rows in this table can be deleted for memory constraints or other implementation constraints determined by the vendor. New rows shall have different RprtIndex values than those deleted within the range limitation of the index. One easy way is to monotonically increase RprtIndex for new reports being written in the table."

::= { dot11WNMReport 7 }

dot11WNMEventPeerReportEntry OBJECT-TYPE

SYNTAX Dot11WNMEventPeerReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in the dot11WNMEventPeerReportTable Indexed by dot11WNMEventPeerRprtIndex."

INDEX { dot11WNMEventPeerRprtIndex }

::= { dot11WNMEventPeerReportTable 1 }

Dot11WNMEventPeerReportEntry ::=

SEQUENCE {

dot11WNMEventPeerRprtIndex Unsigned32,

dot11WNMEventPeerRprtRqstToken OCTET STRING,

dot11WNMEventPeerRprtIfIndex InterfaceIndex,

dot11WNMEventPeerRprtEventStatus INTEGER,

dot11WNMEventPeerRprtEventTSF TSFType,

dot11WNMEventPeerRprtUTCOffset OCTET STRING,

dot11WNMEventPeerRprtTimeError OCTET STRING,

dot11WNMEventPeerRprtPeerMacAddress MacAddress,

dot11WNMEventPeerRprtOperatingClass Unsigned32,

dot11WNMEventPeerRprtChanNumber Unsigned32,

dot11WNMEventPeerRprtStaTxPower Integer32,

dot11WNMEventPeerRprtConnTime Unsigned32,

dot11WNMEventPeerRprtPeerStatus INTEGER }

dot11WNMEventPeerRprtIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index for Peer-to-Peer Event Report elements in dot11WNMEventPeerReportTable, greater than 0."

::= { dot11WNMEventPeerReportEntry 1 }

dot11WNMEventPeerRprtRqstToken OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the request token that was indicated in the WNM request that generated this measurement report. This should be an exact match to the original dot11WNMRqstToken attribute. Note that there may be multiple entries in the table that match this value since a single request may generate multiple WNM reports."

::= { dot11WNMEventPeerReportEntry 2 }

dot11WNMEventPeerRprtIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The ifIndex for this row of WNMEventPeer Report has been received on."

::= { dot11WNMEventPeerReportEntry 3 }

dot11WNMEventPeerRprtEventStatus OBJECT-TYPE

SYNTAX INTEGER {

successful(0),

requestFailed(1),

requestRefused(2),

requestIncapable(3),

detectedFrequentTransition(4)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains the status value included in the Event Report."

::= { dot11WNMEventPeerReportEntry 4 }

dot11WNMEventPeerRprtEventTSF OBJECT-TYPE

SYNTAX TSFType

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains the value of the Event timestamp field."

::= { dot11WNMEventPeerReportEntry 5 }

dot11WNMEventPeerRprtUTCOffset OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(10))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the UTC Offset Time Value optionally included in the Event Report."

::= { dot11WNMEventPeerReportEntry 6 }

dot11WNMEventPeerRprtTimeError OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(5))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains the value of the Event Time Error field optionally included in the Event Report."

::= { dot11WNMEventPeerReportEntry 7 }

dot11WNMEventPeerRprtPeerMacAddress OBJECT-TYPE

SYNTAX MacAddress

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the MAC address of the peer STA or IBSS BSSID. If this event is for a Peer-to-Peer link in an infrastructure BSS, this field contains the MAC address of the peer STA. If this event is for a Peer-to-Peer link in an IBSS, this field contains the BSSID of the IBSS."

::= { dot11WNMEventPeerReportEntry 8 }

dot11WNMEventPeerRprtOperatingClass OBJECT-TYPE

SYNTAX Unsigned32(1..255)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the channel set for this Peer-to-Peer Event report. Country, Operating Class and Channel Number together specify the channel frequency and spacing for this measurement request. Valid values of Operating Class as shown in Annex E."

::= { dot11WNMEventPeerReportEntry 9 }

dot11WNMEventPeerRprtChanNumber OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the current operating channel for this Peer-to-Peer Event report. The Channel Number is only defined within the indicated Operating Class as shown in Annex E."

::= { dot11WNMEventPeerReportEntry 10 }

dot11WNMEventPeerRprtStaTxPower OBJECT-TYPE

SYNTAX Integer32 (-128..127)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the STA transmit power used for the Peer-to-Peer link. The STA Tx Power field indicates the target transmit power at the antenna in dBm with a tolerance of +/-5dB for the lowest basic rate of the reporting STA."

::= { dot11WNMEventPeerReportEntry 11 }

dot11WNMEventPeerRprtConnTime OBJECT-TYPE

SYNTAX Unsigned32 (0..16777215)

UNITS "seconds"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates a value representing the connection time for the reported Peer-to-Peer event. If the Peer Status is 0, this field indicates the duration of the Direct Link. If the Peer Status is 1, this field indicates the time difference from the time the Direct Link was established to the time at which the reporting STA generated the event report. If the Peer Status is 2, this field indicates the duration of the IBSS membership. If the Peer Status is 3, this field indicates the time difference from the time the STA joined the IBSS to the time at which the reporting STA generated the event report. See 10.23.2.4 (Peer-to-Peer Link event request and report)."

::= { dot11WNMEventPeerReportEntry 12 }

dot11WNMEventPeerRprtPeerStatus OBJECT-TYPE

SYNTAX INTEGER {

directLinkTerminated(0),

directLinkActive(1),

ibssMembershipTerminated(2),

ibssMembershipActive(3)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the peer link connection status."

::= { dot11WNMEventPeerReportEntry 13 }

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

-- \* End of dot11WNMEventPeerReport TABLE

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

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

-- \* dot11WNMEventWNMLogReport TABLE

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

dot11WNMEventWNMLogReportTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot11WNMEventWNMLogReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Group contains the current list of WNMLog Event reports that have been received by the MLME. The report tables shall be maintained as FIFO to preserve freshness, thus the rows in this table can be deleted for memory constraints or other implementation constraints determined by the vendor. New rows shall have different RprtIndex values than those deleted within the range limitation of the index. One easy way is to monotonically increase RprtIndex for new reports being written in the table."

::= { dot11WNMReport 8 }

dot11WNMEventWNMLogReportEntry OBJECT-TYPE

SYNTAX Dot11WNMEventWNMLogReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in the dot11WNMEventWNMLogReportTable Indexed by dot11WNMEventWNMLogRprtIndex."

INDEX { dot11WNMEventWNMLogRprtIndex }

::= { dot11WNMEventWNMLogReportTable 1 }

Dot11WNMEventWNMLogReportEntry ::=

SEQUENCE {

dot11WNMEventWNMLogRprtIndex Unsigned32,

dot11WNMEventWNMLogRprtRqstToken OCTET STRING,

dot11WNMEventWNMLogRprtIfIndex InterfaceIndex,

dot11WNMEventWNMLogRprtEventStatus INTEGER,

dot11WNMEventWNMLogRprtEventTSF TSFType,

dot11WNMEventWNMLogRprtUTCOffset OCTET STRING,

dot11WNMEventWNMLogRprtTimeError OCTET STRING,

dot11WNMEventWNMLogRprtContent OCTET STRING }

dot11WNMEventWNMLogRprtIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index for WNMLog Event Report elements in dot11WNMEventWNMLogReportTable, greater than 0."

::= { dot11WNMEventWNMLogReportEntry 1 }

dot11WNMEventWNMLogRprtRqstToken OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the request token that was indicated in the WNM request that generated this measurement report. This should be an exact match to the original dot11WNMRqstToken attribute. Note that there may be multiple entries in the table that match this value since a single request may generate multiple WNM reports."

::= { dot11WNMEventWNMLogReportEntry 2 }

dot11WNMEventWNMLogRprtIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The ifIndex for this row of WNMEventWNMLog Report has been received on."

::= { dot11WNMEventWNMLogReportEntry 3 }

dot11WNMEventWNMLogRprtEventStatus OBJECT-TYPE

SYNTAX INTEGER {

successful(0),

requestFailed(1),

requestRefused(2),

requestIncapable(3),

detectedFrequentTransition(4)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains the status value included in the Event Report."

::= { dot11WNMEventWNMLogReportEntry 4 }

dot11WNMEventWNMLogRprtEventTSF OBJECT-TYPE

SYNTAX TSFType

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains the value of the Event timestamp field."

::= { dot11WNMEventWNMLogReportEntry 5 }

dot11WNMEventWNMLogRprtUTCOffset OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(10))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the UTC Offset Time Value optionally included in the Event Report."

::= { dot11WNMEventWNMLogReportEntry 6 }

dot11WNMEventWNMLogRprtTimeError OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(5))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains the value of the Event Time Error field optionally included in the Event Report."

::= { dot11WNMEventWNMLogReportEntry 7 }

dot11WNMEventWNMLogRprtContent OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..2284))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains the entire syslog message, consisting of the PRI, HEADER, and MSG portion of a WNM Log message as described in IETF RFC 3164-2001. The TAG field of the MSG portion of the message is a 17 octet string containing the ASCII representation of the STA MAC address using hexadecimal notation with colons between octets. The octet containing the individual/group bit occurs last, and that bit is in the least significant position within that octet. See 10.23.2.5 (WNM Log event request and report)."

::= { dot11WNMEventWNMLogReportEntry 8 }

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

-- \* End of dot11WNMEventWNMLogReport TABLE

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

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

-- \* dot11WNMDiagMfrInfoReport TABLE

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

dot11WNMDiagMfrInfoReportTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot11WNMDiagMfrInfoReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Group contains the current list of Manufacturer Information STA reports that have been received by the MLME. The report tables shall be maintained as FIFO to preserve freshness, thus the rows in this table can be deleted for memory constraints or other implementation constraints determined by the vendor. New rows shall have different RprtIndex values than those deleted within the range limitation of the index. One easy way is to monotonically increase RprtIndex for new reports being written in the table."

::= { dot11WNMReport 9 }

dot11WNMDiagMfrInfoReportEntry OBJECT-TYPE

SYNTAX Dot11WNMDiagMfrInfoReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in the dot11WNMDiagMfrInfoReportTable Indexed by dot11WNMDiagMfrInfoRprtIndex."

INDEX { dot11WNMDiagMfrInfoRprtIndex }

::= { dot11WNMDiagMfrInfoReportTable 1 }

Dot11WNMDiagMfrInfoReportEntry ::=

SEQUENCE {

dot11WNMDiagMfrInfoRprtIndex Unsigned32,

dot11WNMDiagMfrInfoRprtRqstToken OCTET STRING,

dot11WNMDiagMfrInfoRprtIfIndex InterfaceIndex,

dot11WNMDiagMfrInfoRprtEventStatus INTEGER,

dot11WNMDiagMfrInfoRprtMfrOi OCTET STRING,

dot11WNMDiagMfrInfoRprtMfrIdString OCTET STRING,

dot11WNMDiagMfrInfoRprtMfrModelString OCTET STRING,

dot11WNMDiagMfrInfoRprtMfrSerialNumberString OCTET STRING,

dot11WNMDiagMfrInfoRprtMfrFirmwareVersion OCTET STRING,

dot11WNMDiagMfrInfoRprtMfrAntennaType OCTET STRING,

dot11WNMDiagMfrInfoRprtCollocRadioType INTEGER,

dot11WNMDiagMfrInfoRprtDeviceType INTEGER,

dot11WNMDiagMfrInfoRprtCertificateID OCTET STRING}

dot11WNMDiagMfrInfoRprtIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index for Manufacturer Information STA Report elements in dot11WNMDiagMfrInfoReportTable, greater than 0."

::= { dot11WNMDiagMfrInfoReportEntry 1 }

dot11WNMDiagMfrInfoRprtRqstToken OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the request token that was indicated in the WNM request that generated this measurement report. This should be an exact match to the original dot11WNMRqstToken attribute. Note that there may be multiple entries in the table that match this value since a single request may generate multiple WNM reports."

::= { dot11WNMDiagMfrInfoReportEntry 2 }

dot11WNMDiagMfrInfoRprtIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The ifIndex for this row of WNMDiagMfrInfo Report has been received on."

::= { dot11WNMDiagMfrInfoReportEntry 3 }

dot11WNMDiagMfrInfoRprtEventStatus OBJECT-TYPE

SYNTAX INTEGER {

successful(0),

requestFailed(1),

requestRefused(2),

requestIncapable(3),

detectedFrequentTransition(4)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains the status value included in the Event Report."

::= { dot11WNMDiagMfrInfoReportEntry 4}

dot11WNMDiagMfrInfoRprtMfrOi OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..5))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the Manufacturer OI for the reported Manufacturer Information STA Diagnostic. The OUI attribute contains an Organizational Unique Identification, the first 24-bits of the network connected device that indicate the specific vendor for that device."

::= { dot11WNMDiagMfrInfoReportEntry 5 }

dot11WNMDiagMfrInfoRprtMfrIdString OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..255))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the Manufacturer ID string for the reported Manufacturer Information STA Diagnostic. The ID attribute contains an ASCII string indicating the manufacturer identifier of the wireless network adaptor. This string is not null terminated."

::= { dot11WNMDiagMfrInfoReportEntry 6 }

dot11WNMDiagMfrInfoRprtMfrModelString OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..255))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the Manufacturer model string for the reported Manufacturer Information STA Diagnostic. The model attribute contains an ASCII string indicating the model of the wireless network adaptor. This string is not null terminated."

::= { dot11WNMDiagMfrInfoReportEntry 7 }

dot11WNMDiagMfrInfoRprtMfrSerialNumberString OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..255))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the Manufacturer serial number string for the reported Manufacturer Information STA Diagnostic. The serial number attribute contains an ASCII string indicating the serial number of the wireless network adaptor. This string is not null terminated."

::= { dot11WNMDiagMfrInfoReportEntry 8 }

dot11WNMDiagMfrInfoRprtMfrFirmwareVersion OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..255))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the Manufacturer firmware version string for the reported Manufacturer Information STA Diagnostic. The firmware version attribute contains an ASCII string identifying the version of firmware currently installed on the wireless network adaptor. This string is not null terminated."

::= { dot11WNMDiagMfrInfoReportEntry 9 }

dot11WNMDiagMfrInfoRprtMfrAntennaType OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..255))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the Manufacturer antenna type string for the reported Manufacturer Information STA Diagnostic. The first octet of this string indicates the antenna count, and the second octet indicates the antenna gain. The antenna gain indicates the peak gain in dBi of the antenna connected to the wireless network adaptor. The remaining octets contain an ASCII string indicating the type of antenna connected to the wireless network adaptor."

::= { dot11WNMDiagMfrInfoReportEntry 10 }

dot11WNMDiagMfrInfoRprtCollocRadioType OBJECT-TYPE

SYNTAX INTEGER {

reserved(0),

cellular(1),

cordless(2),

gps(3),

ieee80211(4),

ieee80215(5),

ieee80216(6),

ieee80220(7),

ieee80222(8),

digitalAudioBroadcasting(9),

digitalVideoBroadcasting(10)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

" This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains the type of the collocated radio."

::= { dot11WNMDiagMfrInfoReportEntry 11 }

dot11WNMDiagMfrInfoRprtDeviceType OBJECT-TYPE

SYNTAX INTEGER {

reserved(0),

referenceDesign(1),

accessPointWirelessRouterSoho(2),

enterpriseAccessPoint(3),

broadbandGateway(4),

digitalStillCamera(5),

portableVideoCamera(6),

networkedWebCamera(7),

digitalAudioStationary(8),

digitalAudioPortable(9),

setTopBoxMediaServer(10),

tvMonitorDigitalPictureFrame(11),

gameConsoleGameAdaptor(12),

gamingDevice(13),

mediaServerMediaAdaptor(14),

networkStorageDevice(15),

externalCard(16),

internalCard(17),

ultraMobilPc(18),

notebookComputer(19),

personalDigitalAssistant(20),

printerPrintServer(21),

phoneDualMode(22),

phoneSingleMode(23),

smartphoneDualMode(24),

smartphoneSingleMode(25),

otherDevices(221)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the type of device in which the IEEE 802.11 STA resides."

::= { dot11WNMDiagMfrInfoReportEntry 12 }

dot11WNMDiagMfrInfoRprtCertificateID OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..251))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the Certificate ID for the

reported Manufacturer Information STA Diagnostic."

::= { dot11WNMDiagMfrInfoReportEntry 13 }

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

-- \* End of dot11WNMDiagMfrInfoReport TABLE

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

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

-- \* dot11WNMDiagConfigProfReport TABLE

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

dot11WNMDiagConfigProfReportTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot11WNMDiagConfigProfReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Group contains the current list of Configuration Profile reports that have been received by the MLME. The report tables shall be maintained as FIFO to preserve freshness, thus the rows in this table can be deleted for memory constraints or other implementation constraints determined by the vendor. New rows shall have different RprtIndex values than those deleted within the range limitation of the index. One easy way is to monotonically increase RprtIndex for new reports being written in the table."

::= { dot11WNMReport 10 }

dot11WNMDiagConfigProfReportEntry OBJECT-TYPE

SYNTAX Dot11WNMDiagConfigProfReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in the dot11WNMDiagConfigProfReportTable Indexed by dot11WNMDiagConfigProfRprtIndex."

INDEX { dot11WNMDiagConfigProfRprtIndex }

::= { dot11WNMDiagConfigProfReportTable 1 }

Dot11WNMDiagConfigProfReportEntry ::=

SEQUENCE {

dot11WNMDiagConfigProfRprtIndex Unsigned32,

dot11WNMDiagConfigProfRprtRqstToken OCTET STRING,

dot11WNMDiagConfigProfRprtIfIndex InterfaceIndex,

dot11WNMDiagConfigProfRprtEventStatus INTEGER,

dot11WNMDiagConfigProfRprtProfileId Unsigned32,

dot11WNMDiagConfigProfRprtSupportedOperatingClasses OCTET STRING,

dot11WNMDiagConfigProfRprtTxPowerMode INTEGER,

dot11WNMDiagConfigProfRprtTxPowerLevels OCTET STRING,

dot11WNMDiagConfigProfRprtCipherSuite OCTET STRING,

dot11WNMDiagConfigProfRprtAkmSuite OCTET STRING,

dot11WNMDiagConfigProfRprtEapType Unsigned32,

dot11WNMDiagConfigProfRprtEapVendorID OCTET STRING,

dot11WNMDiagConfigProfRprtEapVendorType OCTET STRING,

dot11WNMDiagConfigProfRprtCredentialType INTEGER,

dot11WNMDiagConfigProfRprtSSID OCTET STRING,

dot11WNMDiagConfigProfRprtPowerSaveMode INTEGER }

dot11WNMDiagConfigProfRprtIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index for Configuration Profile Report elements in dot11WNMDiagConfigProfReportTable, greater than 0."

::= { dot11WNMDiagConfigProfReportEntry 1 }

dot11WNMDiagConfigProfRprtRqstToken OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the request token that was indicated in the WNM request that generated this measurement report. This should be an exact match to the original dot11WNMRqstToken attribute. Note that there may be multiple entries in the table that match this value since a single request may generate multiple WNM reports."

::= { dot11WNMDiagConfigProfReportEntry 2 }

dot11WNMDiagConfigProfRprtIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The ifIndex for this row of WNMDiagConfigProf Report has been received on."

::= { dot11WNMDiagConfigProfReportEntry 3 }

dot11WNMDiagConfigProfRprtEventStatus OBJECT-TYPE

SYNTAX INTEGER {

successful(0),

requestFailed(1),

requestRefused(2),

requestIncapable(3),

detectedFrequentTransition(4)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains the status value included in the Event Report."

::= { dot11WNMDiagConfigProfReportEntry 4}

dot11WNMDiagConfigProfRprtProfileId OBJECT-TYPE

SYNTAX Unsigned32 (0..255)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates a unique identifier for referencing a configuration profile available on a device. The value of the identifier can be any arbitrary value, as long as it is uniquely associated to a single configuration profile on the device sending the identifier."

::= { dot11WNMDiagConfigProfReportEntry 5 }

dot11WNMDiagConfigProfRprtSupportedOperatingClasses OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..255))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the current Operating Class followed by a list of each Supported Operating Class, as defined in 8.4.2.56 (Supported Operating Classes element). Each octet contains an integer representing a operating class. Operating Classes are defined in Annex E. The default value is null."

DEFVAL { ''H }

::= { dot11WNMDiagConfigProfReportEntry 6 }

dot11WNMDiagConfigProfRprtTxPowerMode OBJECT-TYPE

SYNTAX INTEGER {

fixedPowerMode(0),

automaticPowerMode(1)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the power mode of the STA."

::= { dot11WNMDiagConfigProfReportEntry 7 }

dot11WNMDiagConfigProfRprtTxPowerLevels OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(1..255))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute lists the power levels for the STA. Each octet contains an integer representing a power level encoded as a 2's complement value in dBm, rounded to the nearest integer. If the Power Mode is automatic, the list contains only the minimum and the maximum power levels for the STA. If the Power Mode is fixed, the list contains one or more fixed power level settings available at this STA, arranged in increasing numerical order."

::= { dot11WNMDiagConfigProfReportEntry 8 }

dot11WNMDiagConfigProfRprtCipherSuite OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(4))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the cipher suite, as defined in Table 8-98 (Cipher suite selectors). The first three octets indicate the OUI. The last octet indicates the suite type."

::= { dot11WNMDiagConfigProfReportEntry 9 }

dot11WNMDiagConfigProfRprtAkmSuite OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(4))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the AKM suite, as defined in Table 8-100 (AKM suite selectors) in 8.4.2.27.3 (AKM suites). The first three octets indicate the OUI. The last octet indicates the suite type."

::= { dot11WNMDiagConfigProfReportEntry 10 }

dot11WNMDiagConfigProfRprtEapType OBJECT-TYPE

SYNTAX Unsigned32 (0..255)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the single EAP method used by the STA. Valid EAP Type numbers are assigned by IANA and are defined at http://www.iana.org/assignments/eap-numbers."

::= { dot11WNMDiagConfigProfReportEntry 11 }

dot11WNMDiagConfigProfRprtEapVendorID OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..3))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the EAP Vendor ID number for the EAP method used by the STA. The EAP Vendor ID field is included when the EAP Type field is set to 254, and is excluded otherwise."

::= { dot11WNMDiagConfigProfReportEntry 12 }

dot11WNMDiagConfigProfRprtEapVendorType OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..4))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the EAP Vendor Type number for the EAP method used by the STA. The EAP Vendor Type field is included when the EAP Type field is set to 254, and is excluded otherwise."

::= { dot11WNMDiagConfigProfReportEntry 13 }

dot11WNMDiagConfigProfRprtCredentialType OBJECT-TYPE

SYNTAX INTEGER {

none(0),

preSharedKey(1),

userNamePassword(2),

x509Certificate(3),

otherCertificate(4),

oneTimePassword(5),

token(6)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the type of IEEE 802.1X credentials used by the STA for this authentication diagnostic."

::= { dot11WNMDiagConfigProfReportEntry 14 }

dot11WNMDiagConfigProfRprtSSID OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(1..32))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the SSID for the diagnostic report, as defined in 8.4.2.2 (SSID element)."

::= { dot11WNMDiagConfigProfReportEntry 15 }

dot11WNMDiagConfigProfRprtPowerSaveMode OBJECT-TYPE

SYNTAX INTEGER {

unknownMode(0),

none(1),

psDtims1Mode(2),

psDtims0Mode(3),

uapsdMode(4),

sapsdMode(5),

upsmpMode(6),

spsmpMode(7),

smpsMode(8),

wnmSleepMode(9),

fmsMode(10),

timBroadcastMode(11),

tfsMode(12),

tdlsPeerUapsdMode(13),

tdlsPeerPsmMode(14)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the power save mode in use by the STA, as defined in Table 8-146 (Power Save Mode definition)."

::= { dot11WNMDiagConfigProfReportEntry 16 }

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

-- \* End of dot11WNMDiagConfigProfReport TABLE

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

-- \* dot11WNMDiagAssocReport TABLE

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

dot11WNMDiagAssocReportTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot11WNMDiagAssocReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Group contains the current list of Association Diagnostic reports that have been received by the MLME. The report tables shall be maintained as FIFO to preserve freshness, thus the rows in this table can be deleted for memory constraints or other implementation constraints determined by the vendor. New rows shall have different RprtIndex values than those deleted within the range limitation of the index. One easy way is to monotonically increase RprtIndex for new reports being written in the table."

::= { dot11WNMReport 11 }

dot11WNMDiagAssocReportEntry OBJECT-TYPE

SYNTAX Dot11WNMDiagAssocReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in the dot11WNMDiagAssocReportTable Indexed by dot11WNMDiagAssocRprtIndex."

INDEX { dot11WNMDiagAssocRprtIndex }

::= { dot11WNMDiagAssocReportTable 1 }

Dot11WNMDiagAssocReportEntry ::=

SEQUENCE {

dot11WNMDiagAssocRprtIndex Unsigned32,

dot11WNMDiagAssocRprtRqstToken OCTET STRING,

dot11WNMDiagAssocRprtIfIndex InterfaceIndex,

dot11WNMDiagAssocRprtEventStatus INTEGER,

dot11WNMDiagAssocRprtBssid MacAddress,

dot11WNMDiagAssocRprtOperatingClass Unsigned32,

dot11WNMDiagAssocRprtChannelNumber Unsigned32,

dot11WNMDiagAssocRprtStatusCode Unsigned32 }

dot11WNMDiagAssocRprtIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index for Association Diagnostic Report elements in dot11WNMDiagAssocReportTable, greater than 0."

::= { dot11WNMDiagAssocReportEntry 1 }

dot11WNMDiagAssocRprtRqstToken OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the request token that was indicated in the WNM request that generated this measurement report. This should be an exact match to the original dot11WNMRqstToken attribute. Note that there may be multiple entries in the table that match this value since a single request may generate multiple WNM reports."

::= { dot11WNMDiagAssocReportEntry 2 }

dot11WNMDiagAssocRprtIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The ifIndex for this row of WNMDiagAssoc Report has been received on."

::= { dot11WNMDiagAssocReportEntry 3 }

dot11WNMDiagAssocRprtEventStatus OBJECT-TYPE

SYNTAX INTEGER {

successful(0),

requestFailed(1),

requestRefused(2),

requestIncapable(3),

detectedFrequentTransition(4)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains the status value included in the Event Report."

::= { dot11WNMDiagAssocReportEntry 4 }

dot11WNMDiagAssocRprtBssid OBJECT-TYPE

SYNTAX MacAddress

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the BSSID for the target AP for this Association Diagnostic Report."

::= { dot11WNMDiagAssocReportEntry 5 }

dot11WNMDiagAssocRprtOperatingClass OBJECT-TYPE

SYNTAX Unsigned32(1..255)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the channel set for the target AP for this Association Diagnostic Report. Country, Operating Class and Channel Number together specify the channel frequency and spacing for this measurement request. Valid values of Operating Class as shown in Annex E."

::= { dot11WNMDiagAssocReportEntry 6 }

dot11WNMDiagAssocRprtChannelNumber OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the operating channel of the target AP for this Association Diagnostic Report. The Channel Number is only defined within the indicated Operating Class as sown in Annex E."

::= { dot11WNMDiagAssocReportEntry 7 }

dot11WNMDiagAssocRprtStatusCode OBJECT-TYPE

SYNTAX Unsigned32(0..65535)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the result of the association diagnostic and is set to one of the status codes specified in Table 8-36 (Status codes) in 8.4.1.9 (Status Code field)."

::= { dot11WNMDiagAssocReportEntry 8 }

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

-- \* End of dot11WNMDiagAssocReport TABLE

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

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

-- \* dot11WNMDiag8021xAuthReport TABLE

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

dot11WNMDiag8021xAuthReportTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot11WNMDiag8021xAuthReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Group contains the current list of IEEE 802.1X Authentication Diagnostic reports that have been received by the MLME. The report tables shall be maintained as FIFO to preserve freshness, thus the rows in this table can be deleted for memory constraints or other implementation constraints determined by the vendor. New rows shall have different RprtIndex values than those deleted within the range limitation of the index. One easy way is to monotonically increase RprtIndex for new reports being written in the table."

::= { dot11WNMReport 12 }

dot11WNMDiag8021xAuthReportEntry OBJECT-TYPE

SYNTAX Dot11WNMDiag8021xAuthReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in the dot11WNMDiag8021xAuthReportTable Indexed by dot11WNMDiag8021xAuthRprtIndex."

INDEX { dot11WNMDiag8021xAuthRprtIndex }

::= { dot11WNMDiag8021xAuthReportTable 1 }

Dot11WNMDiag8021xAuthReportEntry ::=

SEQUENCE {

dot11WNMDiag8021xAuthRprtIndex Unsigned32,

dot11WNMDiag8021xAuthRprtRqstToken OCTET STRING,

dot11WNMDiag8021xAuthRprtIfIndex InterfaceIndex,

dot11WNMDiag8021xAuthRprtEventStatus INTEGER,

dot11WNMDiag8021xAuthRprtBssid MacAddress,

dot11WNMDiag8021xAuthRprtOperatingClass Unsigned32,

dot11WNMDiag8021xAuthRprtChannelNumber Unsigned32,

dot11WNMDiag8021xAuthRprtEapType Unsigned32,

dot11WNMDiag8021xAuthRprtEapVendorID OCTET STRING,

dot11WNMDiag8021xAuthRprtEapVendorType OCTET STRING,

dot11WNMDiag8021xAuthRprtCredentialType INTEGER,

dot11WNMDiag8021xAuthRprtStatusCode Unsigned32 }

dot11WNMDiag8021xAuthRprtIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index for IEEE 802.1X Authentication Diagnostic Report elements in dot11WNMDiag8021xAuthReportTable, greater than 0."

::= { dot11WNMDiag8021xAuthReportEntry 1 }

dot11WNMDiag8021xAuthRprtRqstToken OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the request token that was indicated in the WNM request that generated this measurement report. This should be an exact match to the original dot11WNMRqstToken attribute. Note that there may be multiple entries in the table that match this value since a single request may generate multiple WNM reports."

::= { dot11WNMDiag8021xAuthReportEntry 2 }

dot11WNMDiag8021xAuthRprtIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The ifIndex for this row of WNMDiag8021xAuth Report has been received on."

::= { dot11WNMDiag8021xAuthReportEntry 3 }

dot11WNMDiag8021xAuthRprtEventStatus OBJECT-TYPE

SYNTAX INTEGER {

successful(0),

requestFailed(1),

requestRefused(2),

requestIncapable(3),

detectedFrequentTransition(4)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains the status value included in the Event Report."

::= { dot11WNMDiag8021xAuthReportEntry 4 }

dot11WNMDiag8021xAuthRprtBssid OBJECT-TYPE

SYNTAX MacAddress

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the BSSID for the target AP for this Authentication Diagnostic Report."

::= { dot11WNMDiag8021xAuthReportEntry 5 }

dot11WNMDiag8021xAuthRprtOperatingClass OBJECT-TYPE

SYNTAX Unsigned32(1..255)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the channel set for the target AP for this Authentication Diagnostic Report. Country, Operating Class and Channel Number together specify the channel frequency and spacing for this measurement request. Valid values of Operating Class as shown in Annex E."

::= { dot11WNMDiag8021xAuthReportEntry 6 }

dot11WNMDiag8021xAuthRprtChannelNumber OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the operating channel of the target AP for this Authentication Diagnostic Report. The Channel Number is only defined within the indicated Operating Class as shown in Annex E."

::= { dot11WNMDiag8021xAuthReportEntry 7 }

dot11WNMDiag8021xAuthRprtEapType OBJECT-TYPE

SYNTAX Unsigned32 (0..255)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the single EAP method used by the STA. Valid EAP Type numbers are assigned by IANA and are defined at http://www.iana.org/assignments/eap-numbers."

::= { dot11WNMDiag8021xAuthReportEntry 8 }

dot11WNMDiag8021xAuthRprtEapVendorID OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..3))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the EAP Vendor ID number for the EAP method used by the STA. The EAP Vendor ID field is included when the EAP Type field is set to 254, and is excluded otherwise."

::= { dot11WNMDiag8021xAuthReportEntry 9 }

dot11WNMDiag8021xAuthRprtEapVendorType OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..4))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the EAP Vendor Type number for the EAP method used by the STA. The EAP Vendor Type field is included when the EAP Type field is set to 254, and is excluded otherwise."

::= { dot11WNMDiag8021xAuthReportEntry 10 }

dot11WNMDiag8021xAuthRprtCredentialType OBJECT-TYPE

SYNTAX INTEGER {

none(0),

preSharedKey(1),

userNamePassword(2),

x509Certificate(3),

otherCertificate(4),

oneTimePassword(5),

token(6)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the type of IEEE 802.1X credentials used by the STA for this authentication diagnostic."

::= { dot11WNMDiag8021xAuthReportEntry 11 }

dot11WNMDiag8021xAuthRprtStatusCode OBJECT-TYPE

SYNTAX Unsigned32 (0..65535)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the result of the authentication diagnostic and is set to one of the status codes specified in Table 8-36 (Status codes)."

::= { dot11WNMDiag8021xAuthReportEntry 12 }

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

-- \* End of dot11WNMDiag8021xAuthReport TABLE

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

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

-- \* dot11WNMLocConfigReport TABLE

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

dot11WNMLocConfigReportTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot11WNMLocConfigReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Group contains the current list of Location Configuration reports that have been received by the MLME. The report tables shall be maintained as FIFO to preserve freshness, thus the rows in this table can be deleted for memory constraints or other implementation constraints determined by the vendor. New rows shall have different RprtIndex values than those deleted within the range limitation of the index. One easy way is to monotonically increase RprtIndex for new reports being written in the table."

::= { dot11WNMReport 13 }

dot11WNMLocConfigReportEntry OBJECT-TYPE

SYNTAX Dot11WNMLocConfigReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in the dot11WNMLocConfigReportTable Indexed by dot11WNMLocConfigRprtIndex."

INDEX { dot11WNMLocConfigRprtIndex }

::= { dot11WNMLocConfigReportTable 1 }

Dot11WNMLocConfigReportEntry ::=

SEQUENCE {

dot11WNMLocConfigRprtIndex Unsigned32,

dot11WNMLocConfigRprtRqstToken OCTET STRING,

dot11WNMLocConfigRprtIfIndex InterfaceIndex,

dot11WNMLocConfigRprtLocIndParams OCTET STRING,

dot11WNMLocConfigRprtLocIndChanList OCTET STRING,

dot11WNMLocConfigRprtLocIndBcastRate Unsigned32,

dot11WNMLocConfigRprtLocIndOptions OCTET STRING,

dot11WNMLocConfigRprtStatusConfigSubelemId INTEGER,

dot11WNMLocConfigRprtStatusResult INTEGER,

dot11WNMLocConfigRprtVendorSpecificRprtContent OCTET STRING }

dot11WNMLocConfigRprtIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index for Location Configuration Report elements in dot11WNMLocConfigReportTable, greater than 0."

::= { dot11WNMLocConfigReportEntry 1 }

dot11WNMLocConfigRprtRqstToken OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the request token that was indicated in the WNM request that generated this measurement report. This should be an exact match to the original dot11WNMRqstToken attribute. Note that there may be multiple entries in the table that match this value since a single request may generate multiple WNM reports."

::= { dot11WNMLocConfigReportEntry 2 }

dot11WNMLocConfigRprtIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"The ifIndex for this row of WNMLocConfig Report has been received on."

::= { dot11WNMLocConfigReportEntry 3 }

dot11WNMLocConfigRprtLocIndParams OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(16))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates STA Location reporting characteristics. The format of these Location Indication Parameters are detailed in 8.4.2.73.2 (Location Indication Parameters subelement)."

::= { dot11WNMLocConfigReportEntry 4 }

dot11WNMLocConfigRprtLocIndChanList OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..254))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute lists location indication reporting channel information for this Location Configuration Report. The default value is null. Each pair of octets indicates a different Operating Class and channel number for this request. The detailed format for this list of channels as described in 8.4.2.73.3 (Location Indication Channels subelement)."

DEFVAL { ''H }

::= { dot11WNMLocConfigReportEntry 5 }

dot11WNMLocConfigRprtLocIndBcastRate OBJECT-TYPE

SYNTAX Unsigned32 (0..65535)

UNITS "0.5Mbps"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the data rate, in 0.5Mb/s units, at which the STA broadcasts its Location Track Notification frames."

::= { dot11WNMLocConfigReportEntry 6 }

dot11WNMLocConfigRprtLocIndOptions OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..255))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the location track indication options used, see 8.4.2.73.9 (Location Indication Options subelement)."

::= { dot11WNMLocConfigReportEntry 7}

dot11WNMLocConfigRprtStatusConfigSubelemId OBJECT-TYPE

SYNTAX INTEGER {

multipleSubelemIds(0),

locationIndicationParams(1),

locationIndicationChannels(2),

locationStatus(3),

radioInformation(4),

motion(5),

locationIndicationBcastDataRate(6),

timeOfDeparture(7),

vendorSpecific(8)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute is set to a specific Location Parameters subelement ID transmitted in a Location Configuration Request frame. If the following StatusResult attribute field value applies to more than one subelement then the Config subelement ID is set to 0. If the Status field value applies to one subelement, then a Location Status subelement may be included in the Location Configuration Response for each configuration subelement that has a non-Success Status value."

::= { dot11WNMLocConfigReportEntry 8 }

dot11WNMLocConfigRprtStatusResult OBJECT-TYPE

SYNTAX INTEGER {

successful(0),

requestFailed(1),

requestRefused(2),

requestIncapable(3),

detectedFrequentTransition(4)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains the resulting status of the Location Configuration Request frame for the indicated Location Parameter subelement ID, as listed in Table 8-136 (Event Report Status), Event Report Status."

::= { dot11WNMLocConfigReportEntry 9 }

dot11WNMLocConfigRprtVendorSpecificRprtContent OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..255))

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute provides an envelope for all the vendor specific subelements that may be included in Location Configuration Report element. The default value is null."

DEFVAL { ''H }

::= { dot11WNMLocConfigReportEntry 10 }

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

-- \* End of dot11WNMLocConfigReport TABLE

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

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

-- \* dot11WNMBssTransitReport TABLE

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

dot11WNMBssTransitReportTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot11WNMBssTransitReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Group contains the current list of BSS Transition Management reports that have been received by the MLME. The report tables shall be maintained as FIFO to preserve freshness, thus the rows in this table can be deleted for memory constraints or other implementation constraints determined by the vendor. New rows shall have different RprtIndex values than those deleted within the range limitation of the index. One easy way is to monotonically increase RprtIndex for new reports being written in the table."

::= { dot11WNMReport 14 }

dot11WNMBssTransitReportEntry OBJECT-TYPE

SYNTAX Dot11WNMBssTransitReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in the dot11WNMBssTransitReportTable Indexed by dot11WNMBssTransitRprtIndex."

INDEX { dot11WNMBssTransitRprtIndex }

::= { dot11WNMBssTransitReportTable 1 }

Dot11WNMBssTransitReportEntry ::=

SEQUENCE {

dot11WNMBssTransitRprtIndex Unsigned32,

dot11WNMBssTransitRprtRqstToken OCTET STRING,

dot11WNMBssTransitRprtIfIndex InterfaceIndex,

dot11WNMBssTransitRprtStatusCode INTEGER,

dot11WNMBssTransitRprtBSSTerminationDelay Unsigned32,

dot11WNMBssTransitRprtTargetBssid MacAddress,

dot11WNMBssTransitRprtCandidateList OCTET STRING }

dot11WNMBssTransitRprtIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index for BSS Transition Management Report elements in dot11WNMBssTransitReportTable, greater than 0."

::= { dot11WNMBssTransitReportEntry 1 }

dot11WNMBssTransitRprtRqstToken OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the request token that was indicated in the WNM request that generated this measurement report. This should be an exact match to the original dot11WNMRqstToken attribute. Note that there may be multiple entries in the table that match this value since a single request may generate multiple WNM reports."

::= { dot11WNMBssTransitReportEntry 2 }

dot11WNMBssTransitRprtIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

The ifIndex for this row of WNMBssTransit Report has been received on."

::= { dot11WNMBssTransitReportEntry 3 }

dot11WNMBssTransitRprtStatusCode OBJECT-TYPE

SYNTAX INTEGER {

accept(0),

rejectUnspecified(1),

rejectInsufficientBeacons(2),

rejectInsufficientCapacity(3),

rejectBssTerminationUndesired(4),

rejectBssTerminationDelayRequest(5),

rejectBssTransitionCandidateListProvided(6),

rejectNoSuitableBssTransitionCandidates(7),

rejectLeavingEss(8)

}

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the status of this BSS Transition report."

::= { dot11WNMBssTransitReportEntry 4 }

dot11WNMBssTransitRprtBSSTerminationDelay OBJECT-TYPE

SYNTAX Unsigned32 (1..255)

UNITS "minutes"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the number of minutes that the responding STA requests the BSS to delay termination. This attribute is included only if the Status Code field value is set to 5."

::= { dot11WNMBssTransitReportEntry 5 }

dot11WNMBssTransitRprtTargetBssid OBJECT-TYPE

SYNTAX MacAddress

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the target BSSID for this BSS Transition Report."

::= { dot11WNMBssTransitReportEntry 6 }

dot11WNMBssTransitRprtCandidateList OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(0..2304))

MAX-ACCESS read-create

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute lists one or more Neighbor Report elements which are BSS transition candidates for this request. The Neighbore Report elements are described in 8.4.2.39 (Neighbor Report element)."

::= { dot11WNMBssTransitReportEntry 7 }

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

-- \* End of dot11WNMBssTransitReport TABLE

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

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

-- \* dot11WNMColocInterfReport TABLE

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

dot11WNMColocInterfReportTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot11WNMColocInterfReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Group contains the current list of Collocated Interference reports that have been received by the MLME. The report tables shall be maintained as FIFO to preserve freshness, thus the rows in this table can be deleted for memory constraints or other implementation constraints determined by the vendor. New rows shall have different RprtIndex values than those deleted within the range limitation of the index. One easy way is to monotonically increase RprtIndex for new reports being written in the table."

::= { dot11WNMReport 16 }

dot11WNMColocInterfReportEntry OBJECT-TYPE

SYNTAX Dot11WNMColocInterfReportEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"An entry in the dot11WNMColocInterfReportTable Indexed by dot11WNMColocInterfRprtIndex."

INDEX { dot11WNMColocInterfRprtIndex }

::= { dot11WNMColocInterfReportTable 1 }

Dot11WNMColocInterfReportEntry ::=

SEQUENCE {

dot11WNMColocInterfRprtIndex Unsigned32,

dot11WNMColocInterfRprtRqstToken OCTET STRING,

dot11WNMColocInterfRprtIfIndex InterfaceIndex,

dot11WNMColocInterfRprtPeriod Unsigned32,

dot11WNMColocInterfRprtInterfLevel Integer32,

dot11WNMColocInterfRprtInterfAccuracy Unsigned32,

dot11WNMColocInterfRprtInterfIndex Unsigned32,

dot11WNMColocInterfRprtInterfInterval Integer32,

dot11WNMColocInterfRprtInterfBurstLength Integer32,

dot11WNMColocInterfRprtInterfStartTime Integer32,

dot11WNMColocInterfRprtInterfCenterFreq Integer32,

dot11WNMColocInterfRprtInterfBandwidth Unsigned32 }

dot11WNMColocInterfRprtIndex OBJECT-TYPE

SYNTAX Unsigned32

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Index for Collocated Interference Report elements in dot11WNMColocInterfReportTable, greater than 0."

::= { dot11WNMColocInterfReportEntry 1 }

dot11WNMColocInterfRprtRqstToken OBJECT-TYPE

SYNTAX OCTET STRING

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the request token that was indicated in the WNM request that generated this measurement report. This should be an exact match to the original dot11WNMRqstToken attribute. Note that there may be multiple entries in the table that match this value since a single request may generate multiple WNM reports."

::= { dot11WNMColocInterfReportEntry 2 }

dot11WNMColocInterfRprtIfIndex OBJECT-TYPE

SYNTAX InterfaceIndex

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

The ifIndex for this row of WNMColocInterf Report has been received on."

::= { dot11WNMColocInterfReportEntry 3 }

dot11WNMColocInterfRprtPeriod OBJECT-TYPE

SYNTAX Unsigned32(0..255)

UNITS "100 TU"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates how often the STA periodically reports the collocated interference. The field is in units of 100 TUs. If the Report Period field is set to 0, then the reporting is not periodic, and a report is generated when the STA detects a change in the collocated interference. See 10.23.8 (Collocated interference reporting) for further details."

::= { dot11WNMColocInterfReportEntry 4 }

dot11WNMColocInterfRprtInterfLevel OBJECT-TYPE

SYNTAX Integer32(-128..127)

UNITS "dBm"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains a signed integer indicating the maximum level of the collocated interference power in units of dBm over all receive chains averaged over a 4 s period during an interference period and across interference bandwidth. When the interference level is unknown, the field is set to +127 dBm. When the interference level is equal or greater than 126 dBm, the field is set to +126 dBm. If no collocated interference is present the field is set to -128 dBm. When the interference level is equal or lower than -127 dBm, the field is set to -127 dBm. The interference level is referenced to the antenna connector (see definition in Clause 3 (Definitions, acronyms and abbreviations)) used for reception, like RCPI."

::= { dot11WNMColocInterfReportEntry 5 }

dot11WNMColocInterfRprtInterfAccuracy OBJECT-TYPE

SYNTAX Unsigned32(0..15)

UNITS "dB"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates an unsigned integer indicating the expected accuracy of the estimate of interference in dB with 95% confidence interval. If the Interference Level field is X (dBm) and the expected accuracy field is Y (dB), the actual interference level is in the range of [X - Y, X +Y] with the probability of 95%. If the accuracy is unknown then the Expected Accuracy field is set to 15."

::= { dot11WNMColocInterfReportEntry 6 }

dot11WNMColocInterfRprtInterfIndex OBJECT-TYPE

SYNTAX Unsigned32(0..15)

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the interference index that is unique for each type of interference source. The field set to 0 indicates that no collocated interference is present. See 10.23.8 (Collocated interference reporting) for further details."

::= { dot11WNMColocInterfReportEntry 7 }

dot11WNMColocInterfRprtInterfInterval OBJECT-TYPE

SYNTAX Integer32

UNITS "microseconds"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

" This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the interval between two successive periods of interference in microseconds. When the interval between two successive periods of interference is variable the field is set to 2E32-1. When the interval between two successive periods of interference is equal or greater than 2E32-2 the field is set to 2E32-2. If no collocated interference is present the field is set to 0."

::= { dot11WNMColocInterfReportEntry 8 }

dot11WNMColocInterfRprtInterfBurstLength OBJECT-TYPE

SYNTAX Integer32

UNITS "microseconds"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the duration of each period of interference in microseconds. When the duration of each period of interference is variable the field is set to 2E32-1). When the duration of each period of interference is equal or greater than 2E32-2, the field is set to 2E32-2. If no collocated interference is present the field is set to 0."

::= { dot11WNMColocInterfReportEntry 9 }

dot11WNMColocInterfRprtInterfStartTime OBJECT-TYPE

SYNTAX Integer32

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute contains the least significant 4 octets (i.e. B0-B31) of the TSF timer at the start of the interference burst. When either the Interference Interval or the Interference Burst Length fields are set to 2E32-1, this field indicates the average duty cycle. The average duty cycle value is defined as Round-to-Integer ((2E32-2)[average interference burst length (microsecond)]/[average interference interval (microsecond)]). When the interference is non-periodic the Interference Start Time field is set to 0. If no collocated interference is present the field is set to 0."

::= { dot11WNMColocInterfReportEntry 10 }

dot11WNMColocInterfRprtInterfCenterFreq OBJECT-TYPE

SYNTAX Integer32

UNITS "5 kHz"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates center frequency of interference in units of 5 kHz. When center frequency is unknown, the center frequency of the STA's operating channel is reported. If no collocated interference is present the field is set to 0."

::= { dot11WNMColocInterfReportEntry 11 }

dot11WNMColocInterfRprtInterfBandwidth OBJECT-TYPE

SYNTAX Unsigned32 (0..65535)

UNITS "5 kHz"

MAX-ACCESS read-only

STATUS current

DESCRIPTION

"This is a status variable.

It is written by the SME when a management report is completed.

This attribute indicates the bandwidth at the -3dB roll-off point of the interference signal in 5 kHz. When bandwidth of the interference signal is unknown, the field is set to 65 535. When bandwidth of the interference signal is equal or greater than 65 534 the field is set to 65 534. If no collocated interference is present the field is set to 0."

::= { dot11WNMColocInterfReportEntry 12 }

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

-- \* End of dot11WNMColocInterfReport TABLE

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

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

-- \* END of Wireless Network Management Interface MIB

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

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

-- \* END of IEEE 802.11 RM and WNM Interface MIB

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

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

-- \* MAC Attribute Templates

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

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

-- \* dot11Operation TABLE

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

dot11OperationTable OBJECT-TYPE

SYNTAX SEQUENCE OF Dot11OperationEntry

MAX-ACCESS not-accessible

STATUS current

DESCRIPTION

"Group contains MAC attributes pertaining to the operation of the MAC. This has been implemented as a table in order to allow for multiple instantiations on an agent."

::= { dot11mac 1 }

**<BREAK>**

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

-- \* Compliance Statements - RM

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

dot11RMCompliance MODULE-COMPLIANCE

STATUS current

DESCRIPTION

"The compliance statement for SNMPv2 entities that implement the IEEE 802.11 MIB for Measurement Services."

MODULE -- this module

MANDATORY-GROUPS {

dot11SMTRMRequest,

dot11SMTRMReport,

dot11SMTRMConfig }

-- OPTIONAL-GROUPS { }

::= { dot11Compliances 3 }

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

-- \* Compliance Statements - WNM

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

dot11WNMCompliance MODULE-COMPLIANCE

STATUS current

DESCRIPTION

" This object class provides the objects from the IEEE 802.11

MIB required to manage wireless network management

functionality. Note that additional objects for managing this

functionality are located in the IEEE 802.11 WNM MIB."

MODULE -- this module

MANDATORY-GROUPS { dot11SMTRMRequest, dot11SMTRMReport, dot11SMTRMConfig }

GROUP dot11SMTbase11

DESCRIPTION "At least the dot11WirelessManagementImplemented object is required from dot11SMTbase11"

OBJECT dot11WirelessManagementImplemented

DESCRIPTION "Required object"

-- Editor Note: Moved from dot11Groups by CID 12093. Note P802.11s uses  
-- dot11Compliances 4.

::= { dot11Compliances 5 }

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

-- \* End of 802.11 MIB

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

END