Annex D

(normative)

ASN.1 encoding of the MAC and PHY MIB

Change the "Dot11StationConfigEntry" of the "dotStationConfig TABLE" as follows:

```
-- ********************************************************************

-- * dotStationConfig TABLE

-- ********************************************************************
Dot11StationConfigEntry ::=
      SEQUENCE {
      dot11StationID                              MacAddress,
      dot11MediumOccupancyLimit                   INTEGER,
      dot11CFPollable                             TruthValue,
      dot11CFPeriod                               INTEGER,
      dot11CFPMaxDuration                         INTEGER,
      dot11AuthenticationResponseTimeOut          Unsigned32,
      dot11PrivacyOptionImplemented               TruthValue,
      dot11PowerManagementMode                    INTEGER,
      dot11DesiredSSID                            OCTET STRING,
      dot11DesiredBSSType                         INTEGER,
      dot11OperationalRateSet                     OCTET STRING,
      dot11BeaconPeriod                           INTEGER,
      dot11DTIMPeriod                             INTEGER,
      dot11AssociationResponseTimeOut             Unsigned32,
      dot11DisassociateReason                     INTEGER,
      dot11DisassociateStation                    MacAddress,
      dot11DeauthenticateReason                   INTEGER,
      dot11DeauthenticateStation                  MacAddress,
      dot11AuthenticateFailStatus                 INTEGER,
      dot11AuthenticateFailStation                MacAddress,
      dot11MultiDomainCapabilityImplemented       TruthValue,
      dot11MultiDomainCapabilityEnabled           TruthValue,
      dot11CountryString                          OCTET STRING,
      dot11SpectrumManagementImplemented          TruthValue,
      dot11SpectrumManagementRequired             TruthValue,
      dot11RSNAOptionImplemented                  TruthValue,
      dot11RSNAPreauthenticationImplemented       TruthValue,
      dot11RegulatoryClassesImplemented           TruthValue,
      dot11RegulatoryClassesRequired              TruthValue,
      dot11QosOptionImplemented                   TruthValue,
      dot11ImmediateBlockAckOptionImplemented     TruthValue,
      dot11DelayedBlockAckOptionImplemented       TruthValue,
      dot11DirectOptionImplemented                TruthValue,
      dot11APSDOptionImplemented                  TruthValue,
      dot11QAckOptionImplemented                  TruthValue,
      dot11QBSSLoadOptionImplemented              TruthValue,
      dot11QueueRequestOptionImplemented          TruthValue,
      dot11TXOPRequestOptionImplemented           TruthValue,
      dot11MoreDataAckOptionImplemented           TruthValue,
      dot11AssociatedinNQBSS                      TruthValue,
      dot11DLSAllowdInQBSS                        TruthValue,
      dot11DLSAllowed                             TruthValue,
      dot11AssociateStation                       MacAddress,
      dot11AssociateID                            INTEGER,
      dot11AssociateFailStation                   MacAddress,
      dot11AssociateFailStatus                    INTEGER,
      dot11ReassociateStation                     MacAddress,
      dot11ReassociateID                          INTEGER,
      dot11ReassociateFailStation                 MacAddress,
      dot11ReassociateFailStatus                  INTEGER,
      dot11RadioMeasurementCapable                TruthValue,
      dot11RadioMeasurementEnabled                TruthValue,
      dot11RadioMeasurementProbeDelay             INTEGER,
      dot11MeasurementPilotReceptionEnabled TruthValue,
      dot11MeasurementPilotTransmissionEnabled TruthValue,
```

```
        dot11MeasurementPilotTransmissionVirtualApSetEnabled TruthValue,
        dot11MeasurementPilotPeriod              INTEGER,
        dot11LinkMeasurementEnabled              TruthValue,
        dot11NeighborReportEnabled               TruthValue,
        dot11ParallelMeasurementsEnabled         TruthValue,
        dot11TriggeredMeasurementsEnabled        TruthValue,
        dot11RepeatedMeasurementsEnabled         TruthValue,
        dot11MeasurementPauseEnabled             TruthValue,
        dot11QuietIntervalEnabled                TruthValue,
        dot11PassiveBeaconMeasurementEnabled     TruthValue,
        dot11ActiveBeaconMeasurementEnabled      TruthValue,
        dot11TableBeaconMeasurementEnabled       TruthValue,
        dot11ReportingConditionsEnabled          TruthValue,
        dot11FrameMeasurementEnabled             TruthValue,
        dot11ChannelLoadEnabled                  TruthValue,
        dot11NoiseHistogramEnabled               TruthValue,
        dot11StatisticsReportEnabled             TruthValue,
        dot11LCIReportEnabled                    TruthValue,
        dot11TransmitStreamMeasurementEnabled    TruthValue,
        dot11APChannelReportEnabled              TruthValue,
        dot11AnnexQMIBSupportEnabled             TruthValue,
        dot11NonOperatingChannelMeasurementsEnabled TruthValue,
        dot11MaximumMeasurementDuration          Unsigned32,
        dot11MeasurementPilotSupport             Unsigned32,
        dot11FastBSSTransitionImplemented        TruthValue,
        dot11LCIDSEImplemented                   TruthValue,
        dot11LCIDSERequired                      TruthValue,
        dot11DSERequired                         TruthValue,
        dot11ExtendedChannelSwitchEnabled        TruthValue,
        dot11HighThroughputOptionImplemented     TruthValue,
        dot11TunneledDirectLinkSetupImplemented  TruthValue,
        dot11TDLSPeerUAPSDImplemented            TruthValue,
        dot11TDLSPeerPSMImplemented              TruthValue,
        dot11TDLSPeerUAPSDIndicationWindow       INTEGER,
        dot11TDLSChannelSwitchingImplemented     TruthValue,
        dot11TDLSPeerSTAMissingAckRetryLimit     INTEGER,
        dot11TDLSResponseTimeout                 INTEGER,
        dot11TDLSProbeDelay                      INTEGER,
        dot11OCBEnabled                          TruthValue,
        dot11WirelessManagementImplemented       TruthValue,
        dot11MaxIdlePeriod dot11BssMaxIdlePeriod INTEGER,
        dot11TIMBroadcastInterval                INTEGER,
        dot11TIMBroadcastOffset                  INTEGER,
        dot11MinTriggerTimeout dot11StatsMinTriggerTimeout     INTEGER,
        dot11RRMCivicMeasurementEnabled          TruthValue,
        dot11RRMIdentifierMeasurementEnabled     TruthValue,
        dot11DMSMaxSTAS                          INTEGER,
        dot11DMSMaxChannelLoadForNewService      INTEGER,
        dot11DMSMaxChannelLoad                   INTEGER,
        dot11UTCTSFDTIMInterval dot11TimeAdvertisementDTIMInterval INTEGER,
        dot11UTCTSFOffsetTimeError dot11TimeAdvertisementTimeError INTEGER,
        dot11UTCTSFOffsetTimeValue dot11TimeAdvertisementTimeValue INTEGER}
```

Insert the following elements at the end of the dot11StationConfigTable element definitions:

EDITORIAL NOTE—last entry in 802.11-2007 has order 42. 11k adds 42-56. 11r adds 57. 11y adds none. 11n adds 1 entry (58). 11s adds none.

```
dot11WirelessManagementImplemented OBJECT-TYPE
          SYNTAX TruthValue
          MAX-ACCESS read-only
          STATUS current
          DESCRIPTION
          "This attribute, when TRUE, indicates that the station implementation is capable
      of supporting one or more Wireless Network Management services."
          DEFVAL { false }
          ::= { dot11StationConfigEntry 103}

dot11MaxIdlePeriod dot11BssMaxIdlePeriod OBJECT-TYPE
          SYNTAX INTEGER (1...65535)
          MAX-ACCESS read-write
          STATUS current
          DESCRIPTION
          "This attribute indicates that the number of 1000 TUs that pass before an AP
      disassociates an inactive non-AP STA. This value is transmitted in the Association
      Response and Reassociation frames."
```

```
            ::= { dot11StationConfigEntry 104}

dot11TIMBroadcastInterval OBJECT-TYPE
            SYNTAX INTEGER (0..~~,~~255)
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
                "This attribute indicates the ~~smallest active~~ the number of beacon periods
        between TIM frame  transmissions. A value of 0 disables TIM Broadcast for the
        requesting station."
            DEFVAL { 0 }
            ::= { dot11StationConfigEntry 105}

dot11TIMBroadcastOffset OBJECT-TYPE
            SYNTAX INTEGER (-~~2,147,483,648 to 2,147,483,647~~2147483648..2147483647)
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
                "This attribute indicates the offset in microseconds with a tolerance of +/- 4
        microseconds relative to the TBTT for which a TIM frame is scheduled for
        transmission. The field contains a signed integer."
            DEFVAL { 0 }
            ::= { dot11StationConfigEntry 106}

~~dot11MinTriggerTimeout~~ dot11StatsMinTriggerTimeout OBJECT-TYPE
            SYNTAX INTEGER (10..7200)
            UNITS "seconds"
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
            "This attribute indicates the minimum allowable value for Triggered Timeout. A
        Triggered STA Statistics report is generated by the STA after the timeout if none of
        the trigger conditions are satisfied."
            DEFVAL { 10 }
            ::= { dot11StationConfigEntry 107 }

dot11RRMCivicMeasurementEnabled OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
            "This attribute, when TRUE, indicates that dot11RadioMeasurementEnabled is TRUE
        and that the station capability for Location Civic Measurement is enabled. FALSE
        indicates the station has no Location Civic Measurement capability or that the
        capability is present but is disabled."
            DEFVAL { false }
            ::= { dot11StationConfigEntry 108 }

dot11RRMIdentifierMeasurementEnabled OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
            "This attribute, when TRUE, indicates that dot11RadioMeasurementEnabled is TRUE
        and that the station capability for Location Identifier Measurement is enabled.
        FALSE indicates the station has no Location Identifier Measurement capability or
        that the capability is present but is disabled."
            DEFVAL { false }
            ::= { dot11StationConfigEntry 109 }

dot11DMSMaxSTAS OBJECT-TYPE
            SYNTAX INTEGER (1 to 255)
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
            "This attribute indicates the maximum number of STAs which can be granted for
        Directed Multicast Service (DMS)."
            DEFVAL { 255 }
            ::= { dot11StationConfigEntry 110 }

dot11DMSMaxChannelLoadForNewService OBJECT-TYPE
            SYNTAX INTEGER (1 to 255)
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
            "This attribute indicates the maximum allowed channel load in which a new
        Directed Multicast Service (DMS) may be granted. If the current channel load is
```

```
        larger than or equal to this attribute, the AP shall shall reject any new DMS
        service. The channel load measurement is defined in 11.10.8.3 (IEEE 802.11k-2008)."
            DEFVAL { 255 }
            ::= { dot11StationConfigEntry 111 }

dot11DMSMaxChannelLoad OBJECT-TYPE
            SYNTAX INTEGER (1 to 255)
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
            "This attribute indicates the maximum allowed channel load in which AP can
        support the existing DMS services. If the current channel load is larger than or
        equal to this attribute, the AP may terminate some of existing Directed Multicast
        Services (DMS) to free up the bandwidth that is consumed by the DMS. The value of
        dot11DMSMaxChannelLoad shall be larger than the value of
        dot11DMSMaxChannelLoadForNewService. The channel load measurement is defined in
        11.10.8.3 (IEEE 802.11k-2008)."
            DEFVAL { 255 }
            ::= { dot11StationConfigEntry 112 }

dot11UTCTSFDTIMInterval dot11TimeAdvertisementDTIMInterval OBJECT-TYPE
            SYNTAX INTEGER (1 to 255)
            UNITS "dtims"
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
            "This attribute indicates the interval in number of DTIMS when the UTC TSF Offset
        Time Advertisement element is included in beacon frames."
            DEFVAL { 1 }
            ::= { dot11StationConfigEntry 113 }

dot11UTCTSFOffsetTimeError dot11TimeAdvertisementTimeError OBJECT-TYPE
            OCTET STRING (SIZE(5))
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
            "This attribute indicates the UTC TSF Offset Time Error value as defined in the
        Time Advertisement IE Time Error field when the Time Capabilities field is set to 2.
        This field is included in the Time Advertisement element in Beacon and Probe Response
        frames."
            DEFVAL { 0 }
            ::= { dot11StationConfigEntry 114 }

dot11UTCTSFOffsetTimeValue dot11TimeAdvertisementTimeValue OBJECT-TYPE
            OCTET STRING (SIZE(109))
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
            "This attribute indicates the UTC TSF Offset TimeAdvertisement Time Value as
        defined in the Time Advertisement IE Time Value field when the Time Capabilities
        field is set to 2. The format is defined in Table 7-37c and is included in the Time
        Advertisement element in Beacon and Probe Response frames."
            ::= { dot11StationConfigEntry 115 }


--************************************************************
--*       dotCounters TABLE
--************************************************************
```

Change the "dot11CountersEntry" as follows:

```
Dot11CountersEntry ::=
            SEQUENCE {
                        dot11TransmittedFragmentCount         Counter32,
                        dot11MulticastTransmittedFrameCount   Counter32,
                        dot11FailedCount                      Counter32,
                        dot11RetryCount                       Counter32,
                        dot11MultipleRetryCount               Counter32,
                        dot11FrameDuplicateCount              Counter32,
                        dot11RTSSuccessCount                  Counter32,
                        dot11RTSFailureCount                  Counter32,
                        dot11ACKFailureCount                  Counter32,
                        dot11ReceivedFragmentCount            Counter32,
                        dot11MulticastReceivedFrameCount      Counter32
                        dot11FCSErrorCount                    Counter32,
                        dot11TransmittedFrameCount            Counter32,
                        dot11WEPUndecryptableCount            Counter32,
                        dot11QoSDiscardedFragmentCount        Counter32,
```

```
                    dot11AssociatedStationCount          Counter32,
                    dot11QoSCFPollsReceivedCount         Counter32,
                    dot11QoSCFPollsUnusedCount           Counter32,
                    dot11QoSCFPollsUnusableCount         Counter32,
                    dot11QoSCFPollsLostCount             Counter32,
                    dot11DeniedAssociationCounterDueToBSSLoad       Counter32}
```

Insert the following elements at the end of the dot11Counters table definitions:

```
dot11DeniedAssociationCounterDueToBSSLoad OBJECT-TYPE
          SYNTAX Counter32
          MAX-ACCESS read-only
          STATUS current
          DESCRIPTION
          "This counter, available at a WNM AP, shall increment  when an association
      or re-association request is denied because the AP has insufficient bandwidth
      to handle the additional STA."
          DEFVAL {0}
          ::= { dot11DeniedAssociationCounterDueToBSSLoad 21}
```

EDITORIAL NOTE—11k uses 14. 11r uses 15, 11n uses 16.

Insert the following element at the end of the list of child objects for dot11smt object identifier:

```
--************************************************************
--*Wireless Network Management
--************************************************************
-- dot11WirelessMgmtOptionsTable::= { dot11smt 17}
```

Insert the following text at the end of the Station management MIB:

```
-- ****************************************************************
-- * dot11WirelessMgmtOptions TABLE
-- ****************************************************************
dot11WirelessMgmtOptionsTable OBJECT-TYPE
          SYNTAX SEQUENCE OF Dot11WirelessMgmtOptionsEntry
          MAX-ACCESS not-accessible
          STATUS current
          DESCRIPTION
          “Wireless Management attributes. In tabular form to allow for multiple instances
      on an agent. This table only applies to the interface if
      dot11WirelessManagementImplemented is set to TRUE in the dot11StationConfigTable.
      Otherwise this table should be ignored.”
          ::= { dot11smt 17 }

dot11WirelessMgmtOptionsEntry OBJECT-TYPE
          SYNTAX Dot11WirelessMgmtOptionsEntry
          MAX-ACCESS not-accessible
          STATUS current
          DESCRIPTION
          "An entry in the dot11WirelessMgmtOptionsTable. For all Wireless Management
      features, an "enabled" enabled MIB variable is used to enable or disable the
      corresponding feature.  An "Implemented" Implemented MIB variable is used for an
      optional feature to indicate whether the feature is implemented. A mandatory feature
      does not have a corresponding "Implemented" Implemented MIB variable. It is possible
      for there to be multiple IEEE 802.11 interfaces on one agent, each with its unique
      MAC address. The relationship between an IEEE 802.11 interface and an interface in
      the context of the Internet-standard MIB is one-to-one. TheAs such, the value of an
      ifIndex object instance can be directly used to identify corresponding instances of
      the objects defined herein. ifIndex - Each IEEE 802.11 interface is represented by an
      ifEntry. Interface tables in this MIB module are indexed by ifIndex."
    relationship between an IEEE 802.11 interface and an interface in the context of the
      Internet-standard MIB is one-to-one. As such, the value of an ifIndex object
    instance can be directly used to identify corresponding instances of the objects
      defined herein.
    ifIndex - Each IEEE 802.11 interface is represented by an ifEntry. Interface tables in
      this MIB module are indexed by ifIndex."
          INDEX { ifIndex }
          ::= { dot11WirelessMgmtOptionsTable 1 }
```

```
Dot11WirelessMgmtOptionsEntry ::=
SEQUENCE {
          dot11MgmtOptionLocationEnabled          TruthValue,
          dot11MgmtOptionFMSImplemented           TruthValue,
          dot11MgmtOptionFMSEnabled               TruthValue,
          dot11MgmtOptionEventsEnabled            TruthValue,
          dot11MgmtOptionDiagnosticsEnabled       TruthValue,
          dot11MgmtOptionMultiBSSIDImplemented    TruthValue,
          dot11MgmtOptionMultiBSSIDEnabled        TruthValue,
          dot11MgmtOptionTFSImplemented           TruthValue,
          dot11MgmtOptionTFSEnabled               TruthValue,
          dot11MgmtOptionWNMSleepModeImplemented  TruthValue,
          dot11MgmtOptionWNMSleepModeEnabled      TruthValue,
          dot11MgmtOptionTIMBroadcastImplemented  TruthValue,
          dot11MgmtOptionTIMBroadcastEnabled      TruthValue,
          dot11MgmtOptionProxyARPEnableddot11MgmtOptionProxyARPImplemented TruthValue,
                                  dot11MgmtOptionProxyARPEnabled
          dot11MgmtOptionProxyARPImplemented TruthValue,
          dot11MgmtOptionBSSTransitionEnabled     TruthValue,
          dot11MgmtOptionQoSTrafficCapabilityImplemented    TruthValue,
          dot11MgmtOptionQoSTrafficCapabilityEnabled        TruthValue,
          dot11MgmtOptionACStationCountImplemented          TruthValue,
          dot11MgmtOptionACStationCountEnabled    TruthValue,
          dot11MgmtOptionMulticastDiagnosticsEnabled        TruthValue,

      dot11MgmtOptionCoLocIntfReportingEnableddot11MgmtOptionCoLocIntReportingImplemented
      TruthValue,

dot11MgmtOptionCoLocIntReportingImplementeddot11MgmtOptionCoLocIntfReportingEnabled
TruthValue,
          dot11MgmtOptionLocationTrackNotificationImplemented         TruthValue,
          dot11MgmtOptionLocationTrackNotificationEnabled   TruthValue,
          dot11MgmtOptionMotionDetectionImplemented         TruthValue,
          dot11MgmtOptionMotionDetectionEnabled   TruthValue,
          dot11MgmtOptionTODImplemented           TruthValue,
          dot11MgmtOptionTODEnabled               TruthValue,
          dot11MgmtOptionTimingMsmtImplemented    TruthValue,
          dot11MgmtOptionTimingMsmtEnabled        TruthValue,
          dot11MgmtOptionChannelUsageImplemented  TruthValue,
          dot11MgmtOptionChannelUsageEnabled      TruthValue,
          dot11MgmtOptionTriggerSTAStatisticsEnabled        TruthValue,
          dot11MgmtOptionSSIDListImplemented      TruthValue,
          dot11MgmtOptionSSIDListEnabled          TruthValue,
          dot11MgmtOptionDMSImplemented           TruthValue,
          dot11MgmtOptionDMSEnabled               TruthValue,

      dot11MgmtOptionUTCTSFOffsetImplementeddot11MgmtOptionTimeAdvertisementImplemented
      TruthValue,
          dot11MgmtOptionUTCTSFOffsetEnableddot11MgmtOptionTimeAdvertisementEnabled
      TruthValue}


dot11MgmtOptionLocationEnabled OBJECT-TYPE
          SYNTAX TruthValue
          MAX-ACCESS read-write
          STATUS current
          DESCRIPTION
          "This attribute, when TRUE, indicates that the capability of the station to
      provide location is enabled. The capability is disabled, otherwise."
          DEFVAL { false}
          ::= { dot11WirelessMgmtOptionsEntry 1 }

dot11MgmtOptionFMSImplemented OBJECT-TYPE
          SYNTAX TruthValue
          MAX-ACCESS read-only
          STATUS current
          DESCRIPTION
          "This attribute, when TRUE, indicates that the station implementation is capable
      of supporting FMS when the dot11WirelessManagementImplemented is set to TRUE."
          DEFVAL { false}
          ::= { dot11WirelessMgmtOptionsEntry 2 }

dot11MgmtOptionFMSEnabled OBJECT-TYPE
          SYNTAX TruthValue
          MAX-ACCESS read-write
```

```
            STATUS current
            DESCRIPTION
            "This attribute, when TRUE, indicates that the capability of the station to
       provide FMS is enabled. The capability is disabled, otherwise"
            DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 3 }

dot11MgmtOptionEventsEnabled OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
            "This attribute, when TRUE, indicates that the capability of the station to
       provide Event Reporting is enabled. The capability is disabled, otherwise"
            DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 4 }

dot11MgmtOptionDiagnosticsEnabled OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
            "This attribute, when TRUE, indicates that the capability of the station to
       provide Diagnostic Reporting is enabled. The capability is disabled, otherwise."
            DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 5 }

dot11MgmtOptionMultiBSSIDImplemented OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-only
            STATUS current
            DESCRIPTION
                 "This attribute, when TRUE, indicates that the station
                 implementation is capable of supporting Multiple BSSID when the
                 dot11WirelessManagementImplemented is set to TRUE."
                 DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 6 }

dot11MgmtOptionMultiBSSIDEnabled OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
                 "This attribute, when TRUE, indicates that the
                 capability of the station to provide Multi BSSID is
                 enabled. The capability is disabled, otherwise."
                 DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 7 }

dot11MgmtOptionTFSImplemented OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-only
            STATUS current
            DESCRIPTION
                     "This attribute, when TRUE, indicates that the station implementation is
                     capable of supporting TFS when the dot11WirelessManagementImplemented
                     is set to TRUE."
                     DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 8 }

dot11MgmtOptionTFSEnabled OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
                     "This attribute, when TRUE, indicates that TFS is enabled. TFS is
                     disabled otherwise."
```

```
                    DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 9 }

dot11MgmtOptionWNMSleepModeImplemented OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-only
            STATUS current
            DESCRIPTION
"This attribute, when TRUE, indicates that the station implementation is capable of
      supporting WNMSleep Mode when the dot11WirelessManagementImplemented is set to
      TRUE."
DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 10 }

dot11MgmtOptionWNMSleepModeEnabled OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
                    "This attribute, when TRUE, indicates that WNMSleep Mode is enabled.
                    WNMSleep Mode is disabled otherwise."
                    DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 11 }

dot11MgmtOptionTIMBroadcastImplemented OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-only
            STATUS current
            DESCRIPTION
                    "This attribute, when TRUE, indicates that the station implementation is
                    capable of supporting TIM Broadcast when the
                    dot11WirelessManagementImplemented is set to TRUE."
                    DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 12}

dot11MgmtOptionTIMBroadcastEnabled OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
                    "This attribute, when TRUE, indicates that TIM broadcast is enabled. TIM
                    broadcast is disabled otherwise."
                    DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 13}


dot11MgmtOptionProxyARPEnabled dot11MgmtOptionProxyARPImplemented OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-writeonly
            STATUS current
            DESCRIPTION DESCRIPTION
                                "This attribute, when TRUE, indicates that the capability
      station implementation is capable of the AP to provide supporting the Proxy ARP
      service service, when the dot11WirelessManagementImplemented is enabled. The
      capability is disabled, otherwiseset to TRUE."”
            DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 14 }

dot11MgmtOptionProxyARPImplemented dot11MgmtOptionProxyARPEnabled OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-onlywrite
            STATUS current
            DESCRIPTIONDESCRIPTION
             "This attribute, when TRUE, indicates that the station implementation is capable
      of supporting the Proxy ARP service, when the dot11WirelessManagementImplemented is
      set to TRUE.”
```

```
                    "This attribute, when TRUE, indicates that the capability of the AP to
      provide the Proxy ARP service is enabled. The capability is disabled, otherwise."
          DEFVAL { false}
          ::= { dot11WirelessMgmtOptionsEntry 15 }


dot11MgmtOptionBSSTransitionEnabled OBJECT-TYPE
          SYNTAX TruthValue
          MAX-ACCESS read-write
          STATUS current
          DESCRIPTION
                    "This attribute, when TRUE, indicates that the capability of the
      station to provide BSS Transition is enabled. The capability is disabled, otherwise.
      "
          DEFVAL { false}
          ::= { dot11WirelessMgmtOptionsEntry 16 }

dot11MgmtOptionQoSTrafficCapabilityImplemented OBJECT-TYPE
          SYNTAX TruthValue
          MAX-ACCESS read-only
          STATUS current
          DESCRIPTION
          "This attribute, when TRUE, indicates that the station implementation is capable
      of supporting QoS Traffic Capability when the dot11WirelessManagementImplemented is
      set to TRUE."
          DEFVAL { false}
          ::= { dot11WirelessMgmtOptionsEntry 17 }

dot11MgmtOptionQoSTrafficCapabilityEnabled OBJECT-TYPE
          SYNTAX TruthValue
          MAX-ACCESS read-write
          STATUS current
          DESCRIPTION
          "This attribute, when TRUE, indicates that the capability of the station to
      provide QoS Traffic Capability is enabled. QoS Traffic Capability is disabled
      otherwise."
          DEFVAL { false}
          ::= { dot11WirelessMgmtOptionsEntry 18 }

dot11MgmtOptionACStationCountImplemented OBJECT-TYPE
          SYNTAX TruthValue
          MAX-ACCESS read-only
          STATUS current
          DESCRIPTION
          "This attribute, when TRUE, indicates that the station implementation is capable
      of supporting AC Station Count when the dot11WirelessManagementImplemented is set to
      TRUE."
          DEFVAL { false}
          ::= { dot11WirelessMgmtOptionsEntry 19 }


dot11MgmtOptionACStationCountEnabled OBJECT-TYPE
          SYNTAX TruthValue
          MAX-ACCESS read-write
          STATUS current
          DESCRIPTION
          "This attribute, when TRUE, indicates that the capability of the station to
      provide AC Station Count is enabled. AC Station Count is disabled otherwise."
          DEFVAL { false}
          ::= { dot11WirelessMgmtOptionsEntry 20 }

dot11MgmtOptionCoLocIntfReportingEnabled dot11MgmtOptionCoLocIntReportingImplemented
      OBJECT-TYPE
          SYNTAX TruthValue
          MAX-ACCESS read-write
          STATUS current
          DESCRIPTION
          "This attribute, when TRUE, indicates that the capability station implementation
      is capable of the station to support supports supporting Colocated Interference
      Reporting is enabledReporting. The capability is disabled, otherwise."
          DEFVAL { false}
          ::= { dot11WirelessMgmtOptionsEntry 21 }

dot11MgmtOptionCoLocIntReportingImplemented dot11MgmtOptionCoLocIntfReportingEnabled
      OBJECT-TYPE
          SYNTAX TruthValue
          MAX-ACCESS read-write
          STATUS current
          DESCRIPTION
```

```
            "This attribute, when TRUE, indicates that the capability of the station
        implementation is capable of supporting to support Colocated Interference
        ReportingReporting is enabled. The capability is disabled, otherwise."
            DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 22 }

dot11MgmtOptionMotionDetectionImplemented OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-only
            STATUS current
            DESCRIPTION
             "This attribute, when TRUE, indicates that the station implementation is capable
        of supporting motion detection when the dot11WirelessManagementImplemented is set to
        TRUE. "
            DEFVAL { false}
::= { dot11WirelessMgmtOptionsEntry 23 }

dot11MgmtOptionMotionDetectionEnabled OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
             "This attribute, when TRUE, indicates that the capability to support motion
        detection is enabled."
            DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 24 }

dot11MgmtOptionTODImplemented OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-only
            STATUS current
            DESCRIPTION
             "This attribute, when TRUE, indicates that the station implementation is capable
        of supporting Time Of Departure for transmitted Clause 15, 17, 18, 19 and 20 frames
        when the dot11WirelessManagementImplemented is set to TRUE."
            DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 25 }

dot11MgmtOptionTODEnabled OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
             "This attribute, when TRUE, indicates that the capability to support Time Of
        Departure frames for transmitted Clause 15, 17, 18, 19 and 20 frames is enabled."
            DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 26 }

dot11MgmtOptionTimingMsmtImplemented OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-only
            STATUS current
            DESCRIPTION
             "This attribute, when TRUE, indicates that the station implementation is capable
        of supporting Timing Measurement capability when the
        dot11WirelessManagementImplemented is set to TRUE."
            DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 27 }

dot11MgmtOptionTimingMsmtEnabled OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
             "This attribute, when TRUE, indicates that the station capability for Timing
        Measurement is enabled. FALSE indicates the station has no Timing Measurement
        capability or that the capability is present but is disabled."
            DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 28 }

dot11MgmtOptionChannelUsageImplemented OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-only
            STATUS current
            DESCRIPTION
            "This attribute, when TRUE, indicates that the station implementation is capable
        of supporting Channel Usage when the dot11WirelessManagementImplemented is set to
        TRUE."
```

```
        DEFVAL { false}
        ::= { dot11WirelessMgmtOptionsEntry 29 }

dot11MgmtOptionChannelUsageEnabled OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
            "This attribute, when TRUE, indicates that Channel Usage is enabled. Channel
        Usage is disabled otherwise.”
            DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 30 }

dot11MgmtOptionTriggerSTAStatisticsEnabled OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
            “This attribute, when TRUE, indicates that the capability of the station to
        provide triggered STA statistics is enabled. The capability is disabled otherwise"
            DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 31 }

dot11MgmtOptionSSIDListImplemented OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-only
            STATUS current
            DESCRIPTION
            "This attribute, when TRUE, indicates that the station implementation is capable
        of supporting the SSID List capability when the dot11WirelessManagementImplemented
        is TRUE."
            DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 32 }

dot11MgmtOptionSSIDListEnabled OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-only
            STATUS current
            DESCRIPTION
            "This attribute, when TRUE, indicates that the capability of the station to
        support the SSID List capability is enabled. The capability is disabled, otherwise"
            DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 33 }

dot11MgmtOptionMulticastDiagnosticsEnabled OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
                 "This attribute, when TRUE, indicates that the
                 capability of the station to provide Multicast Diagnostic Reporting is
                 enabled. The capability is disabled, otherwise."
                 DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 34 }

dot11MgmtOptionLocationTrackNotificationImplemented OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-only
            STATUS current
            DESCRIPTION
                 "This attribute, when TRUE, indicates that the station
                 implementation is capable of supporting Location Track Notification when
                 the dot11WirelessManagementImplemented is TRUE."
                 DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 35 }

dot11MgmtOptionLocationTrackNotificationEnabled OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
                 "This attribute, when TRUE, indicates that the
                 capability of the station to provide Location Track Notification is
                 enabled. The capability is disabled otherwise."
```

```
                DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 36 }

dot11MgmtOptionDMSImplemented OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
                "This attribute, when TRUE, indicates that the station implementation is
                capable of supporting DMS when the dot11WirelessManagementImplemented is
                TRUE."
                DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 37 }

dot11MgmtOptionDMSEnabled OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
                "This attribute, when TRUE, indicates that DMS is enabled. DMS is disabled
                otherwise."
                DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 38 }

~~dot11MgmtOptionUTCTSFOffsetImplemented~~ dot11MgmtOptionTimeAdvertisementImplemented OBJECT-
TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
            "This attribute, when TRUE, indicates that the
                Station implementation is capable of supporting ~~UTC TSF Offset~~
                ~~advertisement~~ Time Advertisement when the
                dot11WirelessManagementImplemented is set to TRUE."
                DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 39 }

~~dot11MgmtOptionUTCTSFOffsetEnabled~~ dot11MgmtOptionTimeAdvertisementEnabled OBJECT-TYPE
            SYNTAX TruthValue
            MAX-ACCESS read-write
            STATUS current
            DESCRIPTION
            "This attribute, when TRUE, indicates that ~~UTC TSF Offset advertisement~~ Time
            Advertisement is enabled at the station. The capability is disabled, otherwise."
                DEFVAL { false}
            ::= { dot11WirelessMgmtOptionsEntry 40}

 -- ********************************************************************
 -- * dot11LocationServices TABLE
 -- ********************************************************************
 dot11LocationServicesTable OBJECT-TYPE
          SYNTAX SEQUENCE OF Dot11LocationServicesEntry
          MAX-ACCESS read-write
          STATUS current
          DESCRIPTION
              "Group contains conceptual table of attributes for
              WNM LocationServices."
    ::= { dot11smt 19 }

dot11LocationServicesEntry OBJECT-TYPE
         SYNTAX Dot11LocationServicesEntry
         MAX-ACCESS read-write
         STATUS current
         DESCRIPTION
         "An entry in the dot11LocationServicesTable
         Indexed by dot11LocationServicesIndex."
    INDEX { dot11LocationServicesIndex }
    ::= { dot11LocationServicesTable 1 }

Dot11LocationServicesEntry ::=
    SEQUENCE {
```

```
            dot11LocationServicesIndex Unsigned32,
            dot11LocationServicesMACAddress MacAddress,
            dot11LocationServicesIndex Unsigned32,
            dot11LocationServicesMACAddress
        MacAddressdot11LLocationServicesLocationIndicationParamsReportIntervalUnits
        INTEGER,
            dot11LLocationServicesLocationIndicationParametersReportIntervalUnits
        dot11LocationServicesLocationIndicationParamsNormalReportInterval INTEGER,
            dot11LocationServicesLocationIndicationParametersNormalReportInterval
        dot11LocationServicesLocationIndicationParamsNormalFramesperChannel INTEGER,
            dot11LocationServicesLocationIndicationParametersNormalFramesperChannel
        dot11LocationServicesLocationIndicationParamsInMotionReportInterval INTEGER,
            dot11LocationServicesLocationIndicationParametersInMotionReportInterval
        dot11LocationServicesLocationIndicationParamsInMotionFramesperChannel INTEGER,
            dot11LocationServicesLocationIndicationParametersInMotionFramesperChannel
        dot11LocationServicesLocationIndicationParamsBurstInterframeInterval INTEGER,
            dot11LocationServicesLocationIndicationParamsTrackingDuration         INTEGER,
            dot11LocationServicesLocationIndicationParametersBurstInterframeInterval
        dot11LocationServicesLocationIndicationParamsEssDetectionInterval INTEGER,
            dot11LocationServicesLocationIndicationChannelsChannel
        dot11LocationServicesLocationIndicationChannelList OCTET STRING,
            dot11LocationServicesLocationStatus INTEGER}

dot11LocationConfigIndex OBJECT-TYPE
        SYNTAX Unsigned32
        MAX-ACCESS read-write
        STATUS current
        DESCRIPTION
            "This attribute is the Index for LocationServices Report elements in
dot11LocationServicesTable,
            greater than 0."
    ::= { dot11LocationServicesEntry 1 }

dot11LocationServicesMACAddress OBJECT-TYPE
        SYNTAX MacAddress
        MAX-ACCESS read-write
        STATUS current
        DESCRIPTION
            "This attribute is the MAC address of the STA reporting location information."
    ::= { dot11LocationServicesEntry 2 }

dot11LocationServicesLocationIndicationParametersReportIntervalUnits
dot11LocationServicesLocationIndicationParamsReportIntervalUnits OBJECT-TYPE
        SYNTAX INTEGER (0..255)
        SYNTAX INTEGER {
               hours(0),
               minutes(1),
               seconds(2),
               milliseconds(3)
               }
        MAX-ACCESS read-write
        STATUS current
        DESCRIPTION
            "This attribute contains the Location Indication Parameters Report Interval
Units value."
    ::= { dot11LocationServicesEntry 3 }

dot11LocationServicesLocationIndicationParametersNormalReportInterval
dot11LocationServicesLocationIndicationParamsNormalReportInterval OBJECT-TYPE
        SYNTAX INTEGER (0..65535)
        MAX-ACCESS read-write
        STATUS current
        DESCRIPTION
            "This attribute contains the Location Indication Parameters Normal Report
Interval value."
            "This attribute contains the time interval, expressed in the units indicated in
the Report Interval Units field, at which the reporting STA is expected to transmit one or
```

```
more Location Track Notification frames if either dot11MgmtOptionMotionDetectionEnabled is
false or the STA is stationary. The STA will not transmit Location Track Notification
frames when the Normal Report Interval is 0."
    ::= { dot11LocationServicesEntry 4 }

dot11LocationServicesLocationIndicationParametersNormalFramesperChannel
      dot11LocationServicesLocationIndicationParamsNormalFramesperChannel OBJECT-TYPE
      SYNTAX INTEGER (0..255)
      MAX-ACCESS read-write
      STATUS current
      DESCRIPTION
          "This attribute contains the number of Location Indication Parameters Track
      Notification frames per channel sent or expected to be sent by the STA at each Normal
      Frames per Channel valueReport Interval."
      ::= { dot11LocationServicesEntry 5 }
dot11LocationServicesLocationIndicationParametersInMotionReportInterval OBJECT-TYPE
      SYNTAX INTEGER (0..65535)
      MAX-ACCESS read-write
      STATUS current
      DESCRIPTION
          "This attribute contains the Location Indication Parameters in-motion Report
      Interval value."
      ::= { dot11LocationServicesEntry 6 }

dot11LocationServicesLocationIndicationParamsInMotionReportInterval OBJECT-TYPE
      SYNTAX INTEGER (0..65535)
      MAX-ACCESS read-write
      STATUS current
      DESCRIPTION
          "This attribute contains the time interval, expressed in the units indicated in
      the Report Interval Units field, at which the STA reports its location by sending a
      Location Track Notification frame when the reporting STA is in motion. If
      dot11MgmtOptionMotionDetectionEnabled is false, this field is set to 0."
      ::= { dot11LocationServicesEntry 6 }

dot11LocationServicesLocationIndicationParametersInMotionFramesperChannel
      dot11LocationServicesLocationIndicationParamsInMotionFramesperChannel OBJECT-TYPE
      SYNTAX INTEGER (0..255)
      MAX-ACCESS read-write
      STATUS current
          DESCRIPTION
          "This attribute contains the Location Indication Parameters in-motion Frames per
      Channel value."
            "This attribute contains the number of Location Track Notification frames per
      channel sent or expected to be sent by the STA at each In-Motion Report Interval. If
      dot11MgmtOptionMotionDetectionEnabled is false, this field is set to 0."
    ::= { dot11LocationServicesEntry 7 }

dot11LocationServicesLocationIndicationParametersBurstInterframeInterval
      dot11LocationServicesLocationIndicationParamsBurstInterframeInterval OBJECT-TYPE
        SYNTAX INTEGER (0..255)
        MAX-ACCESS read-write
        STATUS current
        DESCRIPTION
            "This attribute contains the target time interval, expressed in milliseconds,
      between the transmissions of each of the Normal or In-Motion frames on the same
      channel. The Burst Inter-frame interval value is set to 0 to indicate that frames
      will be transmitted with no target inter-frame delay."
    ::= { dot11LocationServicesEntry 8 }


dot11LocationServicesLocationIndicationParamsTrackingDuration OBJECT-TYPE
        SYNTAX INTEGER (0..255)
        "This attribute contains the Location Indication Parameters interMAX-ACCESS
      read-frame Interval value."write
        STATUS current
        DESCRIPTION
            "This attribute contains the amount of time, in minutes, that a STA sends the
      Location Track Notification frames. The duration starts as soon as the STA sends a
      Location Configuration Response frame with a Location Status value of Success. If
      the Tracking Duration value is a non-zero value the STA will send Location Track
      Notification Frames, based on the Normal and In-Motion Report Interval field values,
      until the duration ends. If the Tracking Duration is 0 the STA will continuously send
      Location Track Notification frames as defined by Normal and In-Motion Report
      Interval field values until transmission is terminated based on 11.22.4.2
      procedures."
    ::= { dot11LocationServicesEntry 8 9}
```

```
dot11LocationServicesLocationIndicationParamsEssDetectionInterval INTEGER,
        SYNTAX INTEGER (0..255)
        MAX-ACCESS read-write
        STATUS current
        DESCRIPTION
          "This attribute contains the interval, in minutes, that a STA checks for beacons
      transmitted by one or more APs belonging to the same ESS that configured the STA. If
      no beacons from the ESS are received for this period, the STA terminates transmission
      of Location Track Notification frames as described in 11.22.4.2 procedures. The ESS
      Detection Interval field is not used when the ESS Detection Interval field value is
      set to 0."
    ::= { dot11LocationServicesEntry 10}

dot11LocationServicesLocationIndicationChannels
      dot11LocationServicesLocationIndicationChannelList OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE (2..254))
        MAX-ACCESS read-write
        STATUS current
        DESCRIPTION
            "This attribute contains the Location Indication Channels Channel and one or
      more Regulatory Class and Channel octet fieldspairs."
    ::= { dot11LocationServicesEntry 9 11}

dot11LocationServicesLocationStatus OBJECT-TYPE
        SYNTAX INTEGER (0..255)
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the Location Status valuevalue as indicated in Table
      7-43v, Event Report Status."
    ::= { dot11LocationServicesEntry 10 12 }

-- ****************************************************************
 -- * End of dot11LocationServices TABLE
 -- ****************************************************************


 -- ****************************************************************
 -- * dot11WirelessMGTEvent TABLE
 -- ****************************************************************
 dot11WirelessMGTEventTable OBJECT-TYPE
         SYNTAX SEQUENCE OF dot11WirelessMGTEventEntry
         MAX-ACCESS not-accessible
         STATUS current
         DESCRIPTION
             "Group contains the current list of WIRELESS 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
              the EventIndex for new reports being written in the table."
    ::= { dot11smt 20 }

dot11WirelessMGTEventEntry OBJECT-TYPE
        SYNTAX dot11WirelessMGTEventEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
        "An entry in the dot11WirelessMGTEventTable
        Indexed by dot11WirelessMGTEventIndex."
    INDEX { dot11WirelessMGTEventIndex }
    ::= { dot11WirelessMGTEventTable 1 }

dot11WirelessMGTEventEntry ::=
    SEQUENCE {
        dot11WirelessMGTEventIndex                      Unsigned32,
        dot11WirelessMGTEventIndex dot11WirelessMGTEventMACAddress Unsigned32MacAddress,
        dot11WirelessMGTEventMACAddress dot11WirelessMGTEventType MacAddressINTEGER,
        dot11WirelessMGTEventType dot11WirelessMGTEventStatus INTEGER,
        dot11WirelessMGTEventStatus dot11WirelessMGTEventTSF INTEGERTSFType,
            dot11WirelessMGTEventTimestamp dot11WirelessMGTEventTimeValueOCTET STRING,
            dot11WirelessMGTEventTransitionSourceBSSID dot11WirelessMGTEventTimeError
      MacAddressOCTET STRING,
            dot11WirelessMGTEventTransitionTargetBSSID
      dot11WirelessMGTEventTransitionSourceBSSID            MacAddress,
        dot11WirelessMGTEventTransitionTime dot11WirelessMGTEventTransitionTargetBSSID
      INTEGERMacAddress,
        dot11WirelessMGTEventTransitionReason dot11WirelessMGTEventTransitionTime INTEGER,
```

```
        dot11WirelessMGTEventTransitionResult dot11WirelessMGTEventTransitionReason
      INTEGER,
        dot11WirelessMGTEventTransitionSourceRCPI dot11WirelessMGTEventTransitionResult
      INTEGER,
        dot11WirelessMGTEventTransitionSourceRSNI
      dot11WirelessMGTEventTransitionSourceRCPI            INTEGER,
        dot11WirelessMGTEventTransitionTargetRCPI
      dot11WirelessMGTEventTransitionSourceRSNI            INTEGER,
        dot11WirelessMGTEventTransitionTargetRSNI
      dot11WirelessMGTEventTransitionTargetRCPI            INTEGER,
        dot11WirelessMGTEventRSNATargetBSSID dot11WirelessMGTEventTransitionTargetRSNI
      MacAddressINTEGER,
        dot11WirelessMGTEventRSNAAuthenticationType dot11WirelessMGTEventRSNATargetBSSID
      OCTET STRINGMacAddress,
        dot11WirelessMGTEventRSNAEAPMethod dot11WirelessMGTEventRSNAAuthenticationType
      OCTET STRING,
        dot11WirelessMGTEventRSNAResult dot11WirelessMGTEventRSNAEAPMethod INTEGEROCTET
      STRING,
        dot11WirelessMGTEventRSNElement dot11WirelessMGTEventRSNAResult INTEGER,
        dot11WirelessMGTEventPeerSTAAddress dot11WirelessMGTEventRSNElement
      MacAddressINTEGER,
        dot11WirelessMGTEventPeerRegulatoryClass dot11WirelessMGTEventPeerSTAAddress
      INTEGERMacAddress,
        dot11WirelessMGTEventPeerChannelNumber dot11WirelessMGTEventPeerRegulatoryClass
      INTEGER,
        dot11WirelessMGTEventPeerSTATxPower dot11WirelessMGTEventPeerChannelNumber
      INTEGER,
        dot11WirelessMGTEventPeerConnectionTime dot11WirelessMGTEventPeerSTATxPower
      INTEGER,
        dot11WirelessMGTEventWNMLog dot11WirelessMGTEventPeerConnectionTime
      DisplayString}INTEGER,
        dot11WirelessMGTEventWNMLog                        DisplayString}

dot11WirelessMGTEventIndex OBJECT-TYPE
        SYNTAX Unsigned32
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the Index for EVENT Report elements in
      dot11WirelessMGTEventTable,greater than 0."
    ::= { dot11WirelessMGTEventEntry 1 }

dot11WirelessMGTEventMACAddress OBJECT-TYPE
        SYNTAX MacAddress
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute is the MAC address of the STA providing the Event Report."
    ::= { dot11WirelessMGTEventEntry 2 }

dot11WirelessMGTEventType OBJECT-TYPE
        SYNTAX INTEGER (0...255)
        SYNTAX INTEGER {
                transition(0),
                rsna(1),
                peerToPeer(2),
                WNMLog(3),
                vendorSpecific(221)
                }
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the request type of this WNM Event request."
    ::= { dot11WirelessMGTEventEntry 3 }

dot11WirelessMGTEventStatus OBJECT-TYPE
        SYNTAX INTEGER {
                successful(0),
                requestFailed(1),
                requestRefused(2),
                requestIncapable(3),
                detectedFrequentTransition(4)
                }
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the Type status value of included in the Event Report
      elementReport."
```

```
    ::= { dot11WirelessMGTEventEntry 3 4 }

dot11WirelessMGTEventStatus dot11WirelessMGTEventTSF OBJECT-TYPE
        SYNTAX INTEGER (0..255) TSFType
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the status value included in of the Event
      Reporttimestamp field."
    ::= { dot11WirelessMGTEventEntry 4 5 }

dot11WirelessMGTEventTimestamp dot11TimeAdvertisementTimeValue OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE(89))
        MAX-ACCESS read-onlywrite
        STATUS current
        DESCRIPTION
            "This attribute contains the value of the Event timestamp field."
          DESCRIPTION
          "This attribute indicates the TimeAdvertisement Time Value as defined in the Time
      Advertisement IE Time Value field when the Time Capabilities field is set to 2. The
      format is defined in Table 7-37c and is included in the Time Advertisement element in
      Beacon and Probe Response frames."
     ::= { dot11WirelessMGTEventEntry 5 6}

dot11WirelessMGTEventTransitionSourceBSSID dot11TimeAdvertisementTimeError OBJECT-TYPE
        SYNTAX MacAddress OCTET STRING (SIZE SIZE(65))
        MAX-ACCESS read-onlywrite
        STATUS current
        DESCRIPTION
            "This attribute contains the value of the Source BSSID field in a Transition
      event report."
          DESCRIPTION
          "This attribute indicates the Time Error value as defined in the Time
      Advertisement IE Time Error field when the Time Capabilities field is set to 2. This
      field is included in the Time Advertisement element in Beacon and Probe Response
      frames."
          DEFVAL { 0 }
     ::= { dot11WirelessMGTEventEntry 6 7}

dot11WirelessMGTEventTransitionTargetBSSID dot11WirelessMGTEventTransitionSourceBSSID
      OBJECT-TYPE
        SYNTAX MacAddress (SIZE (6))MacAddress
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the value of the Target Source BSSID field in a
      Transition event report."
    ::= { dot11WirelessMGTEventEntry 7 8}


dot11WirelessMGTEventTransitionTime dot11WirelessMGTEventTransitionTargetBSSID OBJECT-TYPE
        SYNTAX INTEGER (0..65535)MacAddress
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
           "This attribute contains the value of the Transition Time Target BSSID field in
      the a Transition event report."
    ::= { dot11WirelessMGTEventEntry 8 9}


dot11WirelessMGTEventTransitionReason dot11WirelessMGTEventTransitionTime OBJECT-TYPE
        SYNTAX INTEGER (0..25565535)
        UNITS “TUs”
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the value of the Transition Reason field in the
      Transition event report."
          "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 11.22.2.2"
    ::= { dot11WirelessMGTEventEntry 9 10}

dot11WirelessMGTEventTransitionResult dot11WirelessMGTEventTransitionReason OBJECT-TYPE
       SYNTAX INTEGER {
              unspecified(0),
              excessiveFrameLossRatesPoorConditions(1),
              excessiveDelayForCurrentTrafficStreams(2),
```

```
                insufficientQosCapacityForCurrentTrafficStreams(3),
                firstAssociationToEss(4),
                loadBalancing(5),
                betteApFound(6),
                deauthenticatedDisassociatedFromPreviousAp(7),
                certificateToken(8),
                apFailedIeee8021XEapAuthentication(9),
                apFailed4wayHandshake(10),
                excessiveDataMICFailures(11),
                exceededFrameTransmissionRetryLimit(12),
                ecessiveBroadcastDisassociations(13),
                excessiveBroadcastDeauthentications(14),
                previousTransition Failed(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." ::= {
      dot11WirelessMGTEventEntry 11}

dot11WirelessMGTEventTransitionResult OBJECT-TYPE
        SYNTAX INTEGER (0..65535)
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the value of the Transition Result field in the
      Transition event report."
            "This attribute indicates the result of the attempted transition and is set to
      one of the Status Codes specified in Table7-23 in 7.3.1.9."
    ::= { dot11WirelessMGTEventEntry 10 12 }

dot11WirelessMGTEventTransitionSourceRCPI OBJECT-TYPE
        SYNTAX INTEGER (0..255)
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the value of the Source RCPI field in the Transition
      event report."
            "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."
    ::= { dot11WirelessMGTEventEntry 11 13 }

dot11WirelessMGTEventTransitionSourceRSNI OBJECT-TYPE
        SYNTAX INTEGER (0..255)
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the value of the Source RSNI field in the Transition
      event report."
            "This attribute indicates the received signal to noise indication of the most
      recently measured frame from the Source BSSID before the STA reassociates to the
      Target BSSID. The Source RSNI is reported in dB, as defined in 7.3.2.41."
    ::= { dot11WirelessMGTEventEntry 12 14 }

dot11WirelessMGTEventTransitionTargetRCPI OBJECT-TYPE
        SYNTAX INTEGER (0..255)
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the value of the Target RCPI field in the Transition
      event report."
            "This attribute indicates the received channel power of the first measured frame
      just after STA reassociates to the Target BSSID. If association with target BSSID
      failed, the Target RCPI field indicates the received channel power of the most
      recently measured frame from the Target BSSID. The Target RCPI is reported in dBm, as
      defined in the RCPI measurement clause for the PHY Type."
    ::= { dot11WirelessMGTEventEntry 13 15 }

dot11WirelessMGTEventTransitionTargetRSNI OBJECT-TYPE
        SYNTAX INTEGER (0..255)
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the value of the Target RSNI field in the Transition
      event report."
```

```
            "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."
    ::= { dot11WirelessMGTEventEntry 14 16 }

dot11WirelessMGTEventRSNATargetBSSID OBJECT-TYPE
        SYNTAX MacAddress (SIZE (6))
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the value of the Target BSSID field in an RSNA event
        report."
    ::= { dot11WirelessMGTEventEntry 15 17 }

dot11WirelessMGTEventRSNAAuthenticationType OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE (4))
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the value of the Authentication Type field in an RSNA
        event report."
                "This attribute indicates the AKM suite, as defined in Table 7-34 in
                7.3.2.25.2. The first three octets indicate the OUI. The last octet indi-
                cates the suite type."
    ::= { dot11WirelessMGTEventEntry 16 18 }

dot11WirelessMGTEventRSNAEAPMethod OBJECT-TYPE
        SYNTAX OCTET STRING(SIZE (1..8))
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the value of the EAP Method field in an RSNA event
        report."
            "This attribute indicates a value that identifies the EAP Method. When the
        Authentication Type field is set to the value of either 00-0F-AC:1 (Authentication
        negotiated over IEEE 802.1X or using PMKSA caching as defined in 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 contains either the legacy type (1 octet) or
        the expanded type (1 octet type = 254, 3-octet Vendor ID, 4-octet Vendor-Type). The
        EAP Method field is set to 0 otherwise."
   ::= { dot11WirelessMGTEventEntry 17 19 }

dot11WirelessMGTEventRSNAResult OBJECT-TYPE
        SYNTAX INTEGER (0..255 65535)
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the value of the RSNA Result field in an RSNA event
        report."
            "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."
    ::= { dot11WirelessMGTEventEntry 18 20}

dot11WirelessMGTEventRSNARSNElement OBJECT-TYPE
SYNTAX OCTET STRING (SIZE(360..256257))
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the value of the RSN Element field in an RSNA event
        report."
            "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 }
    ::= { dot11WirelessMGTEventEntry 19 21}

dot11WirelessMGTEventPeerSTAAddress OBJECT-TYPE
        SYNTAX MacAddress
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the value of the Peer STA Address field in a Peer-to-
        Peer Link event report."
            "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."
    ::= { dot11WirelessMGTEventEntry 20 22 }

dot11WirelessMGTEventPeerRegulatoryClass OBJECT-TYPE
        SYNTAX INTEGER (01..255)
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains indicates the value of the Regulatory Class field in a
        channel set for this Peer-to-Peer Link event 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."
    ::= { dot11WirelessMGTEventEntry 21 23 }


dot11WirelessMGTEventPeerChannelNumber OBJECT-TYPE
        SYNTAX INTEGER (01..255)
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains indicates the value of the Channel Number field in a
        current operating channel for this Peer-to-Peer Link event Event report. The Channel
        Number is only defined within the indicated Regulatory Class as shown in Annex J."
    ::= { dot11WirelessMGTEventEntry 22 24 }


dot11WirelessMGTEventPeerSTATxPower OBJECT-TYPE
        SYNTAX INTEGER (-128..127)
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains indicates the value of 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 Peertolerance of +/-to-Peer Link event report. This is a signed
        integer, one octet in length, in dBm5dB for the lowest basic rate of the reporting
        STA. A value of -128 indicates that the value is unknown."
    ::= { dot11WirelessMGTEventEntry 23 25 }


dot11WirelessMGTEventPeerConnectionTime OBJECT-TYPE
        SYNTAX INTEGER (0..65535)
         UNITS “seconds”
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the value of the Connection Time field in a Peer-to-
        Peer Link event report."
            "This attribute indicates a value representing the connection time for the
        reported Peer-to-Peer event. If the Peer Status is 0, this field indicates the
        duration of the Direct Link. If the Peer Status is 1, this field indicates the time
        difference from the time the Direct Link was established to the time at which the
        reporting STA generated the event report. If the Peer Status is 2, this field
        indicates the duration of the IBSS membership. If the Peer Status is 3, this field
        indicates the time difference from the time the STA joined the IBSS to the time at
        which the reporting STA generated the event report. See 11.20.2.4."
    ::= { dot11WirelessMGTEventEntry 24 26 }


dot11WirelessMGTEventWNMLog OBJECT-TYPE
        SYNTAX DisplayString
        SYNTAX OCTET STRING (SIZE(0..2284))
        MAX-ACCESS read-onlycreate
        STATUS current
        DESCRIPTION
            "This attribute contains the value of the WNM Log Msg field in a WNM Log event
        report."
        DESCRIPTION
                "This attribute contains the entire syslog message, consisting of the PRI,
                HEADER, and MSG portion of a WNM Log message as described in IETF RFC 3164-
                2001. The TAG field of the MSG portion of the message is a 17 octet string
                containing the ASCII representation of the STA MAC address using hexadeci-
                mal notation with colons between octets. The octet containing the individ-
                ual/group bit occurs last,   and that bit is in the least significant
                position within that octet. See 11.22.2.5."
        DEFVAL { ''H }
    ::= { dot11WirelessMGTEventEntry 25 27 }
```

```
 -- ********************************************************************
 -- * End of dot11WirelessMGTEvent TABLE
 -- ********************************************************************
```

Change the dot11Compliance MODULE-COMPLIANCE of the Compliance Statements as follows:

```
dot11Compliance MODULE-COMPLIANCE
          STATUS current
          DESCRIPTION
          "The compliance statement for SNMPv2 entities that implement The IEEE 802.11
      MIB."
          MODULE -- this module
          MANDATORY-GROUPS {
          dot11SMTbase~~10~~11, dot11MACbase2, dot11CountersGroup2,
          dot11SmtAuthenticationAlgorithms, dot11ResourceTypeID,
          dot11PhyOperationComplianceGroup }
```

Change the "OPTIONAL-GROUPS" of the "Compliance Statements" as follows:

```
-- OPTIONAL-GROUPS { dot11SMTprivacy, dot11MACStatistics,
-- dot11PhyAntennaComplianceGroup, dot11PhyTxPowerComplianceGroup,
-- dot11PhyRegDomainsSupportGroup,
-- dot11PhyAntennasListGroup, dot11PhyRateGroup,
-- dot11SMTbase3, dot11MultiDomainCapabilityGroup,
-- dot11PhyFHSSComplianceGroup2, dot11RSNAadditions,
-- dot11RegulatoryClassesGroup, dot11Qosadditions,
-- dot11RRMCompliance,dot11FTComplianceGroup,
-- dot11PhyAntennaComplianceGroup2,
-- dot11HTMACadditions,
-- dot11PhyMCSGroup,
-- dot11TransmitBeamformingGroup,
-- dot11WNMCompliance}
--
::= { dot11Compliances 1 }
```

Change the "dot11SMTbase10" of the "Groups - units of conformance" as follows:

```
dot11SMTbase10 OBJECT-GROUP
          OBJECTS { dot11MediumOccupancyLimit,
                    dot11CFPollable,
                    dot11CFPPeriod,
                    dot11CFPMaxDuration,
                    dot11AuthenticationResponseTimeOut,
                    dot11PrivacyOptionImplemented,
                    dot11PowerManagementMode,
                    dot11DesiredSSID, dot11DesiredBSSType,
                    dot11OperationalRateSet,
                    dot11BeaconPeriod, dot11DTIMPeriod,
                    dot11AssociationResponseTimeOut,
                    dot11DisassociateReason,
                    dot11DisassociateStation,
                    dot11DeauthenticateReason,
                    dot11DeauthenticateStation,
                    dot11AuthenticateFailStatus,
                    dot11AuthenticateFailStation,
                    dot11MultiDomainCapabilityImplemented,
                    dot11MultiDomainCapabilityEnabled,
                    dot11CountryString,
                    dot11SpectrumManagementImplemented,
                    dot11SpectrumManagementRequired,
                    dot11RSNAOptionImplemented,
                    dot11RegulatoryClassesImplemented,
                    dot11RegulatoryClassesRequired,
                    dot11QosOptionImplemented,
                    dot11ImmediateBlockAckOptionImplemented,
                    dot11DelayedBlockAckOptionImplemented,
                    dot11DirectOptionImplemented,
                    dot11APSDOptionImplemented,
                    dot11QAckOptionImplemented,
                    dot11QBSSLoadOptionImplemented,
                    dot11QueueRequestOptionImplemented,
                    dot11TXOPRequestOptionImplemented,
                    dot11MoreDataAckOptionImplemented,
```

```
                    dot11AssociateinNQBSS,
                    dot11DLSAllowedinQBSS,
                    dot11DLSAllowed,
                    dot11SMTRRMRequest,
                    dot11SMTRRMReport,
                    dot11SMTRRMConfig,
                    dot11AssociateStation,
                    dot11AssociateID,
                    dot11AssociateFailStation,
                    dot11AssociateFailStatus,
                    dot11ReassociateStation,
                    dot11ReassociateID,
                    dot11ReassociateFailStation,
                    dot11ReassociateFailStatus,
                    dot11RadioMeasurementCapable,
                    dot11RadioMeasurementEnabled,
                    dot11RRMMeasurementProbeDelay,
                    dot11RRMMeasurementPilotPeriod,
                    dot11RRMLinkMeasurementEnabled,
                    dot11RRMNeighborReportEnabled,
                    dot11RRMParallelMeasurementsEnabled,
                    dot11RRMRepeatedMeasurementsEnabled,
                    dot11RRMBeaconPassiveMeasurementEnabled,
                    dot11RRMBeaconActiveMeasurementEnabled,
                    dot11RRMBeaconTableMeasurementEnabled,
                    dot11RRMBeaconMeasurementReportingConditionsEnabled,
                    dot11RRMFrameMeasurementEnabled,
                    dot11RRMChannelLoadMeasurementEnabled,
                    dot11RRMNoiseHistogramMeasurementEnabled,
                    dot11RRMStatisticsMeasaurementEnabled,
                    dot11RRMLCIMeasurementEnabled,
                    dot11RRMLCIAzimuthEnabled,
                    dot11RRMTransmitStreamCategoryMeasurementEnabled,
                    dot11RRMTriggeredTransmitStreamCategoryMeasurementEnabled,
                    dot11RRMAPChannelReportEnabled,
                    dot11RRMMIBEnabled,
                    dot11RRMMaxMeasurementDuration,
                    dot11RRMNonOperatingChannelMaxMeasurementDuration,
                    dot11RRMMeasurementPilotTransmissionInformationEnabled,
                    dot11RRMMeasurementPilotCapability,
                    dot11RRMNeighborReportTSFOffsetEnabled,
                    dot11RRMRCPIMeasurementEnabled,
                    dot11RRMRSNIMeasurementEnabled,
                    dot11RRMBSSAverageAccessDelayEnabled,
                    dot11RRMBSSAvailableAdmissionCapacityEnabled,
                    dot11RRMAntennaInformationEnabled,
                    dot11FastBSSTransitionImplemented,
                    dot11LCIDSEImplemented,
                    dot11LCIDSERequired,
                    dot11DSERequired,
                    dot11ExtendedChannelSwitchEnabled,
                    dot11HighThroughputOptionImplemented }
            STATUS ~~current~~deprecated
            DESCRIPTION
            "The SMTbase8 object class provides the necessary support at the STA to manage
        the processes in the STA so that the STA may work cooperatively as a part of an IEEE
        802.11 network, when the STA is capable of multidomain operation. This object group
        should be implemented when the multidomain capability option is implemented."
::= { dot11Groups 51 }
```

Insert at the end of the "Groups - units of conformance" as follows:

```
-- ****************************************************************
-- * Compliance Statements - WNM
-- ****************************************************************
dot11WNMCompliance MODULE-COMPLIANCE
          OBJECTS {dot11WirelessNetworkManagementImplemented  }
          STATUS current
          DESCRIPTION
          " This object class provides the objects from the IEEE 802.11 MIB required to
        manage Wireless
          Network Management functionality. Note that additional objects for managing this
        functionality
           are located in the IEEE 802.11 WNM MIB."
          ::= { dot11Groups 52}

dot11SMTbase11 OBJECT-GROUP
          OBJECTS { dot11MediumOccupancyLimit,
                    dot11CFPollable,
```

```
                    dot11CFPPeriod,
                    dot11CFPMaxDuration,
                    dot11AuthenticationResponseTimeOut,
                    dot11PrivacyOptionImplemented,
                    dot11PowerManagementMode,
                    dot11DesiredSSID, dot11DesiredBSSType,
                    dot11OperationalRateSet,
                    dot11BeaconPeriod, dot11DTIMPeriod,
                    dot11AssociationResponseTimeOut,
                    dot11DisassociateReason,
                    dot11DisassociateStation,
                    dot11DeauthenticateReason,
                    dot11DeauthenticateStation,
                    dot11AuthenticateFailStatus,
                    dot11AuthenticateFailStation,
                    dot11MultiDomainCapabilityImplemented,
                    dot11MultiDomainCapabilityEnabled,
                    dot11CountryString,
                    dot11SpectrumManagementImplemented,
                    dot11SpectrumManagementRequired,
                    dot11RSNAOptionImplemented,
                    dot11RegulatoryClassesImplemented,
                    dot11RegulatoryClassesRequired,
                    dot11QosOptionImplemented,
                    dot11ImmediateBlockAckOptionImplemented,
                    dot11DelayedBlockAckOptionImplemented,
                    dot11DirectOptionImplemented,
                    dot11APSDOptionImplemented,
                    dot11QAckOptionImplemented,
                    dot11QBSSLoadOptionImplemented,
                    dot11QueueRequestOptionImplemented,
                    dot11TXOPRequestOptionImplemented,
                    dot11MoreDataAckOptionImplemented,
                    dot11AssociateinNQBSS,
                    dot11DLSAllowedinQBSS,
                    dot11DLSAllowed,
                    dot11SMTRRMRequest,
                    dot11SMTRRMReport,
                    dot11SMTRRMConfig,
                    dot11AssociateStation,
                    dot11AssociateID,
                    dot11AssociateFailStation,
                    dot11AssociateFailStatus,
                    dot11ReassociateStation,
                    dot11ReassociateID,
                    dot11ReassociateFailStation,
                    dot11ReassociateFailStatus,
                    dot11RadioMeasurementCapable,
                    dot11RadioMeasurementEnabled,
                    dot11RRMMeasurementProbeDelay,
                    dot11RRMMeasurementPilotPeriod,
                    dot11RRMLinkMeasurementEnabled,
                    dot11RRMNeighborReportEnabled,
                    dot11RRMParallelMeasurementsEnabled,
                    dot11RRMRepeatedMeasurementsEnabled,
                    dot11RRMBeaconPassiveMeasurementEnabled,
                    dot11RRMBeaconActiveMeasurementEnabled,
                    dot11RRMBeaconTableMeasurementEnabled,
                    dot11RRMBeaconMeasurementReportingConditionsEnabled,
                    dot11RRMFrameMeasurementEnabled,
                    dot11RRMChannelLoadMeasurementEnabled,
                    dot11RRMNoiseHistogramMeasurementEnabled,
                    dot11RRMStatisticsMeasaurementEnabled,
                    dot11RRMLCIMeasurementEnabled,
                    dot11RRMLCIAzimuthEnabled,
                    dot11RRMTransmitStreamCategoryMeasurementEnabled,
                    dot11RRMTriggeredTransmitStreamCategoryMeasurementEnabled,
                    dot11RRMAPChannelReportEnabled,
                    dot11RRMMIBEnabled,
                    dot11RRMMaxMeasurementDuration,
                    dot11RRMNonOperatingChannelMaxMeasurementDuration,
                    dot11RRMMeasurementPilotTransmissionInformationEnabled,
                    dot11RRMMeasurementPilotCapability,
                    dot11RRMNeighborReportTSFOffsetEnabled,
                    dot11RRMRCPIMeasurementEnabled,
                    dot11RRMRSNIMeasurementEnabled,
                    dot11RRMBSSAverageAccessDelayEnabled,
                    dot11RRMBSSAvailableAdmissionCapacityEnabled,
                    dot11FastBSSTransitionImplemented,
                    dot11LCIDSEImplemented,
```

```
                    dot11LCIDSERequired,
                    dot11DSERequired,
                    dot11ExtendedChannelSwitchEnabled,
                    dot11HighThroughputOptionImplemented,
                    dot11WirelessNetworkManagementImplemented}
            STATUS current
            DESCRIPTION
            "The SMTbase11 object class provides the necessary support at the STA to manage
        the processes in the STA so that the STA may work cooperatively as a part of an IEEE
        802.11 network, when the STA is capable of multidomain operation. This object group
        should be implemented when the multidomain capability option is implemented."
::= { dot11Groups 53 }
```

Annex Q

(normative)

Modify Annex Q as shown:

ASN.1 encoding of the RRM and WNM MIB

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

```
-- *
-- *
-- *          MIB.Set                                        MIB.Set
-- *            or                                             or
-- *          MIB.Get                                        MIB.Get
-- *     +--------|---------+                            +--------|---------+
-- *     | SME    |         |                            | SME    |         |
-- *     |       \ /        |                            |       \ /        |
-- *     |   +---------+    |                            |   +---------+    |
-- *     |   | RRM and |    |____________________________|   | RRM and |    |
-- *     |   | WNM MIB |    |____________________________|   | WNM MIB |    |
-- *     |   |         |    |                            |   |         |    |
-- *     |   +---------+    |                            |   +---------+    |
-- *     |                  |                            |                  |
-- *     |   / \            |                            |   / \            |
-- *     |    |   MREQUEST  |                            |    |   MREQUEST  |
-- *     +----+-------------+                            +----+-------------+
-- *     |     |   MREPORT   |                            |     |   MREPORT   |
-- *     |   \ /  MEASURE    |     Action Frames          |   \ /  MEASURE    |
-- *     |                   | <--Measurement Request--> |                   |
-- *     |                   | <--Measurement Report---> |                   |
-- *     | MLME              |                            | MLME              |
-- *     +-------------------+                            +-------------------+
-- *         STA x                                  STA y
-- *
-- *
-- * Each STA maintains a single 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
-- * dot11RRMRqstToken value into multiple dot11RRMRequestEntrys.
-- *
-- * Each row, dot11RRMRequestEntry, of the dot11RRMRequestTable
-- * provides read-create access for the initiation of a measurement
-- * request. The dot11RRMRequestNextIndex 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 dot11RRMRequestEntry(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 WNM
-- * Request and Reports.  The WNM MIB defintions follow the RRM MIB definitions
-- * in this Annex.
```

Insert the follow text as the end of Annex Q:

```
-- ************************************************************************
-- * Wireless Network Management (WNM)
-- ************************************************************************

dot11WirelessNetworkManagment OBJECT IDENTIFIER ::= { dot11smt 15 }
```

```
-- ********************************************************************
-- * Wireless Network Management Requests
-- ********************************************************************

dot11WNMRequest OBJECT IDENTIFIER ::= { dot11WirelessNetworkManagement 1 }

-- ********************************************************************
-- * dot11WNMRequest TABLE
-- ********************************************************************
dot11WNMRequestNextIndex OBJECT-TYPE
        SYNTAX Unsigned32(0..65535)
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
                "Identifies a hint for the next value of dot11WNMRqstIndex to be used in a
                row creation attempt for dot11WNMRequestTable. If no new rows can be cre-
                ated for some reason, such as memory, processing requirements, etc, the SME
                shall set this attribute to 0. It shall update this attribute to a proper
                value other than 0 as soon as it is capable of receiving new measurement
                requests. The nextIndex is not necessarily sequential nor monotonically
                increasing."
        ::= { dot11WNMRequest 1 }

dot11WNMRequestTable OBJECT-TYPE
        SYNTAX SEQUENCE OF Dot11WNMRequestEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "This group contains the current list of requests for WNM reports to be
                issued and have been issued until removed. A network manager adds a WNM
                request by creating a row with createAndWait row status and then filling in
                the request parameters/attributes. The request becomes active to be issued
                when the row status is set to Active. The columnar objects or attributes
                other than the rowStatus shall not be written if the rowStatus is Active.
                The request rows can be deleted, if commanded by a network manager via
                changing the value of dot11WNMRqstRowStatus to Destroy. This may leave
                orphaned rows if a manager crashes and forgets which rows are being used by
                it. One recommended way to manage orphaned or finished rows is to delete
                rows if their dot11WNMRqstRowStatus remains other than Active for longer
                than a period (recommend at least 5 minutes, RFC 2579). Or another recom-
                mended way is to delete older rows as needed based on their
                dot11WNMRqstTimeStamp values. This can be done by the agent as well as the
                manager. "
        ::= { dot11WNMRequest 2 }

dot11WNMRequestEntry OBJECT-TYPE
        SYNTAX Dot11WNMRequestEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "An entry in the dot11WNMRequestTable Indexed by dot11WNMRqstIndex."
                INDEX { dot11WNMRqstIndex }
        ::= { dot11WNMRequestTable 1 }

Dot11WNMRequestEntry ::=
        SEQUENCE {
                dot11WNMRqstIndex                                       Unsigned32,
                dot11WNMRqstRowStatus                                   RowStatus,
                dot11WNMRqstToken                                       OCTET STRING,
                dot11WNMRqstIfIndex                                     InterfaceIndex,
                dot11WNMRqstType                                        INTEGER,
                dot11WNMRqstTargetAdd                                   MacAddress,
                dot11RRMRqstTimeStampdot11WNMRqstTimeStamp              TimeTicks,
                dot11WNMRqstRndInterval                                 Unsigned32,
                dot11WNMRqstDuration                                    Unsigned32,
                dot11WNMRqstMcstGroup                                   MacAddress,
                dot11WNMRqstMcstTrigCon                                 OCTET STRING,
                dot11WNMRqstMcstRprtTimeoutdot11WNMRqstMcstTrigInactivityTimeoutINTEGER,
                dot11WNMRqstMcstTrigTimeoutdot11WNMRqstMcstTrigReactDelayINTEGER,
                dot11WNMRqstLCRRqstSubject                              INTEGER,
                dot11WNMRqstLCRIntervalUnits                            INTEGER,
```

```
                dot11WNMRqstLCRServiceInterval                  INTEGER,
                dot11WNMRqstLIRRqstSubject                      INTEGER,
                dot11WNMRqstLIRIntervalUnits                    INTEGER,
                dot11WNMRqstLIRServiceInterval                  INTEGER,
                dot11WNMRqstEventToken                          INTEGER,
                dot11WNMRqstEventType                           INTEGER,
                dot11WNMRqstEventResponseLimit                  INTEGER,
                dot11WNMRqstEventTargetBssid                    MacAddress,
                dot11WNMRqstEventSourceBssid                    MacAddress,
                dot11WNMRqstEventTransitTimeThresh              INTEGER,
                dot11WNMRqstEventTransitMatchValue              OCTET STRING,
                dot11WNMRqstEventFreqTransitCountThresh         INTEGER,
                dot11WNMRqstEventFreqTransitInterval            INTEGER,
                dot11WNMRqstEventRsnaAuthType                   OCTET STRING,
                dot11WNMRqstEapType                             INTEGER,
                dot11WNMRqstEapVendorId                         OCTET STRING,
                dot11WNMRqstEapVendorType                       OCTET STRING,
                dot11WNMRqstEventRsnaMatchValue                 OCTET STRING,
                dot11WNMRqstEventPeerMacAddress                 MacAddress,
                dot11WNMRqstChanNumber                          INTEGER,
                dot11WNMRqstRegulatoryClass                     INTEGER,
                dot11WNMRqstChanNumber                          INTEGER,
                dot11WNMRqstDiagToken                           INTEGER,
                dot11WNMRqstDiagType                            INTEGER,
                dot11WNMRqstDiagTimeout                         INTEGER,
                dot11WNMRqstDiagBssid                           MacAddress,
                dot11WNMRqstDiagProfileId                       INTEGER,
                dot11WNMRqstDiag8021xCredentialsdot11WNMRqstDiagCredentialsINTEGER,
                dot11WNMRqstLCILocIndParamsdot11WNMRqstLocConfigLocIndParamsOCTET STRING,
                dot11WNMRqstLCIChanListdot11WNMRqstLocConfigChanList OCTET STRING,
                dot11WNMRqstLCIBcastRatedot11WNMRqstLocConfigBcastRateINTEGER,
                dot11WNMRqstBssTransitQueryReason               INTEGER,
                dot11WNMRqstBssTransitReqMode                   OCTET STRING,
                dot11WNMRqstBssTransitDisocTimer                INTEGER,
                dot11WNMRqstBssTransitCandidateListdot11WNMRqstBssTransitSessInfoURLOCTET
                STRING,
                dot11WNMRqstBssTransitValidIterval              INTEGER,
                dot11WNMRqstBssTransitCandidateList             OCTET STRING,
                dot11WNMRqstColocInterfAutoEnable               TruthValue,
                dot11WNMRqstColocInterfRptTimeout               INTEGER,
                dot11WNMRqstVendorSpecific                      OCTET STRING }

dot11WNMRqstIndex OBJECT-TYPE
        SYNTAX Unsigned32
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "Index for WNM Request elements in dot11WNMRequestTable, greater than 0."
        ::= { dot11WNMRequestEntry 1 }

dot11WNMRqstRowStatus OBJECT-TYPE
        SYNTAX RowStatus
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "The Row Status column of the current row, used for tracking status of an
                individual request. When this attribute is set to Active, AND a measure-
                ment request can be unambiguously created based on the parameters in the
                row, then the MLME may proceed to issue the request to its intended tar-
                gets when appropriate. If not, this attribute may be set to Not-ready imme-
                diately to indicate parametric errors. However, it is the network managers
                responsibility to correct the error. If the request is successfully issued
                to the target STA, then the rowStatus is set to notInService."
        REFERENCE
                "Clause 7.3.2.21"
        ::= { 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),
                dignostic(4)
                LocationConfiguration(5)
                bssTransitionQuery(6)
                bssTransitionRqst(7)
                fms(8)
                ColocInterference(9)
                }
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the request type of this WNM request row."
        ::= { dot11WNMRequestEntry 5 }

dot11WNMRqstTargetAdd OBJECT-TYPE
        SYNTAX MacAddress
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "The MAC address of STA for this row of ~~RRM~~ WNM Request is to be issued to.
                If
                this attribute matches the MAC address of the
                ~~dot11RRMRqstIfIndex~~dot11WNMRqstIfIndex, then measurement request is for
                this STA itself to carry out."
        ::= { ~~dot11RRMRequestEntry~~ dot11WNMRequestEntry 6 }

~~dot11RRMRqstTimeStamp~~ dot11WNMRqstTimeStamp OBJECT-TYPE
        SYNTAX TimeTicks
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
                "This attribute indicates the SysUpTime Value the last time when the
                ~~dot11RRMRqstRowStatus~~ dot11WNMRqstRowStatus is set to active or when this
                row is created the first time. This attribute shall be set by this STA or
                AP automatically, not by an SNMP manager."
        ::= { dot11WNMRequestEntry 7 }

dot11WNMRqstRndInterval OBJECT-TYPE
        SYNTAX Unsigned32
        UNITS "TUs"
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This 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 wild-
                card BSSID when the measurement is to be performed on any muliticast group
                on the operating channel. This attribute is only valid if the
                dot11WNMRqstType is 10, indicating a maulticast diagnostic request, and is
                ignored otherwise."
        DEFVAL { 'FFFFFFFFFFFF'H }
        ::= { 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 Diag-
                nositic request."
        ::= { dot11WNMRequestEntry 11 }

~~dot11WNMRqstMcstRprtTimeout~~ dot11WNMRqstMcstTrigInactivityTimeout OBJECT-TYPE
        SYNTAX INTEGER (1..255)
        UNITS "100 TUs"
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates ~~a~~ the time interval value in units of 100 TU to
                be ~~used~~ use as the threshold value for ~~the Report~~Trigger Inactivity Timeout
                trigger condition."
        ::= { dot11WNMRequestEntry 12 }

~~dot11WNMRqstMcstTrigTimeout~~ dot11WNMRqstMcstTrigReactDelay 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 dur-
                ing which a measuring STA does not generate further Multicast Triggered
                Reports after a trigger condition has been met."
        ::= { dot11WNMRequestEntry 13 }

dot11WNMRqstLCRRqstSubject OBJECT-TYPE
        SYNTAX INTEGER {
                local(0),
                remote(1)
                }
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "The attribute indicates the subject of the ~~LCR request~~Location Civic
                Request."
                DEFVAL { 0 }
        ::= { dot11WNMRequestEntry 14 }

dot11WNMRqstLCRIntervalUnits OBJECT-TYPE
        SYNTAX INTEGER {
                seconds(0),
                minutes(1),
                hours(2),
```

```
                }
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the units used in the ~~LCR~~ Location Civic Request
                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 }


dot11WNMRqstLIRRqstSubject OBJECT-TYPE
        SYNTAX INTEGER {
                local(0),
                remote(1)
                }
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "The attribute indicates the subject of the ~~LIR request~~Location Identifier
                Request."
                DEFVAL { 0 }
        ::= { dot11WNMRequestEntry 17 }

dot11WNMRqstLIRIntervalUnits OBJECT-TYPE
        SYNTAX INTEGER {
                seconds(0),
                minutes(1),
                hours(2),
                }
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the units used in the ~~LIR~~ Location Identifier
                Request 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."~~
                "This attribute indicates the time interval, expressed in the units indi-
                cated in the Location Service Interval Units field, at which the STA
                requests to receive Location Identifier Reports. A Location Service Inter-
                val of 0 indicates that only a single Location Identifier Report is
                requested."
        ::= { 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),
                WNMLog(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."
                "This attribute indicates the maximum number of requested Event Reports to
                be included in the Event Report element. A value of 0 indicates that no
                limit is set on the number of Event Reports to be included in the Event
                Report element."
        ::= { dot11WNMRequestEntry 22 }

dot11WNMRqstEventTargetBssid OBJECT-TYPE
        SYNTAX MacAddress
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This 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 transi-
                tions 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 transi-
                tions 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 11.2022.32.2"
        ::= { 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 ~~mathing~~ matching transitions to determine if the Fre-
                quent Transition Count Threshold is exceeded in order to generate a Transi-
                tion 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."~~
                "This attribute is used to request that an RSNA Event Report include the
                event entry when its RSNA Authentication Type matches the indicated RSNA
                authentication type value."
        ::= { dot11WNMRequestEntry 29 }

dot11WNMRqstEapType OBJECT-TYPE
        SYNTAX 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."~~
                "This attribute is used to request that an RSNA Event Report include the
                event entry when its EAP Type matches the indicated EAP type value. Valid
                EAP Type numbers are assigned by IANA and are defined at http://
                www.iana.org/assignments/eap-numbers."
        ::= { dot11WNMRequestEntry 30 }

dot11WNMRqstEapVendorId OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE(0..3))
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute ~~indicates a value~~ is used to request that ~~identifies~~ an
                RSNA Event Report include the event entry when its EAP ~~Vendor~~Vendor ID
                matches the indicated vendor ID value. The EAP Vendor ID field is included
                when the EAP Type field is set to 254, and is excluded otherwise."
        ::= { dot11WNMRequestEntry 31 }

dot11WNMRqstEapVendorType OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE(0..4))
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute ~~indicates value~~ is used to request that ~~identifies~~ an RSNA
                Event Report include the event entry when its EAP Vendor Type ~~as defined by~~
                matches the ~~vendor~~indicated EAP vendor type value. The EAP Vendor ~~Type~~ ID
                field is included when the EAP Type field is set to 254, and is excluded
                otherwise."
        ::= { dot11WNMRequestEntry 32 }

dot11WNMRqstEventRsnaMatchValue OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE(1))
        MAX-ACCESS read-create
```

```
        STATUS current
        DESCRIPTION
                "This 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 requestas shown in Annex J."
        ::= { 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 configura-
                tion 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 configu-
                ration profile on the device sending the identifier."
        ::= { dot11WNMRequestEntry 41 }

dot11WNMRqstDiag8021xCredentials dot11WNMRqstDiagCredentials OBJECT-TYPE
        SYNTAX INTEGER {
                none(0),
                pre-sharedKey(1),
                usernamePassword(32),
                otherCertificatex509Certificate(43),
                oneTimePasswordotherCertificate(54),
                tokenoneTimePassword(65),
                certificateUsernamePasswwordtoken(76),
                certificateToken(8),
                }
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the type of credential used for the 8021x authen-
                tication."
        ::= { dot11WNMRequestEntry 42 }

dot11WNMRqstLCILocIndParams dot11WNMRqstLocConfigLocIndParams OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE(1716))
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates STA Location reporting characteristics. The for-
                mat of these Location Indication Parameters are detailed in 7.3.2.6670.2"
        ::= { dot11WNMRequestEntry 43 }

dot11WNMRqstLCIChanList dot11WNMRqstLocConfigChanList OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE(0..255252))
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute lists location reporting channel information for this LCI
                Location Configuration request. Zero length is the null default for this
                attribute. Each pair of octets indicates a different regulatory class and
                channel nu,mber for this request. The detailed format for this list of
                channels ls described in 7.3.2.6670.3"
        DEFVAL { ''H }
        ::= { dot11WNMRequestEntry 44 }

dot11WNMRqstLCIBcastRate dot11WNMRqstLocConfigBcastRate 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."~~
                "This attribute indicates the target data rate, in 0.5Mb/s units, at which the STA transmits Location Track Notification frames. A value of 0 indicates the STA transmits Location Track Notification frames at a rate chosen by the STA transmitting the Location Track Notification frames."
        ::= { dot11WNMRequestEntry 45 }

dot11WNMRqstBssTransitQueryReason OBJECT-TYPE
        SYNTAX INTEGER {
                unspecified(0),
                ~~unspecified~~excessiveFrameLossRatesPoorConditions(~~0~~1),
                ~~excessiveFrameLossRatesPoorConditions~~excessiveDelayForCurrent-
                TrafficStreams(~~1~~2),
                ~~excessiveDelayForCurrentTrafficStreams~~insufficientQosCapaci-
                tyForCurrentTrafficStreams(~~2~~3),
                ~~insufficientQosCapacityForCurrentTrafficStreams~~firstAssociationToEss(~~3~~4),
                ~~firstAssociationToEss~~loadBalancing(~~4~~5),
                ~~loadBalancing~~betterApFound(~~5~~6),
                ~~betteApFound~~deauthenticatedDisassociatedFromPreviousAp(~~6~~7),
                ~~deauthenticatedDisassociatedFromPreviousAp~~apFailedIeee8021XEapAuthenticatio
                n(~~7~~8),
                ~~certificateToken~~apFailed4wayHandshake(~~8~~9),
                ~~apFailedIeee8021XEapAuthentication~~receivedTooManyReplayCounterFailures(~~9~~10)
                ~~,~~
                ~~apFailed4wayHandshake~~receivedTooManyDataMICFailures(~~10~~11),
                ~~excessiveDataMICFailures~~exceededMaxNumberOfRetransmissions(~~11~~12),
                ~~exceededFrameTransmissionRetryLimit~~receivedTooManyBroadcast-
                Disassociations(~~12~~13),
                ~~ecessiveBroadcastDisassociations~~receivedTooManyBroadcastDeau-
                thentications(~~13~~14),
                ~~excessiveBroadcastDeauthentications~~previousTransitionFailed(~~14~~15),
                ~~previousTransition Failed~~lowRSSI(~~15~~16)~~,~~
                }
        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 indicates the Prferred Candidate list is included in this frame.  b1 indicates sn sbridged format for all BSSIDs not listed in this frame. b2 indicates that the STA will be dissassociated for the current ~~A~~AP. b3 indicates the BSS is shutting down and that the STA will be disassociated. b4 inidcates that the will be disassociated from thte ESS. The format for this field is detailed in 7.4.~~11~~12.~~8~~9."
        ::= { dot11WNMRequestEntry 47 }

dot11WNMRqstBssTransitDisocTimer OBJECT-TYPE
        SYNTAX INTEGER (~~1~~0..~~255~~65535)
        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. Value zero indicates unknown. If the Disassociation Imminent bit of the Request Mode field is set to 0, this field is ignored."
        ::= { dot11WNMRequestEntry 48 }

~~dot11WNMRqstBssTransitValidityInterval~~ dot11WNMRqstBssTransitSessInfoURL OBJECT-TYPE
        ~~SYNTAX INTEGER (1..255)~~
        ~~UNITS "TBTTs"~~
        SYNTAX OCTET STRING
```

```
        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."
        DESCRIPTION
                "This attribute contains a variable-length field formatted in accordance
                with IETF RFC 3986-2005."
        ::= { 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 Collocated Interference Response frames automati-
                cally periodically with the Report Period interval, as defined in
                7.4.1112.13, or when the STA detects a change in the collocated interfer-
                ence."
        ::= { 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 Col-
                located Interference Response frames from the reporting STA."
        ::= { dot11WNMRequestEntry 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 }
        ::= { dot11WNMRequestEntry 53}

-- ************************************************************************
-- * End of dot11WNMRequest TABLE
-- ************************************************************************

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

dot11WNMReport OBJECT IDENTIFIER ::= { dot11WirelessNetworkManagement 2 }

-- ************************************************************************
-- * dot11WNMVendorSpecificReport TABLE
-- ************************************************************************
        dot11WNMVendorSpecificReportTable OBJECT-TYPE
        SYNTAX SEQUENCE OF Dot11WNMVendorSpecificReportEntry
```

```
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "Group contains the current list of Vendor Specific reports that have been
                received by the MLME. The report tables shall be maintained as FIFO to 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 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 subele-
                ments which may be included in a WNM Vendor Specific request element. Zero
                length is the null default for this attribute."
        DEFVAL { ''H }
        ::= { dot11WNMVendorSpecificReportEntry 4 }

-- ************************************************************
-- * End of dot11WNMVendorSpecificReport TABLE
```

```
-- ********************************************************************

-- ********************************************************************
-- * dot11WNMMulticastDiagnosticReport TABLE
-- ********************************************************************
        dot11WNMMulticastDiagnosticReportTable OBJECT-TYPE
        SYNTAX SEQUENCE OF Dot11WNMMulticastDiagnosticReportEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "Group contains the current list of Multicast Diagnostic reports that have
                been received by the MLME. The report tables shall be maintained as FIFO to
                preserve freshness, thus the rows in this table can be deleted for memory
                constraints or other implementation constraints determined by the vendor.
                New rows shall have different RprtIndex values than those deleted within
                the range limitation of the index. One easy way is to monotonically
                increase RprtIndex for new reports being written in the table."
        ::= { dot11WNMReport 2 }

dot11WNMMulticastDiagnosticReportEntry OBJECT-TYPE
        SYNTAX Dot11WNMMulticastDiagnosticReportEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "An entry in the dot11WNMMulticastDiagnosticReportTable Indexed by
                dot11WNMMulticastDiagnosticRprtIndex."
        INDEX { dot11WNMMulticastDiagnosticRprtIndex }
        ::= { dot11WNMMulticastDiagnosticReportTable 1 }

Dot11WNMMulticastDiagnosticReportEntry ::=
        SEQUENCE {
                dot11WNMMulticastDiagnosticRprtIndex                Unsigned32,
                dot11WNMMulticastDiagnosticRprtRqstToken            OCTET STRING,
                dot11WNMMulticastDiagnosticRprtIfIndex              InterfaceIndex,
                dot11WNMMulticastDiagnosticRprtMeasurementTime      TSFType,
                dot11WNMMulticastDiagnosticRprtDuration             Unsigned32,
                dot11WNMMulticastDiagnosticRprtMcstGroup            MacAddress,
                dot11WNMMulticastDiagnosticRprtReason               OCTET STRING,
                dot11WNMMulticastDiagnosticRprtRcvdMsduCount        Unsigned32,
                dot11WNMMulticastDiagnosticRprtFirstSeqNumber       INTEGER,
                dot11WNMMulticastDiagnosticRprtLastSeqNumber        INTEGER,
                dot11WNMMulticastDiagnosticRprtMcstRate             INTEGER }

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."
                "This attribute indicates the value of the STA TSF timer at the time the
                measurement started. For a triggered Multicast Diagnostics report, this is
                the TSF value at the reporting STA when the trigger condition was met. When
                the reason for sending the report is Performance Measurement and the Multi-
                cast Received MSDU Count is nonzero, the Measurement Time field is set to
                the value of the STA TSF timer at the time of the first multicast MSDU
                received during the measurement interval."
        ::= { dot11WNMMulticastDiagnosticReportEntry 4 }

dot11WNMMulticastDiagnosticRprtDuration OBJECT-TYPE
        SYNTAX Unsigned32
        UNITS "TUs"
        MAX-ACCESS read-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 Pauseperiod over which the Multicast Diagnostic Report was gen-
                erated, expressed in units of TUs."
        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 Inactiity Timeout Trigger.
                b1 indicates the measurement result from the Performance Measurementcom-
                pleted 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 MSDUs received between the acceptance of the multi-
                cast diagnostics measurement request and the occurrence of the trigger con-
                dition for MSDUs 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. When the LSB of the first octet of the Multicast MAC
```

```
                address field in the multicast diagnostic request is set to 1, the twelve
                LSBs of the First Sequence Number field contain the IEEE 802.11 sequence
                number of the first frame received with destination address equal to the
                value in the Multicast MAC address field during the measurement period.
                When the LSB of the first octet of the Multicast MAC address field in the
                multicast diagnostic request is set to 0, the twelve LSBs of the First
                Sequence Number field contain the sequence number of the first group
                addressed frame, that does not have the broadcast MAC address as its desti-
                nation, received during the measurement period. The four most significant
                bits of the First Sequence Number field are set to zero. This field is
                used only set to 0 if the multicast reporting reason Multicast Received
                MSDU Count 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. When the LSB of the first octet of the Multicast MAC
                address field in the multicast diagnostic request is set to 1, the IEEE
                802.11 twelve LSBs of the Last Sequence Number field contain the sequence
                number of the last frame received with destination address equal to the
                value in the Multicast MAC address field during the measurement period.
                When the LSB of the first octet of the Multicast MAC address field in the
                multicast diagnostic request is 0, the twelve LSBs of the Last Sequence
                Number field contain the sequence number of the last group addressed frame,
                that does not have the broadcast MAC address as its destination, received
                during the measurement period. The four most significant bits of the Last
                Sequence Number field are set to zero. This field is used only set to 0 if
                the multicast reporting reason is performance measurement; otherwise, it
                Multicast Received MSDU Count 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 highest data rate, in 0.5 Mb/s units, at
                which the STA requests to receive has received a group addressed frames.
                frame with a valid FCS during the measurement period.The Multicast Rate
                field is encoded with the MSB set to 1 to indicate that the data rate is in
                the basic rate set, and set to 0 to indicate that the data rate is not in
                the basic rate set. The remaining 15 bit value is multiplied by 0.5 Mb/s to
                indicate the data rate. The Multicast Rate field is set to 0 by the STA to
                indicate that it has not received a group addressed frame with a valid FCS
                during the measurement period."
        ::= { dot11WNMMulticastDiagnosticReportEntry 11 }


-- ********************************************************************
-- * End of dot11WNMMulticastDiagnosticReport TABLE
-- ********************************************************************

-- ********************************************************************
-- * dot11WNMLocationCivicReport TABLE
-- ********************************************************************
        dot11WNMLocationCivicReportTable OBJECT-TYPE
        SYNTAX SEQUENCE OF Dot11WNMLocationCivicReportEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "Group contains the current list of Location Civic reports that have been
                received by the MLME. The report tables shall be maintained as FIFO to 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 3 }

dot11WNMLocationCivicRprtLocZAccuracy dot11WNMLocationCivicRprtCivicLocation 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 and contains a list of
                civic address elements in wich the TLV format of the data is as defined in
                IETF RFC 4776-2006."
        ::= { dot11WNMLocationCivicReportEntry 7 4}

-- ********************************************************************
-- * End of dot11WNMLocationCivicReport TABLE
-- ********************************************************************

-- ********************************************************************
-- * dot11WNMLocationIdentifierReport TABLE
-- ********************************************************************
        dot11WNMLocationIdentifierReportTable OBJECT-TYPE
        SYNTAX SEQUENCE OF Dot11WNMLocationIdentifierReportEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "Group contains the current list of Location Identifier reports that have
                been received by the MLME. The report tables shall be maintained as FIFO to
                preserve freshness, thus the rows in this table can be deleted for memory
                constraints or other implementation constraints determined by the vendor.
                New rows shall have different RprtIndex values than those deleted within
                the range limitation of the index. One easy way is to monotonically
                increase RprtIndex for new reports being written in the table."
        ::= { dot11WNMReport 4 }

dot11WNMLocationIdentifierReportEntry OBJECT-TYPE
        SYNTAX Dot11WNMLocationIdentifierReportEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "An entry in the dot11WNMLocationIdentifierReportTable Indexed by
                dot11WNMLocationIdentifierRprtIndex."
        INDEX { dot11WNMLocationIdentifierRprtIndex }
        ::= { dot11WNMLocationIdentifierReportTable 1 }

Dot11WNMLocationIdentifierReportEntry ::=
        SEQUENCE {
                dot11WNMLocationIdentifierRprtIndex                Unsigned32,
                dot11WNMLocationIdentifierRprtRqstToken            OCTET STRING,
                dot11WNMLocationIdentifierRprtIfIndex              InterfaceIndex,
                dot11WNMLocationIdentifierRprtExpirationTSF        TSFType,
                dot11WNMLocationIdentifierRprtPublicIdUri          OCTET STRING }
```

```
dot11WNMLocationIdentifierRprtIndex OBJECT-TYPE
        SYNTAX Unsigned32
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "Index for Location Identifier Report elements in
                dot11WNMLocationIdentifierReportTable, greater than 0."
        ::= { dot11WNMLocationIdentifierReportEntry 1 }

dot11WNMLocationIdentifierRprtRqstToken OBJECT-TYPE
        SYNTAX OCTET STRING
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
                "This 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~~ dot11WNMLocationIdentifierRprtExpirationTSF
OBJECT-TYPE
        SYNTAX ~~OCTET STRING~~ TSFType
        MAX-ACCESS read-~~create~~only
        STATUS current
        DESCRIPTION
                "This attribute indicates the value of the STA TSF timer when the Public
                Identifier URI field value is no longer valid. The Expiration TSF field set
                to 0 indicates the Public Identifier URI does not expire."
        ::= { dot11WNMMulticastDiagnosticReportEntry 4 }

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
                that contains the location by reference for the requesting STA."~~
                "This attribute indicates a value in URI format that points to a location
                object. It can be used to return the location value for the requesting STA.
                The format of the location value returned when the URI is dereferenced is
                dependent on the provider of the URI and is beyond the scope of this docu-
                ment. The Public Identifier URI confirms the validity of the location esti-
                mate to an external agent when a STA forwards a location estimate to that
                agent. The protocol used to query the infrastructure for a location report
                based on the Public Identifier URI is beyond the scope of this standard."
        ::= { dot11WNMLocationIdentifierReportEntry 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 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 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,
                dot11WNMEventTransitRprtIndexdot11WNMEventTransitRprtIfIndex
                Unsigned32InterfaceIndex,
                dot11WNMEventTransitRprtRqstTokendot11WNMEventTransitRprtEventStatusOCTET
                STRINGINTEGER,
                dot11WNMEventTransitRprtIfIndexdot11WNMEventTransitRprtEventTSFInterfaceIn-
                dexTSFType,
                dot11WNMEventTransitRprtTimeValue               OCTET STRING,
                dot11WNMEventTransitRprtTimeError               OCTET STRING,
                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 dot11WNMEventTransitRprtEventStatus OBJECT-TYPE
        SYNTAX INTEGER {
                successful(0),
```

```
                requestFailed(1),
                requestRefused(2),
                requestIncapable(3),
                detectedFrequentTransition(4)
                }
    MAX-ACCESS read-only
            STATUS current
            DESCRIPTION
                "This attribute contains the status value included in the Event Report."
            ::= { dot11WNMEventTransitReportEntry 4 }

    dot11WNMEventTransitRprtEventTSF OBJECT-TYPE
            SYNTAX TSFType
            MAX-ACCESS read-only
            STATUS current
            DESCRIPTION
                "This attribute contains the value of the Event timestamp field."
            ::= { dot11WNMEventTransitReportEntry 5 }

    dot11WNMEventTransitRprtTimeValue OBJECT-TYPE
              OCTET STRING (SIZE(9))
              MAX-ACCESS read-write
              STATUS current
              DESCRIPTION
              "This attribute indicates the TimeAdvertisement Time Value as defined in the Time
          Advertisement IE Time Value field when the Time Capabilities field is set to 2. The
          format is defined in Table 7-37c and is included in the Time Advertisement element in
          Beacon and Probe Response frames."
            ::= { dot11WNMEventTransitReportEntry 6 }

    dot11WNMEventTransitRprtTimeError OBJECT-TYPE
              OCTET STRING (SIZE(5))
              MAX-ACCESS read-write
              STATUS current
              DESCRIPTION
              "This attribute indicates the Time Error value as defined in the Time
          Advertisement IE Time Error field when the Time Capabilities field is set to 2. This
          field is included in the Time Advertisement element in Beacon and Probe Response
          frames."
              DEFVAL { 0 }
            ::= { dot11WNMEventTransitReportEntry 7 }

    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 8 }

    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 9 }

    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 11.2022.32.2"
            ::= { dot11WNMEventTransitReportEntry 6 10 }

    dot11WNMEventTransitRprtTransitReason OBJECT-TYPE
            SYNTAX INTEGER {
```

```
                unspecified(0),
                excessiveFrameLossRatesPoorConditions(1),
                excessiveDelayForCurrentTrafficStreams(2),
                insufficientQosCapacityForCurrentTrafficStreams(3),
                firstAssociationToEss(4),
                loadBalancing(5),
                betteApFoundbetterApFound(6),
                deauthenticatedDisassociatedFromPreviousAp(7),
                certificateTokenapFailedIeee8021XEapAuthentication(8),
                apFailedIeee8021XEapAuthenticationapFailed4wayHandshake(9),
                apFailed4wayHandshakereceivedTooManyReplayCounterFailures(10),
                excessiveDataMICFailuresreceivedTooManyDataMICFailures(11),
                exceededFrameTransmissionRetryLimitexceededMaxNumberOfRetransmissions(12),
                ecessiveBroadcastDisassociationsreceivedTooManyBroadcastDisas-
                sociations(13),
                excessiveBroadcastDeauthenticationsreceivedTooManyBroadcast-
                Deauthentications(14),
                previousTransition FailedpreviousTransitionFailed(15),
                lowRSSI(16)
                }
        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 11 }

dot11WNMEventTransitRprtTransitResult OBJECT-TYPE
        SYNTAX INTEGER (0..65535)
        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 Table7-23 in 7.3.1.9."
        ::= { dot11WNMEventTransitReportEntry 8 12 }

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 13 }

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 14 }

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-
                get RCPI is reported in dBm, as defined in the RCPI measurement clause for
                the PHY Type."
        ::= { dot11WNMEventTransitReportEntry 11 15 }
```

```
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 16 }

-- ********************************************************************
-- * End of dot11WNMEventTransitReport TABLE
-- ********************************************************************

-- ********************************************************************
-- * dot11WNMEventRsnaReport TABLE
-- ********************************************************************
        dot11WNMEventRsnaReportTable OBJECT-TYPE
        SYNTAX SEQUENCE OF Dot11WNMEventRsnaReportEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "Group contains the current list of RSNA Event reports that have been
                received by the MLME. The report tables shall be maintained as FIFO to 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,
                dot11WNMEventRsnaRprtTargetBssiddot11WNMEventRsnaRprtEventStatusMacAddress-
                INTEGER,
                dot11WNMEventRsnaRprtAuthTypedot11WNMEventRsnaRprtEventTSFOCTET STRINGTS-
                FType,
                dot11WNMEventRsnaRprtEapMethoddot11WNMEventRsnaRprtTimeValueOCTET STRING,
                dot11WNMEventRsnaRprtTimeError                  OCTET STRING,
                dot11WNMEventRsnaRprtResultdot11WNMEventRsnaRprtTargetBssidINTEGERMacAd-
                dress,
                dot11WNMEventRsnaRprtRsnElementdot11WNMEventRsnaRprtAuthTypeOCTET STRING
                }STRING,
                dot11WNMEventRsnaRprtRsnElementdot11WNMEventRsnaRprtEapMethodOCTET STRING
                }STRING,
                dot11WNMEventRsnaRprtResult                     INTEGER,
                dot11WNMEventRsnaRprtRsnElement                 OCTET STRING }

dot11WNMEventRsnaRprtIndex OBJECT-TYPE
        SYNTAX Unsigned32
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "Index for RSNA Event Report elements in dot11WNMEventRsnaReportTable,
                greater than 0."
```

```
        ::= { dot11WNMEventRsnaReportEntry 1 }

dot11WNMEventRsnaRprtRqstToken OBJECT-TYPE
        SYNTAX OCTET STRING
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
                "This attribute indicates the request token that was indicated in the WNM
                request that generated this measurement report. This should be an exact
                match to the original dot11WNMRqstToken attribute. Note that there may be
                multiple entries in the table that match this value since a single request
                may generate multiple WNM reports."
        ::= { dot11WNMEventRsnaReportEntry 2 }

dot11WNMEventRsnaRprtIfIndex OBJECT-TYPE
        SYNTAX InterfaceIndex
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
                "The ifIndex for this row of WNMEventRsna Report has been received on."
        ::= { dot11WNMEventRsnaReportEntry 3 }

dot11WNMEventRsnaRprtEventStatus OBJECT-TYPE
        SYNTAX INTEGER {
                successful(0),
                requestFailed(1),
                requestRefused(2),
                requestIncapable(3),
                detectedFrequentTransition(4)
                }
MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the status value included in the Event Report."
        ::= { dot11WNMEventRsnaReportEntry 3 4 }

dot11WNMEventRsnaRprtTargetBssid dot11WNMEventRsnaRprtEventTSF OBJECT-TYPE
        SYNTAX TSFType
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the value of the Event timestamp field."
        ::= { dot11WNMEventRsnaReportEntry 5 }

dot11WNMEventRsnaRprtTimeValue OBJECT-TYPE
          OCTET STRING (SIZE(9))
          MAX-ACCESS read-write
          STATUS current
          DESCRIPTION
          "This attribute indicates the TimeAdvertisement Time Value as defined in the Time
      Advertisement IE Time Value field when the Time Capabilities field is set to 2. The
      format is defined in Table 7-37c and is included in the Time Advertisement element in
      Beacon and Probe Response frames."
        ::= { dot11WNMEventRsnaReportEntry 6 }

dot11WNMEventRsnaRprtTimeError OBJECT-TYPE
          OCTET STRING (SIZE(5))
          MAX-ACCESS read-write
          STATUS current
          DESCRIPTION
          "This attribute indicates the Time Error value as defined in the Time
      Advertisement IE Time Error field when the Time Capabilities field is set to 2. This
      field is included in the Time Advertisement element in Beacon and Probe Response
      frames."
          DEFVAL { 0 }
        ::= { dot11WNMEventRsnaReportEntry 7 }

dot11WNMEventRsnaRprtTargetBssid OBJECT-TYPE
        SYNTAX MacAddress
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the target BSSID for of the AP accepting the
                reported RSNA eventauthorization attempt."
        ::= { dot11WNMEventRsnaReportEntry 4 8 }
```

```
dot11WNMEventRsnaRprtAuthType OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE(4))
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates one of the AKM suite selectors suite, as defined
                in Table 7-34 in 7.3.2.25.2. The first three octets indicate the OUI. The
                last octet indicates the suite type."
        ::= { dot11WNMEventRsnaReportEntry 5 9 }

dot11WNMEventRsnaRprtEapMethod OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE(1..8))
        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 10 }

dot11WNMEventRsnaRprtResult OBJECT-TYPE
        SYNTAX INTEGER (0..65535)
        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 11 }

dot11WNMEventRsnaRprtRsnElement OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE(0..257))
        SYNTAX OCTET STRING
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute contains the the entire contents of the negotiated RSN
                information element at the time of the authentication attempt. The format
                maximum length of the RSN Element field is less than the maximum length of
                an RSN information element is element, as defined in 7.3.2.25. If the
                length of the RSN information element included here exceeds the maximum
                length of the RSN Element field, the RSN information element shall be trun-
                cated to the maximum length allowed for the RSN Element field."
        DEFVAL { ''H }
        ::= { dot11WNMEventRsnaReportEntry 8 12 }

-- ************************************************************************
-- * End of dot11WNMEventRsnaReport TABLE
-- ************************************************************************

-- ************************************************************************
-- * dot11WNMEventPeerReport TABLE
-- ************************************************************************
        dot11WNMEventPeerReportTable OBJECT-TYPE
        SYNTAX SEQUENCE OF Dot11WNMEventPeerReportEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "Group contains the current list of Peer-to-Peer Event reports that have
                been received by the MLME. The report tables shall be maintained as FIFO to
                preserve freshness, thus the rows in this table can be deleted for memory
                constraints or other implementation constraints determined by the vendor.
                New rows shall have different RprtIndex values than those deleted within
                the range limitation of the index. One easy way is to monotonically
                increase RprtIndex for new reports being written in the table."
        ::= { dot11WNMReport 7 }
```

```
dot11WNMEventPeerReportEntry OBJECT-TYPE
        SYNTAX Dot11WNMEventPeerReportEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "An entry in the dot11WNMEventPeerReportTable Indexed by
                dot11WNMEventPeerRprtIndex."
        INDEX { dot11WNMEventPeerRprtIndex }
        ::= { dot11WNMEventPeerReportTable 1 }

Dot11WNMEventPeerReportEntry ::=
        SEQUENCE {
                dot11WNMEventPeerRprtIndex                      Unsigned32,
                dot11WNMEventPeerRprtRqstToken                  OCTET STRING,
                dot11WNMEventPeerRprtIfIndex                    InterfaceIndex,
                dot11WNMEventPeerRprtPeerMacAddressdot11WNMEventTransitRprtEventStatusMac-
                AddressINTEGER,
                dot11WNMEventPeerRprtRegulatoryClassdot11WNMEventTransitRprtEventTSFINTE-
                GERTSFType,
                dot11WNMEventTransitRprtTimeValue               OCTET STRING,
                dot11WNMEventTransitRprtTimeError               OCTET STRING,
                dot11WNMEventPeerRprtChanNumberdot11WNMEventPeerRprtPeerMacAddressINTEGER-
                MacAddress,
                dot11WNMEventPeerRprtStaTxPowerdot11WNMEventPeerRprtRegulatoryClass
                Integer32INTEGER,
                dot11WNMEventPeerRprtConnTimedot11WNMEventPeerRprtChanNumberINTEGER,
                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
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
                "The ifIndex for this row of WNMEventPeer Report has been received on."
        ::= { dot11WNMEventPeerReportEntry 3 }

dot11WNMEventPeerRprtEventStatus OBJECT-TYPE
        SYNTAX INTEGER {
                successful(0),
                requestFailed(1),
                requestRefused(2),
                requestIncapable(3),
                detectedFrequentTransition(4)
                }
MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the status value included in the Event Report."
```

```
        ::= { dot11WNMEventPeerReportEntry 4 }

dot11WNMEventPeerRprtEventTSF OBJECT-TYPE
        SYNTAX TSFType
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the value of the Event timestamp field."
        ::= { dot11WNMEventPeerReportEntry 5 }

dot11WNMEventPeerRprtTimeValue OBJECT-TYPE
          OCTET STRING (SIZE(9))
          MAX-ACCESS read-write
          STATUS current
          DESCRIPTION
          "This attribute indicates the TimeAdvertisement Time Value as defined in the Time
      Advertisement IE Time Value field when the Time Capabilities field is set to 2. The
      format is defined in Table 7-37c and is included in the Time Advertisement element in
      Beacon and Probe Response frames."
        ::= { dot11WNMEventPeerReportEntry 3 6 }

dot11WNMEventPeerRprtPeerMacAddress dot11WNMEventPeerRprtTimeError OBJECT-TYPE
          OCTET STRING (SIZE(5))
          MAX-ACCESS read-write
          STATUS current
          DESCRIPTION
          "This attribute indicates the Time Error value as defined in the Time
      Advertisement IE Time Error field when the Time Capabilities field is set to 2. This
      field is included in the Time Advertisement element in Beacon and Probe Response
      frames."
          DEFVAL { 0 }
        ::= { dot11WNMEventPeerReportEntry 7 }

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 addressBSSID. 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 8 }

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 as shown in Annex J."
        REFERENCE
                "Annex J"
        ::= { dot11WNMEventPeerReportEntry 5 9 }

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 requestas shown in Annex J."
        ::= { dot11WNMEventPeerReportEntry 6 10 }

dot11WNMEventPeerRprtStaTxPower OBJECT-TYPE
        SYNTAX Integer32
        SYNTAX INTEGER (-128..127)
        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 for the lowest basic rate of
                the reporting STA."
        ::= { dot11WNMEventPeerReportEntry 7 11 }

dot11WNMEventPeerRprtConnTime OBJECT-TYPE
        SYNTAX INTEGER (0..16777215)
        UNITS "seconds"
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates a value representing the connectioin 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 indi-
                cates the time difference from the time the Direct Link was established to
                the current timetime at which the reporting STA generated the event report.
                If the Peer Status is 2, this field indicates the duration of the IBSS mem-
                bership. If the Peer Status is 3, this field indicates the time difference
                from the time the STA joined the IBSS to the time at which the current tim-
                ereporting STA generated the event report. See 11.20.2.4."
        ::= { dot11WNMEventPeerReportEntry 8 12 }

dot11WNMEventPeerRprtPeerStatus OBJECT-TYPE
        SYNTAX INTEGER {
                directLinkTerminated(0),
                directLinkActive(1),
                ibssMembershipTerminated(2),
                ibssMembershipActive(3)
                }
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the peer link connection status."
        ::= { dot11WNMEventPeerReportEntry 9 13 }

-- ****************************************************************
-- * End of dot11WNMEventPeerReport TABLE
-- ****************************************************************

-- ****************************************************************
-- * dot11WNMEventWNMLogReport TABLE
-- ****************************************************************
        dot11WNMEventWNMLogReportTable OBJECT-TYPE
        SYNTAX SEQUENCE OF Dot11WNMEventWNMLogReportEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "Group contains the current list of WNMLog Event reports that have been
                received by the MLME. The report tables shall be maintained as FIFO to 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 }

dot11WNMEventWNMLogReportEntry OBJECT-TYPE
        SYNTAX Dot11WNMEventWNMLogReportEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "An entry in the dot11WNMEventWNMLogReportTable Indexed by
                dot11WNMEventWNMLogRprtIndex."
        INDEX { dot11WNMEventWNMLogRprtIndex }
        ::= { dot11WNMEventWNMLogReportTable 1 }

Dot11WNMEventWNMLogReportEntry ::=
        SEQUENCE {
                dot11WNMEventWNMLogRprtIndex                    Unsigned32,
                dot11WNMEventWNMLogRprtRqstToken                OCTET STRING,
                dot11WNMEventWNMLogRprtIfIndex                  InterfaceIndex,
                dot11WNMEventWNMLogRprtEventStatus              INTEGER,
```

```
                dot11WNMEventWNMLogRprtEventTSF                    TSFType,
                dot11WNMEventWNMLogRprtContentdot11WNMEventWNMLogRprtTimeValueOCTET STRING
                }STRING,
                dot11WNMEventWNMLogRprtTimeError                   OCTET STRING,
                dot11WNMEventWNMLogRprtContent                     OCTET STRING }

dot11WNMEventWNMLogRprtIndex OBJECT-TYPE
        SYNTAX Unsigned32
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "Index for WNMLog Event Report elements in dot11WNMEventWNMLogReportTable,
                greater than 0."
        ::= { dot11WNMEventWNMLogReportEntry 1 }

dot11WNMEventWNMLogRprtRqstToken OBJECT-TYPE
        SYNTAX OCTET STRING
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
                "This attribute indicates the request token that was indicated in the WNM
                request that generated this measurement report. This should be an exact
                match to the original dot11WNMRqstToken attribute. Note that there may be
                multiple entries in the table that match this value since a single request
                may generate multiple WNM reports."
        ::= { dot11WNMEventWNMLogReportEntry 2 }

dot11WNMEventWNMLogRprtIfIndex OBJECT-TYPE
        SYNTAX InterfaceIndex
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
                "The ifIndex for this row of WNMEventWNMLog Report has been received on."
        ::= { dot11WNMEventWNMLogReportEntry 3 }

dot11WNMEventWNMLogRprtEventStatus OBJECT-TYPE
        SYNTAX INTEGER {
                successful(0),
                requestFailed(1),
                requestRefused(2),
                requestIncapable(3),
                detectedFrequentTransition(4)
                }
MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the status value included in the Event Report."
        ::= { dot11WNMEventWNMLogReportEntry 34 }

dot11WNMEventWNMLogRprtContent dot11WNMEventWNMLogRprtEventTSF OBJECT-TYPE
        SYNTAX TSFType
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
            "This attribute contains the value of the Event timestamp field."
        ::= { dot11WNMEventWNMLogReportEntry 5 }

dot11WNMEventWNMLogRprtTimeValue OBJECT-TYPE
          OCTET STRING (SIZE(9))
          MAX-ACCESS read-write
          STATUS current
          DESCRIPTION
          "This attribute indicates the TimeAdvertisement Time Value as defined in the Time
      Advertisement IE Time Value field when the Time Capabilities field is set to 2. The
      format is defined in Table 7-37c and is included in the Time Advertisement element in
      Beacon and Probe Response frames."
          ::= { dot11WNMEventWNMLogReportEntry 6 }

dot11WNMEventWNMLogRprtTimeError OBJECT-TYPE
SYNTAX    OCTET STRING (SIZE(0..22845))
          MAX-ACCESS read-createwrite
          STATUS current
          DESCRIPTION
                "This attribute provides an envelope for the WNMLog Event subelements
                required by the WNM request element. Zero length is the null default for
```

```
                ~~this attribute."~~
                "This attribute indicates the Time Error value as defined in the Time
        Advertisement IE Time Error field when the Time Capabilities field is set to 2. This
        field is included in the Time Advertisement element in Beacon and Probe Response
        frames."
            DEFVAL { 0 }
         ::= { dot11WNMEventWNMLogReportEntry 7 }

dot11WNMEventWNMLogRprtContent OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE(0..2284))
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute contains the entire syslog message, consisting of the PRI,
                HEADER, and MSG portion of a WNM Log message as described in IETF RFC 3164-
                2001. The TAG field of the MSG portion of the message is a 17 octet string
                containing the ASCII representation of the STA MAC address using hexadeci-
                mal notation with colons between octets. The octet containing the individ-
                ual/group bit occurs last,   and that bit is in the least significant
                position within that octet. See 11.22.2.5."
        DEFVAL { ''H }
        ::= { dot11WNMEventWNMLogReportEntry ~~4~~8 }

-- ************************************************************************
-- * End of dot11WNMEventWNMLogReport TABLE
-- ************************************************************************

-- ************************************************************************
-- * dot11WNMDiagMfrInfoReport TABLE
-- ************************************************************************
        dot11WNMDiagMfrInfoReportTable OBJECT-TYPE
        SYNTAX SEQUENCE OF Dot11WNMDiagMfrInfoReportEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "Group contains the current list of Manufacturer Information STA reports
                that have been received by the MLME. The report tables shall be maintained
                as FIFO to preserve freshness, thus the rows in this table can be deleted
                for memory constraints or other implementation constraints determined by
                the vendor. New rows shall have different RprtIndex values than those
                deleted within the range limitation of the index. One easy way is to mono-
                tonically increase RprtIndex for new reports being written in the table."
        ::= { dot11WNMReport 9 }

dot11WNMDiagMfrInfoReportEntry OBJECT-TYPE
        SYNTAX Dot11WNMDiagMfrInfoReportEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "An entry in the dot11WNMDiagMfrInfoReportTable Indexed by
                dot11WNMDiagMfrInfoRprtIndex."
        INDEX { dot11WNMDiagMfrInfoRprtIndex }
        ::= { dot11WNMDiagMfrInfoReportTable 1 }

Dot11WNMDiagMfrInfoReportEntry ::=
        SEQUENCE {
                dot11WNMDiagMfrInfoRprtIndex                    Unsigned32,
                dot11WNMDiagMfrInfoRprtRqstToken                OCTET STRING,
                dot11WNMDiagMfrInfoRprtIfIndex                  InterfaceIndex,
                dot11WNMDiagMfrInfoRprtEventStatus              INTEGER,
                dot11WNMDiagMfrInfoRprtMfrOi                    OCTET STRING,
                ~~dot11WNMDiagMfrInfoRprtMfrOui~~dot11WNMDiagMfrInfoRprtMfrIdStringOCTET
                STRING,
                ~~dot11WNMDiagMfrInfoRprtMfrIdString~~dot11WNMDiagMfrInfoRprtMfrModelString
                OCTET STRING,
                ~~dot11WNMDiagMfrInfoRprtMfrModelString~~dot11WNMDiagMfrInfoRprtMfrSerialNumber
                String                                          OCTET STRING,
                ~~dot11WNMDiagMfrInfoRprtMfrSerialNumberString~~dot11WNMDiagMfrInfoRprtMfrFirmw
                areVersion                                      OCTET STRING,
                ~~dot11WNMDiagMfrInfoRprtMfrFirmwareVersion~~dot11WNMDiagMfrInfoRprtMfrAntennaT
                ype                                             OCTET STRING,
                ~~dot11WNMDiagMfrInfoRprtMfrAntennaType~~dot11WNMDiagMfrInfoRprtCollocRadioType
```

```
                OCTET STRINGINTEGER,
                dot11WNMDiagMfrInfoRprtMfrAntennaGaindot11WNMDiagMfrInfoRprtDeviceTypeOCTET
                STRING INTEGER}

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 dot11WNMDiagMfrInfoRprtEventStatus OBJECT-TYPE
        SYNTAX INTEGER {
                successful(0),
                requestFailed(1),
                requestRefused(2),
                requestIncapable(3),
                detectedFrequentTransition(4)
                }
          MAX-ACCESS read-only
          STATUS current
          DESCRIPTION
            "This attribute contains the status value included in the Event Report."
        ::= { dot11WNMDiagMfrInfoReportEntry 4}

dot11WNMDiagMfrInfoRprtMfrOi OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE(0..5))
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the Manufacturer OI for the reported Manufac-
                turer Information STA Diagnostic. The OUI attribute contains an Organiza-
                tional Unique Identification, the first 24-bits of the network connected
                device that indicate the specific vendor for that device."
        DEFVAL { ''H }
        ::= { dot11WNMDiagMfrInfoReportEntry 4 5 }

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 Manu-
                facturer Information STA Diagnostic. The ID attribute contains an ASCII
                string indicating the manufacturer identifier of the wireless network adap-
                tor. This string is not null terminated."
        DEFVAL { ''H }
        ::= { dot11WNMDiagMfrInfoReportEntry 5 6 }

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 7 }

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 8 }

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 cur-
                rently installed on the wireless network adaptor. This string is not null
                terminated."
        DEFVAL { ''H }
        ::= { dot11WNMDiagMfrInfoReportEntry 8 9 }

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 first octet of this
                string indicates the antenna count, and the second octet indicates the
                antenna gain. The antenna gain indicates the peak gain in dBi of the
                antenna type attribute contains connected to the wireless network adaptor.
                The remaining octets contain an ASCII string indicating the type of antenna
                connected to the wireless network adaptor."
        DEFVAL { ''H }
        ::= { dot11WNMDiagMfrInfoReportEntry 9 10 }

dot11WNMDiagMfrInfoRprtMfrAntennaGain dot11WNMDiagMfrInfoRprtCollocRadioType OBJECT-TYPE
        SYNTAX INTEGER {
                reserved(0),
                SYNTAX OCTET STRING (SIZEcellular(1),)
                cordless(2),
                gps(3),
                ieee80211(4),
                ieee80215(5),
                ieee80216(6),
                ieee80220(7),
                ieee80222(8),
                digitalAudioBroadcasting(9),
                digitalVideoBroadcasting(10)
                }
          MAX-ACCESS read-createonly
        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 }
           STATUS current
           DESCRIPTION
             "This attribute contains the type of the collocated radio."
        ::= { dot11WNMDiagMfrInfoReportEntry 11 }

dot11WNMDiagMfrInfoRprtDeviceType OBJECT-TYPE
        SYNTAX INTEGER {
                reserved(0),
                referenceDesign(1),
                accessPointWirelessRouterSoho(2),
                enterpriseAccessPoint(3),
                broadbandGateway(4),
                digitalStillCamera(5),
                portableVideoCamera(6),
                networkedWebCamera(7),
                digitalAudioStationary(8),
                digitalAudioPortable(9),
                setTopBoxMediaServer(10),
                tvMonitorDigitalPictureFrame(11),
                gameConsoleGameAdaptor(12),
                gamingDevice(13),
                mediaServerMediaAdaptor(14),
                networkStorageDevice(15),
                externalWifiCard(16),
                internalWifiCard(17),
                ultraMobilPc(18),
                notebookComputer(19),
                personalDigitalAssistant(20),
                printerPrintServer(21),
                phoneDualMode(22),
                phoneSingleMode(23),
                smartphoneDualMode(24),
                smartphoneSingleMode(25),
                otherDevices(221),
                }
           MAX-ACCESS read-only
           STATUS current
           DESCRIPTION
             "This attribute indicates the type of device in which the 802.11 STA resides."
        ::= { dot11WNMDiagMfrInfoReportEntry 10 12 }

-- ****************************************************************
-- * End of dot11WNMDiagMfrInfoReport TABLE
-- ****************************************************************

-- ****************************************************************
-- * dot11WNMDiagConfigProfReport TABLE
-- ****************************************************************
        dot11WNMDiagConfigProfReportTable OBJECT-TYPE
        SYNTAX SEQUENCE OF Dot11WNMDiagConfigProfReportEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "Group contains the current list of Configuration Profile reports that have
                been received by the MLME. The report tables shall be maintained as FIFO to
                preserve freshness, thus the rows in this table can be deleted for memory
                constraints or other implementation constraints determined by the vendor.
                New rows shall have different RprtIndex values than those deleted within
                the range limitation of the index. One easy way is to monotonically
                increase RprtIndex for new reports being written in the table."
        ::= { dot11WNMReport 10 }

dot11WNMDiagConfigProfReportEntry OBJECT-TYPE
        SYNTAX Dot11WNMDiagConfigProfReportEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "An entry in the dot11WNMDiagConfigProfReportTable Indexed by
                dot11WNMDiagConfigProfRprtIndex."
        INDEX { dot11WNMDiagConfigProfRprtIndex }
        ::= { dot11WNMDiagConfigProfReportTable 1 }
```

```
Dot11WNMDiagConfigProfReportEntry ::=
        SEQUENCE {
                dot11WNMDiagConfigProfRprtIndex                     Unsigned32,
                dot11WNMDiagConfigProfRprtRqstToken                 OCTET STRING,
                ~~dot11WNMDiagConfigProfRprtRqstToken~~dot11WNMDiagConfigProfRprtIfIndex~~OCTET
                ~~STRING~~InterfaceIndex,
                ~~dot11WNMDiagConfigProfRprtIfIndex~~dot11WNMDiagConfigProfRprtEventStatus
                ~~InterfaceIndex~~INTEGER,
                dot11WNMDiagConfigProfRprtProfileId                 INTEGER,
                dot11WNMDiagConfigProfRprtSupportedRegClasses       OCTET STRING,
                dot11WNMDiagConfigProfRprtTxPowerMode               INTEGER,
                dot11WNMDiagConfigProfRprtTxPowerLevels             OCTET STRING,
                dot11WNMDiagConfigProfRprtCipherSuite               OCTET STRING,
                ~~dot11WNMDiagConfigProfRprtTxPowerLevels~~ dot11WNMDiagConfigProfRprtAkmSuite
                OCTET STRING,
                ~~dot11WNMDiagConfigProfRprtTxPowerLevels~~ dot11WNMDiagConfigProfRprtEapType
                ~~OCTET STRING~~INTEGER,
                ~~dot11WNMDiagConfigProfRprtCipherSuite~~ dot11WNMDiagConfigProfRprtEapVendorID
                OCTET STRING,
                ~~dot11WNMDiagConfigProfRprtAkmSuite~~ dot11WNMDiagConfigProfRprtEapVendorType
                OCTET STRING,
                ~~dot11WNMDiagConfigProfRprtEapMethod~~
                dot11WNMDiagConfigProfRprtCredentialType            ~~OCTET STRING~~INTEGER,
                dot11WNMDiagConfigProfRprtSSID                      OCTET STRING,
                dot11WNMDiagConfigProfRprtPowerSaveMode             INTEGER }

dot11WNMDiagConfigProfRprtIndex OBJECT-TYPE
        SYNTAX Unsigned32
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "Index for Configuration Profile Report elements in
                dot11WNMDiagConfigProfReportTable, greater than 0."
        ::= { dot11WNMDiagConfigProfReportEntry 1 }

dot11WNMDiagConfigProfRprtRqstToken OBJECT-TYPE
        SYNTAX OCTET STRING
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
                "This 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~~ dot11WNMDiagConfigProfRprtEventStatus OBJECT-TYPE
        SYNTAX INTEGER {
                ~~SYNTAX INTEGER~~ successful(0~~..255~~),
                requestFailed(1),
                requestRefused(2),
                requestIncapable(3),
                detectedFrequentTransition(4)
                }
          MAX-ACCESS read-~~create~~only
          STATUS current
          DESCRIPTION
            "This attribute contains the status value included in the Event Report."
        ::= { dot11WNMDiagConfigProfReportEntry 4}

dot11WNMDiagConfigProfRprtProfileId OBJECT-TYPE
        SYNTAX INTEGER (0..255)
```

```
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates a unique identifier for referencing a configura-
                tion 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 configu-
                ration profile on the device sending the identifier."
        ::= { dot11WNMDiagConfigProfReportEntry 4 5 }

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 7.3.2.5154. Each octet
                contains an integer representing a regulatory class. Regulatory Classes are
                defined in Annex J. Zero length is the null default for this attribute."
        DEFVAL { ''H }
        ::= { dot11WNMDiagConfigProfReportEntry 5 6 }

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 6 7 }

dot11WNMDiagConfigProfRprtTxPowerLevels OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE(21..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 one or more fixed power
                level settings available at this STA, arranged in increasing numerical
                order."
        ::= { dot11WNMDiagConfigProfReportEntry 7 8 }

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 9 }

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 7-3434 in
                7.3.2.25.2. The first three octets indicate the OUI. The last octet indi-
                cates the suite type."
        ::= { dot11WNMDiagConfigProfReportEntry 9 10 }

dot11WNMDiagConfigProfRprtEapMethod dot11WNMDiagConfigProfRprtEapType OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE(1INTEGER {0..8)255)
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
        DESCRIPTION
```

```
                "This attribute indicates the single EAP method used by the STA. Valid EAP
                Type numbers are assigned by IANA assigned EAP type as and are 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)."
        ::= { dot11WNMDiagConfigProfReportEntry 11 }

dot11WNMDiagConfigProfRprtEapVendorId OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE(0..3))
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the EAP Vendor ID number for the EAP method used
                by the STA. The EAP Vendor ID field is included when the EAP Type field is
                set to 254, and is excluded otherwise."
        ::= { dot11WNMDiagConfigProfReportEntry 12 }

dot11WNMDiagConfigProfRprtEapVendorType OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE(0..4))
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the EAP Vendor Type number for the EAP method
                used by the STA. The EAP Vendor Type field is included when the EAP Type
                field is set to 254, and is excluded otherwise."
        ::= { dot11WNMDiagConfigProfReportEntry 13 }

dot11WNMDiagConfigProfRprtCredentialType OBJECT-TYPE
        SYNTAX INTEGER {
                none(0),
                preSharedKey(1),
                userNamePassword(2),
                x509Certificate(3),
                otherCertificate(4),
                oneTimePassword(5),
                token(6)
                }
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the type of 802.1X credentials used by the STA
                for this authentication diagnostic."
        ::= { dot11WNMDiagConfigProfReportEntry 10 14 }

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 15 }

dot11WNMDiagConfigProfRprtPowerSaveMode OBJECT-TYPE
        SYNTAX INTEGER {
                unknownMode(0),
                none(1),
                unknownModepsDtims1Mode(02),
                unknownModepsDtims0Mode(03),
                noneuapsdMode(14),
                psDtims1Modesapsd Mode(25),
                psDtims0Modeupsmp Mode(36),
                uapsdModespsmp Mode(47),
                sapsdModesmps Mode(58),
                upsmpModewnmSleep Mode(69),
                spsmpModefms Mode(710),
                wnmSleepModetimBroadcast Mode(811),
                fmsModetfs Mode(912),
                timBroadcastModetdlsPeerUapsd Mode(1013),
                tfsModetdlsPeerPsm Mode(1114)
                }
        MAX-ACCESS read-create
```

```
        STATUS current
        DESCRIPTION
                "This attribute indicates the power save mode in use by the STA, as defined
                in Table 7-v14."
        ::= { dot11WNMDiagConfigProfReportEntry ~~12~~ 16 }

-- ****************************************************************
-- * 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~~dot11WNMDiagAssocRprtEventStatus~~MacAddress~~INTE-
                GER,
                ~~dot11WNMDiagAssocRprtRegulatoryClass~~dot11WNMDiagAssocRprtBssid~~INTEGER~~MacAd-
                dress,
                ~~dot11WNMDiagAssocRprtChannelNumber~~dot11WNMDiagAssocRprtRegulatoryClassINTE-
                GER,
                dot11WNMDiagAssocRprtChannelNumber                  INTEGER,
                dot11WNMDiagAssocRprtStatusCode                     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
        DESCRIPTION
                "The ifIndex for this row of WNMDiagAssoc Report has been received on."
        ::= { dot11WNMDiagAssocReportEntry 3 }

dot11WNMDiagAssocRprtBssid dot11WNMDiagAssocRprtEventStatus OBJECT-TYPE
        SYNTAX INTEGER {
                successful(0),
                requestFailed(1),
                requestRefused(2),
                requestIncapable(3),
                detectedFrequentTransition(4)
                }
          MAX-ACCESS read-only
          STATUS current
          DESCRIPTION
            "This attribute contains the status value included in the Event Report."
        ::= { dot11WNMDiagAssocReportEntry 4 }

dot11WNMDiagAssocRprtBssid OBJECT-TYPE
        SYNTAX MacAddress
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the BSSID for the target AP for this Assoication
                Diagnostic Report."
        ::= { dot11WNMDiagAssocReportEntry 4 5 }

dot11WNMDiagAssocRprtRegulatoryClass OBJECT-TYPE
        SYNTAX INTEGER(1..255)
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the regulatory class of channel set for the tar-
                get AP for this Association Diagnostic Report. Country, Regulatory Class
                and Channel Number together specify the channel frequency and spacing for
                this measurement request. Valid values of Regulatory Class are as shown in
                Annex J."
        REFERENCE
                "Annex J"
        ::= { dot11WNMDiagAssocReportEntry 5 6 }

dot11WNMDiagAssocRprtChannelNumber 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 requestas sown in Annex J."
        ::= { dot11WNMDiagAssocReportEntry 6 7 }

dot11WNMDiagAssocRprtStatusCode OBJECT-TYPE
        SYNTAX INTEGER (0..65535)
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the result of the association diagnostic and is
                set to one of the Status Codes specified in Table7-23 in 7.3.1.9."
        ::= { dot11WNMDiagAssocReportEntry 7 8 }

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

-- ************************************************************************
-- * dot11WNMDiag8021xAuthReport TABLE
-- ************************************************************************
        dot11WNMDiag8021xAuthReportTable OBJECT-TYPE
```

```
        SYNTAX SEQUENCE OF Dot11WNMDiag8021xAuthReportEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "Group contains the current list of 802.1X Authentication Diagnostic
                reports that have been received by the MLME. The report tables shall be
                maintained as FIFO to preserve freshness, thus the rows in this table can
                be deleted for memory constraints or other implementation constraints
                determined by the vendor. New rows shall have different RprtIndex values
                than those deleted within the range limitation of the index. One easy way
                is to monotonically increase RprtIndex for new reports being written in the
                table."
        ::= { dot11WNMReport 12 }

dot11WNMDiag8021xAuthReportEntry OBJECT-TYPE
        SYNTAX Dot11WNMDiag8021xAuthReportEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "An entry in the dot11WNMDiag8021xAuthReportTable Indexed by
                dot11WNMDiag8021xAuthRprtIndex."
        INDEX { dot11WNMDiag8021xAuthRprtIndex }
        ::= { dot11WNMDiag8021xAuthReportTable 1 }

Dot11WNMDiag8021xAuthReportEntry ::=
        SEQUENCE {
                dot11WNMDiag8021xAuthRprtIndex                  Unsigned32,
                dot11WNMDiag8021xAuthRprtRqstToken              OCTET STRING,
                dot11WNMDiag8021xAuthRprtIfIndex                InterfaceIndex,
                dot11WNMDiag8021xAuthRprtBssiddot11WNMDiag8021xAuthRprtEventStatusMacAd-
                dressINTEGER,
                dot11WNMDiag8021xAuthRprtRegulatoryClass dot11WNMDiag8021xAuthRprtBssid
                INTEGERMacAddress,
                dot11WNMDiag8021xAuthRprtChannelNumberdot11WNMDiag8021xAuthRprtRegulatoryCl
                ass                                             INTEGER,
                dot11WNMDiag8021xAuthRprtEapMethoddot11WNMDiag8021xAuthRprtChannelNumber
                OCTET STRINGINTEGER,
                dot11WNMDiag8021xAuthRprt8021xCredentialsdot11WNMDiag8021xAuthRprtEapType
                INTEGER,
                dot11WNMDiag8021xAuthRprtRqstTokendot11WNMDiag8021xAuthRprtEapVendorIDOCTET
                STRING,
                dot11WNMDiag8021xAuthRprtEapVendorType          OCTET STRING,
                dot11WNMDiag8021xAuthRprtCredentialType         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 }

dot11WNMDiag8021xAuthRprtEventStatus OBJECT-TYPE
        SYNTAX INTEGER {
                successful(0),
                requestFailed(1),
                requestRefused(2),
                requestIncapable(3),
                detectedFrequentTransition(4)
                }
          MAX-ACCESS read-only
          STATUS current
          DESCRIPTION
            "This attribute contains the status value included in the Event Report."
        ::= { dot11WNMDiag8021xAuthReportEntry 3 4 }

dot11WNMDiag8021xAuthRprtBssid OBJECT-TYPE
        SYNTAX MacAddress
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the BSSID for the target AP for this Authentica-
                tion Diagnostic Report."
        ::= { dot11WNMDiag8021xAuthReportEntry 4 5 }

dot11WNMDiag8021xAuthRprtRegulatoryClass OBJECT-TYPE
        SYNTAX INTEGER(1..255)
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the regulatory class of channel set for the tar-
                get AP for this Authentication Diagnostic Report. Country, Regulatory Class
                and Channel Number together specify the channel frequency and spacing for
                this measurement request. Valid values of Regulatory Class are as shown in
                Annex J."
        REFERENCE
                "Annex J"
        ::= { dot11WNMDiag8021xAuthReportEntry 5 6 }

dot11WNMDiag8021xAuthRprtChannelNumber 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
                Authentication Diagnostic Report. The Channel Number is only defined within
                the indicated Regulatory Class for this WNM requestas shown in Annex J."
        ::= { dot11WNMDiag8021xAuthReportEntry 6 7 }

dot11WNMDiag8021xAuthRprtEapMethod dot11WNMDiag8021xAuthRprtEapType OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE(1INTEGER {0..8)255)
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
        DESCRIPTION
                "This attribute indicates the single EAP method used by the STA. Valid EAP
                Type numbers are assigned by IANA assigned EAP type as and are 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)."
        ::= { dot11WNMDiag8021xAuthReportEntry 7 8 }

dot11WNMDiag8021xAuthRprt8021xCredentials dot11WNMDiag8021xAuthRprtEapVendorId OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE(0..3))
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the EAP Vendor ID number for the EAP method used
                by the STA. The EAP Vendor ID field is included when the EAP Type field is
                set to 254, and is excluded otherwise."
        ::= { dot11WNMDiag8021xAuthReportEntry 9 }
```

```
dot11WNMDiag8021xAuthRprtEapVendorType OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE(0..4))
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the EAP Vendor Type number for the EAP method
                used by the STA. The EAP Vendor Type field is included when the EAP Type
                field is set to 254, and is excluded otherwise."
        ::= { dot11WNMDiag8021xAuthReportEntry 10 }

dot11WNMDiag8021xAuthRprtCredentialType OBJECT-TYPE
        SYNTAX INTEGER {
                preSharedKeynone(10),
                userNamePasswordpreSharedKey(21),
                x509CertificateuserNamePassword(32),
                otherCertificatex509Certificate(43),
                oneTimePasswordotherCertificate(54),
                tokenoneTimePassword(65),
                certificateUserNamePasswordtoken(76),
                cerrtificateToken(8)
                }
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the type of 802.1X credentials used by the STA
                for this authentication diagnostic."
        ::= { dot11WNMDiag8021xAuthReportEntry 8 11 }

dot11WNMDiag8021xAuthRprtStatusCode 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 Table7-23 in 7.3.1.9."
        ::= { dot11WNMDiag8021xAuthReportEntry 9 12 }

-- ************************************************************************
-- * End of dot11WNMDiag8021xAuthReport TABLE
-- ************************************************************************

-- ************************************************************************
-- * dot11WNMLCIReport dot11WNMLocConfigReport TABLE
-- ************************************************************************
        dot11WNMLCIReportTable dot11WNMLocConfigReportTable OBJECT-TYPE
        SYNTAX SEQUENCE OF Dot11WNMLCIReportEntryDot11WNMLocConfigReportEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "Group contains the current list of Location Configuration reports that
                have been received by the MLME. The report tables shall be maintained as
                FIFO to preserve freshness, thus the rows in this table can be deleted for
                memory constraints or other implementation constraints determined by the
                vendor. New rows shall have different RprtIndex values than those deleted
                within the range limitation of the index. One easy way is to monotonically
                increase RprtIndex for new reports being written in the table."
        ::= { dot11WNMReport 13 }

dot11WNMLCIReportEntry dot11WNMLocConfigReportEntry OBJECT-TYPE
        SYNTAX Dot11WNMLCIReportEntryDot11WNMLocConfigReportEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "An entry in the dot11WNMLCIReportTable dot11WNMLocConfigReportTable
                Indexed by dot11WNMLCIRprtIndexdot11WNMLocConfigRprtIndex."
        INDEX { dot11WNMLCIRprtIndex dot11WNMLocConfigRprtIndex }
        ::= { dot11WNMLCIReportTable dot11WNMLocConfigReportTable 1 }

Dot11WNMLCIReportEntry Dot11WNMLocConfigReportEntry ::=
        SEQUENCE {
                dot11WNMLCIRprtIndexdot11WNMLocConfigRprtIndex      Unsigned32,
                dot11WNMLCIRprtRqstTokendot11WNMLocConfigRprtRqstTokenOCTET STRING,
```

```
                dot11WNMLCIRprtIfIndexdot11WNMLocConfigRprtIfIndex   InterfaceIndex,
                dot11WNMLCIRprtLocIndParamsdot11WNMLocConfigRprtLocIndParamsOCTET STRING,
                dot11WNMLCIRprtLCIChanListdot11WNMLocConfigRprtLocIndChanListOCTET STRING,
                dot11WNMLCIRprtLCISubElementIDdot11WNMLocConfigRprtLocIndBcastRateINTEGER,
                dot11WNMLCIRprtLCIStatusdot11WNMLocConfigRprtStatusConfigSubelemIdINTEGER,
                dot11WNMLCIRprtTxPowerdot11WNMLocConfigRprtStatusResultINTEGER,
                dot11WNMLCIRprtAntennaID                              INTEGER,
                dot11WNMLCIRprtAntennaGain                            INTEGER,
                dot11WNMLCIRprtRCPI                                   INTEGER,
                dot11WNMLCIRprtRSNI                                   INTEGER,
                dot11WNMLCIRprtMotionIndicator                        INTEGER,
                dot11WNMLCIRprtBearing                                INTEGER,
                dot11WNMLCIRprtSpeedUnits                             INTEGER,
                dot11WNMLCIRprtHorizontalSpeed                        INTEGER,
                dot11WNMLCIRprtVerticalSpeed                          INTEGER,
                dot11WNMLCIRprtLCIBcastRate                           INTEGER,
                dot11WNMLCIRprtTODTimestampdot11WNMLocConfigRprtVendorSpecificRprtContent
                OCTET STRING,STRING }
                dot11WNMLCIRprtTODTolerance                           OCTET STRING,
                dot11WNMLCIRprtTODClockRate                           INTEGER,
                dot11WNMLCIRprtVendorSpecificRprtContent              OCTET STRING }

dot11WNMLCIRprtIndex dot11WNMLocConfigRprtIndex OBJECT-TYPE
        SYNTAX Unsigned32
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "Index for Location Configuration Report elements in
                dot11WNMLCIReportTabledot11WNMLocConfigReportTable, greater than 0."
        ::= { dot11WNMLCIReportEntry dot11WNMLocConfigReportEntry 1 }

dot11WNMLCIRprtRqstToken dot11WNMLocConfigRprtRqstToken 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 dot11WNMLocConfigReportEntry 2 }

dot11WNMLCIRprtIfIndex dot11WNMLocConfigRprtIfIndex OBJECT-TYPE
        SYNTAX InterfaceIndex
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
                "The ifIndex for this row of WNMLCI WNMLocConfig Report has been received
                on."
        ::= { dot11WNMLCIReportEntry dot11WNMLocConfigReportEntry 3 }

dot11WNMLCIRprtLocIndParams dot11WNMLocConfigRprtLocIndParams OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE(1716))
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates STA Location reporting characteristics. The for-
                mat of these Location Indication Parameters are detailed in 7.3.2.6670.2"
        ::= { dot11WNMLCIReportEntry dot11WNMLocConfigReportEntry 4 }

dot11WNMLCIRprtLCIChanList dot11WNMLocConfigRprtLocIndChanList OBJECT-TYPE
        SYNTAX OCTET STRING (SIZE(0..255254))
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute lists location indication reporting channel information for
                this LCI requestLocation Configuration Report. Zero length is the null
                default for this attribute. Each pair of octets indicates a different regu-
                latory class and channel nu,mber number for this request. The detailed for-
                mat for this list of channels ls described in 7.3.2.6670.3"
        DEFVAL { ''H }
```

```
        ::= { dot11WNMLCIReportEntry dot11WNMLocConfigReportEntry 5 }

dot11WNMLCIRprtLCISubElementID dot11WNMLocConfigRprtLocIndBcastRate OBJECT-TYPE
        SYNTAX INTEGER (0..25565535)
        UNITS "0.5Mbps"
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the specific Location Parameters subelement ID
                transmitted in the LCI Request frame for this Report. Additional detail and
                exceptions are described in 7.3.2.66.4"
                "This attribute indicates the data rate, in 0.5Mb/s units, at which the STA
                broadcasts its Location Track Notification frames."
        ::= { dot11WNMLCIReportEntry dot11WNMLocConfigReportEntry 6 }

dot11WNMLCIRprtLCIStatus dot11WNMLocConfigRprtStatusConfigSubelemId OBJECT-TYPE
        SYNTAX INTEGER {
                successful(0),
                failedmultipleSubelemIds(10),
                refusedlocationIndicationParams(21),
                incapablelocationIndicationChannels(32),
                cancelledlocationStatus(43),
                }
        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. that the antenna iden-
                tifier is unknown. The value 255 indicates that this measurement was made
                with multiple antennas. The value 1 is used for a STA with only one
                antenna.  STAs with more than one antenna shall assign Antenna IDs to each
                antenna as consecutive, ascending numbers. Each  Antenna ID number repre-
                sents a unique antenna characterized by a fixed relative position,  a fixed
                relative direction and a peak gain for that position and direction."
        ::= { dot11WNMLCIReportEntry 9 }

dot11WNMLCIRprtAntennaGain OBJECT-TYPE
        SYNTAX INTEGER(0..255)
        MAX-ACCESS read-write
        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 in a two's com-
                plement integer in dB.  The value -128 indicates the antenna gain is
                unknown."
        ::= { dot11WNMLCIReportEntry 10 }

dot11WNMLCIRprtRCPI 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 }

dot11WNMLCIRprtRSNI 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 }

dot11WNMLCIRprtMotionIndicator OBJECT-TYPE
        SYNTAX INTEGER {
                stationaryradioInformation(04),
                startOfMotionmotion(15),
                inMotionlocationIndicationBcastDataRate(26),
                endOfMotiontimeOfDeparture(37),
                unknownVendorSpecific(48)
                }
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the state of the motion indicator."
        ::= { dot11WNMLCIReportEntry 13 }

dot11WNMLCIRprtBearing 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."
        DESCRIPTION
                "This attribute is set to a specific Location Parameters subelement ID
                transmitted in a Location Configuration Request frame. If the following
                StatusResult attribute field value applies to more than one subelement then
                the Config subelement ID is set to 0. If the Status field value applies to
                one subelement, then a Location Status subelement may be included in the
                Location Configuration Response for each configuration subelement that has
                a non-Success Status value."
        ::= { dot11WNMLCIReportEntry 14 dot11WNMLocConfigReportEntry 7 }

dot11WNMLCIRprtSpeedUnits dot11WNMLocConfigRprtStatusResult 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 }

dot11WNMLCIRprtHorizontalSpeed OBJECT-TYPE
        SYNTAX INTEGERINTEGER (0..255)
        MAX-ACCESS read-only 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."
        ::= { dot11WNMLCIReportEntry 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."
        ::= { dot11WNMLCIReportEntry 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."
        DESCRIPTION
            "This attribute contains the resulting status of the Location Configuration
      Request frame for the indicated Location Parameter subelement ID, as listed in Table
      7-43v, Event Report Status."
    ::= { dot11WNMLCIReportEntry 19 dot11LocationServicesEntry 8 }

dot11WNMLCIRprtTODTolerance dot11WNMLocConfigRprtVendorSpecificRprtContent OBJECT-TYPE
TYPE
        SYNTAX OCTET STRING (SIZE(20..255))
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the 95% tolerance of the TOD Timestamp field
                value"
        ::= { dot11WNMLCIReportEntry 20 }

dot11WNMLCIRprtTODClockRate OBJECT-TYPE
        SYNTAX INTEGER
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the clock rate used to generate the values
                included in the TOD timestamp field.  Details are provided in 7.3.2.66.8."
        ::= { dot11WNMLCIReportEntry 21 }

dot11WNMLCIRprtVendorSpecificRprtContent 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 subele-
                ments which may be included in LCI report Location Configuration Report
                element. Zero length is the null default for this attribute."
        DEFVAL { ''H }
        ::= { dot11WNMLCIReportEntry 22 dot11WNMLocConfigReportEntry 9 }

-- ************************************************************************
-- * End of dot11WNMLCIReport dot11WNMLocConfigReport TABLE
-- ************************************************************************

-- ************************************************************************
-- * dot11WNMBssTransitReport TABLE
-- ************************************************************************
        dot11WNMBssTransitReportTable OBJECT-TYPE
        SYNTAX SEQUENCE OF Dot11WNMBssTransitReportEntry
        MAX-ACCESS not-accessible
        STATUS current
```

```
        DESCRIPTION
                "Group contains the current list of BSS Transition Management reports that
                have been received by the MLME. The report tables shall be maintained as
                FIFO to preserve freshness, thus the rows in this table can be deleted for
                memory constraints or other implementation constraints determined by the
                vendor. New rows shall have different RprtIndex values than those deleted
                within the range limitation of the index. One easy way is to monotonically
                increase RprtIndex for new reports being written in the table."
        ::= { dot11WNMReport 14 }

dot11WNMBssTransitReportEntry OBJECT-TYPE
        SYNTAX Dot11WNMBssTransitReportEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "An entry in the dot11WNMBssTransitReportTable Indexed by
                dot11WNMBssTransitRprtIndex."
        INDEX { dot11WNMBssTransitRprtIndex }
        ::= { dot11WNMBssTransitReportTable 1 }

Dot11WNMBssTransitReportEntry ::=
        SEQUENCE {
                dot11WNMBssTransitRprtIndex                     Unsigned32,
                dot11WNMBssTransitRprtRqstToken                 OCTET STRING,
                dot11WNMBssTransitRprtIfIndex                   InterfaceIndex,
                dot11WNMBssTransitRprtStatusdot11WNMBssTransitRprtStatusCodeINTEGER,
                dot11WNMBssTransitRprtBSSTerminationDelay       INTEGER,
                dot11WNMBssTransitRprtTargetBssid               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 dot11WNMRqstToken attribute. Note that there may be
                multiple entries in the table that match this value since a single request
                may generate multiple WNM reports."
        ::= { dot11WNMBssTransitReportEntry 2 }

dot11WNMBssTransitRprtIfIndex OBJECT-TYPE
        SYNTAX InterfaceIndex
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
                "The ifIndex for this row of WNMBssTransit Report has been received on."
        ::= { dot11WNMBssTransitReportEntry 3 }

dot11WNMBssTransitRprtStatus dot11WNMBssTransitRprtStatusCode 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 4 }

dot11WNMBssTransitRprtTargetBssid dot11WNMBssTransitRprtBSSTerminationDelay OBJECT-TYPE
```

```
        SYNTAX INTEGER (1..255)
        UNITS "minutes"
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the number of minutes that the responding STA
                requests the BSS to delay termination. This attribute is included only if
                the Status Code field value is set to 5."
        ::= { dot11WNMBssTransitReportEntry 5 }

dot11WNMBssTransitRprtTargetBssid OBJECT-TYPE
        SYNTAX MacAddress
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the target BSSID for this BSS Transition Report."
        ::= { dot11WNMBssTransitReportEntry 5 6 }

-- ********************************************************************
-- * End of dot11WNMBssTransitReport TABLE
-- ********************************************************************

-- ********************************************************************
-- * dot11WNMColocInterfReport TABLE
-- ********************************************************************
        dot11WNMColocInterfReportTable OBJECT-TYPE
        SYNTAX SEQUENCE OF Dot11WNMColocInterfReportEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "Group contains the current list of Collocated Interference reports that
                have been received by the MLME. The report tables shall be maintained as
                FIFO to preserve freshness, thus the rows in this table can be deleted for
                memory constraints or other implementation constraints determined by the
                vendor. New rows shall have different RprtIndex values than those deleted
                within the range limitation of the index. One easy way is to monotonically
                increase RprtIndex for new reports being written in the table."
        ::= { dot11WNMReport 16 }

dot11WNMColocInterfReportEntry OBJECT-TYPE
        SYNTAX Dot11WNMColocInterfReportEntry
        MAX-ACCESS not-accessible
        STATUS current
        DESCRIPTION
                "An entry in the dot11WNMColocInterfReportTable Indexed by
                dot11WNMColocInterfRprtIndex."
        INDEX { dot11WNMColocInterfRprtIndex }
        ::= { dot11WNMColocInterfReportTable 1 }

Dot11WNMColocInterfReportEntry ::=
        SEQUENCE {
                dot11WNMColocInterfRprtIndex                    Unsigned32,
                dot11WNMColocInterfRprtRqstToken                OCTET STRING,
                dot11WNMColocInterfRprtIfIndex                  InterfaceIndex,
                dot11WNMColocInterfRprtPeriod                   INTEGER,
                dot11WNMColocInterfRprtInterfLevel              INTEGER,
                dot11WNMColocInterfRprtInterfAccuracy           INTEGER,
                dot11WNMColocInterfRprtInterfIndex              INTEGER,
                dot11WNMColocInterfRprtInterfInterval           Integer32,
                dot11WNMColocInterfRprtInterfBurstLength        Integer32,
                dot11WNMColocInterfRprtInterfStartTime          Integer32,
                dot11WNMColocInterfRprtInterfCenterFreq         INTEGER,
                dot11WNMColocInterfRprtInterfBandwidth          INTEGER }

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

```
dot11WNMColocInterfRprtRqstToken OBJECT-TYPE
        SYNTAX OCTET STRING
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
                "This 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 periodically
                reports the collocated interference. The field is in units of 100 TUs. If
                the Report Period field is set to 0, then the reporting is not periodic,
                and a report is generated when the STA detects a change in the collocated
                interference. See 11.2022.11 8 for further details."
        ::= { dot11WNMColocInterfReportEntry 4 }

dot11WNMColocInterfRprtInterfLevel OBJECT-TYPE
        SYNTAX INTEGER(0-128..255127)
        UNITS "dBm"
        MAX-ACCESS read-only
        STATUS current
        DESCRIPTION
                "This attribute indicates contains a signed integer indicating the maximum
                level of the collocated interference power in a 2's complement signed inte-
                ger in units of dBm over all receive chains averaged over a 4  s period
                during an interference periodperiod and across interference bandwidth. When
                the interference level is unknown, the field is set to +127dBm127 dBm. When
                the interference level is equal or greater than 126dBm126 dBm, the field is
                set to +126dBm126 dBm. If no collocated interference is present the field
                is set to -128 dBm. When the interference level is equal or lower than -127
                dBm, the field is set to -127 dBm. The interference level is referenced to
                the antenna connector (see definition 3.174) used for reception, like
                RCPI."
        ::= { 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-
                racy of the estimate of interference in dB with 95% confidence interval. If
                the Interference Level field is X (dBm) and the expected accuracy field is
                Y (dB), the actual interference level is in the range of [X - Y, X +Y] with
                the probability of 95%. If the accuracy is unknown then the Expected Accu-
                racy 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 collo-
                cated interference is present. See 11.2022.11 8 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 2322E32-2 the field is set to 2E32-2. If no collocated interference is
                present the field is set to 0."
        ::= { dot11WNMColocInterfReportEntry 8 }

dot11WNMColocInterfRprtInterfBurstLength OBJECT-TYPE
        SYNTAX Integer32
        UNITS "microseconds"
        MAX-ACCESS read-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 2, the field is set to 2E32-2. If no
                collocated interference is present the field is set to 0."
        ::= { dot11WNMColocInterfReportEntry 9 }

dot11WNMColocInterfRprtInterfStartTime OBJECT-TYPE
        SYNTAX Integer32
        MAX-ACCESS read-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 interference burst. When either the
                Interference Interval or the Interference Burst Length fields are set to
                2E32-1, this field indicates the average duty cycle. The average duty cycle
                value is defined as Round-to-Integer ((2E32-2)[average interference burst
                length (microsecond)]/[average interference interval (microsecond)]). When
                the interference is non-periodic the Interference Start Time field is set
                to 0. If no collocated interference is present the field is set to 0."
        ::= { dot11WNMColocInterfReportEntry 10 }

dot11WNMColocInterfRprtInterfCenterFreq OBJECT-TYPE
        SYNTAX INTEGER (0..65535)
        SYNTAX Integer32
        UNITS "2 MHz5 kHz"
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "This attribute indicates the center frequency of interference in 2
                MHzunits of 5 kHz. When center frequency is unknown or interference covers
                the whole channelunknown, the center frequency of the STA's operating chan-
                nel is reported. If no collocated interference is present the field is set
                to 0."
        ::= { dot11WNMColocInterfReportEntry 11 }

dot11WNMColocInterfRprtInterfBandwidth OBJECT-TYPE
        SYNTAX INTEGER (0..65535)
        UNITS "5 kHz"
        MAX-ACCESS read-create
        STATUS current
        DESCRIPTION
                "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 collo-
                cated interference is present the field is set to 0."
```

```
        ::= { dot11WNMColocInterfReportEntry 12 }

-- ************************************************************************
-- * End of dot11WNMColocInterfReport TABLE
-- ************************************************************************


dot11SMTWNMRequest OBJECT-GROUP
        OBJECTS { dot11WNMRqstIndex,
                  dot11WNMRqstTokendot11WNMRqstRowStatus,
                  dot11WNMRqstIfIndexdot11WNMRqstToken,
                  dot11WNMRqstTypedot11WNMRqstIfIndex,
                  dot11WNMRqstTargetAdddot11WNMRqstType,
                  dot11RRMRqstTimeStampdot11WNMRqstTargetAdd,
                  dot11WNMRqstRndIntervaldot11WNMRqstTimeStamp,
                  dot11WNMRqstDurationdot11WNMRqstRndInterval,
                  dot11WNMRqstMcstGroupdot11WNMRqstDuration,
                  dot11WNMRqstMcstTrigCondot11WNMRqstMcstGroup,
                  dot11WNMRqstMcstRprtTimeoutdot11WNMRqstMcstTrigCon,
                  dot11WNMRqstMcstTrigTimeoutdot11WNMRqstMcstRprtTimeout,
                  dot11WNMRqstLCRRqstSubjectdot11WNMRqstMcstTrigTimeout,
                  dot11WNMRqstLCRIntervalUnitsdot11WNMRqstLCRRqstSubject,
                  dot11WNMRqstLCRServiceIntervaldot11WNMRqstLCRIntervalUnits,
                  dot11WNMRqstLIRRqstSubjectdot11WNMRqstLCRServiceInterval,
                  dot11WNMRqstLIRIntervalUnitsdot11WNMRqstLIRRqstSubject,
                  dot11WNMRqstLIRServiceIntervaldot11WNMRqstLIRIntervalUnits,
                  dot11WNMRqstEventTokendot11WNMRqstLIRServiceInterval,
                  dot11WNMRqstEventTypedot11WNMRqstEventToken,
                  dot11WNMRqstEventResponseLimitdot11WNMRqstEventType,
                  dot11WNMRqstEventTargetBssiddot11WNMRqstEventResponseLimit,
                  dot11WNMRqstEventSourceBssiddot11WNMRqstEventTargetBssid,
                  dot11WNMRqstEventTransitTimeThreshdot11WNMRqstEventSourceBssid,
                  dot11WNMRqstEventTransitMatchValuedot11WNMRqstEventTransitTimeThresh,
                  dot11WNMRqstEventFreqTransitCountThreshdot11WNMRqstEventTransitMatchValue,
                  dot11WNMRqstEventFreqTransitIntervaldot11WNMRqstEventFreqTransitCountThresh
                  ,
                  dot11WNMRqstEventRsnaAuthTypedot11WNMRqstEventFreqTransitInterval,
                  dot11WNMRqstEapTypedot11WNMRqstEventRsnaAuthType,
                  dot11WNMRqstEapVendorIddot11WNMRqstEapType,
                  dot11WNMRqstEapVendorTypedot11WNMRqstEapVendorId,
                  dot11WNMRqstEventRsnaMatchValuedot11WNMRqstEapVendorType,
                  dot11WNMRqstEventPeerMacAddressdot11WNMRqstEventRsnaMatchValue,
                  dot11WNMRqstChanNumberdot11WNMRqstEventPeerMacAddress,
                  dot11WNMRqstRegulatoryClassdot11WNMRqstChanNumber,
                  dot11WNMRqstChanNumberdot11WNMRqstRegulatoryClass,
                  dot11WNMRqstDiagTokendot11WNMRqstChanNumber,
                  dot11WNMRqstDiagTypedot11WNMRqstDiagToken,
                  dot11WNMRqstDiagTimeoutdot11WNMRqstDiagType,
                  dot11WNMRqstDiagBssiddot11WNMRqstDiagTimeout,
                  dot11WNMRqstDiagProfileIddot11WNMRqstDiagBssid,
                  dot11WNMRqstDiag8021xCredentialsdot11WNMRqstDiagProfileId,
                  dot11WNMRqstLCILocIndParamsdot11WNMRqstDiagCredentials,
                  dot11WNMRqstLCIChanListdot11WNMRqstLocConfigLocIndParams,
                  dot11WNMRqstLCIBcastRatedot11WNMRqstLocConfigChanList,
                  dot11WNMRqstBssTransitQueryReasondot11WNMRqstLocConfigBcastRate,
                  dot11WNMRqstBssTransitReqModedot11WNMRqstBssTransitQueryReason,
                  dot11WNMRqstBssTransitDisocTimerdot11WNMRqstBssTransitReqMode,
                  dot11WNMRqstBssTransitValidIterval dot11WNMRqstBssTransitDisocTimer,
                  dot11WNMRqstBssTransitCandidateLisdot11WNMRqstBssTransitSessInfoURL,
                  dot11WNMRqstColocInterfAutoEnabledot11WNMRqstBssTransitCandidateLis,
                  dot11WNMRqstColocInterfRptTimeoutdot11WNMRqstColocInterfAutoEnable,
                  dot11WNMRqstVendorSpecificdot11WNMRqstColocInterfRptTimeout,
                  dot11RRMRqstVendorSpecific dot11WNMRqstVendorSpecific }
        STATUS current
        DESCRIPTION
                "The SMTWNMRequest package is a set of attributes that shall be present
                if the STA supports the WNM service."
        ::= { dot11Groups 54 }
```

EDITORIAL NOTE—dot11Groups number assignment needs to be coordinated.

```
dot11SMTWNMReport OBJECT-GROUP
        OBJECTS { dot11WNMVendorSpecificRprtIndex,
                  dot11WNMVendorSpecificRprtRqstToken,
                  dot11WNMVendorSpecificRprtIfIndex,
                  dot11WNMVendorSpecificRprtContent,
                  dot11WNMMulticastDiagnosticRprtIndex,
                  dot11WNMMulticastDiagnosticRprtRqstToken,
                  dot11WNMMulticastDiagnosticRprtIfIndex,
                  dot11WNMMulticastDiagnosticRprtMeasurementTime,
                  dot11WNMVendorSpecificRprtRqstTokendot11WNMMulticastDiagnosticRprtDuration,
                  dot11WNMVendorSpecificRprtRqstTokendot11WNMMulticastDiagnosticRprtMcstGroup
                  ,
                  dot11WNMVendorSpecificRprtIfIndexdot11WNMMulticastDiagnosticRprtReason,
                  dot11WNMVendorSpecificRprtContentdot11WNMMulticastDiagnosticRprtRcvdMsduCou
                  nt,
                  dot11WNMMulticastDiagnosticRprtIndexdot11WNMMulticastDiagnosticRprtFirstSeq
                  Number,
                  dot11WNMMulticastDiagnosticRprtRqstTokendot11WNMMulticastDiagnosticRprtLast
                  SeqNumber,
                  dot11WNMMulticastDiagnosticRprtIfIndexdot11WNMMulticastDiagnosticRprt,
                  dot11WNMMulticastDiagnosticRprtMeasurementTimedot11WNMLocationCivicRprtInde
                  x,
                  dot11WNMMulticastDiagnosticRprtDurationdot11WNMLocationCivicRprtRqstToken,
                  dot11WNMMulticastDiagnosticRprtMcstGroupdot11WNMLocationCivicRprtIfIndex,
                  dot11WNMMulticastDiagnosticRprtReasondot11WNMLocationCivicRprtContent,
                  dot11WNMMulticastDiagnosticRprtRcvdMsduCountdot11WNMLocationCivicRprtCivicL
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                  dot11WNMMulticastDiagnosticRprtFirstSeqNumberdot11WNMLocationIdentifierRprt
                  Index,
                  dot11WNMMulticastDiagnosticRprtLastSeqNumberdot11WNMLocationIdentifierRprtR
                  qstToken,
                  dot11WNMMulticastDiagnosticRprtMcstRate
                  dot11WNMLocationIdentifierRprtIfIndex,
                  dot11WNMLocationIdentifierRprtExpirationTSF,
                  dot11WNMLocationIdentifierRprtPublicIdUri,
                  dot11WNMEventTransitRprtIndex,
                  dot11WNMEventTransitRprtRqstToken,
                  dot11WNMLocationCivicRprtIndexdot11WNMEventTransitRprtIfIndex,
                  dot11WNMLocationCivicRprtRqstTokendot11WNMEventTransitRprtEventStatus,
                  dot11WNMLocationCivicRprtIfIndexdot11WNMEventTransitRprtEventTSF,
                  dot11WNMLocationCivicRprtContentdot11WNMEventTransitRprtTimeValue,
                  dot11WNMLocationCivicRprtLocXAccuracydot11WNMEventTransitRprtTimeError,
                  dot11WNMLocationCivicRprtLocYAccuracydot11WNMEventTransitRprtSourceBssid,
                  dot11WNMLocationCivicRprtLocZAccuracydot11WNMEventTransitRprtTargetBssid,
                  dot11WNMLocationCivicRprtCivicLocationdot11WNMEventTransitRprtTransitTime,
                  dot11WNMLocationIdentifierRprtIndexdot11WNMEventTransitRprtTransitReason,
                  dot11WNMLocationIdentifierRprtRqstTokendot11WNMEventTransitRprtTransitResul
                  t,
                  dot11WNMLocationIdentifierRprtIfIndexdot11WNMEventTransitRprtSourceRCPI,
                  dot11WNMLocationIdentifierRprtPublicIdUridot11WNMEventTransitRprtSourceRSNI
                  ,
                  dot11WNMEventTransitRprtIndexdot11WNMEventTransitRprtTargetRCPI,
                  dot11WNMEventTransitRprtRqstTokendot11WNMEventTransitRprtTargetRSNI,
                  dot11WNMEventTransitRprtIfIndexdot11WNMEventRsnaRprtIndex,
                  dot11WNMEventTransitRprtSourceBssiddot11WNMEventRsnaRprtRqstToken,
                  dot11WNMEventTransitRprtTargetBssiddot11WNMEventRsnaRprtIfIndex,
                  dot11WNMEventTransitRprtTransitTimedot11WNMEventRsnaRprtEventStatus,
                  dot11WNMEventTransitRprtTransitReasondot11WNMEventRsnatRprtEventTSF,
                  dot11WNMEventTransitRprtTransitResultdot11WNMEventRsnaRprtTimeValue,
                  dot11WNMEventTransitRprtSourceRCPIdot11WNMEventRsnatRprtTimeError,
                  dot11WNMEventTransitRprtSourceRSNIdot11WNMEventRsnaRprtTargetBssid,
                  dot11WNMEventTransitRprtTargetRCPIdot11WNMEventRsnaRprtAuthType,
                  dot11WNMEventTransitRprtTargetRSNIdot11WNMEventRsnaRprtEapMethod,
                  dot11WNMEventRsnaRprtIndexdot11WNMEventRsnaRprtResult,
                  dot11WNMEventRsnaRprtRqstTokendot11WNMEventRsnaRprtRsnElement,
                  dot11WNMEventRsnaRprtIfIndexdot11WNMEventPeerRprtIndex,
                  dot11WNMEventRsnaRprtTargetBssiddot11WNMEventPeerRprtRqstToken,
                  dot11WNMEventRsnaRprtAuthTypedot11WNMEventPeerRprtIfIndex,
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dot11WNMEventRsnaRprtEapMethoddot11WNMEventPeerRprtEventStatus,
dot11WNMEventRsnaRprtResultdot11WNMEventPeerRprtEventTSF,
dot11WNMEventRsnaRprtRsnElementdot11WNMEventPeerRprtTimeValue,
dot11WNMEventPeerRprtIndexdot11WNMEventPeerRprtTimeError,
dot11WNMEventPeerRprtRqstTokendot11WNMEventPeerRprtPeerMacAddress,
dot11WNMEventPeerRprtIfIndexdot11WNMEventPeerRprtRegulatoryClass,
dot11WNMEventPeerRprtPeerMacAddressdot11WNMEventPeerRprtChanNumber,
dot11WNMEventPeerRprtRegulatoryClassdot11WNMEventPeerRprtStaTxPower,
dot11WNMEventPeerRprtChanNumberdot11WNMEventPeerRprtConnTime,
dot11WNMEventPeerRprtStaTxPowerdot11WNMEventPeerRprtPeerStatus,
dot11WNMEventPeerRprtConnTimedot11WNMEventWNMLogRprtIndex,
dot11WNMEventPeerRprtPeerStatusdot11WNMEventWNMLogRprtRqstToken,
dot11WNMEventWNMLogRprtIndexdot11WNMEventWNMLogRprtIfIndex,
dot11WNMEventWNMLogRprtRqstTokendot11WNMEventWNMLogRprtEventStatus,
dot11WNMEventWNMLogRprtIfIndexdot11WNMEventWNMLogRprtEventTSF,
dot11WNMEventWNMLogRprtContentdot11WNMEventWNMLogRprtTimeValue,
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dot11WNMDiagMfrInfoRprtMfrOuidot11WNMDiagMfrInfoRprtRqstToken,
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dot11WNMDiagMfrInfoRprtMfrSerialNumberStringdot11WNMDiagMfrInfoRprtMfrOi,
dot11WNMDiagMfrInfoRprtMfrFirmwareVersiondot11WNMDiagMfrInfoRprtMfrIdString
,
dot11WNMDiagMfrInfoRprtMfrAntennaTypedot11WNMDiagMfrInfoRprtMfrModelString,
dot11WNMDiagMfrInfoRprtMfrAntennaGaindot11WNMDiagMfrInfoRprtMfrSerialNumber
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dot11WNMDiagConfigProfRprtIndexdot11WNMDiagMfrInfoRprtMfrFirmwareVersion,
dot11WNMDiagConfigProfRprtRqstTokendot11WNMDiagMfrInfoRprtMfrAntennaType,
dot11WNMDiagConfigProfRprtIfIndexdot11WNMDiagMfrInfoRprtCollocRadioType,
dot11WNMDiagConfigProfRprtProfileIddot11WNMDiagMfrInfoRprtDeviceType,
dot11WNMDiagConfigProfRprtSupportedRegClassesdot11WNMDiagConfigProfRprtInde
x,
dot11WNMDiagConfigProfRprtTxPowerModedot11WNMDiagConfigProfRprtRqstToken,
dot11WNMDiagConfigProfRprtTxPowerLevelsdot11WNMDiagConfigProfRprtIfIndex,
dot11WNMDiagConfigProfRprtCipherSuitedot11WNMDiagConfigProfRprtEventStatus,
dot11WNMDiagConfigProfRprtAkmSuitedot11WNMDiagConfigProfRprtProfileId,
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dot11WNMDiagConfigProfRprtSSIDdot11WNMDiagConfigProfRprtTxPowerMode,
dot11WNMDiagConfigProfRprtPowerSaveModedot11WNMDiagConfigProfRprtTxPowerLev
els,
dot11WNMDiagAssocRprtIndexdot11WNMDiagConfigProfRprtCipherSuite,
dot11WNMDiagAssocRprtRqstTokendot11WNMDiagConfigProfRprtAkmSuite,
dot11WNMDiagAssocRprtIfIndexdot11WNMDiagConfigProfRprtEapType,
dot11WNMDiagAssocRprtBssiddot11WNMDiagConfigProfRprtEapVendorID,
dot11WNMDiagAssocRprtRegulatoryClassdot11WNMDiagConfigProfRprtEapVendorType
,
dot11WNMDiagAssocRprtChannelNumberdot11WNMDiagConfigProfRprtCredentialType,
dot11WNMDiagAssocRprtStatusCodedot11WNMDiagConfigProfRprtSSID,
dot11WNMDiag8021xAuthRprtIndexdot11WNMDiagConfigProfRprtPowerSaveMode,
dot11WNMDiag8021xAuthRprtRqstTokendot11WNMDiagAssocRprtIndex,
dot11WNMDiag8021xAuthRprtIfIndexdot11WNMDiagAssocRprtRqstToken,
dot11WNMDiag8021xAuthRprtBssiddot11WNMDiagAssocRprtIfIndex,
dot11WNMDiag8021xAuthRprtRegulatoryClassdot11WNMDiagAssocRprtEventStatus,
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dot11WNMDiag8021xAuthRprt8021xCredentialsdot11WNMDiagAssocRprtChannelNumber
,
dot11WNMDiag8021xAuthRprtStatusCodedot11WNMDiagAssocRprtStatusCode,
dot11WNMLCIRprtIndexdot11WNMDiag8021xAuthRprtIndex,
dot11WNMLCIRprtRqstTokendot11WNMDiag8021xAuthRprtRqstToken,
dot11WNMLCIRprtIfIndexdot11WNMDiag8021xAuthRprtIfIndex,
dot11WNMLCIRprtLocIndParamsdot11WNMDiag8021xAuthRprtEventStatus,
dot11WNMLCIRprtLCIChanListdot11WNMDiag8021xAuthRprtBssid,
dot11WNMLCIRprtLCISubElementIDdot11WNMDiag8021xAuthRprtRegulatoryClass,
dot11WNMLCIRprtLCIStatusdot11WNMDiag8021xAuthRprtChannelNumber,
dot11WNMLCIRprtTxPowerdot11WNMDiag8021xAuthRprtEapType,
dot11WNMLCIRprtAntennaIDdot11WNMDiag8021xAuthRprtEapVendorID,
dot11WNMLCIRprtAntennaGaindot11WNMDiag8021xAuthRprtEapVendorType,
dot11WNMLCIRprtRCPIdot11WNMDiag8021xAuthRprtCredentialType,

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            dot11WNMLCIRprtRSNIdot11WNMDiag8021xAuthRprtStatusCode,
            dot11WNMLCIRprtMotionIndicatordot11WNMLocConfigRprtIndex,
            dot11WNMLCIRprtBearingdot11WNMLocConfigRprtRqstToken,
            dot11WNMLCIRprtSpeedUnitsdot11WNMLocConfigRprtIfIndex,
            dot11WNMLCIRprtHorizontalSpeeddot11WNMLocConfigRprtLocIndParams,
            dot11WNMLCIRprtVerticalSpeeddot11WNMLocConfigRprtLocIndChanList,
            dot11WNMLCIRprtLCIBcastRatedot11WNMLocConfigRprtLocIndBcastRate,
            dot11WNMLCIRprtTODTimestampdot11WNMLocConfigRprtStatusConfigSubelemId,
            dot11WNMLCIRprtTODTolerancedot11WNMLocConfigRprtStatusResult,
            dot11WNMLCIRprtTODClockRatedot11WNMLocConfigRprtVendorSpecificRprtContent,
            dot11WNMLCIRprtVendorSpecificRprtContentdot11WNMBssTransitRprtIndex,
            dot11WNMBssTransitRprtIndexdot11WNMBssTransitRprtRqstToken,
            dot11WNMBssTransitRprtRqstTokendot11WNMBssTransitRprtIfIndex,
            dot11WNMBssTransitRprtIfIndexdot11WNMBssTransitRprtStatus,
            dot11WNMBssTransitRprtStatusdot11WNMBssTransitRprtBSSTerminationDelay,
            dot11WNMBssTransitRprtTargetBssid,
            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 WNM service."
    ::= { dot11Groups 55 }
```

EDITORIAL NOTE—dot11Groups number assignment needs to be coordinated.