Abstract

This document contains normative text updates for Annex Q to TGv draft. Updates include corrections noted since last meeting, expanded detail in several Report Tables and conformance group definitions for new MIB variables.

This document shows redlines from TGv draft 3.02.

TGv PAR explicitly requires a management interface for TGv to permit access to TGv management functions to other network management entities. TGk had similar requirement and defined Annex Q to satisfy this requirement. This contribution modifies the 802.11k Annex Q to add new MIB tables and variables for the TGv management Requests and Reports. Note that not all TGv features are management features. TGv features which are related to new services such as FBMS, TFS, etc. and which are not management features are not included in Annex Q.

Frame source files for these changes will be supplied to TGv editor.
Annex Q

Rename and modify Annex Q as shown:

(normative)

ASN.1 encoding of the RRM and WNM MIB

--- ****************************
--- * IEEE 802.11 RRM and WNM MIB
--- ****************************
--- * The primary interface to the Radio Resource Measurements and Wireless
--- * Network Management functions is meant to be real-time information
--- * obtained through the request/response mechanisms of RRM and WNM.
--- * A secondary interface to the measurements is through retention of
--- * information in this MIB. The information, meant to be retained for
--- * later access, includes the MIB entries of Annex Q. 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.

--- ****************************
--- * Radio Resource Measurement
--- ****************************

dot11RadioResourceMeasurement OBJECT IDENTIFIER ::= { dot11smt 14 }

--- ******************************
--- * dot11RRMRequest and dot11RRMReport Usage
--- *
--- * The dot11RRMRequest and dot11RRMReport portions of the RRM MIB
--- * provide access to the Radio Measurement service. By performing
--- * SET operations on the various dot11RRMRequest 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 dot11RRMReport 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 RRM MIB of
--- * STA x and specifying the MAC address of STA x in
--- * dot11RRMRqstTargetAdd. 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
--- * dot11RRMRqstTargetAdd. In both cases the result of the measurements
--- * can be retrieved by performing a MIB.get operation on the RRM MIB
--- * of STA x upon completion of the measurement.
Each STA maintains a single dot11RRMRequestTable in the SME MIB used to initiate RM Measurement Requests. Each dot11RRMRequestEntry 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 Measurement Request Action frame by setting the same dot11RRMRqstToken value into multiple dot11RRMRequestEntries.

Each row, dot11RRMRequestEntry, of the dot11RRMRequestTable provides read-create access for the initiation of a measurement request. The dot11RRMRrquestNextIndex object can be used to determine which is the next row available. Each row corresponding to one measurement in the sequence is created with a dot11RRMRqstRowStatus set to notInService. Once the dot11RRMRrquestEntry(s) have been created for a desired measurement sequence the corresponding dot11RRMRqstRowStatus(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 dot11RRMRqstRowStatus(s) object to notInService and are now available for additional measurement requests.

After a radio measurement is complete the RRM populates the RRMReport objects with the results of the measurement. Each STA maintains a set of RRMReport tables, one for each corresponding measurement type. The results of the entire measurement sequence are spread across the tables based on what types of measurements were requested. Each xxxReportEntry within a xxxReportTable contains a xxxRprtRqstToken that corresponds to the original dot11RRMRqstToken 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 Wireless Network Management Request and Reports. The WNM MIB defintions follow the RRM MIB definitions in this Annex.

--Radio Resource Measurement Requests

dot11RRMRequest OBJECT IDENTIFIER ::= { dot11RadioResourceMeasurement 1 }

--- dot11RRMRequest TABLE

---
-- * NEW WNM SECTIONS HERE!!

-- * Wireless Network Management

dot11WirelessNetworkManagement OBJECT IDENTIFIER ::= { dot11smt 15 }

-- * Wireless Network Management Requests

dot11WNMRequest OBJECT IDENTIFIER ::= { dot11WirelessNetworkManagement 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 dot11WNMReqRowStatus 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 dot11WNMReqRowStatus 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 dot11WNMReqTimeStamp 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 dot11WNMReqIndex."
INDEX { dot11WNMReqIndex }
::= { dot11WNMRequestTable 1 }

Dot11WNMRequestEntry ::= SEQUENCE {
dot11WNMReqIndex Unsigned32,
dot11WNMReqRowStatus RowStatus,
dot11WNMReqTokenType OCTET STRING,
dot11WNMReqTIFIndex InterfaceIndex,
dot11WNMReqType INTEGER,
dot11WNMReqTargetAdd MacAddress,
dot11WNMqlreqdTimeStmpTimeTicks,
dot11WNMqlreqdNdIntvlUnsigned32,
dot11WNMqlreqdQtntnUnsigned32,
dot11WNMqlreqdMcastGroupMacAddress,
dot11WNMqlreqdMcastTrgCntOctetString,

dot11WNMqlreqdLmphltReqdObjct

dot11WNMqlreqdLIRqstSubjctINTEGER,
dot11WNMqlreqdLIRqstRtrnTimtINTEGER,
dot11WNMqlreqdLIRqstValidIntervalINTEGER,
dot11WNMqlreqdLIRqstCndtListOctetString,
dot11WNMqlreqdLIRqstAutoEnBlTruthValue,

dot11WNMqlreqdLIRqstTxTrnRspTimeoutINTEGER,
dot11WNMqlreqdLIRqstTxTrnCndtListOctetString,

dot11WNMqlreqdLIRqstLIRIntvlUnitsINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
dot11WNMqlreqdLIRqstLIRqstServiceIntervalINTEGER,
::= { dot11WNMRequestEntry 2 }

dot11WNMRqstToken OBJECT-TYPE
SYNTAX OCTET STRING
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"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 net-
work 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),
   diagnostc(4)
   LocationConfiguration(5)
   bssTransitionQuery(6)
   bssTransitionRqst(7)
   fbms(8)
   ColocInterference(9)
}
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the request type of this WNM request row."
::= { dot11WNMRequestEntry 5 }

dot11RRMRqstTargetAdd OBJECT-TYPE
SYNTAX MacAddress
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"The MAC address of STA for this row of RRM Request is to be issued to. If
this attribute matches the MAC address of the dot11RRMRqstIfIndex, then
measurement request is for this STA itself to carry out."
::= { dot11RRMRequestEntry 6 }

dot11RRMRqstTimeStamp OBJECT-TYPE
SYNTAX TimeTicks
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This attribute indicates the SysUpTime Value the last time when the
dot11RRMRqstRowStatus 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."
::= { dot11RRMRequestEntry 7 }

dot11RRMRqstRndInterval OBJECT-TYPE
SYNTAX Unsigned32
UNITS "TUs"
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the upper bound of the random delay to be used
prior to making the measurement, expressed in units of TUs. See 11.10.2."
DEFVAL { 0 }
::= { dot11WNMRequestEntry 8 }

dot11WNMRqstDuration OBJECT-TYPE
SYNTAX Unsigned32
UNITS "TUs"
MAX-ACCESS read-create
STATUS current
DESCRIPTION "This attribute indicates the preferred or mandatory measurement duration
for this Measurement Request. This attribute is ignored if dot11WNMRqstType
= LCI Request or Measurement Pause."
DEFVAL { 0 }
::= { dot11WNMRequestEntry 9 }

dot11WNMRqstMcstGroup OBJECT-TYPE
SYNTAX MacAddress
MAX-ACCESS read-create
STATUS current
DESCRIPTION "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 multicast 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" }
::= { dot11WNMRequestEntry 10 }

dot11WNMMcstTrigCon OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(1))
MAX-ACCESS read-create
STATUS current
DESCRIPTION "This attribute indicates the trigger condition for the Multicast Diagnostic request."
::= { dot11WNMRequestEntry 11 }

dot11WNMRqstMcstRprtTimeout OBJECT-TYPE
SYNTAX INTEGER (1..255)
UNITS "100 TUs"
MAX-ACCESS read-create
STATUS current
DESCRIPTION "This attribute indicates a time interval value in units of 100 TU to be
used as the threshold value for the Report Timeout trigger condition."
::= { dot11WNMRequestEntry 12 }

dot11WNMRqstMcstTrigTimeout OBJECT-TYPE
SYNTAX INTEGER (1..255)
UNITS "100 TUs"
MAX-ACCESS read-create
STATUS current
DESCRIPTION "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 }

dot11WNMRqstLCCRqstSubject OBJECT-TYPE
SYNTAX INTEGER {
local(0),
remote(1)
}
MAX-ACCESS read-create
STATUS current
DESCRIPTION "The attribute indicates the subject of the LCR request."
DEFVAL { 0 }
::= { dot11WNMRequestEntry 14 }

dot11WNMRqstLCRIntervalUnits OBJECT-TYPE
SYNTAX INTEGER
seconds(0),
   minutes(1),
   hours(2),
 }
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the units used in the LCR Service Interval."
::= { dot11WNMRequestEntry 15 }
dot11WNMRqstLCRServiceInterval OBJECT-TYPE
SYNTAX INTEGER (0..65535)
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This attribute indicates the periodic interval requested for periodic
reporting of Location Civic Reports."
::= { dot11WNMRequestEntry 16 }
dot11WNMRqstLIRRequestSubject OBJECT-TYPE
SYNTAX INTEGER {
   local(0),
   remote(1)
 }
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"The attribute indicates the subject of the LIR request."
DEFVAL { 0 }
::= { dot11WNMRequestEntry 17 }
dot11WNMRqstLIRIntervalUnits OBJECT-TYPE
SYNTAX INTEGER {
   seconds(0),
   minutes(1),
   hours(2),
 }
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the units used in the LIR Service Interval."
::= { dot11WNMRequestEntry 18 }
dot11WNMRqstLIRServiceInterval OBJECT-TYPE
SYNTAX INTEGER (0..65535)
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This attribute indicates the periodic interval requested for periodic
reporting of Location Identifier Reports."
::= { dot11WNMRequestEntry 19 }
dot11WNMRqstEventToken OBJECT-TYPE
SYNTAX INTEGER (1..255)
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates a unique string to identify this request."
::= { dot11WNMRequestEntry 20 }
dot11WNMRqstEventType OBJECT-TYPE
SYNTAX INTEGER {
   transition(0),
   rsna(1),
   peerToPeer(2),
   syslog(3),
   vendorSpecific(221)
 }
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the request type of this WNM Event request."

::= { dot11WNMRequestEntry 21 }

dot11WNMRqstEventResponseLimit OBJECT-TYPE
SYNTAX INTEGER { 0..255 }
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the maximum number of requested 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 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 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 INTEGER { 0..65535 }
UNITS "TUs"
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"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 11.20.3.2"

::= { dot11WNMRequestEntry 25 }

dot11WNMRqstEventTransitMatchValue OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(1))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"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 INTEGER { 0..255 }
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"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 INTEGER (0..65535)
UNITS "TUs"
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"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 attribute indicates one of the AKM suite selectors defined in Table
7-34 in 7.3.2.25.2."
::= { dot11WNMRequestEntry 29 }

dot11WNMRqstEapType OBJECT-TYPE
SYNTAX INTEGER (0..255)
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates a value that identifies a single EAP method and
is set to any valid IANA assigned EAP type as 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 attribute indicates a value that identifies the EAP Vendor. The EAP
Vendor ID field is included when 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 attribute indicates value that identifies the EAP Type as defined by
the vendor. The EAP Vendor Type field is included when 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 attribute indicates a request for the specified transition results
that match the bit descriptions of this field. b0 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 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 }
dot11WNMRqstRegulatoryClass OBJECT-TYPE
SYNTAX INTEGER (1..255)
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the channel set for this WNM request. Country,
Regulatory Class and Channel Number together specify the channel frequency
and spacing for this measurement request. Valid values of Regulatory Class
are shown in Annex J."
REFERENCE
"Annex J"
::= { dot11WNMRequestEntry 35 }

dot11WNMRqstChanNumber OBJECT-TYPE
SYNTAX INTEGER (1..255)
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the current operating channel for this WNM
request. The Channel Number is only defined within the indicated Regula-
tory Class for this WNM request."
::= { dot11WNMRequestEntry 36 }

dot11WNMRqstDiagToken OBJECT-TYPE
SYNTAX INTEGER (1..255)
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"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 attribute indicates the request type of this WNM Diagnostic request."
::= { dot11WNMRequestEntry 38 }

dot11WNMRqstDiagTimeout OBJECT-TYPE
SYNTAX INTEGER (0..65535)
UNITS "seconds"
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"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 attribute indicates a request for a Diagnostic Report from the indi-
cated 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 INTEGER (1..255)
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"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 }

dot11WNMrgstDiag8021xCredentials OBJECT-TYPE
SYNTAX INTEGER {
   none(0),
   pre-sharedKey(1),
   configurationProfile(2),
   usernamePassword(3),
   otherCertificate(4),
   oneTimePassword(5),
   token(6),
   certificateUsernamePassword(7),
   certificateToken(8),
}
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the type of credential used for the 8021x authentication."
::= { dot11WNMRequestEntry 42 }
dot11WNMrgstLCILocIndParams OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(17))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates STA Location reporting characteristics. The format of these Location Indication Parameters are detailed in 7.3.2.66.2"
::= { dot11WNMRequestEntry 43 }
dot11WNMrgstLCIChanList OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(0..255))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute lists location reporting channel information for this LCI request. Zero length is the null default for this attribute. Each pair of octets indicates a different regulatory class and channel number for this request. The detailed format for this list of channels is described in 7.3.2.66.3"
DEFVAL { "H" }
::= { dot11WNMRequestEntry 44 }
dot11WNMrgstLCIBcastRate OBJECT-TYPE
SYNTAX INTEGER (0..65535)
UNITS "0.5Mbps"
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the data rate, in 0.5Mb/s units, at which the STA broadcasts Location Track Notification frames."
::= { dot11WNMRequestEntry 45 }
dot11WNMrgstBssTransitQueryReason OBJECT-TYPE
SYNTAX INTEGER {
   unspecified(0),
   excessiveFrameLossRatesPoorConditions(1),
   excessiveDelayForCurrentTrafficStreams(2),
   insufficientQosCapacityForCurrentTrafficStreams(3),
   firstAssociationToEss(4),
   loadBalancing(5),
   betterApFound(6),
   deauthenticatedDisassociatedFromPreviousAp(7),
   certificateToken(8),
   apFailedIeee8021XEapAuthentication(9),
   apFailed4wayHandshake(10),
excessiveDataMICFailures(11),
exceededFrameTransmissionRetryLimit(12),
excessiveBroadcastDisassociations(13),
excessiveBroadcastDeauthentications(14),
previousTransition Failed(15),

MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the reason for the BSS Transition Query. The
"format for this list of reasons is further detailed in 7.3.2.63.2."
 ::= { dot11WNMRequestEntry 46 }

dot11WNMRqstBssTransitReqMode OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(1))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the type of BSS request transition.  b0 indi-
cates 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 A. The format for this
field is detailed in 7.4.11.8."
 ::= { dot11WNMRequestEntry 47 }

dot11WNMRqstBssTransitDisocTimer OBJECT-TYPE
SYNTAX INTEGER (1..255)
UNITS "TBTTs"
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the number of beacon transmission times (TBTTs)
until the serving AP sends a Disassociation frame to this STA. If the Dis-
association Imminent bit of the Request Mode field is set to 0, this field
is ignored."
 ::= { dot11WNMRequestEntry 48 }

dot11WNMRqstBssTransitValidityInterval OBJECT-TYPE
SYNTAX INTEGER (1..255)
UNITS "TBTTs"
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the number of beacon transmission times (TBTTs)
until this recommendation of this BSS transition candidate is no longer
valid."
 ::= { dot11WNMRequestEntry 49 }

dot11WNMRqstBssTransitCandidateList OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(0..2304))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute lists one or more Neighbor Report elements described in
7.3.2.37. If the STA has no Transition Candidate information in response to
the BSS Transition Management Query frame, the candidate list size is set
to 0."
 ::= { dot11WNMRequestEntry 50 }

dot11WNMRqstColocInterfAutoEnable OBJECT-TYPE
SYNTAX TruthValue
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute, when TRUE, indicates that the requesting STA requests the
receiving STA to send the Co-located Interference Response frames automati-
cally with the Report Period interval, as defined in 7.4.11.13, or when the
STA detects a change in the co-located interference."
 ::= { dot11WNMRequestEntry 51 }

dot11WNMRqstColocInterfRptTimeout OBJECT-TYPE
SYNTAX INTEGER (0..127)
UNITS "100 TUs"
MAX-ACCESS read-create
STATUS current
DESCRIPTION

"This attribute indicates the minimum duration between two consecutive Co-
located Interference Response frames from the reporting STA."
::= { dot11WNMRqstVendorSpecificEntry 52 }

dot11WNMRqstVendorSpecific OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(0..255))
MAX-ACCESS read-create
STATUS current
DESCRIPTION

"This attribute provides an envelope for any optional vendor specific sub-
elements which may be included in a WNM equest element. Zero length is the
null default for this attribute."
DEFVAL { ''H }
::= { dot11WNMRqstVendorSpecificEntry 53 }

-- **********************************************************************
-- * End of dot11WNMRqst TABLE
-- **********************************************************************

-- * Wireless Network Management Reports:
-- * Report tables contain WNM reports received by this STA or
-- * results of WNM requests performed by this STA.
-- ********************************************************************

dot11WNMRreport 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 pre-
serve freshness, thus the rows in this table can be deleted for memory con-
stRAINTS 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."
::= { dot11WNMRreport 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 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-create  
STATUS current  
DESCRIPTION  
"This attribute provides an envelope for all the vendor specific sub-ele-  
ments which may be included in a WNM Vendor Specific request element. Zero  
length is the null default for this attribute."

DEFVAL { "H" }  

-- ********************************************************************  
-- * 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 \}  

-- **********************************************************************************  
-- * dot11WNMMulticastDiagnosticReport TABLE  
-- **********************************************************************************  

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 TSFTyp,  
dot11WNMMulticastDiagnosticRprtDuration Unsigned32,  
edot11WNMMulticastDiagnosticRprtContent OCTET STRING (SIZE(0..255))  
edot11WNMMulticastDiagnosticRprtRqstToken OCTET STRING  
edot11WNMMulticastDiagnosticRprtIfIndex InterfaceIndex  
edot11WNMMulticastDiagnosticRprtMeasurementTime TSFTyp  
edot11WNMMulticastDiagnosticRprtDuration Unsigned32  
edot11WNMMulticastDiagnosticRprtContent OCTET STRING (SIZE(0..255))"  

Copyright © 2008 IEEE. All rights reserved.  
This is an unapproved IEEE Standards Draft, subject to change.
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 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 attribute indicates the TSF value at the time when the
measurement started."
 ::= { dot11WNMMulticastDiagnosticReportEntry 4 }

dot11WNMMulticastDiagnosticRprtDuration OBJECT-TYPE
SYNTAX Unsigned32
UNITS "TUs"
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the actual duration used for this Measurement
Request. This attribute is ignored if dot11WNMRqstType = LCI Request or
Measurement Pause."
DEFVAL { 0 }
 ::= { dot11WNMMulticastDiagnosticReportEntry 5 }

dot11WNMMulticastDiagnosticRprtMcstGroup OBJECT-TYPE
SYNTAX MacAddress
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"Multicast Group address indicates the MAC address of the multicast group
for for this report element."
DEFVAL { 'FFFFFFFFFFFF'H }
 ::= { dot11WNMMulticastDiagnosticReportEntry 6 }

dot11WNMMulticastDiagnosticRprtReason OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(1))
MAX-ACCESS read-create
STATUS current
DESCRIPTION

"This attribute indicates the reason why the measuring STA sent the Multi-
cast Diagnostics report. b0 indicates Report Timeout Trigger. b1 indica-
tes the Performance Measurement. These are defined further in
7.3.22.10a."

::= { dot11WNMMulticastDiagnosticReportEntry 7 }

dot11WNMMulticastDiagnosticRprtRcvdMsduCount OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS read-create
STATUS current
DESCRIPTION

"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 frames received with the indicated Multicast MAC Address."

DEFVAL { 0 }

::= { dot11WNMMulticastDiagnosticReportEntry 8 }

dot11WNMMulticastDiagnosticRprtFirstSeqNumber OBJECT-TYPE
SYNTAX INTEGER (0..65535)
MAX-ACCESS read-only
STATUS current
DESCRIPTION

"This attribute indicates the twelve least significant bits of the First
Sequence Number field contain the IEEE 802.11 sequence number of the first
frame received with destination address equal to the value in the Multi-
cast MAC address field during the measurement period. The four most signif-
icant bits of the First Sequence Number field are set to zero. This field is
used only if the multicast reporting reason is performance measurement;
otherwise, it is set to 0."

DEFVAL { 0 }

::= { dot11WNMMulticastDiagnosticReportEntry 9 }

dot11WNMMulticastDiagnosticRprtLastSeqNumber OBJECT-TYPE
SYNTAX INTEGER (0..65535)
MAX-ACCESS read-only
STATUS current
DESCRIPTION

"This attribute indicates the twelve least significant bits of the Last
Sequence Number field is the IEEE 802.11 sequence number of the last frame
received with destination address equal to the value in the Multicast MAC
address field during the measurement period. The four most significant bits
of the Last Sequence Number field are set to zero. This field is used only
if the multicast reporting reason is performance measurement; otherwise, it
is set to 0."

DEFVAL { 0 }

::= { dot11WNMMulticastDiagnosticReportEntry 10 }

dot11WNMMulticastDiagnosticRprtMcstRate OBJECT-TYPE
SYNTAX INTEGER (0..65535)
UNITS "0.5Mbps"
MAX-ACCESS read-create
STATUS current
DESCRIPTION

"This attribute indicates the data rate, in 0.5 Mb/s units, at which the
STA requests to receive group addressed frames. 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 pre-
serve freshness, thus the rows in this table can be deleted for memory con-
straints 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,
dot11WNMLocationCivicRprtContent OCTET STRING,
dot11WNMLocationCivicRprtLocXAccuracy INTEGER,
dot11WNMLocationCivicRprtLocYAccuracy INTEGER,
dot11WNMLocationCivicRprtLocZAccuracy INTEGER,
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 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 }

dot11WNMLocationCivicRprtLocXAccuracy OBJECT-TYPE
SYNTAX INTEGER {0..65535}
UNITS "0.1M"
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates an estimated accuracy in the X-dimension in 0.1
meter increments, defined by a little endian 16 bit unsigned integer. For
example, an accuracy estimate of +/- 5 meters is represented by the number
X'32'. If the location accuracy estimate in the X-dimension is unknown the
field is set to 65535."
DEFVAL { 65535 }
::= { dot11WNMLocationCivicReportEntry 4 }
dot11WNMLocationCivicRprtLocYAccuracy OBJECT-TYPE
SYNTAX INTEGER (0..65535)
UNITS "0.1M"
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates an estimated accuracy in the Y-dimension in 0.1
meter increments, defined by a little endian 16 bit unsigned integer. For
example, an accuracy estimate of +/- 5 meters is represented by the number
X'32'. If the location accuracy estimate in the Y-dimension is unknown the
field is set to 65535."
DEFVAL { 65535 }
::= { dot11WNMLocationCivicReportEntry 5 }
dot11WNMLocationCivicRprtLocZAccuracy OBJECT-TYPE
SYNTAX INTEGER (0..65535)
UNITS "0.1M"
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates an estimated accuracy in the Z-dimension in 0.1
meter increments, defined by a little endian 16 bit unsigned integer. For
example, an accuracy estimate of +/- 5 meters is represented by the number
X'32'. If the location accuracy estimate in the Z-dimension is unknown the
field is set to 65535."
DEFVAL { 65535 }
::= { dot11WNMLocationCivicReportEntry 6 }
dot11WNMLocationCivicRprtCivicLocation OBJECT-TYPE
SYNTAX OCTET STRING
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates a variable octet field in which the format of the
data is defined in RFC 4776."
::= { dot11WNMLocationCivicReportEntry 7 }
-- ********************************************************************
-- * 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
dot11WNMLocationIdentifierReportEntryIndex."

Copyright © 2008 IEEE. All rights reserved.
This is an unapproved IEEE Standards Draft, subject to change.
INDEX { dot11WNMLocationIdentifierRprtIndex } ::= { dot11WNMLocationIdentifierReportTable 1 }

Dot11WNMLocationIdentifierReportEntry ::= SEQUENCE {
  dot11WNMLocationIdentifierRprtIndex Unsigned32,
  dot11WNMLocationIdentifierRprtRqstToken OCTET STRING,
  dot11WNMLocationIdentifierRprtIfIndex InterfaceIndex,
  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 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 }

dot11WNMLocationIdentifierRprtPublicIdUri OBJECT-TYPE
SYNTAX OCTET STRING
MAX-ACCESS read-create
STATUS current
DESCRIPTION "This attribute indicates a variable octet field in URI (aka URL) format, provided to comply with RFC 3693."
 ::= { dot11WNMLocationIdentifierReportEntry 4 }

-- ********************************************************************************
-- * 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,
dot11WNMEventTransitRprtSourceBssid MacAddress,
dot11WNMEventTransitRprtTargetBssid MacAddress,
dot11WNMEventTransitRprtTransitTime INTEGER,
dot11WNMEventTransitRprtTransitReason INTEGER,
dot11WNMEventTransitRprtTransitResult INTEGER,
dot11WNMEventTransitRprtSourceRCPI INTEGER,
dot11WNMEventTransitRprtSourceRSNI INTEGER,
dot11WNMEventTransitRprtTargetRCPI INTEGER,
dot11WNMEventTransitRprtTargetRSNI INTEGER }

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 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 }

dot11WNMEventTransitRprtSourceBssid OBJECT-TYPE
SYNTAX MacAddress
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the source BSSID for the reported transition
event."
::= { dot11WNMEventTransitReportEntry 4 }

dot11WNMEventTransitRprtTargetBssid OBJECT-TYPE
SYNTAX MacAddress
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the target BSSID for the reported transition
event."
::= { dot11WNMEventTransitReportEntry 5 }

dot11WNMEventTransitRprtTransitTime OBJECT-TYPE
SYNTAX INTEGER (0..65535)
UNITS "TUs"
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"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 31.20.3.2."
::= { dot11WNMEventTransitReportEntry 6 }
dot11WNMEventTransitRprtTransitReason OBJECT-TYPE
SYNTAX INTEGER {
  unspecified(0),
  excessiveFrameLossRatesPoorConditions(1),
  excessiveDelayForCurrentTrafficStreams(2),
  insufficientQosCapacityForCurrentTrafficStreams(3),
  firstAssociationToEss(4),
  loadBalancing(5),
  betterApFound(6),
  deauthenticatedDisassociatedFromPreviousAp(7),
  certificateToken(8),
  apFailedIeee8021XEapAuthentication(9),
  apFailed4wayHandshake(10),
  excessiveDataMICFailures(11),
  exceededFrameTransmissionRetryLimit(12),
  excessiveBroadcastDisassociations(13),
  excessiveBroadcastDeauthentications(14),
  previousTransitionFailed(15),
}
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the reason for the reported BSS Transition event.
The format for this list of reasons is further detailed in 7.3.2.63.2."
::= { dot11WNMEventTransitReportEntry 7 }
dot11WNMEventTransitRprtTransitResult OBJECT-TYPE
SYNTAX INTEGER (0..65535)
UNITS "TUs"
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the result of the attempted transition and is set
to one of the Status Codes specified in Table 7-23 in 7.3.1.9."
::= { dot11WNMEventTransitReportEntry 8 }
dot11WNMEventTransitRprtSourceRCPI OBJECT-TYPE
SYNTAX INTEGER(0..255)
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"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 9 }
dot11WNMEventTransitRprtSourceRSNI OBJECT-TYPE
SYNTAX INTEGER(0..255)
UNITS "0.5 dB"
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This attribute indicates the received signal to noise indication of the
most recently measured frame from the Source BSSID before the STA reassoci-
ates to the Target BSSID. The Source RSNI is reported in dB, as defined in
7.3.2.41."
::= { dot11WNMEventTransitReportEntry 10 }
dot11WNMEventTransitRprtTargetRCPI OBJECT-TYPE
SYNTAX INTEGER(0..255)
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"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 Tar-
target RCPI is reported in dBm, as defined in the RCPI measurement clause for
the PHY Type."
::= { dot11WNMEventTransitReportEntry 11 }
dot11WNMEventTransitRprtTargetRSNI OBJECT-TYPE
SYNTAX INTEGER(0..255)
UNITS "0.5 dB"
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"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
7.3.2.41."
::= { dot11WNMEventTransitReportEntry 12 }

-- ********************************************************************
-- * 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 pre-
serve freshness, thus the rows in this table can be deleted for memory con-
straints 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,
dot11WNMEventRsnaRprtTargetBssid MacAddress,
dot11WNMEventRsnaRprtAuthType OCTET STRING,
dot11WNMEventRsnaRprtEapMethod OCTET STRING,
dot11WNMEventRsnaRprtResult INTEGER,
dot11WNMEventRsnaRprtRsnElement OCTET STRING }
dot11WNMEventRsnaRprtIndex OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION

Copyright © 2008 IEEE. All rights reserved.
This is an unapproved IEEE Standards Draft, subject to change.
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 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 }

dot11WNMEventRsnaRprtTargetBssid OBJECT-TYPE
SYNTAX MacAddress
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the target BSSID for the reported RSNA event."

::= { dot11WNMEventRsnaReportEntry 4 }

dot11WNMEventRsnaRprtAuthType OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(4))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates one of the AKM suite selectors defined in Table
7-34 in 7.3.2.25.2."

::= { dot11WNMEventRsnaReportEntry 5 }

dot11WNMEventRsnaRprtEapMethod OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(0..38))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"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 (Authen-
tication negotiated over IEEE 802.1X or using PMKSA caching as defined in
8.4.6.2) or 00-0F-AC:3 (AKM suite selector for Fast BSS Transition as
defined in 8.4.3), the EAP Method field contains the IANA assigned EAP type
defined at http://www.iana.org/assignments/eap-numbers. The EAP type con-
tains 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 6 }

dot11WNMEventRsnaRprtResult OBJECT-TYPE
SYNTAX INTEGER (0..65535)
UNITS "TUs"
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the result of the RSNA event and is set to one of
the Status Codes specified in Table7-23 in 7.3.1.9."

::= { dot11WNMEventRsnaReportEntry 7 }

dot11WNMEventRsnaRprtRsnElement OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(0..257))
MAX-ACCESS read-create
STATUS current
DESCRIPTION

"This attribute contains the entire contents of the negotiated RSN information element at the time of the authentication attempt. The format of the RSN information element is defined in 7.3.2.25."

DEFVAL { 'H' }

::= { dot11WNMEventRsnaReportEntry 8 }

-- ********************************************************************
-- * 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,
  dot11WNMEventPeerRprtPeerMacAddress MacAddress,
  dot11WNMEventPeerRprtRegulatoryClass INTEGER,
  dot11WNMEventPeerRprtChanNumber INTEGER,
  dot11WNMEventPeerRprtStaTxPower Integer32,
  dot11WNMEventPeerRprtConnTime INTEGER,
  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 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

Copyright © 2008 IEEE. All rights reserved.
This is an unapproved IEEE Standards Draft, subject to change.
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"The ifIndex for this row of WNMEventPeer Report has been received on."
::= { dot11WNMEventPeerReportEntry 3 }
dot11WNMEventPeerRprtPeerMacAddress OBJECT-TYPE
SYNTAX MacAddress
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the MAC address of the peer STA or IBSS BSSID is equal to the indicated MAC address. 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 4 }
dot11WNMEventPeerRprtRegulatoryClass OBJECT-TYPE
SYNTAX INTEGER(1..255)
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the channel set for this Peer-to-peer Event report. Country, Regulatory Class and Channel Number together specify the channel frequency and spacing for this measurement request. Valid values of Regulatory Class are shown in Annex J."
REFERENCE "Annex J"
::= { dot11WNMEventPeerReportEntry 5 }
dot11WNMEventPeerRprtChanNumber OBJECT-TYPE
SYNTAX INTEGER(1..255)
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the current operating channel for this Peer-to-peer Event report. The Channel Number is only defined within the indicated Regulatory Class for this WNM request."
::= { dot11WNMEventPeerReportEntry 6 }
dot11WNMEventPeerRprtStaTxPower OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"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 of the lowest basic rate of the reporting STA."
::= { dot11WNMEventPeerReportEntry 7 }
dot11WNMEventPeerRprtConnTime OBJECT-TYPE
SYNTAX INTEGER (0..18446744073709551615)
UNITS "seconds"
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"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 current time. 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 current time."
::= { dot11WNMEventPeerReportEntry 8 }
dot11WNMEventPeerRprtPeerStatus OBJECT-TYPE
SYNTAX INTEGER {
  directLinkTerminated(0),
directLinkActive(1),
  ibssMembership(2),
  staJoinedIBSS(3),
  peerNotResponsive(4)
}
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This attribute indicates the peer STA or IBSS BSSID's status. 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 current time. 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 current time. If the Peer Status is 4, this field indicates that the STA is not responsive to the reporting STA."
ibssMembershipTerminated(2),
ibssMembershipActive(3),
}
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the peer link connection status."
 ::= { dot11WNMEventPeerReportEntry 9 }
-- ********** End of dot11WNMEventPeerReport TABLE
-- ********** End of dot11WNMEventPeerReport TABLE

-- ********** dot11WNMEventSysLogReport TABLE
-- ********** dot11WNMEventSysLogReport TABLE

-- dot11WNMEventSysLogReportTable OBJECT-TYPE
SYNTAX SEQUENCE OF Dot11WNMEventSysLogReportEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"Group contains the current list of Syslog Event reports that have been
received by the MLME. The report tables shall be maintained as FIFO to pre-
serve freshness, thus the rows in this table can be deleted for memory con-
straints 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 }
dot11WNMEventSysLogReportEntry OBJECT-TYPE
SYNTAX Dot11WNMEventSysLogReportEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"An entry in the dot11WNMEventSysLogReportTable Indexed by
dot11WNMEventSysLogRprtIndex."
INDEX { dot11WNMEventSysLogRprtIndex }
 ::= { dot11WNMEventSysLogReportTable 1 }

Dot11WNMEventSysLogReportEntry ::= 
SEQUENCE {
  dot11WNMEventSysLogRprtIndex Unsigned32,
  dot11WNMEventSysLogRprtRqstToken OCTET STRING,
  dot11WNMEventSysLogRprtIfIndex InterfaceIndex,
  dot11WNMEventSysLogRprtContent OCTET STRING }
dot11WNMEventSysLogRprtIndex OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"Index for Syslog Event Report elements in dot11WNMEventSysLogReportTable,
greater than 0."
 ::= { dot11WNMEventSysLogReportEntry 1 }
dot11WNMEventSysLogRprtRqstToken OBJECT-TYPE
SYNTAX OCTET STRING
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"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."
 ::= { dot11WNMEventSysLogReportEntry 2 }
dot11WNMEventSysLogRprtIfIndex OBJECT-TYPE
SYNTAX InterfaceIndex
MAX-ACCESS read-only
STATUS current
"
DESCRIPTION

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

::= { dot11WNMEventSysLogReportEntry 3 }

dot11WNMEventSysLogRprtContent OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(0..2284))
MAX-ACCESS read-create
STATUS current
DESCRIPTION

"This attribute provides an envelope for the Syslog Event sub-elements
required by the WNME request element. Zero length is the null default for
this attribute."
DEFVAL { ''H }

::= { dot11WNMEventSysLogReportEntry 4 }

-- ********************************************************************
-- * End of dot11WNMEventSysLogReport 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 mono-
tonically increase RprtIndex for new reports being written in the table."

::= { dot11WNMDiagMfrInfoReportEntry 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,
dot11WNMDiagMfrInfoRprtMfrOui OCTET STRING,
dot11WNMDiagMfrInfoRprtMfrIdString OCTET STRING,
dot11WNMDiagMfrInfoRprtMfrModelString OCTET STRING,
dot11WNMDiagMfrInfoRprtMfrSerialNumberString OCTET STRING,
dot11WNMDiagMfrInfoRprtMfrFirmwareVersion OCTET STRING,
dot11WNMDiagMfrInfoRprtMfrAntennaType OCTET STRING,
dot11WNMDiagMfrInfoRprtMfrAntennaGain 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 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 }

dot11WNMDiagMfrInfoRprtMfrOui OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(0..5))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the Manufacturer OUI for the reported Manufacturer Information STA Diagnostic. The OUI attribute contains an Organizational Unique Identification, the first 24-bits of the network connected device, which indicate the specific vendor for that device."

DEFVAL { ''H }

::= { dot11WNMDiagMfrInfoReportEntry 4 }

dot11WNMDiagMfrInfoRprtMfrIdString OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(0..255))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"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."

DEFVAL { ''H }

::= { dot11WNMDiagMfrInfoReportEntry 5 }

dot11WNMDiagMfrInfoRprtMfrModelString OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(0..255))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"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."

DEFVAL { ''H }

::= { dot11WNMDiagMfrInfoReportEntry 6 }

dot11WNMDiagMfrInfoRprtMfrSerialNumberString OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(0..255))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"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."

DEFVAL { ''H }

::= { dot11WNMDiagMfrInfoReportEntry 7 }

dot11WNMDiagMfrInfoRprtMfrFirmwareVersion OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(0..255))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"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."

DEFVAL { ''H }
::= { dot11WNMDiagMfrInfoReportEntry 8 }

dot11WNMDiagMfrInfoRprtMfrAntennaType OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(0..255))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the Manufacturer antenna type string for the reported Manufacturer Information STA Diagnostic. The antenna type attribute contains an ASCII string indicating the type of antenna connected to the wireless network adaptor."

DEFVAL { ''H }
::= { dot11WNMDiagMfrInfoReportEntry 9 }

dot11WNMDiagMfrInfoRprtMfrAntennaGain OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(1))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the Manufacturer antenna gain string for the reported Manufacturer Information STA Diagnostic. The antenna gain attribute contains the peak gain in dBi of the antenna connected to the wireless network adaptor."

DEFVAL { ''H }
::= { dot11WNMDiagMfrInfoReportEntry 10 }

-- ********************************************************************
-- * 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."

::= { dot11WNMDiagReport 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 OCTET STRING,  
dot11WNMDiagConfigProfRprtRqstToken OCTET STRING,  
dot11WNMDiagConfigProfRprtRqstTokendot11WNMDiagConfigProfRprtIfIndex OCTET STRING,  
dot11WNMDiagConfigProfRprtIfIndexdot11WNMDiagConfigProfRprtProfileIdInterfaceIndex INTEGER,  
dot11WNMDiagConfigProfRprtSupportedRegClasses OCTET STRING,  
dot11WNMDiagConfigProfRprtTxPowerMode INTEGER,  
dot11WNMDiagConfigProfRprtTxPowerLevels OCTET STRING,  
}
dot11WNMDiagConfigProfRprtCipherSuite OCTET STRING,
dot11WNMDiagConfigProfRprtAkmSuite OCTET STRING,
dot11WNMDiagConfigProfRprtEapMethod OCTET STRING,
dot11WNMDiagConfigProfRprtSSID OCTET STRING,
dot11WNMDiagConfigProfRprtContent

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 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 }
dot11WNMDiagConfigProfRprtProfileId OBJECT-TYPE
SYNTAX INTEGER {0..255}
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"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 4 }
dot11WNMDiagConfigProfRprtSupportedRegClasses OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(0..255))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the current Regulatory Class followed by a list of each Supported Regulatory Class, as defined in 7.3.2.51. Each octet contains an integer representing a regulatory class. Zero length is the null default for this attribute."
DEFVAL { ''H } 
 ::= { dot11WNMDiagConfigProfReportEntry 5 }
dot11WNMDiagConfigProfRprtTxPowerMode OBJECT-TYPE
SYNTAX INTEGER {
 fixedPowerMode(0),
 automaticPowerMode(1) 
 }
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the power mode of the STA."
 ::= { dot11WNMDiagConfigProfReportEntry 3 6 }
dot11WNMDiagConfigProfRprtContent dot11WNMDiagConfigProfRprtPowerSaveMode OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(02..255))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"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 all the fixed power level set-
tings available at this STA."
::= { dot11WNMDiagConfigProfReportEntry 7 }

dot11WNMDiagConfigProfRprtCipherSuite OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(4))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the cipher suite, as defined in Table 7-32. The
first three octets indicate the OUI. The last octet indicates the suite
type."
::= { dot11WNMDiagConfigProfReportEntry 8 }

dot11WNMDiagConfigProfRprtAkmSuite OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(4))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the AKM suite, as defined in Table 7-34. The
first three octets indicate the OUI. The last octet indicates the suite
type."
::= { dot11WNMDiagConfigProfReportEntry 9 }

dot11WNMDiagConfigProfRprtEapMethod OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(1..8))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the IANA assigned EAP type as defined at http://
www.iana.org/assignments/eap-numbers. The EAP type contains either the leg-
acy type (1 octet) or the expanded type (1 octet type = 254, 3-octet Ven-
dor ID, 4-octet Vendor-Type)."
::= { dot11WNMDiagConfigProfReportEntry 10 }

dot11WNMDiagConfigProfRprtSSID OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(1..32))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the SSID for the diagnostic report, as defined in
7.3.2.1."
::= { dot11WNMDiagConfigProfReportEntry 11 }

dot11WNMDiagConfigProfRprtPowerSaveMode OBJECT-TYPE
SYNTAX INTEGER {
  unknownMode(0),
  none(1),
  psDtims1Mode(2),
  psDtims0Mode(3),
  uapsdMode(4),
  sapsdMode(5),
  upsmpMode(6),
  spsmpMode(7),
  wnmSleepMode(8),
  fbmsMode(9),
  timBroadcastMode(10),
  tfsMode(11)
} 
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute provides an envelope for indicates the Configuration Pro-
file sub-elements required power save mode in use by the WNM request ele-
ment. Zero length is the null default for this attributeSTA, as defined in
Table 7-v14."
DEFVAL { ''H }
::= { dot11WNMdiagConfigProfReportEntry 4 12 }

-- ********************************************************************
-- * End of dot11WNMdiagConfigProfReport TABLE
-- ********************************************************************

-- ********************************************************************
-- * 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,
dot11WNMdiagAssocRprtBssid MacAddress,
dot11WNMdiagAssocRprtRegulatoryClass INTEGER,
dot11WNMdiagAssocRprtChannelNumber INTEGER,
dot11WNMdiagAssocRprtContent dot11WNMdiagAssocRprtStatusCode OCTET STRING
INTEGER }

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 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

Copyright © 2008 IEEE. All rights reserved.
This is an unapproved IEEE Standards Draft, subject to change.
DESCRIPTION
"The ifIndex for this row of WNMDiagAssoc Report has been received on."
::= { dot11WNMDiagAssocReportEntry 3 }

dot11WNMDiagAssocRptBssid OBJECT-TYPE
SYNTAX MacAddress
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the BSSID for the target AP for this Association
Diagnostic Report."
::= { dot11WNMDiagAssocReportEntry 4 }

dot11WNMDiagAssocRptRegulatoryClass OBJECT-TYPE
SYNTAX INTEGER(1..255)
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the regulatory class of the target AP for this
Association Diagnostic Report. Valid values of Regulatory Class are shown
in Annex J."
REFERENCE
"Annex J"
::= { dot11WNMDiagAssocReportEntry 5 }

dot11WNMDiagAssocRptChannelNumber OBJECT-TYPE
SYNTAX INTEGER (1..255)
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the operating channel of the target AP for this
Association Diagnostic Report. The Channel Number is only defined within
the indicated Regulatory Class for this WNM request."
::= { dot11WNMDiagAssocReportEntry 3 6 }

dot11WNMDiagAssocRprtContent dot11WNMDiagAssocRprtStatusCode OBJECT-TYPE
SYNTAX OCTET STRING (SIZE INTEGER(0..255)65535)
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute provides an envelope for the Association Diagnostic sub-
elements required by the WNM request element. Zero length is the null
default for this attribute."
DEFVAL { ''H }
"This attribute indicates the result of the association diagnostic and is
set to one of the Status Codes specified in Table 7-23 in 7.3.1.9."
::= { dot11WNMDiagAssocReportEntry 4 7 }

-- ********************************************************************
-- * End of dot11WNMDiagAssocReport TABLE
-- ********************************************************************

-- ************************************************************************
-- * End of dot11WNMDiag8021xAuthReport TABLE
-- ************************************************************************
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,
  dot11WNMDiag8021xAuthRprtBssid MacAddress,
  dot11WNMDiag8021xAuthRprtRegulatoryClass INTEGER,
  dot11WNMDiag8021xAuthRprtChannelNumber INTEGER,
  dot11WNMDiag8021xAuthRprtContent dot11WNMDiag8021xAuthRprtEapMethodOCTET
  STRING | STRING,
  dot11WNMDiag8021xAuthRprt8021xCredentials INTEGER,
  dot11WNMDiag8021xAuthRprtStatusCode INTEGER }

Dot11WNMDiag8021xAuthRprtIndex OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"Index for 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 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 }

Dot11WNMDiag8021xAuthRprtContent dot11WNMDiag8021xAuthRprtBssid OBJECT-TYPE
SYNTAX MacAddress
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the BSSID for the target AP for this Authentication
Diagnostic Report."
::= { dot11WNMDiag8021xAuthReportEntry 4 }

Dot11WNMDiag8021xAuthRprtRegulatoryClass OBJECT-TYPE
SYNTAX INTEGER(1..255)
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the regulatory class of the target AP for this
Authentication Diagnostic Report. Valid values of Regulatory Class are
shown in Annex J."
REFERENCE
"Annex J"
::= { dot11WNMDiag8021xAuthReportEntry 5 }

Dot11WNMDiag8021xAuthRprtChannelNumber OBJECT-TYPE
SYNTAX OCTET STRING INTEGER {SIZE(01..255)}
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the operating channel of the target AP for this Authentication Diagnostic Report. The Channel Number is only defined within the indicated Regulatory Class for this WNM request."
::= { dot11WMNDiag8021xAuthReportEntry 6 }
dot11WMNDiag8021xAuthRprtEapMethod OBJECT-TYPE
SYNTAX OCTET STRING {SIZE(1..8)}
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the IANA assigned EAP type as 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)."
::= { dot11WMNDiag8021xAuthReportEntry 7 }
dot11WMNDiag8021xAuthRprt8021xCredentials OBJECT-TYPE
SYNTAX INTEGER {none(0), preSharedKey(1), userNamePassword(2), x509Certificate(3), otherCertificate(4), oneTimePassword(5), token(6), certificateUserNamePassword(7), certificateToken(8) }
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute provides an envelope for indicates the type of 802.1X Authentication Diagnostic sub-elements required 1x credentials used by the WNM request element. Zero length is the null default STA for this attribute authentication diagnostic."
DEFVAL { ''H }
::= { dot11WMNDiag8021xAuthReportEntry 8 }
dot11WMNDiag8021xAuthRprtStatusCode OBJECT-TYPE
SYNTAX INTEGER {0..65535}
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the result of the authentication diagnostic and is set to one of the Status Codes specified in Table 7-23 in 7.3.1.9."
::= { dot11WMNDiag8021xAuthReportEntry 4 9 }
-- ********************************************************************
-- * End of dot11WMNDiag8021xAuthReport TABLE
-- ********************************************************************
-- ********************************************************************
-- * dot11WMMLCIReport TABLE
-- ********************************************************************
dot11WMMLCIReportTable OBJECT-TYPE
SYNTAX SEQUENCE OF Dot11WMMLCIReportEntry
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."
::= { dot11WMMLCIReport 13 }
dot11WNMLCIReportEntry OBJECT-TYPE
SYNTAX Dot11WNMLCIReportEntry
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"An entry in the dot11WNMLCIReportTable Indexed by dot11WNMLCIReportIndex."
INDEX { dot11WNMLCIReportIndex }
 ::= { dot11WNMLCIReportTable 1 }

Dot11WNMLCIReportEntry ::= SEQUENCE {
  dot11WNMLCIReportIndex Unsigned32,
  dot11WNMLCIReportRqstToken OCTET STRING,
  dot11WNMLCIReportLocIndParams OCTET STRING,
  dot11WNMLCIReportLCIChanList OCTET STRING,
  dot11WNMLCIReportLCISubElementID INTEGER,
  dot11WNMLCIReportLCIStatus INTEGER,
  dot11WNMLCIReportTxPower INTEGER,
  dot11WNMLCIReportAntennaID INTEGER,
  dot11WNMLCIReportAntennaGain INTEGER,
  dot11WNMLCIReportRCPI INTEGER,
  dot11WNMLCIReportRSNI INTEGER,
  dot11WNMLCIReportMotionIndicator INTEGER,
  dot11WNMLCIReportBearing INTEGER,
  dot11WNMLCIReportHorizontalSpeed INTEGER,
  dot11WNMLCIReportVerticalSpeed INTEGER,
  dot11WNMLCIReportLCIBcastRate Unsigned32,
  dot11WNMLCIReportTODTimestamp OCTET STRING,
  dot11WNMLCIReportTODTolerance OCTET STRING,
  dot11WNMLCIReportTODUnits InterfaceIndex,
  dot11WNMLCIReportVendorSpecificRprtContent OCTET STRING
}

dot11WNMLCIReportIndex OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"Index for Location Configuration Report elements in dot11WNMLCIReportTable, greater than 0."
 ::= { dot11WNMLCIReportEntry 1 }

dot11WNMLCIReportRqstToken OBJECT-TYPE
SYNTAX OCTET STRING
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"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."
 ::= { dot11WNMLCIReportEntry 2 }

dot11WNMLCIReportIfIndex OBJECT-TYPE
SYNTAX InterfaceIndex
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"The ifIndex for this row of WNMLCI Report has been received on."
 ::= { dot11WNMLCIReportEntry 3 }

dot11WNMLCIReportLocIndParams OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(17))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates STA Location reporting characteristics. The format of these Location Indication Parameters are detailed in 7.3.2.66.2."
 ::= { dot11WNMLCIReportEntry 4 }
dot11WNMLCIRprtLCIChanList OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(0..255))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute lists location reporting channel information for this LCI
request. Zero length is the null default for this attribute. Each pair of
octets indicates a different regulatory class and channel number for this
request. The detailed format for this list of channels is described in
7.3.2.66.3"
DEFVAL { ''H }
::= { dot11WNMLCIReportEntry 5 }
dot11WNMLCIRprtLCISubElementID OBJECT-TYPE
SYNTAX INTEGER (0..255)
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the specific Location Parameters sub-element ID
transmitted in the LCI Request frame for this Report. Additional detail and
exceptions are described in 7.3.2.66.4"
::= { dot11WNMLCIReportEntry 6 }
dot11WNMLCIRprtLCIStatus OBJECT-TYPE
SYNTAX INTEGER {
  successful(0),
  failed(1),
  refused(2),
  incapable(3),
  cancelled(4),
}
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the status of this LCI report."
::= { dot11WNMLCIReportEntry 7 }
dot11WNMLCIRprtTxPower OBJECT-TYPE
SYNTAX INTEGER(0..255)
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"This attribute indicates the STA transmit power used to transmit the LCI
Report. The Tx Power field indicates the target transmit power at the
antenna in in a two's complement integer in dBm with a tolerance of +/-5dB."
::= { dot11WNMLCIReportEntry 8 }
dot11WNMLCIRprtAntennaID OBJECT-TYPE
SYNTAX INTEGER(0..255)
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This attribute indicates the identifying number for the antenna used to
transmit the LCI Report. The value 0 indicates that the antenna identifier
is unknown. The value 255 indicates that the measurement was made with
multiple antennas or that the antenna ID is unknown. Each Antenna ID
number represents a unique antenna characterized by a fixed relative position,
fixed relative direction and a peak gain for that position and direction."
::= { dot11WNMLCIReportEntry 9 }
dot11WNMLCIRprtAntennaGain OBJECT-TYPE
SYNTAX INTEGER(0..255)
MAX-ACCESS read-onlywrite
STATUS current
DESCRIPTION
"This attribute indicates the antenna gain of the antenna used to transmit
the LCI Report. The Antenna Gain indicates antenna gain in a two's complement integer in dB. The value -128 indicates the antenna gain is unknown.

 ::= { dot11WNMLCIReportEntry 10 }

dot11WNMLCIReportRCPI OBJECT-TYPE
SYNTAX INTEGER(0..255)
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This attribute indicates the received channel power of the most recently measured Location Configuration Request frame. The RCPI is reported in dBm, as defined in the RCPI measurement clause for the PHY Type."

 ::= { dot11WNMLCIReportEntry 11 }

dot11WNMLCIReportRSNI OBJECT-TYPE
SYNTAX INTEGER(0..255)
UNITS "0.5 dB"
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This attribute indicates the received signal to noise indication of the most recently measured Location Configuration Request frame. The RSNI is reported in dB, as defined in 7.3.2.41."

 ::= { dot11WNMLCIReportEntry 12 }

dot11WNMLCIReportMotionIndicator OBJECT-TYPE
SYNTAX INTEGER {
  stationary(0),
  startOfMotion(1),
  inMotion(2),
  endOfMotion(3),
  unknown(4)}
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"The ifIndex for this row This attribute indicates the state of WNMLCI Report has been received on the motion indicator."

 ::= { dot11WNMLCIReportEntry 13 }

dot11WNMLCIReportBearing OBJECT-TYPE
SYNTAX INTEGER (0..65535)
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This attribute indicates the direction of travel for the STA motion. Bearing is reported in azimuth degrees from true north, from 0 to 359. The value 65535 indicates that the bearing is unknown."

 ::= { dot11WNMLCIReportEntry 14 }

dot11WNMLCIReportSpeedUnits OBJECT-TYPE
SYNTAX INTEGER {
  centimetersPerSecond(0),
  metersPerSecond(1)}
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the speed units used to report the vertical and horizontal speed."

 ::= { dot11WNMLCIReportEntry 15 }

dot11WNMLCIReportHorizontalSpeed OBJECT-TYPE
SYNTAX INTEGER(0..255)
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This attribute indicates the horizontal speed of the STA. The value 65535 indicates that the speed is unknown."

 ::= { dot11WNMLCIReportEntry 16 }
dot11WNMLCIRprtVerticalSpeed OBJECT-TYPE
SYNTAX INTEGER(0..255)
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This attribute indicates the vertical speed of the STA. The value 65535
indicates that the speed is unknown."
::= { dot11WNMLCIRReportEntry 17 }

dot11WNMLCIRprtLCIBcastRate OBJECT-TYPE
SYNTAX INTEGER (0..65535)
UNITS "0.5Mbps"
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the data rate, in 0.5Mb/s units, at which the STA
broadcasts Location Track Notification frames."
::= { dot11WNMLCIRReportEntry 18 }

dot11WNMLCIRprtTODTimestamp OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(4))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the value of the TOD timestamp counter at a con-
stant interval before the frame carrying the TOD timestamp is transmitted
in units specified by the TOD Units field."
::= { dot11WNMLCIRReportEntry 19 }

dot11WNMLCIRprtTODTolerance OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(2))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the 95% tolerance of the TOD Timestamp field
value."
::= { dot11WNMLCIRReportEntry 20 }

dot11WNMLCIRprtTODUnits OBJECT-TYPE
SYNTAX INTEGER {
  todu22(0),
  todu20(1),
  todu40(2),
  todu16(3)
}
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the units for the TOD timestamp field. Details
are provided in 7.3.2.66.8."
::= { dot11WNMLCIRReportEntry 21 }

dot11WNMLCIRprtContent dot11WNMLCIRprtVendorSpecificRprtContent OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(0..255))
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute provides an envelope for all the Location Configuration
vendor specific sub-elements required by the WNM request which may be
included in LCI report element. Zero length is the null default for this
attribute."
DEFVAL { "H " }
::= { dot11WNMLCIRReportEntry 4 22 }

-- ********************************************************************
-- * End of dot11WNMLCIRReport TABLE
-- ********************************************************************

-- ********************************************************************
-- * dot11WNMBssTransitReport TABLE
-- ********************************************************************
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,
dot11WNMBssTransitRprtStatus INTEGER,
dot11WNMBssTransitRprtContentdot11WNMBssTransitRprtTargetBssidOCTET STRING
  MacAddress }
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 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 dot11WNMgtToken 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
"The ifIndex for this row of WNMBssTransit Report has been received on."
::= { dot11WNMBssTransitReportEntry 3 }
dot11WNMBssTransitRprtStatus OBJECT-TYPE
SYNTAX INTEGER { accept(0),
  rejectUnspecified(1),
  rejectInsufficientBeacons(2),
  rejectInsufficientCapacity(3) }
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the status of this BSS Transition report."
::= { dot11WNMBssTransitReportEntry 3 4 }

dot11WNMBssTransitRprtContent dot11WNMBssTransitRprtTargetBssid OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(0..255))
SYNTAX MacAddress
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute provides an envelope for the BSS Transition Management sub-elemen
ts required by the WNM request element. Zero length is the null
default for this attribute."
DEFVAL { ''H }
"This attribute indicates the target BSSID for this BSS Transition Report."
::= { dot11WNMBssTransitReportEntry 4 5 }

-- ********************************************************************
-- * 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 Co-located 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 INTEGER,
dot11WNMColocInterfRprtInterfLevel INTEGER,
dot11WNMColocInterfRprtInterfAccuracy INTEGER,
dot11WNMColocInterfRprtInterfIndex INTEGER,
dot11WNMColocInterfRprtInterfInterval Integer32,
dot11WNMColocInterfRprtInterfBurstLength Integer32,
dot11WNMColocInterfRprtInterfStartTime Integer32,
dot11WNMColocInterfRprtInterfCenterFreq INTEGER,
dot11WNMColocInterfRprtContentDot11WNMColocInterfRprtInterfBandwidthOCTET
STRING INTEGER }

dot11WNMColocInterfRprtIndex OBJECT-TYPE
SYNTAX Unsigned32
MAX-ACCESS not-accessible
STATUS current
DESCRIPTION
"Index for Co-located Interference Report elements in
dot11WNMColocInterfReportTable, greater than 0."
::= { dot11WNMColocInterfReportEntry 1 }
dot11WNMColocInterfRprtRqstToken OBJECT-TYPE

Copyright © 2008 IEEE. All rights reserved.
This is an unapproved IEEE Standards Draft, subject to change.
SYNTAX OCTET STRING
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"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
"The ifIndex for this row of WNMColocInterf Report has been received on."
 ::= { dot11WNMColocInterfReportEntry 3 }

dot11WNMColocInterfRprtPeriod OBJECT-TYPE
SYNTAX INTEGER(0..255)
UNITS "100 TU"
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This attribute indicates how often the STA automatically reports the co-
located 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 co-located interference.
See 11.20.11 for further details."
 ::= { dot11WNMColocInterfReportEntry 4 }

dot11WNMColocInterfRprtInterfLevel OBJECT-TYPE
SYNTAX INTEGER(0..255)
UNITS "dBm"
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This attribute indicates the level of the co-located interference in a 2's
complement signed integer in units of dBm averaged over a 4 s period dur-
ing an interference period. 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 co-located interference is
present the field is set to -128 dBm. The interference level is referenced
to the antenna connector used for reception."
 ::= { dot11WNMColocInterfReportEntry 5 }

dot11WNMColocInterfRprtInterfAccuracy OBJECT-TYPE
SYNTAX INTEGER(0..15)
UNITS "dB"
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This attribute indicates an unsigned integer indicating the expected accu-
cracy 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 accuracy is unknown then the Expected Accuracy
field is set to 15."
 ::= { dot11WNMColocInterfReportEntry 6 }

dot11WNMColocInterfRprtInterfIndex OBJECT-TYPE
SYNTAX INTEGER(0..15)
MAX-ACCESS read-only
STATUS current
DESCRIPTION
"This attribute indicates the interference index that is unique for each
type of interference source. The field set to 0 indicates that no co-
located interference is present. See 11.20.11 for further details."
 ::= { dot11WNMColocInterfReportEntry 7 }

dot11WNMColocInterfRprtInterfInterval OBJECT-TYPE
SYNTAX Integer32
UNITS "microseconds"
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"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 232-2 the field is set to 2E32-2. If no co-located interference is
present the field is set to 0."
::= { dot11WNMColocInterfReportEntry 8 }

dot11WNMColocInterfRprtInterfBurstLength OBJECT-TYPE
SYNTAX Integer32
UNITS "microseconds"
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"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 interfer-
ence is equal or greater than 2E32-2 the field is set to 2E32-2. If no co-
located interference is present the field is set to 0."
::= { dot11WNMColocInterfReportEntry 9 }

dot11WNMColocInterfRprtInterfStartTime OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
"This attribute contains the least significant 4 octets (i.e. B0-B31) of
the TSF timer at the start of the next 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 co-located interference is present the field is set to 0."
::= { dot11WNMColocInterfReportEntry 10 }

dot11WNMColocInterfRprtInterfCenterFreq OBJECT-TYPE
SYNTAX INTEGER (0..65535)
UNITS "2 MHz"
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute indicates the center frequency of interference in 2 MHz.
When center frequency is unknown or interference covers the whole channel,
the center frequency of the channel is reported. If no co-located interfer-
ence is present the field is set to 0."
::= { dot11WNMColocInterfReportEntry 11 }

dot11WNMColocInterfRprtContent dot11WNMColocInterfRprtInterfBandwidth OBJECT-TYPE
SYNTAX OCTET STRING (SIZE INTEGER (0..255) 65535)
UNITS "5 KHz"
MAX-ACCESS read-create
STATUS current
DESCRIPTION
"This attribute provides an envelope for the Co-located Interference sub-
elements required by the WNM request element. Zero length is the null
default for this attribute."
DEFVAL {"H"}
"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 65535. When bandwidth of the interference sig-
nal is equal or greater than 65534 the field is set to 65534. If no co-
located interference is present the field is set to 0."
::= { dot11WNMColocInterfReportEntry 12 }

-- ********************************************************************
-- * End of dot11WNMColocInterfReport TABLE
dot11SMTWNMRequest OBJECT-GROUP
OBJECTS { dot11WNMRqstIndex,
          dot11WNMRqstRowStatus,
          dot11WNMRqstToken,
          dot11WNMRqstIfIndex,
          dot11WNMRqstType,
          dot11WNMRqstTargetAdd,
          dot11RRMqstTimeStamp,
          dot11WNMRqstRndInterval,
          dot11WNMRqstDuration,
          dot11WNMRqstMcstGroup,
          dot11WNMRqstMcstTrigCon,
          dot11WNMRqstMcstRprtTimeout,
          dot11WNMRqstLCRqstSubject,
          dot11WNMRqstLCRintervalUnits,
          dot11WNMRqstLCRseviceInterval,
          dot11WNMRqstLIRqstSubject,
          dot11WNMRqstLIRintervalUnits,
          dot11WNMRqstLIRserviceInterval,
          dot11WNMRqstEventToken,
          dot11WNMRqstEventType,
          dot11WNMRqstEventResponseLimit,
          dot11WNMRqstEventTargetBssid,
          dot11WNMRqstEventSourceBssid,
          dot11WNMRqstEventTransitTimeThresh,
          dot11WNMRqstEventTransitMatchValue,
          dot11WNMRqstEventFreqTransitCountThresh,
          dot11WNMRqstEventFreqTransitInterval,
          dot11WNMRqstEventRsnAuthType,
          dot11WNMRqstEapType,
          dot11WNMRqstEapVendorId,
          dot11WNMRqstEapVendorType,
          dot11WNMRqstEventRsnMatchValue,
          dot11WNMRqstEventPeerMacAddress,
          dot11WNMRqstChanNumber,
          dot11WNMRqstRegulatoryClass,
          dot11WNMRqstChanNumber,
          dot11WNMRqstDiagToken,
          dot11WNMRqstDiagType,
          dot11WNMRqstDiagTimeout,
          dot11WNMRqstDiagBssid,
          dot11WNMRqstDiagProfileId,
          dot11WNMRqstDiag8021xCredentials,
          dot11WNMRqstLCILocIndParams,
          dot11WNMRqstLCIClChanList,
          dot11WNMRqstLCIBcastRate,
          dot11WNMRqstBssTransitQueryReason,
          dot11WNMRqstBssTransitRegMode,
          dot11WNMRqstBssTransitDisocTimer,
          dot11WNMRqstBssTransitValidInterval,
          dot11WNMRqstBssTransitCandidateList,
          dot11WNMRqstColocInterfAutoEnable,
          dot11WNMRqstColocInterfRptTimeout,
          dot11RNMRqstVendorSpecific,
          dot11RNMRqstVendorSpecific }
dot11WNVMulticastDiagnosticRprtIfIndex,

dot11WNVMulticastDiagnosticRprtContent,

dot11WNMMulticastDiagnosticRprtIndex,

dot11WNMMulticastDiagnosticRprtRqstToken,

dot11WNMMulticastDiagnosticRprtMeasurementTime,

dot11WNMMulticastDiagnosticRprtDuration,

dot11WNMMulticastDiagnosticRprtMcastGroup,

dot11WNMMulticastDiagnosticRprtReason,

dot11WNMMulticastDiagnosticRprtRcvdMsduCount,

dot11WNMMulticastDiagnosticRprtLastSeqNumber,

dot11WNMMulticastDiagnosticRprtMcastRate,

dot11WNMLocationCivicRprtIndex,

dot11WNMLocationCivicRprtRqstToken,

dot11WNMLocationCivicRprtIfIndex,

dot11WNMLocationCivicRprtContent,

dot11WNMLocationCivicRprtLocXAccuracy,

dot11WNMLocationCivicRprtLocYAccuracy,

dot11WNMLocationCivicRprtLocZAccuracy,

dot11WNMLocationCivicRprtCivicLocation,

dot11WNMLocationIdentifierRprtIndex,

dot11WNMLocationIdentifierRprtRqstToken,

dot11WNMLocationIdentifierRprtIfIndex,

dot11WNMLocationIdentifierRprtPublicIdUri,

dot11WNEMeventTransitRprtIndex,

dot11WNEMeventTransitRprtRqstToken,

dot11WNEMeventTransitRprtIfIndex,

dot11WNEMeventTransitRprtSourceBssid,

dot11WNEMeventTransitRprtTargetBssid,

dot11WNEMeventTransitRprtTransitTime,

dot11WNEMeventTransitRprtTransitReason,

dot11WNEMeventTransitRprtTransitResult,

dot11WNEMeventTransitRprtSourceRCPI,

dot11WNEMeventTransitRprtSourceRSNI,

dot11WNEMeventTransitRprtTargetRCPI,

dot11WNEMeventTransitRprtTargetRSNI,

dot11WNEMeventRsnaRprtIndex,

dot11WNEMeventRsnaRprtRqstToken,

dot11WNEMeventRsnaRprtIfIndex,

dot11WNEMeventRsnaRprtTargetBssid,

dot11WNEMeventRsnaRprtAuthType,

dot11WNEMeventRsnaRprtEapMethod,

dot11WNEMeventRsnaRprtResult,

dot11WNEMeventRsnaRprtRsnElement,

dot11WNEMeventPeerRprtIndex,

dot11WNEMeventPeerRprtRqstToken,

dot11WNEMeventPeerRprtIfIndex,

dot11WNEMeventPeerRprtPeerMacAddress,

dot11WNEMeventPeerRprtRegulatoryClass,

dot11WNEMeventPeerRprtChanNumber,

dot11WNEMeventPeerRprtStaTxPower,

dot11WNEMeventPeerRprtConnTime,

dot11WNEMeventPeerRprtPeerStatus,

dot11WNEMeventSysLogRprtIndex,

dot11WNEMeventSysLogRprtRqstToken,

dot11WNEMeventSysLogRprtIfIndex,

dot11WNEMeventSysLogRprtContent,

dot11WNMDiagMfrInfoRprtIndex,

dot11WNMDiagMfrInfoRprtRqstToken,

dot11WNMDiagMfrInfoRprtIfIndex,

dot11WNMDiagMfrInfoRprtMfrOui,

dot11WNMDiagMfrInfoRprtMfrIdString,

dot11WNMDiagMfrInfoRprtMfrModelString,

dot11WNMDiagMfrInfoRprtMfrSerialNumberString,

dot11WNMDiagMfrInfoRprtMfrFirmwareVersion,

dot11WNMDiagMfrInfoRprtMfrAntennaType,

dot11WNMDiagMfrInfoRprtMfrAntennaGain,

dot11WNMDiagMfrInfoRprtMfrProfileId,
dot11WNMDiagConfigProfRprtSupportedRegClasses,  
dot11WNMDiagConfigProfRprtTxPowerMode,  
dot11WNMDiagConfigProfRprtTxPowerLevels,  
dot11WNMDiagConfigProfRprtCipherSuite,  
dot11WNMDiagConfigProfRprtAkmsuite,  
dot11WNMDiagConfigProfRprtEapMethod,  
dot11WNMDiagConfigProfRprtSSID,  
dot11WNMDiagConfigProfRprtPowerSaveMode,  
dot11WNMDiagAssocRprtIndex,  
dot11WNMDiagAssocRprtRqstToken,  
dot11WNMDiagAssocRprtIfIndex,  
dot11WNMDiagAssocRprtBssid,  
dot11WNMDiagAssocRprtRegulatoryClass,  
dot11WNMDiagAssocRprtChannelNumber,  
dot11WNMDiagAssocRprtStatusCode,  
dot11WNMDiag8021xAuthRprtIndex,  
dot11WNMDiag8021xAuthRprtRqstToken,  
dot11WNMDiag8021xAuthRprtIfIndex,  
dot11WNMDiag8021xAuthRprtBssid,  
dot11WNMDiag8021xAuthRprtRegulatoryClass,  
dot11WNMDiag8021xAuthRprtChannelNumber,  
dot11WNMDiag8021xAuthRprtEapMethod,  
dot11WNMDiag8021xAuthRprt8021xCredentials,  
dot11WNMLCIRprtIndex,  
dot11WNMLCIRprtRqstToken,  
dot11WNMLCIRprtIfIndex,  
dot11WNMLCIRprtLocIndParams,  
dot11WNMLCIRprtLCIChanList,  
dot11WNMLCIRprtLCISubElementID,  
dot11WNMLCIRprtLCIStatus,  
dot11WNMLCIRprtTxPower,  
dot11WNMLCIRprtAntennaID,  
dot11WNMLCIRprtAntennaGain,  
dot11WNMLCIRprtRcpi,  
dot11WNMLCIRprtRsni,  
dot11WNMLCIRprtMotionIndicator,  
dot11WNMLCIRprtBearing,  
dot11WNMLCIRprtSpeedUnits,  
dot11WNMLCIRprtHorizontalSpeed,  
dot11WNMLCIRprtVerticalSpeed,  
dot11WNMLCIRprtLCIBcastRate,  
dot11WNMLCIRprtTODTimestamp,  
dot11WNMLCIRprtTODTolerance,  
dot11WNMLCIRprtTODUnits,  
dot11WNMLCIRprtVendorSpecificRprtContent,  
dot11WNMBasTransitRprtIndex,  
dot11WNMBasTransitRprtRqstToken,  
dot11WNMBasTransitRprtIfIndex,  
dot11WNMBasTransitRprtStatus,  
dot11WNMBasTransitRprtTargetBssid,  
dot11WNMColocInterfRprtIndex,  
dot11WNMColocInterfRprtRqstToken,  
dot11WNMColocInterfRprtIfIndex,  
dot11WNMColocInterfRprtPeriod,  
dot11WNMColocInterfRprtInterfLevel,  
dot11WNMColocInterfRprtInterfAccuracy,  
dot11WNMColocInterfRprtInterfIndex,  
dot11WNMColocInterfRprtInterfInterval,  
dot11WNMColocInterfRprtInterfBurstLength,  
dot11WNMColocInterfRprtInterfStartTime,  
dot11WNMColocInterfRprtInterfCenterFreq,  
dot11WNMColocInterfRprtInterfBandwidth }

STATUS current

DESCRIPTION
"The SMTWNMReport package is a set of attributes that shall be present if the STA supports the Wireless Network Management service."
::= { dot11Groups 55 }

-- ********************************************************************************
-- * Note to Editor: need to coordinate dot11Groups number assignment
-- ********************************************************************************