

Annex D

(normative)

ASN.1 encoding of the MAC and PHY MIB

Change the “Dot11StationConfigEntry” of the “dotStationConfig TABLE” as follows:

```

11  -- *****
12  -- * dotStationConfig TABLE
13  -- *****
14  Dot11StationConfigEntry ::=
15  SEQUENCE {
16      dot11StationID                MacAddress,
17      dot11MediumOccupancyLimit     INTEGER,
18      dot11CFPollable               TruthValue,
19      dot11CFPeriod                 INTEGER,
20      dot11CFPMaxDuration           INTEGER,
21      dot11AuthenticationResponseTimeout Unsigned32,
22      dot11PrivacyOptionImplemented TruthValue,
23      dot11PowerManagementMode     INTEGER,
24      dot11DesiredSSID              OCTET STRING,
25      dot11DesiredBSSType           INTEGER,
26      dot11OperationalRateSet       OCTET STRING,
27      dot11BeaconPeriod             INTEGER,
28      dot11DTIMPeriod              INTEGER,
29      dot11AssociationResponseTimeout Unsigned32,
30      dot11DisassociateReason       INTEGER,
31      dot11DisassociateStation      MacAddress,
32      dot11DeauthenticateReason     INTEGER,
33      dot11DeauthenticateStation    MacAddress,
34      dot11AuthenticateFailStatus   INTEGER,
35      dot11AuthenticateFailStation  MacAddress,
36      dot11MultiDomainCapabilityImplemented TruthValue,
37      dot11MultiDomainCapabilityEnabled TruthValue,
38      dot11CountryString            OCTET STRING,
39      dot11SpectrumManagementImplemented TruthValue,
40      dot11SpectrumManagementRequired TruthValue,
41      dot11RSNAOptionImplemented    TruthValue,
42      dot11RSNAPreauthenticationImplemented TruthValue,
43      dot11RegulatoryClassesImplemented TruthValue,
44      dot11RegulatoryClassesRequired TruthValue,
45      dot11QosOptionImplemented      TruthValue,
46      dot11ImmediateBlockAckOptionImplemented TruthValue,
47      dot11DelayedBlockAckOptionImplemented TruthValue,
48      dot11DirectOptionImplemented  TruthValue,
49      dot11APSDOptionImplemented    TruthValue,
50      dot11QAckOptionImplemented     TruthValue,
51      dot11QBSSLoadOptionImplemented TruthValue,
52      dot11QueueRequestOptionImplemented TruthValue,
53      dot11TXOPRequestOptionImplemented TruthValue,
54      dot11MoreDataAckOptionImplemented TruthValue,
55      dot11AssociatedInQBSS          TruthValue,
56      dot11DLSAllowedInQBSS         TruthValue,
57      dot11DLSAllowed               TruthValue,
58      dot11AssociateStation          MacAddress,
59      dot11AssociateID               INTEGER,
60      dot11AssociateFailStation      MacAddress,
61      dot11AssociateFailStatus       INTEGER,
62      dot11ReassociateStation        MacAddress,
63      dot11ReassociateID             INTEGER,
64      dot11ReassociateFailStation    MacAddress,
65      dot11ReassociateFailStatus     INTEGER,
66      dot11RadioMeasurementCapable   TruthValue,
67      dot11RadioMeasurementEnabled   TruthValue,
68      dot11RadioMeasurementProbeDelay INTEGER,
69      dot11MeasurementPilotReceptionEnabled TruthValue,
70      dot11MeasurementPilotTransmissionEnabled TruthValue,

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1      dot11MeasurementPilotTransmissionVirtualApSetEnabled TruthValue,
2      dot11MeasurementPilotPeriod INTEGER,
3      dot11LinkMeasurementEnabled TruthValue,
4      dot11NeighborReportEnabled TruthValue,
5      dot11ParallelMeasurementsEnabled TruthValue,
6      dot11TriggeredMeasurementsEnabled TruthValue,
7      dot11RepeatedMeasurementsEnabled TruthValue,
8      dot11MeasurementPauseEnabled TruthValue,
9      dot11QuietIntervalEnabled TruthValue,
10     dot11PassiveBeaconMeasurementEnabled TruthValue,
11     dot11ActiveBeaconMeasurementEnabled TruthValue,
12     dot11TableBeaconMeasurementEnabled TruthValue,
13     dot11ReportingConditionsEnabled TruthValue,
14     dot11FrameMeasurementEnabled TruthValue,
15     dot11ChannelLoadEnabled TruthValue,
16     dot11NoiseHistogramEnabled TruthValue,
17     dot11StatisticsReportEnabled TruthValue,
18     dot11LCIRReportEnabled TruthValue,
19     dot11TransmitStreamMeasurementEnabled TruthValue,
20     dot11APChannelReportEnabled TruthValue,
21     dot11AnnexQMIBSupportEnabled TruthValue,
22     dot11NonOperatingChannelMeasurementsEnabled TruthValue,
23     dot11MaximumMeasurementDuration Unsigned32,
24     dot11MeasurementPilotSupport Unsigned32,
25     dot11FastBSSTransitionImplemented TruthValue,
26     dot11LCIDSEImplemented TruthValue,
27     dot11LCIDSERequired TruthValue,
28     dot11DSERequired TruthValue,
29     dot11ExtendedChannelSwitchEnabled TruthValue,
30     dot11HighThroughputOptionImplemented TruthValue,
31     dot11TunneledDirectLinkSetupImplemented TruthValue,
32     dot11TDLSPeerUAPSDImplemented TruthValue,
33     dot11TDLSPeerPSMImplemented TruthValue,
34     dot11TDLSPeerUAPSDIndicationWindow INTEGER,
35     dot11TDLSChannelSwitchingImplemented TruthValue,
36     dot11TDLSPeerSTAMissingAckRetryLimit INTEGER,
37     dot11TDLSResponseTimeout INTEGER,
38     dot11TDLSProbeDelay INTEGER,
39     dot11OCBEnabled TruthValue,
40     dot11WirelessManagementImplemented TruthValue,
41     dot11MaxIdlePeriod dot11BssMaxIdlePeriod INTEGER,
42     dot11TIMBroadcastInterval INTEGER,
43     dot11TIMBroadcastOffset INTEGER,
44     dot11MinTriggerTimeout dot11StatsMinTriggerTimeout INTEGER,
45     dot11RRMCivicMeasurementEnabled TruthValue,
46     dot11RRMIdentifierMeasurementEnabled TruthValue,
47     dot11DMSMaxSTAS INTEGER,
48     dot11DMSMaxChannelLoadForNewService INTEGER,
49     dot11DMSMaxChannelLoad INTEGER,
50     dot11UTCTSFDTIMInterval dot11TimeAdvertisementDTIMInterval INTEGER,
51     dot11UTCTSFQOffsetTimeError dot11TimeAdvertisementTimeError INTEGER,
52     dot11UTCTSFQOffsetTimeValue 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.

```

50     dot11WirelessManagementImplemented OBJECT-TYPE
51         SYNTAX TruthValue
52         MAX-ACCESS read-only
53         STATUS current
54         DESCRIPTION
55             "This attribute, when TRUE, indicates that the station implementation is capable
56             of supporting one or more Wireless Network Management services."
57         DEFVAL { false }
58         ::= { dot11StationConfigEntry 103}
59     dot11MaxIdlePeriod dot11BssMaxIdlePeriod OBJECT-TYPE
60         SYNTAX INTEGER (1..65535)
61         MAX-ACCESS read-write
62         STATUS current
63         DESCRIPTION
64             "This attribute indicates that the number of 1000 TUs that pass before an AP
65             disassociates an inactive non-AP STA. This value is transmitted in the Association
             Response and Reassociation frames."

```

```

1         ::= { dot11StationConfigEntry 104}
2
3 dot11TIMBroadcastInterval OBJECT-TYPE
4     SYNTAX INTEGER (0..255)
5     MAX-ACCESS read-write
6     STATUS current
7     DESCRIPTION
8         "This attribute indicates the smallest active the number of beacon periods
9         between TIM frame transmissions. A value of 0 disables TIM Broadcast for the
10        requesting station."
11        DEFWAL { 0 }
12        ::= { dot11StationConfigEntry 105}
13
14 dot11TIMBroadcastOffset OBJECT-TYPE
15     SYNTAX INTEGER (-2,147,483,648 to 2,147,483,6472147483648..2147483647)
16     MAX-ACCESS read-write
17     STATUS current
18     DESCRIPTION
19         "This attribute indicates the offset in microseconds with a tolerance of +/- 4
20        microseconds relative to the TBTT for which a TIM frame is scheduled for
21        transmission. The field contains a signed integer."
22        DEFWAL { 0 }
23        ::= { dot11StationConfigEntry 106}
24
25 dot11MinTriggerTimeout dot11StatsMinTriggerTimeout OBJECT-TYPE
26     SYNTAX INTEGER (10..7200)
27     UNITS "seconds"
28     MAX-ACCESS read-write
29     STATUS current
30     DESCRIPTION
31         "This attribute indicates the minimum allowable value for Triggered Timeout. A
32        Triggered STA Statistics report is generated by the STA after the timeout if none of
33        the trigger conditions are satisfied."
34        DEFWAL { 10 }
35        ::= { dot11StationConfigEntry 107 }
36
37 dot11RRMCivicMeasurementEnabled OBJECT-TYPE
38     SYNTAX TruthValue
39     MAX-ACCESS read-write
40     STATUS current
41     DESCRIPTION
42         "This attribute, when TRUE, indicates that dot11RadioMeasurementEnabled is TRUE
43        and that the station capability for Location Civic Measurement is enabled. FALSE
44        indicates the station has no Location Civic Measurement capability or that the
45        capability is present but is disabled."
46        DEFWAL { false }
47        ::= { dot11StationConfigEntry 108 }
48
49 dot11RRMIdentifierMeasurementEnabled OBJECT-TYPE
50     SYNTAX TruthValue
51     MAX-ACCESS read-write
52     STATUS current
53     DESCRIPTION
54         "This attribute, when TRUE, indicates that dot11RadioMeasurementEnabled is TRUE
55        and that the station capability for Location Identifier Measurement is enabled.
56        FALSE indicates the station has no Location Identifier Measurement capability or
57        that the capability is present but is disabled."
58        DEFWAL { false }
59        ::= { dot11StationConfigEntry 109 }
60
61 dot11DMSMaxSTAS OBJECT-TYPE
62     SYNTAX INTEGER (1 to 255)
63     MAX-ACCESS read-write
64     STATUS current
65     DESCRIPTION
66         "This attribute indicates the maximum number of STAs which can be granted for
67        Directed Multicast Service (DMS)."
68        DEFWAL { 255 }
69        ::= { dot11StationConfigEntry 110 }
70
71 dot11DMSMaxChannelLoadForNewService OBJECT-TYPE
72     SYNTAX INTEGER (1 to 255)
73     MAX-ACCESS read-write
74     STATUS current
75     DESCRIPTION
76         "This attribute indicates the maximum allowed channel load in which a new
77        Directed Multicast Service (DMS) may be granted. If the current channel load is

```

```

1      larger than or equal to this attribute, the AP shall reject any new DMS
2      service. The channel load measurement is defined in 11.10.8.3 (IEEE 802.11k-2008)."
3      DEFVAL { 255 }
4      ::= { dot11StationConfigEntry 111 }
5
6      dot11DMSMaxChannelLoad OBJECT-TYPE
7          SYNTAX INTEGER (1 to 255)
8          MAX-ACCESS read-write
9          STATUS current
10         DESCRIPTION
11             "This attribute indicates the maximum allowed channel load in which AP can
12             support the existing DMS services. If the current channel load is larger than or
13             equal to this attribute, the AP may terminate some of existing Directed Multicast
14             Services (DMS) to free up the bandwidth that is consumed by the DMS. The value of
15             dot11DMSMaxChannelLoad shall be larger than the value of
16             dot11DMSMaxChannelLoadForNewService. The channel load measurement is defined in
17             11.10.8.3 (IEEE 802.11k-2008)."
18         DEFVAL { 255 }
19         ::= { dot11StationConfigEntry 112 }
20
21 dot11UTCSTSPDTIMInterval-dot11TimeAdvertisementDTIMInterval OBJECT-TYPE
22     SYNTAX INTEGER (1 to 255)
23     UNITS "dtims"
24     MAX-ACCESS read-write
25     STATUS current
26     DESCRIPTION
27         "This attribute indicates the interval in number of DTIMS when the UTC TSP Offset-
28         Time Advertisement element is included in beacon frames."
29     DEFVAL { 1 }
30     ::= { dot11StationConfigEntry 113 }
31
32 dot11UTCSTSPOffsetTimeError-dot11TimeAdvertisementTimeError OBJECT-TYPE
33     OCTET STRING (SIZE(5))
34     MAX-ACCESS read-write
35     STATUS current
36     DESCRIPTION
37         "This attribute indicates the UTC TSP Offset-Time Error value as defined in the
38         Time Advertisement IE Time Error field when the Time Capabilities field is set to 2.
39         This field is included in the Time Advertisement element in Beacon and Probe Response
40         frames."
41     DEFVAL { 0 }
42     ::= { dot11StationConfigEntry 114 }
43
44 dot11UTCSTSPOffsetTimeValue-dot11TimeAdvertisementTimeValue OBJECT-TYPE
45     OCTET STRING (SIZE(109))
46     MAX-ACCESS read-write
47     STATUS current
48     DESCRIPTION
49         "This attribute indicates the UTC TSP Offset-TimeAdvertisement Time Value as
50         defined in the Time Advertisement IE Time Value field when the Time Capabilities
51         field is set to 2. The format is defined in Table 7-37c and is included in the Time
52         Advertisement element in Beacon and Probe Response frames."
53     ::= { dot11StationConfigEntry 115 }
54
55     ..*****
56     --*      dotCounters TABLE
57     ..*****
58
59     Change the "dot11CountersEntry" as follows:
60
61     Dot11CountersEntry ::=
62         SEQUENCE {
63             dot11TransmittedFragmentCount          Counter32,
64             dot11MulticastTransmittedFrameCount    Counter32,
65             dot11FailedCount                        Counter32,
66             dot11RetryCount                         Counter32,
67             dot11MultipleRetryCount                 Counter32,
68             dot11FrameDuplicateCount                Counter32,
69             dot11RTSSuccessCount                    Counter32,
70             dot11RTSFailureCount                    Counter32,
71             dot11ACKFailureCount                    Counter32,
72             dot11ReceivedFragmentCount              Counter32,
73             dot11MulticastReceivedFrameCount        Counter32,
74             dot11FCSErrorCount                      Counter32,
75             dot11TransmittedFrameCount              Counter32,
76             dot11WEPUndecryptableCount              Counter32,
77             dot11QoSdiscardedFragmentCount          Counter32,

```

```

1         dot11AssociatedStationCount           Counter32,
2         dot11QoSFCFPollsReceivedCount        Counter32,
3         dot11QoSFCFPollsUnusedCount          Counter32,
4         dot11QoSFCFPollsUnusableCount        Counter32,
5         dot11QoSFCFPollsLostCount            Counter32,
6         dot11DeniedAssociationCounterDueToBSSLoad Counter32}
7

```

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

```

10 dot11DeniedAssociationCounterDueToBSSLoad OBJECT-TYPE
11     SYNTAX Counter32
12     MAX-ACCESS read-only
13     STATUS current
14     DESCRIPTION
15         "This counter, available at a WNM AP, shall increment when an association
16         or re-association request is denied because the AP has insufficient bandwidth
17         to handle the additional STA."
18     DEFVAL {0}
19     ::= { dot11DeniedAssociationCounterDueToBSSLoad 21}
20

```

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:

```

26 --*****
27 --*Wireless Network Management
28 --*****
29 -- dot11WirelessMgmtOptionsTable ::= { dot11smt 17}
30

```

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

```

34 -- *****
35 -- * dot11WirelessMgmtOptions TABLE
36 -- *****
37 dot11WirelessMgmtOptionsTable OBJECT-TYPE
38     SYNTAX SEQUENCE OF Dot11WirelessMgmtOptionsEntry
39     MAX-ACCESS not-accessible
40     STATUS current
41     DESCRIPTION
42         "Wireless Management attributes. In tabular form to allow for multiple instances
43         on an agent. This table only applies to the interface if
44         dot11WirelessManagementImplemented is set to TRUE in the dot11StationConfigTable.
45         Otherwise this table should be ignored."
46     ::= { dot11smt 17 }
47
48 dot11WirelessMgmtOptionsEntry OBJECT-TYPE
49     SYNTAX Dot11WirelessMgmtOptionsEntry
50     MAX-ACCESS not-accessible
51     STATUS current
52     DESCRIPTION
53         "An entry in the dot11WirelessMgmtOptionsTable. For all Wireless Management
54         features, an enabled-enabled MIB variable is used to enable or disable the
55         corresponding feature. An Implemented-Implemented MIB variable is used for an
56         optional feature to indicate whether the feature is implemented. A mandatory feature
57         does not have a corresponding Implemented-Implemented MIB variable. It is possible
58         for there to be multiple IEEE 802.11 interfaces on one agent, each with its unique
59         MAC address. The relationship between an IEEE 802.11 interface and an interface in
60         the context of the Internet-standard MIB is one-to-one. TheAs such, the value of an
61         ifIndex object instance can be directly used to identify corresponding instances of
62         the objects defined herein. ifIndex - Each IEEE 802.11 interface is represented by an
63         ifEntry. Interface tables in this MIB module are indexed by ifIndex."
64         relationship between an IEEE 802.11 interface and an interface in the context of the
65         Internet standard MIB is one to one. As such, the value of an ifIndex object
66         instance can be directly used to identify corresponding instances of the objects
67         defined herein.
68         ifIndex - Each IEEE 802.11 interface is represented by an ifEntry. Interface tables in
69         this MIB module are indexed by ifIndex."
70     INDEX { ifIndex }
71     ::= { dot11WirelessMgmtOptionsTable 1 }

```

```

1
2 Dot11WirelessMgmtOptionsEntry ::=
3 SEQUENCE {
4     dot11MgmtOptionLocationEnabled          TruthValue,
5     dot11MgmtOptionFMSImplemented          TruthValue,
6     dot11MgmtOptionFMSEnabled              TruthValue,
7     dot11MgmtOptionEventsEnabled           TruthValue,
8     dot11MgmtOptionDiagnosticsEnabled       TruthValue,
9     dot11MgmtOptionMultiBSSIDImplemented    TruthValue,
10    dot11MgmtOptionMultiBSSIDEnabled        TruthValue,
11    dot11MgmtOptionTFSEnabled               TruthValue,
12    dot11MgmtOptionWNMSleepModeImplemented  TruthValue,
13    dot11MgmtOptionWNMSleepModeEnabled      TruthValue,
14    dot11MgmtOptionTIMBroadcastImplemented   TruthValue,
15    dot11MgmtOptionTIMBroadcastEnabled       TruthValue,
16    dot11MgmtOptionProxyARPEnableddot11MgmtOptionProxyARPIImplemented TruthValue,
17    dot11MgmtOptionProxyARPEnabled
18    dot11MgmtOptionProxyARPIImplementedTruthValue,
19    dot11MgmtOptionBSSTransitionEnabled      TruthValue,
20    dot11MgmtOptionQoSSTrafficCapabilityImplemented TruthValue,
21    dot11MgmtOptionQoSSTrafficCapabilityEnabled TruthValue,
22    dot11MgmtOptionACStationCountImplemented TruthValue,
23    dot11MgmtOptionACStationCountEnabled     TruthValue,
24    dot11MgmtOptionMulticastDiagnosticsEnabled TruthValue,
25    dot11MgmtOptionCoLocIntfReportingEnableddot11MgmtOptionCoLocIntfReportingImplemented
26    TruthValue,
27    dot11MgmtOptionCoLocIntfReportingImplementeddot11MgmtOptionCoLocIntfReportingEnabled
28    TruthValue,
29    dot11MgmtOptionLocationTrackNotificationImplemented TruthValue,
30    dot11MgmtOptionLocationTrackNotificationEnabled TruthValue,
31    dot11MgmtOptionMotionDetectionImplemented TruthValue,
32    dot11MgmtOptionMotionDetectionEnabled     TruthValue,
33    dot11MgmtOptionTODImplemented             TruthValue,
34    dot11MgmtOptionTODEnabled                 TruthValue,
35    dot11MgmtOptionTimingMsmtImplemented      TruthValue,
36    dot11MgmtOptionTimingMsmtEnabled          TruthValue,
37    dot11MgmtOptionChannelUsageImplemented    TruthValue,
38    dot11MgmtOptionChannelUsageEnabled        TruthValue,
39    dot11MgmtOptionTriggerSTASStatisticsEnabled TruthValue,
40    dot11MgmtOptionSSIDListImplemented        TruthValue,
41    dot11MgmtOptionSSIDListEnabled            TruthValue,
42    dot11MgmtOptionDMSImplemented             TruthValue,
43    dot11MgmtOptionDMSEnabled                 TruthValue,
44    dot11MgmtOptionUTCTSFOffsetImplementeddot11MgmtOptionTimeAdvertisementImplemented
45    TruthValue,
46    dot11MgmtOptionUTCTSFOffsetEnableddot11MgmtOptionTimeAdvertisementEnabled
47    TruthValue}
48
49 dot11MgmtOptionLocationEnabled OBJECT-TYPE
50     SYNTAX TruthValue
51     MAX-ACCESS read-write
52     STATUS current
53     DESCRIPTION
54     "This attribute, when TRUE, indicates that the capability of the station to
55     provide location is enabled. The capability is disabled, otherwise."
56     DEFVAL { false }
57     ::= { dot11WirelessMgmtOptionsEntry 1 }
58
59 dot11MgmtOptionFMSImplemented OBJECT-TYPE
60     SYNTAX TruthValue
61     MAX-ACCESS read-only
62     STATUS current
63     DESCRIPTION
64     "This attribute, when TRUE, indicates that the station implementation is capable
65     of supporting FMS when the dot11WirelessManagementImplemented is set to TRUE."
66     DEFVAL { false }
67     ::= { dot11WirelessMgmtOptionsEntry 2 }
68
69 dot11MgmtOptionFMSEnabled OBJECT-TYPE
70     SYNTAX TruthValue
71     MAX-ACCESS read-write

```

```

1      STATUS current
2      DESCRIPTION
3      "This attribute, when TRUE, indicates that the capability of the station to
4      provide FMS is enabled. The capability is disabled, otherwise"
5      DEFVAL { false}
6      ::= { dot11WirelessMgmtOptionsEntry 3 }
7
8      dot11MgmtOptionEventsEnabled OBJECT-TYPE
9      SYNTAX TruthValue
10     MAX-ACCESS read-write
11     STATUS current
12     DESCRIPTION
13     "This attribute, when TRUE, indicates that the capability of the station to
14     provide Event Reporting is enabled. The capability is disabled, otherwise"
15     DEFVAL { false}
16     ::= { dot11WirelessMgmtOptionsEntry 4 }
17
18     dot11MgmtOptionDiagnosticsEnabled OBJECT-TYPE
19     SYNTAX TruthValue
20     MAX-ACCESS read-write
21     STATUS current
22     DESCRIPTION
23     "This attribute, when TRUE, indicates that the capability of the station to
24     provide Diagnostic Reporting is enabled. The capability is disabled, otherwise."
25     DEFVAL { false}
26     ::= { dot11WirelessMgmtOptionsEntry 5 }
27
28     dot11MgmtOptionMultiBSSIDImplemented OBJECT-TYPE
29     SYNTAX TruthValue
30     MAX-ACCESS read-only
31     STATUS current
32     DESCRIPTION
33     "This attribute, when TRUE, indicates that the station
34     implementation is capable of supporting Multiple BSSID when the
35     dot11WirelessManagementImplemented is set to TRUE."
36     DEFVAL { false}
37     ::= { dot11WirelessMgmtOptionsEntry 6 }
38
39     dot11MgmtOptionMultiBSSIDEnabled OBJECT-TYPE
40     SYNTAX TruthValue
41     MAX-ACCESS read-write
42     STATUS current
43     DESCRIPTION
44     "This attribute, when TRUE, indicates that the
45     capability of the station to provide Multi BSSID is
46     enabled. The capability is disabled, otherwise."
47     DEFVAL { false}
48     ::= { dot11WirelessMgmtOptionsEntry 7 }
49
50     dot11MgmtOptionTFSImplemented OBJECT-TYPE
51     SYNTAX TruthValue
52     MAX-ACCESS read-only
53     STATUS current
54     DESCRIPTION
55     "This attribute, when TRUE, indicates that the station implementation is
56     capable of supporting TFS when the dot11WirelessManagementImplemented
57     is set to TRUE."
58     DEFVAL { false}
59     ::= { dot11WirelessMgmtOptionsEntry 8 }
60
61     dot11MgmtOptionTFSEnabled OBJECT-TYPE
62     SYNTAX TruthValue
63     MAX-ACCESS read-write
64     STATUS current
65     DESCRIPTION
66     "This attribute, when TRUE, indicates that TFS is enabled. TFS is
67     disabled otherwise."

```

```

1         DEFVAL { false}
2         ::= { dot11WirelessMgmtOptionsEntry 9 }
3
4 dot11MgmtOptionWNMSleepModeImplemented OBJECT-TYPE
5     SYNTAX TruthValue
6     MAX-ACCESS read-only
7     STATUS current
8     DESCRIPTION
9     "This attribute, when TRUE, indicates that the station implementation is capable of
10    supporting WNMSleep Mode when the dot11WirelessManagementImplemented is set to
11    TRUE."
12    DEFVAL { false}
13    ::= { dot11WirelessMgmtOptionsEntry 10 }
14
15 dot11MgmtOptionWNMSleepModeEnabled OBJECT-TYPE
16     SYNTAX TruthValue
17     MAX-ACCESS read-write
18     STATUS current
19     DESCRIPTION
20     "This attribute, when TRUE, indicates that WNMSleep Mode is enabled.
21     WNMSleep Mode is disabled otherwise."
22     DEFVAL { false}
23     ::= { dot11WirelessMgmtOptionsEntry 11 }
24
25 dot11MgmtOptionTIMBroadcastImplemented OBJECT-TYPE
26     SYNTAX TruthValue
27     MAX-ACCESS read-only
28     STATUS current
29     DESCRIPTION
30     "This attribute, when TRUE, indicates that the station implementation is
31     capable of supporting TIM Broadcast when the
32     dot11WirelessManagementImplemented is set to TRUE."
33     DEFVAL { false}
34     ::= { dot11WirelessMgmtOptionsEntry 12}
35
36 dot11MgmtOptionTIMBroadcastEnabled OBJECT-TYPE
37     SYNTAX TruthValue
38     MAX-ACCESS read-write
39     STATUS current
40     DESCRIPTION
41     "This attribute, when TRUE, indicates that TIM broadcast is enabled. TIM
42     broadcast is disabled otherwise."
43     DEFVAL { false}
44     ::= { dot11WirelessMgmtOptionsEntry 13}
45
46
47
48
49 dot11MgmtOptionProxyARPEnabled dot11MgmtOptionProxyARPImplemented OBJECT-TYPE
50     SYNTAX TruthValue
51     MAX-ACCESS read-writeonly
52     STATUS current
53     DESCRIPTION DESCRIPTION
54     "This attribute, when TRUE, indicates that the capability-
55     station implementation is capable of the AP to provide supporting the Proxy ARP
56     service service, when the dot11WirelessManagementImplemented is enabled. The-
57     capability is disabled, otherwise set to TRUE."
58     DEFVAL { false}
59     ::= { dot11WirelessMgmtOptionsEntry 14 }
60
61 dot11MgmtOptionProxyARPImplemented dot11MgmtOptionProxyARPEnabled OBJECT-TYPE
62     SYNTAX TruthValue
63     MAX-ACCESS read-onlywrite
64     STATUS current
65     DESCRIPTIONDESCRIPTION
66     "This attribute, when TRUE, indicates that the station implementation is capable-
67     of supporting the Proxy ARP service, when the dot11WirelessManagementImplemented is-
68     set to TRUE."

```



```

3         "This attribute, when TRUE, indicates that the capability of the AP to
4         provide the Proxy ARP service is enabled. The capability is disabled, otherwise."
5         DEFVAL { false }
6         ::= { dot11WirelessMgmtOptionsEntry 15 }
7
8 dot11MgmtOptionBSSTransitionEnabled OBJECT-TYPE
9     SYNTAX TruthValue
10    MAX-ACCESS read-write
11    STATUS current
12    DESCRIPTION
13        "This attribute, when TRUE, indicates that the capability of the
14        station to provide BSS Transition is enabled. The capability is disabled, otherwise."
15    DEFVAL { false }
16    ::= { dot11WirelessMgmtOptionsEntry 16 }
17
18 dot11MgmtOptionQoSSTrafficCapabilityImplemented OBJECT-TYPE
19     SYNTAX TruthValue
20     MAX-ACCESS read-only
21     STATUS current
22     DESCRIPTION
23         "This attribute, when TRUE, indicates that the station implementation is capable
24         of supporting QoS Traffic Capability when the dot11WirelessManagementImplemented is
25         set to TRUE."
26     DEFVAL { false }
27     ::= { dot11WirelessMgmtOptionsEntry 17 }
28
29 dot11MgmtOptionQoSSTrafficCapabilityEnabled OBJECT-TYPE
30     SYNTAX TruthValue
31     MAX-ACCESS read-write
32     STATUS current
33     DESCRIPTION
34         "This attribute, when TRUE, indicates that the capability of the station to
35         provide QoS Traffic Capability is enabled. QoS Traffic Capability is disabled
36         otherwise."
37     DEFVAL { false }
38     ::= { dot11WirelessMgmtOptionsEntry 18 }
39
40 dot11MgmtOptionACStationCountImplemented OBJECT-TYPE
41     SYNTAX TruthValue
42     MAX-ACCESS read-only
43     STATUS current
44     DESCRIPTION
45         "This attribute, when TRUE, indicates that the station implementation is capable
46         of supporting AC Station Count when the dot11WirelessManagementImplemented is set to
47         TRUE."
48     DEFVAL { false }
49     ::= { dot11WirelessMgmtOptionsEntry 19 }
50
51 dot11MgmtOptionACStationCountEnabled OBJECT-TYPE
52     SYNTAX TruthValue
53     MAX-ACCESS read-write
54     STATUS current
55     DESCRIPTION
56         "This attribute, when TRUE, indicates that the capability of the station to
57         provide AC Station Count is enabled. AC Station Count is disabled otherwise."
58     DEFVAL { false }
59     ::= { dot11WirelessMgmtOptionsEntry 20 }
60
61 dot11MgmtOptionCoLocIntfReportingEnabled-dot11MgmtOptionCoLocIntReportingImplemented
62     OBJECT-TYPE
63     SYNTAX TruthValue
64     MAX-ACCESS read-write
65     STATUS current
66     DESCRIPTION
67         "This attribute, when TRUE, indicates that the capability station implementation
68         is capable of the station to support supports supporting Colocated Interference
69         Reporting is enabled Reporting. The capability is disabled, otherwise."
70     DEFVAL { false }
71     ::= { dot11WirelessMgmtOptionsEntry 21 }
72
73 dot11MgmtOptionCoLocIntReportingImplemented-dot11MgmtOptionCoLocIntfReportingEnabled
74     OBJECT-TYPE
75     SYNTAX TruthValue
76     MAX-ACCESS read-write
77     STATUS current
78     DESCRIPTION

```

```

1  "This attribute, when TRUE, indicates that the capability of the station
2  implementation is capable of supporting to support Colocated Interference
3  ReportingReporting is enabled. The capability is disabled, otherwise."
4  DEFVAL { false }
5  ::= { dot11WirelessMgmtOptionsEntry 22 }
6
7  dot11MgmtOptionMotionDetectionImplemented OBJECT-TYPE
8  SYNTAX TruthValue
9  MAX-ACCESS read-only
10 STATUS current
11 DESCRIPTION
12 "This attribute, when TRUE, indicates that the station implementation is capable
13 of supporting motion detection when the dot11WirelessManagementImplemented is set to
14 TRUE."
15 DEFVAL { false }
16 ::= { dot11WirelessMgmtOptionsEntry 23 }
17
18 dot11MgmtOptionMotionDetectionEnabled OBJECT-TYPE
19 SYNTAX TruthValue
20 MAX-ACCESS read-write
21 STATUS current
22 DESCRIPTION
23 "This attribute, when TRUE, indicates that the capability to support motion
24 detection is enabled."
25 DEFVAL { false }
26 ::= { dot11WirelessMgmtOptionsEntry 24 }
27
28 dot11MgmtOptionTODImplemented OBJECT-TYPE
29 SYNTAX TruthValue
30 MAX-ACCESS read-only
31 STATUS current
32 DESCRIPTION
33 "This attribute, when TRUE, indicates that the station implementation is capable
34 of supporting Time Of Departure for transmitted Clause 15, 17, 18, 19 and 20 frames
35 when the dot11WirelessManagementImplemented is set to TRUE."
36 DEFVAL { false }
37 ::= { dot11WirelessMgmtOptionsEntry 25 }
38
39 dot11MgmtOptionTODEnabled OBJECT-TYPE
40 SYNTAX TruthValue
41 MAX-ACCESS read-write
42 STATUS current
43 DESCRIPTION
44 "This attribute, when TRUE, indicates that the capability to support Time Of
45 Departure frames for transmitted Clause 15, 17, 18, 19 and 20 frames is enabled."
46 DEFVAL { false }
47 ::= { dot11WirelessMgmtOptionsEntry 26 }
48
49 dot11MgmtOptionTimingMsmtImplemented OBJECT-TYPE
50 SYNTAX TruthValue
51 MAX-ACCESS read-only
52 STATUS current
53 DESCRIPTION
54 "This attribute, when TRUE, indicates that the station implementation is capable
55 of supporting Timing Measurement capability when the
56 dot11WirelessManagementImplemented is set to TRUE."
57 DEFVAL { false }
58 ::= { dot11WirelessMgmtOptionsEntry 27 }
59
60 dot11MgmtOptionTimingMsmtEnabled OBJECT-TYPE
61 SYNTAX TruthValue
62 MAX-ACCESS read-write
63 STATUS current
64 DESCRIPTION
65 "This attribute, when TRUE, indicates that the station capability for Timing
66 Measurement is enabled. FALSE indicates the station has no Timing Measurement
67 capability or that the capability is present but is disabled."
68 DEFVAL { false }
69 ::= { dot11WirelessMgmtOptionsEntry 28 }
70
71 dot11MgmtOptionChannelUsageImplemented OBJECT-TYPE
72 SYNTAX TruthValue
73 MAX-ACCESS read-only
74 STATUS current
75 DESCRIPTION
76 "This attribute, when TRUE, indicates that the station implementation is capable
77 of supporting Channel Usage when the dot11WirelessManagementImplemented is set to
78 TRUE."

```

```

1      DEFVAL { false}
2      ::= { dot11WirelessMgmtOptionsEntry 29 }
3
4  dot11MgmtOptionChannelUsageEnabled OBJECT-TYPE
5      SYNTAX TruthValue
6      MAX-ACCESS read-write
7      STATUS current
8      DESCRIPTION
9      "This attribute, when TRUE, indicates that Channel Usage is enabled. Channel
10     Usage is disabled otherwise."
11     DEFVAL { false}
12     ::= { dot11WirelessMgmtOptionsEntry 30 }
13
14 dot11MgmtOptionTriggerSTAStatisticsEnabled OBJECT-TYPE
15     SYNTAX TruthValue
16     MAX-ACCESS read-write
17     STATUS current
18     DESCRIPTION
19     "This attribute, when TRUE, indicates that the capability of the station to
20     provide triggered STA statistics is enabled. The capability is disabled otherwise"
21     DEFVAL { false}
22     ::= { dot11WirelessMgmtOptionsEntry 31 }
23
24 dot11MgmtOptionSSIDListImplemented OBJECT-TYPE
25     SYNTAX TruthValue
26     MAX-ACCESS read-only
27     STATUS current
28     DESCRIPTION
29     "This attribute, when TRUE, indicates that the station implementation is capable
30     of supporting the SSID List capability when the dot11WirelessManagementImplemented
31     is TRUE."
32     DEFVAL { false}
33     ::= { dot11WirelessMgmtOptionsEntry 32 }
34
35 dot11MgmtOptionSSIDListEnabled OBJECT-TYPE
36     SYNTAX TruthValue
37     MAX-ACCESS read-only
38     STATUS current
39     DESCRIPTION
40     "This attribute, when TRUE, indicates that the capability of the station to
41     support the SSID List capability is enabled. The capability is disabled, otherwise"
42     DEFVAL { false}
43     ::= { dot11WirelessMgmtOptionsEntry 33 }
44
45 dot11MgmtOptionMulticastDiagnosticsEnabled OBJECT-TYPE
46     SYNTAX TruthValue
47     MAX-ACCESS read-write
48     STATUS current
49     DESCRIPTION
50     "This attribute, when TRUE, indicates that the
51     capability of the station to provide Multicast Diagnostic Reporting is
52     enabled. The capability is disabled, otherwise."
53     DEFVAL { false}
54     ::= { dot11WirelessMgmtOptionsEntry 34 }
55
56 dot11MgmtOptionLocationTrackNotificationImplemented OBJECT-TYPE
57     SYNTAX TruthValue
58     MAX-ACCESS read-only
59     STATUS current
60     DESCRIPTION
61     "This attribute, when TRUE, indicates that the station
62     implementation is capable of supporting Location Track Notification when
63     the dot11WirelessManagementImplemented is TRUE."
64     DEFVAL { false}
65     ::= { dot11WirelessMgmtOptionsEntry 35 }
66
67 dot11MgmtOptionLocationTrackNotificationEnabled OBJECT-TYPE
68     SYNTAX TruthValue
69     MAX-ACCESS read-write
70     STATUS current
71     DESCRIPTION
72     "This attribute, when TRUE, indicates that the
73     capability of the station to provide Location Track Notification is
74     enabled. The capability is disabled otherwise."

```

```

1         DEFVAL { false }
2         ::= { dot11WirelessMgmtOptionsEntry 36 }
3
4     dot11MgmtOptionDMSImplemented OBJECT-TYPE
5         SYNTAX TruthValue
6         MAX-ACCESS read-write
7         STATUS current
8         DESCRIPTION
9             "This attribute, when TRUE, indicates that the station implementation is
10            capable of supporting DMS when the dot11WirelessManagementImplemented is
11            TRUE."
12         DEFVAL { false }
13         ::= { dot11WirelessMgmtOptionsEntry 37 }
14
15     dot11MgmtOptionDMSEnabled OBJECT-TYPE
16         SYNTAX TruthValue
17         MAX-ACCESS read-write
18         STATUS current
19         DESCRIPTION
20             "This attribute, when TRUE, indicates that DMS is enabled. DMS is disabled
21            otherwise."
22         DEFVAL { false }
23         ::= { dot11WirelessMgmtOptionsEntry 38 }
24
25     dot11MgmtOptionUTCTSPOffsetImplemented dot11MgmtOptionTimeAdvertisementImplemented OBJECT-
26     TYPE
27         SYNTAX TruthValue
28         MAX-ACCESS read-write
29         STATUS current
30         DESCRIPTION
31             "This attribute, when TRUE, indicates that the
32            Station implementation is capable of supporting UTC-TSP-Offset-
33            advertisement Time Advertisement when the
34            dot11WirelessManagementImplemented is set to TRUE."
35         DEFVAL { false }
36         ::= { dot11WirelessMgmtOptionsEntry 39 }
37
38     dot11MgmtOptionUTCTSPOffsetEnabled dot11MgmtOptionTimeAdvertisementEnabled OBJECT-TYPE
39         SYNTAX TruthValue
40         MAX-ACCESS read-write
41         STATUS current
42         DESCRIPTION
43             "This attribute, when TRUE, indicates that UTC-TSP-Offset- advertisement Time
44            Advertisement is enabled at the station. The capability is disabled, otherwise."
45         DEFVAL { false }
46         ::= { dot11WirelessMgmtOptionsEntry 40 }
47
48     -- *****
49     -- * dot11LocationServices TABLE
50     -- *****
51     dot11LocationServicesTable OBJECT-TYPE
52         SYNTAX SEQUENCE OF Dot11LocationServicesEntry
53         MAX-ACCESS read-write
54         STATUS current
55         DESCRIPTION
56             "Group contains conceptual table of attributes for
57            WNM LocationServices."
58         ::= { dot11smt 19 }
59
60     dot11LocationServicesEntry OBJECT-TYPE
61         SYNTAX Dot11LocationServicesEntry
62         MAX-ACCESS read-write
63         STATUS current
64         DESCRIPTION
65             "An entry in the dot11LocationServicesTable
66            Indexed by dot11LocationServicesIndex."
67         INDEX { dot11LocationServicesIndex }
68         ::= { dot11LocationServicesTable 1 }
69
70     Dot11LocationServicesEntry ::=
71         SEQUENCE {

```

```

1 dot11LocationServicesIndex Unsigned32,
2 dot11LocationServicesMACAddress MacAddress,
3 dot11LocationServicesIndex Unsigned32,
4 dot11LocationServicesMACAddress
5 MacAddress dot11LocationServicesLocationIndicationParamsReportIntervalUnits
6 INTEGER,
7 dot11LocationServicesLocationIndicationParametersReportIntervalUnits
8 dot11LocationServicesLocationIndicationParamsNormalReportInterval INTEGER,
9 dot11LocationServicesLocationIndicationParametersNormalReportInterval
10 dot11LocationServicesLocationIndicationParamsNormalFramesperChannel INTEGER,
11 dot11LocationServicesLocationIndicationParametersNormalFramesperChannel
12 dot11LocationServicesLocationIndicationParamsInMotionReportInterval INTEGER,
13 dot11LocationServicesLocationIndicationParametersInMotionReportInterval
14 dot11LocationServicesLocationIndicationParamsInMotionFramesperChannel INTEGER,
15 dot11LocationServicesLocationIndicationParametersInMotionFramesperChannel
16 dot11LocationServicesLocationIndicationParamsBurstInterframeInterval INTEGER,
17 dot11LocationServicesLocationIndicationParametersBurstInterframeInterval
18 dot11LocationServicesLocationIndicationParamsEssDetectionInterval INTEGER,
19 dot11LocationServicesLocationIndicationChannelsChannel
20 dot11LocationServicesLocationIndicationChannelList OCTET STRING,
21 dot11LocationServicesLocationStatus INTEGER}
22
23 dot11LocationConfigIndex OBJECT-TYPE
24     SYNTAX Unsigned32
25     MAX-ACCESS read-write
26     STATUS current
27     DESCRIPTION
28         "This attribute is the Index for LocationServices Report elements in
29 dot11LocationServicesTable,
30     greater than 0."
31 ::= { dot11LocationServicesEntry 1 }
32
33 dot11LocationServicesMACAddress OBJECT-TYPE
34     SYNTAX MacAddress
35     MAX-ACCESS read-write
36     STATUS current
37     DESCRIPTION
38         "This attribute is the MAC address of the STA reporting location information."
39 ::= { dot11LocationServicesEntry 2 }
40
41 dot11LocationServicesLocationIndicationParametersReportIntervalUnits
42 dot11LocationServicesLocationIndicationParamsReportIntervalUnits OBJECT-TYPE
43 SYNTAX INTEGER (0..255)
44 SYNTAX INTEGER {
45     hours(0),
46     minutes(1),
47     seconds(2),
48     milliseconds(3)
49 }
50 MAX-ACCESS read-write
51 STATUS current
52 DESCRIPTION
53     "This attribute contains the Location Indication Parameters Report Interval
54 Units value."
55 ::= { dot11LocationServicesEntry 3 }
56
57 dot11LocationServicesLocationIndicationParametersNormalReportInterval
58 dot11LocationServicesLocationIndicationParamsNormalReportInterval OBJECT-TYPE
59 SYNTAX INTEGER (0..65535)
60 MAX-ACCESS read-write
61 STATUS current
62 DESCRIPTION
63 "This attribute contains the Location Indication Parameters Normal Report
64 Interval value."
65     "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 inter~~MAX-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 }
```

```

1 dot11LocationServicesLocationIndicationParamsEssDetectionInterval INTEGER,
2     SYNTAX INTEGER (0..255)
3     MAX-ACCESS read-write
4     STATUS current
5     DESCRIPTION
6         "This attribute contains the interval, in minutes, that a STA checks for beacons
7         transmitted by one or more APs belonging to the same ESS that configured the STA. If
8         no beacons from the ESS are received for this period, the STA terminates transmission
9         of Location Track Notification frames as described in 11.22.4.2 procedures. The ESS
10        Detection Interval field is not used when the ESS Detection Interval field value is
11        set to 0."
12 ::= { dot11LocationServicesEntry 10}
13
14 dot11LocationServicesLocationIndicationChannels
15 dot11LocationServicesLocationIndicationChannelList OBJECT-TYPE
16     SYNTAX OCTET STRING (SIZE (2..254))
17     MAX-ACCESS read-write
18     STATUS current
19     DESCRIPTION
20         "This attribute contains the Location Indication Channels Channel and one or
21         more Regulatory Class and Channel octet fields pairs."
22 ::= { dot11LocationServicesEntry 9-11 }
23
24 dot11LocationServicesLocationStatus OBJECT-TYPE
25     SYNTAX INTEGER (0..255)
26     MAX-ACCESS read-only
27     STATUS current
28     DESCRIPTION
29         "This attribute contains the Location Status value value as indicated in Table
30         7-43v, Event Report Status."
31 ::= { dot11LocationServicesEntry 10-12 }
32
33 -- *****
34 -- * End of dot11LocationServices TABLE
35 -- *****
36
37 -- *****
38 -- * dot11WirelessMGTEvent TABLE
39 -- *****
40
41 dot11WirelessMGTEventTable OBJECT-TYPE
42     SYNTAX SEQUENCE OF dot11WirelessMGTEventEntry
43     MAX-ACCESS not-accessible
44     STATUS current
45     DESCRIPTION
46         "Group contains the current list of WIRELESS Management reports that have been
47         received by the MLME. The report tables shall be maintained as FIFO to
48         preserve freshness, thus the rows in this table can be deleted for memory
49         constraints or other implementation constraints determined by the vendor.
50         New rows shall have different RprtIndex values than those deleted within the
51         range limitation of the index. One easy way is to monotonically increase
52         the EventIndex for new reports being written in the table."
53 ::= { dot11smt 20 }
54
55 dot11WirelessMGTEventEntry OBJECT-TYPE
56     SYNTAX dot11WirelessMGTEventEntry
57     MAX-ACCESS not-accessible
58     STATUS current
59     DESCRIPTION
60         "An entry in the dot11WirelessMGTEventTable
61         Indexed by dot11WirelessMGTEventIndex."
62     INDEX { dot11WirelessMGTEventIndex }
63     ::= { dot11WirelessMGTEventTable 1 }
64
65 dot11WirelessMGTEventEntry ::=
66     SEQUENCE {
67         dot11WirelessMGTEventIndex Unsigned32,
68         dot11WirelessMGTEventIndex dot11WirelessMGTEventMACAddress Unsigned32 MacAddress,
69         dot11WirelessMGTEventMACAddress dot11WirelessMGTEventType MacAddress INTEGER,
70         dot11WirelessMGTEventType dot11WirelessMGTEventStatus INTEGER,
71         dot11WirelessMGTEventStatus dot11WirelessMGTEventTSF INTEGER TSFType,
72         dot11WirelessMGTEventTimestamp dot11WirelessMGTEventTimeValue OCTET STRING,
73         dot11WirelessMGTEventTransitionSourceBSSID dot11WirelessMGTEventTimeError
74         MacAddress OCTET STRING,
75         dot11WirelessMGTEventTransitionTargetBSSID
76         dot11WirelessMGTEventTransitionSourceBSSID MacAddress,
77         dot11WirelessMGTEventTransitionTime dot11WirelessMGTEventTransitionTargetBSSID
78         INTEGER MacAddress,
79         dot11WirelessMGTEventTransitionReason dot11WirelessMGTEventTransitionTime INTEGER,

```

```

1  dot11WirelessMGTEventTransitionResult dot11WirelessMGTEventTransitionReason
2  INTEGER,
3  dot11WirelessMGTEventTransitionSourceRCPI dot11WirelessMGTEventTransitionResult
4  INTEGER,
5  dot11WirelessMGTEventTransitionSourceRSNI
6  dot11WirelessMGTEventTransitionSourceRCPI          INTEGER,
7  dot11WirelessMGTEventTransitionTargetRCPI
8  dot11WirelessMGTEventTransitionSourceRSNI          INTEGER,
9  dot11WirelessMGTEventTransitionTargetRSNI
10 dot11WirelessMGTEventTransitionTargetRCPI          INTEGER,
11 dot11WirelessMGTEventRSNATargetBSSID dot11WirelessMGTEventTransitionTargetRSNI
12 MacAddress INTEGER,
13 dot11WirelessMGTEventRSNAAuthenticationType dot11WirelessMGTEventRSNATargetBSSID
14 OCTET STRING MacAddress,
15 dot11WirelessMGTEventRSNAEAPMethod dot11WirelessMGTEventRSNAAuthenticationType
16 OCTET STRING,
17 dot11WirelessMGTEventRSNAResult dot11WirelessMGTEventRSNAEAPMethod INTEGER OCTET
18 STRING,
19 dot11WirelessMGTEventRSNElement dot11WirelessMGTEventRSNAResult INTEGER,
20 dot11WirelessMGTEventPeerSTAAddress dot11WirelessMGTEventRSNElement
21 MacAddress INTEGER,
22 dot11WirelessMGTEventPeerRegulatoryClass dot11WirelessMGTEventPeerSTAAddress
23 INTEGER MacAddress,
24 dot11WirelessMGTEventPeerChannelNumber dot11WirelessMGTEventPeerRegulatoryClass
25 INTEGER,
26 dot11WirelessMGTEventPeerSTATxPower dot11WirelessMGTEventPeerChannelNumber
27 INTEGER,
28 dot11WirelessMGTEventPeerConnectionTime dot11WirelessMGTEventPeerSTATxPower
29 INTEGER,
30 dot11WirelessMGTEventWNMLog dot11WirelessMGTEventPeerConnectionTime
31 DisplayString} INTEGER,
32 dot11WirelessMGTEventWNMLog                          DisplayString}
33
34 dot11WirelessMGTEventIndex OBJECT-TYPE
35     SYNTAX Unsigned32
36     MAX-ACCESS read-only
37     STATUS current
38     DESCRIPTION
39         "This attribute contains the Index for EVENT Report elements in
40         dot11WirelessMGTEventTable, greater than 0."
41     ::= { dot11WirelessMGTEventEntry 1 }
42
43 dot11WirelessMGTEventMACAddress OBJECT-TYPE
44     SYNTAX MacAddress
45     MAX-ACCESS read-only
46     STATUS current
47     DESCRIPTION
48         "This attribute is the MAC address of the STA providing the Event Report."
49     ::= { dot11WirelessMGTEventEntry 2 }
50
51 dot11WirelessMGTEventType OBJECT-TYPE
52     SYNTAX INTEGER (0..255)
53     SYNTAX INTEGER {
54         transition(0),
55         rsn(1),
56         peerToPeer(2),
57         WNMLog(3),
58         vendorSpecific(221)
59     }
60     MAX-ACCESS read-create
61     STATUS current
62     DESCRIPTION
63         "This attribute indicates the request type of this WNM Event request."
64     ::= { dot11WirelessMGTEventEntry 3 }
65
66 dot11WirelessMGTEventStatus OBJECT-TYPE
67     SYNTAX INTEGER {
68         successful(0),
69         requestFailed(1),
70         requestRefused(2),
71         requestIncapable(3),
72         detectedFrequentTransition(4)
73     }
74     MAX-ACCESS read-only
75     STATUS current
76     DESCRIPTION
77         "This attribute contains the Type-status value of included in the Event Report-
78         elementReport."

```



```

1  ::= { dot11WirelessMGTEventEntry 3-4 }
2
3  dot11WirelessMGTEventStatus dot11WirelessMGTEventTSF OBJECT-TYPE
4      SYNTAX INTEGER (0..255) TSFType
5      MAX-ACCESS read-only
6      STATUS current
7      DESCRIPTION
8          "This attribute contains the status-value included in of the Event
9          Report timestamp field."
10     ::= { dot11WirelessMGTEventEntry 4-5 }
11
12 dot11WirelessMGTEventTimestamp dot11TimeAdvertisementTimeValue OBJECT-TYPE
13     SYNTAX OCTET STRING (SIZE(89))
14     MAX-ACCESS read-onlywrite
15     STATUS current
16     DESCRIPTION
17     "This attribute contains the value of the Event timestamp field."
18     DESCRIPTION
19         "This attribute indicates the TimeAdvertisement Time Value as defined in the Time
20         Advertisement IE Time Value field when the Time Capabilities field is set to 2. The
21         format is defined in Table 7-37c and is included in the Time Advertisement element in
22         Beacon and Probe Response frames."
23     ::= { dot11WirelessMGTEventEntry 5-6 }
24
25 dot11WirelessMGTEventTransitionSourceBSSID dot11TimeAdvertisementTimeError OBJECT-TYPE
26     SYNTAX MacAddress OCTET STRING (SIZE(SIZE(65)))
27     MAX-ACCESS read-onlywrite
28     STATUS current
29     DESCRIPTION
30     "This attribute contains the value of the Source BSSID field in a Transition
31     event report."
32     DESCRIPTION
33         "This attribute indicates the Time Error value as defined in the Time
34         Advertisement IE Time Error field when the Time Capabilities field is set to 2. This
35         field is included in the Time Advertisement element in Beacon and Probe Response
36         frames."
37     DEFVAL { 0 }
38     ::= { dot11WirelessMGTEventEntry 6-7 }
39
40 dot11WirelessMGTEventTransitionTargetBSSID dot11WirelessMGTEventTransitionSourceBSSID
41     OBJECT-TYPE
42     SYNTAX MacAddress (SIZE(6))MacAddress
43     MAX-ACCESS read-only
44     STATUS current
45     DESCRIPTION
46         "This attribute contains the value of the Target-Source BSSID field in a
47         Transition event report."
48     ::= { dot11WirelessMGTEventEntry 7-8 }
49
50 dot11WirelessMGTEventTransitionTime dot11WirelessMGTEventTransitionTargetBSSID OBJECT-TYPE
51     SYNTAX INTEGER (0..65535)MacAddress
52     MAX-ACCESS read-only
53     STATUS current
54     DESCRIPTION
55         "This attribute contains the value of the Transition Time Target BSSID field in
56         the a Transition event report."
57     ::= { dot11WirelessMGTEventEntry 8-9 }
58
59 dot11WirelessMGTEventTransitionReason dot11WirelessMGTEventTransitionTime OBJECT-TYPE
60     SYNTAX INTEGER (0..25565535)
61     UNITS "TUs"
62     MAX-ACCESS read-only
63     STATUS current
64     DESCRIPTION
65         "This attribute contains the value of the Transition Reason field in the
66         Transition event report."
67         "This attribute indicates the transition time for the reported transition event
68         in TUs. The Transition time is defined as the time difference between the starting
69         time and the ending time of a transition between APs, even if the transition results
70         in remaining on the same AP. Start and end times for a transition event are defined
71         in 11.22.2.2"
72     ::= { dot11WirelessMGTEventEntry 9-10 }
73
74 dot11WirelessMGTEventTransitionResult dot11WirelessMGTEventTransitionReason OBJECT-TYPE
75     SYNTAX INTEGER {
76         unspecified(0),
77         excessiveFrameLossRatesPoorConditions(1),
78         excessiveDelayForCurrentTrafficStreams(2),

```

```

1      insufficientQosCapacityForCurrentTrafficStreams(3),
2      firstAssociationToEss(4),
3      loadBalancing(5),
4      betterApFound(6),
5      deauthenticatedDisassociatedFromPreviousAp(7),
6      certificateToken(8),
7      apFailedIeee8021XEapAuthentication(9),
8      apFailed4wayHandshake(10),
9      excessiveDataMICFailures(11),
10     exceededFrameTransmissionRetryLimit(12),
11     excessiveBroadcastDisassociations(13),
12     excessiveBroadcastDeauthentications(14),
13     previousTransitionFailed(15),
14     }
15     MAX-ACCESS read-create
16     STATUS current
17     DESCRIPTION
18     "This attribute indicates the reason for the reported BSS Transition event. The
19     format for this list of reasons is further detailed in 7.3.2.63.2." ::= {
20     dot11WirelessMGTEventEntry 11}
21
22 dot11WirelessMGTEventTransitionResult OBJECT-TYPE
23     SYNTAX INTEGER (0..65535)
24     MAX-ACCESS read-only
25     STATUS current
26     DESCRIPTION
27     "This attribute contains the value of the Transition Result field in the
28     Transition event report."
29     "This attribute indicates the result of the attempted transition and is set to
30     one of the Status Codes specified in Table 7-23 in 7.3.1.9."
31     ::= { dot11WirelessMGTEventEntry 10-12 }
32
33 dot11WirelessMGTEventTransitionSourceRCPI OBJECT-TYPE
34     SYNTAX INTEGER (0..255)
35     MAX-ACCESS read-only
36     STATUS current
37     DESCRIPTION
38     "This attribute contains the value of the Source RCPI field in the Transition
39     event report."
40     "This attribute indicates the received channel power of the most recently
41     measured frame from the Source BSSID before the STA reassociates to the Target BSSID.
42     The Source RCPI is reported in dBm, as defined in the RCPI measurement clause for the
43     PHY Type."
44     ::= { dot11WirelessMGTEventEntry 11-13 }
45
46 dot11WirelessMGTEventTransitionSourceRSNI OBJECT-TYPE
47     SYNTAX INTEGER (0..255)
48     MAX-ACCESS read-only
49     STATUS current
50     DESCRIPTION
51     "This attribute contains the value of the Source RSNI field in the Transition
52     event report."
53     "This attribute indicates the received signal to noise indication of the most
54     recently measured frame from the Source BSSID before the STA reassociates to the
55     Target BSSID. The Source RSNI is reported in dB, as defined in 7.3.2.41."
56     ::= { dot11WirelessMGTEventEntry 12-14 }
57
58 dot11WirelessMGTEventTransitionTargetRCPI OBJECT-TYPE
59     SYNTAX INTEGER (0..255)
60     MAX-ACCESS read-only
61     STATUS current
62     DESCRIPTION
63     "This attribute contains the value of the Target RCPI field in the Transition
64     event report."
65     "This attribute indicates the received channel power of the first measured frame
66     just after STA reassociates to the Target BSSID. If association with target BSSID
67     failed, the Target RCPI field indicates the received channel power of the most
68     recently measured frame from the Target BSSID. The Target RCPI is reported in dBm, as
69     defined in the RCPI measurement clause for the PHY Type."
70     ::= { dot11WirelessMGTEventEntry 13-15 }
71
72 dot11WirelessMGTEventTransitionTargetRSNI OBJECT-TYPE
73     SYNTAX INTEGER (0..255)
74     MAX-ACCESS read-only
75     STATUS current
76     DESCRIPTION
77     "This attribute contains the value of the Target RSNI field in the Transition
78     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 indicates 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 Table 7-23 in 7.3.1.9."

::= { dot11WirelessMGTEventEntry ~~18-20~~ }

dot11WirelessMGTEventRSNARSNElement OBJECT-TYPE

SYNTAX OCTET STRING (SIZE(~~360~~..~~256~~257))

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

```

1 event is for a Peer-to-Peer Link in an IBSS, this field contains the BSSID of the
2 IBSS."
3 ::= { dot11WirelessMGTEventEntry 20-22 }
4
5 dot11WirelessMGTEventPeerRegulatoryClass OBJECT-TYPE
6     SYNTAX INTEGER (0..255)
7     MAX-ACCESS read-only
8     STATUS current
9     DESCRIPTION
10        "This attribute contains indicates the value of the Regulatory Class field in a
11 channel set for this Peer-to-Peer Link event Event report. Country, Regulatory Class
12 and Channel Number together specify the channel frequency and spacing for this
13 measurement request. Valid values of Regulatory Class are shown in Annex J."
14 ::= { dot11WirelessMGTEventEntry 21-23 }
15
16 dot11WirelessMGTEventPeerChannelNumber OBJECT-TYPE
17     SYNTAX INTEGER (0..255)
18     MAX-ACCESS read-only
19     STATUS current
20     DESCRIPTION
21        "This attribute contains indicates the value of the Channel Number field in a
22 current operating channel for this Peer-to-Peer Link event Event report. The Channel
23 Number is only defined within the indicated Regulatory Class as shown in Annex J."
24 ::= { dot11WirelessMGTEventEntry 22-24 }
25
26 dot11WirelessMGTEventPeerSTATxPower OBJECT-TYPE
27     SYNTAX INTEGER (-128..127)
28     MAX-ACCESS read-only
29     STATUS current
30     DESCRIPTION
31        "This attribute contains indicates the value of STA transmit power used for the
32 Peer-to-Peer link. The STA Tx Power field indicates the target transmit power at the
33 antenna in dBm with a Peertolerance of +/- to Peer Link event report. This is a signed
34 integer, one octet in length, in dBm5dB for the lowest basic rate of the reporting
35 STA. A value of -128 indicates that the value is unknown."
36 ::= { dot11WirelessMGTEventEntry 23-25 }
37
38 dot11WirelessMGTEventPeerConnectionTime OBJECT-TYPE
39     SYNTAX INTEGER (0..65535)
40     UNITS "seconds"
41     MAX-ACCESS read-only
42     STATUS current
43     DESCRIPTION
44        "This attribute contains the value of the Connection Time field in a Peer to
45 Peer Link event report."
46        "This attribute indicates a value representing the connection time for the
47 reported Peer-to-Peer event. If the Peer Status is 0, this field indicates the
48 duration of the Direct Link. If the Peer Status is 1, this field indicates the time
49 difference from the time the Direct Link was established to the time at which the
50 reporting STA generated the event report. If the Peer Status is 2, this field
51 indicates the duration of the IBSS membership. If the Peer Status is 3, this field
52 indicates the time difference from the time the STA joined the IBSS to the time at
53 which the reporting STA generated the event report. See 11.20.2.4."
54 ::= { dot11WirelessMGTEventEntry 24-26 }
55
56 dot11WirelessMGTEventWNMLog OBJECT-TYPE
57     SYNTAX DisplayString
58     SYNTAX OCTET STRING (SIZE(0..2284))
59     MAX-ACCESS read-only create
60     STATUS current
61     DESCRIPTION
62     "This attribute contains the value of the WNM Log Msg field in a WNM Log event
63 report."
64     DESCRIPTION
65        "This attribute contains the entire syslog message, consisting of the PRI,
66 HEADER, and MSG portion of a WNM Log message as described in IETF RFC 3164-
67 2001. The TAG field of the MSG portion of the message is a 17 octet string
68 containing the ASCII representation of the STA MAC address using hexadecimal
69 notation with colons between octets. The octet containing the individ-
70 ual/group bit occurs last, and that bit is in the least significant
71 position within that octet. See 11.22.2.5."
72     DEFVAL { 'H' }
73     ::= { dot11WirelessMGTEventEntry 25-27 }

```

```

1
2  -- *****
3  -- * End of dot11WirelessMGTEvent TABLE
4  -- *****

```

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

```

9 dot11Compliance MODULE-COMPLIANCE
10     STATUS current
11     DESCRIPTION
12     "The compliance statement for SNMPv2 entities that implement The IEEE 802.11
13     MIB."
14     MODULE -- this module
15     MANDATORY-GROUPS {
16     dot11SMTbase10, dot11MACbase2, dot11CountersGroup2,
17     dot11SmtAuthenticationAlgorithms, dot11ResourceTypeID,
18     dot11PhyOperationComplianceGroup }

```

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

```

21
22 -- OPTIONAL-GROUPS { dot11SMTprivacy, dot11MACStatistics,
23 -- dot11PhyAntennaComplianceGroup, dot11PhyTxPowerComplianceGroup,
24 -- dot11PhyRegDomainsSupportGroup,
25 -- dot11PhyAntennasListGroup, dot11PhyRateGroup,
26 -- dot11SMTbase3, dot11MultiDomainCapabilityGroup,
27 -- dot11PhyFHSSComplianceGroup2, dot11RSNAAdditions,
28 -- dot11RegulatoryClassesGroup, dot11QosAdditions,
29 -- dot11RRMCompliance, dot11FTComplianceGroup,
30 -- dot11PhyAntennaComplianceGroup2,
31 -- dot11HTMACAdditions,
32 -- dot11PhyMCSGroup,
33 -- dot11TransmitBeamformingGroup,
34 -- dot11WNMCompliance}
35 ::= { dot11Compliances 1 }

```

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

```

36 dot11SMTbase10 OBJECT-GROUP
37     OBJECTS { dot11MediumOccupancyLimit,
38     dot11CFPPollable,
39     dot11CFPPeriod,
40     dot11CFPMaxDuration,
41     dot11AuthenticationResponseTimeOut,
42     dot11PrivacyOptionImplemented,
43     dot11PowerManagementMode,
44     dot11DesiredSSID, dot11DesiredBSSType,
45     dot11OperationalRateSet,
46     dot11BeaconPeriod, dot11DTIMPeriod,
47     dot11AssociationResponseTimeOut,
48     dot11DisassociateReason,
49     dot11DisassociateStation,
50     dot11DeauthenticateReason,
51     dot11DeauthenticateStation,
52     dot11AuthenticateFailStatus,
53     dot11AuthenticateFailStation,
54     dot11MultiDomainCapabilityImplemented,
55     dot11MultiDomainCapabilityEnabled,
56     dot11CountryString,
57     dot11SpectrumManagementImplemented,
58     dot11SpectrumManagementRequired,
59     dot11RSNAOptionImplemented,
60     dot11RegulatoryClassesImplemented,
61     dot11RegulatoryClassesRequired,
62     dot11QosOptionImplemented,
63     dot11ImmediateBlockAckOptionImplemented,
64     dot11DelayedBlockAckOptionImplemented,
65     dot11DirectOptionImplemented,
66     dot11APSDOptionImplemented,
67     dot11QAckOptionImplemented,
68     dot11QBSSLoadOptionImplemented,
69     dot11QueueRequestOptionImplemented,
70     dot11TXOPRequestOptionImplemented,
71     dot11MoreDataAckOptionImplemented,

```

```

1         dot11AssociateinQBSS,
2         dot11DLAllowedinQBSS,
3         dot11DLAllowed,
4         dot11SMTRRMRequest,
5         dot11SMTRRMReport,
6         dot11SMTRRMConfig,
7         dot11AssociateStation,
8         dot11AssociateID,
9         dot11AssociateFailStation,
10        dot11AssociateFailStatus,
11        dot11ReassociateStation,
12        dot11ReassociateID,
13        dot11ReassociateFailStation,
14        dot11ReassociateFailStatus,
15        dot11RadioMeasurementCapable,
16        dot11RadioMeasurementEnabled,
17        dot11RRMMeasurementProbeDelay,
18        dot11RRMMeasurementPilotPeriod,
19        dot11RRMLinkMeasurementEnabled,
20        dot11RRMNeighborReportEnabled,
21        dot11RRMParallelMeasurementsEnabled,
22        dot11RRMRepeatedMeasurementsEnabled,
23        dot11RRMBeaconPassiveMeasurementEnabled,
24        dot11RRMBeaconActiveMeasurementEnabled,
25        dot11RRMBeaconTableMeasurementEnabled,
26        dot11RRMBeaconMeasurementReportingConditionsEnabled,
27        dot11RRMFrameMeasurementEnabled,
28        dot11RRMChannelLoadMeasurementEnabled,
29        dot11RRMNoiseHistogramMeasurementEnabled,
30        dot11RRMStatisticsMeasurementEnabled,
31        dot11RRMLCIMeasurementEnabled,
32        dot11RRMLCIAzimuthEnabled,
33        dot11RRMTransmitStreamCategoryMeasurementEnabled,
34        dot11RRMTriggeredTransmitStreamCategoryMeasurementEnabled,
35        dot11RRMAPChannelReportEnabled,
36        dot11RRMMIBEnabled,
37        dot11RRMMaxMeasurementDuration,
38        dot11RRMNonOperatingChannelMaxMeasurementDuration,
39        dot11RRMMeasurementPilotTransmissionInformationEnabled,
40        dot11RRMMeasurementPilotCapability,
41        dot11RRMNeighborReportTSFOffsetEnabled,
42        dot11RRMRCPIMeasurementEnabled,
43        dot11RRMRSNIMeasurementEnabled,
44        dot11RRMBSSAverageAccessDelayEnabled,
45        dot11RRMBSSAvailableAdmissionCapacityEnabled,
46        dot11RRMAntennaInformationEnabled,
47        dot11FastBSSTransitionImplemented,
48        dot11LCIDSEImplemented,
49        dot11LCIDSERequired,
50        dot11DSERequired,
51        dot11ExtendedChannelSwitchEnabled,
52        dot11HighThroughputOptionImplemented }
53
54        STATUS current deprecated
55        DESCRIPTION
56        "The SMTbase8 object class provides the necessary support at the STA to manage
57        the processes in the STA so that the STA may work cooperatively as a part of an IEEE
58        802.11 network, when the STA is capable of multidomain operation. This object group
59        should be implemented when the multidomain capability option is implemented."
60 ::= { dot11Groups 51 }
61
62 Insert at the end of the "Groups - units of conformance" as follows:
63
64 -- *****
65 -- * Compliance Statements - WNM
66 -- *****
67 dot11WNMCompliance MODULE-COMPLIANCE
68     OBJECTS {dot11WirelessNetworkManagementImplemented }
69     STATUS current
70     DESCRIPTION
71     " This object class provides the objects from the IEEE 802.11 MIB required to
72     manage Wireless
73     Network Management functionality. Note that additional objects for managing this
74     functionality
75     are located in the IEEE 802.11 WNM MIB."
76     ::= { dot11Groups 52}
77
78 dot11SMTbase11 OBJECT-GROUP
79     OBJECTS { dot11MediumOccupancyLimit,
80             dot11CFPollable,

```

```

1      dot11CFPPeriod,
2      dot11CFPMaxDuration,
3      dot11AuthenticationResponseTimeOut,
4      dot11PrivacyOptionImplemented,
5      dot11PowerManagementMode,
6      dot11DesiredSSID, dot11DesiredBSSType,
7      dot11OperationalRateSet,
8      dot11BeaconPeriod, dot11DTIMPeriod,
9      dot11AssociationResponseTimeOut,
10     dot11DisassociateReason,
11     dot11DisassociateStation,
12     dot11DeauthenticateReason,
13     dot11DeauthenticateStation,
14     dot11AuthenticateFailStatus,
15     dot11AuthenticateFailStation,
16     dot11MultiDomainCapabilityImplemented,
17     dot11MultiDomainCapabilityEnabled,
18     dot11CountryString,
19     dot11SpectrumManagementImplemented,
20     dot11SpectrumManagementRequired,
21     dot11RSNAOptionImplemented,
22     dot11RegulatoryClassesImplemented,
23     dot11RegulatoryClassesRequired,
24     dot11QoSOptionImplemented,
25     dot11ImmediateBlockAckOptionImplemented,
26     dot11DelayedBlockAckOptionImplemented,
27     dot11DirectOptionImplemented,
28     dot11APSDOptionImplemented,
29     dot11QAckOptionImplemented,
30     dot11QBSSLoadOptionImplemented,
31     dot11QueueRequestOptionImplemented,
32     dot11TXOPRequestOptionImplemented,
33     dot11MoreDataAckOptionImplemented,
34     dot11AssociateinQBSS,
35     dot11DLSAllowedinQBSS,
36     dot11DLSAllowed,
37     dot11SMTRRMRequest,
38     dot11SMTRRMReport,
39     dot11SMTRRMConfig,
40     dot11AssociateStation,
41     dot11AssociateID,
42     dot11AssociateFailStation,
43     dot11AssociateFailStatus,
44     dot11ReassociateStation,
45     dot11ReassociateID,
46     dot11ReassociateFailStation,
47     dot11ReassociateFailStatus,
48     dot11RadioMeasurementCapable,
49     dot11RadioMeasurementEnabled,
50     dot11RRMMeasurementProbeDelay,
51     dot11RRMMeasurementPilotPeriod,
52     dot11RRMLinkMeasurementEnabled,
53     dot11RRMNeighborReportEnabled,
54     dot11RRMParallelMeasurementsEnabled,
55     dot11RRMRepeatedMeasurementsEnabled,
56     dot11RRMBeaconPassiveMeasurementEnabled,
57     dot11RRMBeaconActiveMeasurementEnabled,
58     dot11RRMBeaconTableMeasurementEnabled,
59     dot11RRMBeaconMeasurementReportingConditionsEnabled,
60     dot11RRMFrameMeasurementEnabled,
61     dot11RRMChannelLoadMeasurementEnabled,
62     dot11RRMNoiseHistogramMeasurementEnabled,
63     dot11RRMStatisticsMeasurementEnabled,
64     dot11RRMLCIMeasurementEnabled,
65     dot11RRMLCIAzimuthEnabled,
66     dot11RRMTransmitStreamCategoryMeasurementEnabled,
67     dot11RRMTriggeredTransmitStreamCategoryMeasurementEnabled,
68     dot11RRMAPChannelReportEnabled,
69     dot11RRMMIBEnabled,
70     dot11RRMMaxMeasurementDuration,
71     dot11RRMNonOperatingChannelMaxMeasurementDuration,
72     dot11RRMMeasurementPilotTransmissionInformationEnabled,
73     dot11RRMMeasurementPilotCapability,
74     dot11RRMNeighborReportTSFOffsetEnabled,
75     dot11RRMRCPIMeasurementEnabled,
76     dot11RRMRSNIMeasurementEnabled,
77     dot11RRMBSSAverageAccessDelayEnabled,
78     dot11RRMBSSAvailableAdmissionCapacityEnabled,
79     dot11FastBSSTransitionImplemented,
80     dot11LCIDSEImplemented,

```

```
1         dot11LCIDSERequired,
2         dot11DSERequired,
3         dot11ExtendedChannelSwitchEnabled,
4         dot11HighThroughputOptionImplemented,
5         dot11WirelessNetworkManagementImplemented}
6     STATUS current
7     DESCRIPTION
8         "The SMTbasell object class provides the necessary support at the STA to manage
9         the processes in the STA so that the STA may work cooperatively as a part of an IEEE
10        802.11 network, when the STA is capable of multidomain operation. This object group
11        should be implemented when the multidomain capability option is implemented."
12 ::= { 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.

```

```

1  -- *
2  -- *
3  -- *           MIB.Set           MIB.Set
4  -- *           or                 or
5  -- *           MIB.Get           MIB.Get
6  -- *           +-----+         +-----+
7  -- *           | SME |         | SME |
8  -- *           | \ / |         | \ / |
9  -- *           +-----+         +-----+
10 -- *           | RRM and |         | RRM and |
11 -- *           | WNM MIB |         | WNM MIB |
12 -- *           +-----+         +-----+
13 -- *
14 -- *           / \                 / \
15 -- *           | MREQUEST |         | MREQUEST |
16 -- *           +-----+         +-----+
17 -- *           | MREPORT  |         | MREPORT  |
18 -- *           | \ / MEASURE |         | \ / MEASURE |
19 -- *           +-----+         +-----+
20 -- *           | MLME    |         | MLME    |
21 -- *           +-----+         +-----+
22 -- *           STA x                 STA y
23 -- *
24 -- *
25 -- * Each STA maintains a single dot11RRMRequestTable in the SME MIB
26 -- * used to initiate RM Measurement Requests. Each dot11RRMRequestEntry
27 -- * in the table represents an individual Measurement Request that
28 -- * makes up a complete Measurement Request Action frame.
29 -- * Multiple Measurement Requests may be concatenated into a single
30 -- * Measurement Request Action frame by setting the same
31 -- * dot11RRMRqstToken value into multiple dot11RRMRequestEntrys.
32 -- *
33 -- * Each row, dot11RRMRequestEntry, of the dot11RRMRequestTable
34 -- * provides read-create access for the initiation of a measurement
35 -- * request. The dot11RRMRequestNextIndex object can be used to
36 -- * determine which is the next row available. Each row corresponding to
37 -- * one measurement in the sequence is created with a dot11RRMRqstRowStatus
38 -- * set to notInService. Once the dot11RRMRequestEntry(s) have been
39 -- * created for a desired measurement sequence the corresponding
40 -- * dot11RRMRqstRowStatus(s) objects are set to active to indicate that
41 -- * the SME can trigger the appropriate MLME primitives. Upon processing
42 -- * the request, the SME returns the corresponding dot11RRMRqstRowStatus(s)
43 -- * object to notInService and are now available for additional
44 -- * measurement requests.
45 -- *
46 -- * After a radio measurement is complete the RRM populates the RRMReport
47 -- * objects with the results of the measurement. Each STA maintains a set
48 -- * of RRMReport tables, one for each corresponding measurement type. The
49 -- * results of the entire measurement sequence are spread across the tables
50 -- * based on what types of measurements were requested. Each xxxReportEntry
51 -- * within a xxxReportTable contains a xxxRprtRqstToken that corresponds
52 -- * to the original dot11RRMRqstToken in the measurement request. So the
53 -- * results of the measurement can be collected by searching the appropriate
54 -- * xxxReportTables and retrieve any reports with the matching request
55 -- * token.
56 -- *
57 -- *
58 -- * Similar structures and mechanisms are used for WNM
59 -- * Request and Reports. The WNM MIB definitions follow the RRM MIB definitions
60 -- * in this Annex.
61 -- *
62 -- *
63 -- *
64 -- *
65 dot11WirelessNetworkManagment OBJECT IDENTIFIER ::= { dot11smt 15 }

```

Insert the follow text as the end of Annex Q:

```

-- *****
-- * Wireless Network Management (WNM)
-- *****
dot11WirelessNetworkManagment OBJECT IDENTIFIER ::= { dot11smt 15 }

```

```

1
2 -- *****
3 -- * Wireless Network Management Requests
4 -- *****
5
6 dot11WNMRequest OBJECT IDENTIFIER ::= { dot11WirelessNetworkManagement 1 }
7
8 -- *****
9 -- * dot11WNMRequest TABLE
10 -- *****
11 dot11WNMRequestNextIndex OBJECT-TYPE
12     SYNTAX Unsigned32(0..65535)
13     MAX-ACCESS read-only
14     STATUS current
15     DESCRIPTION
16         "Identifies a hint for the next value of dot11WNMRqstIndex to be used in a
17         row creation attempt for dot11WNMRequestTable. If no new rows can be cre-
18         ated for some reason, such as memory, processing requirements, etc, the SME
19         shall set this attribute to 0. It shall update this attribute to a proper
20         value other than 0 as soon as it is capable of receiving new measurement
21         requests. The nextIndex is not necessarily sequential nor monotonically
22         increasing."
23     ::= { dot11WNMRequest 1 }
24
25 dot11WNMRequestTable OBJECT-TYPE
26     SYNTAX SEQUENCE OF Dot11WNMRequestEntry
27     MAX-ACCESS not-accessible
28     STATUS current
29     DESCRIPTION
30         "This group contains the current list of requests for WNM reports to be
31         issued and have been issued until removed. A network manager adds a WNM
32         request by creating a row with createAndWait row status and then filling in
33         the request parameters/attributes. The request becomes active to be issued
34         when the row status is set to Active. The columnar objects or attributes
35         other than the rowStatus shall not be written if the rowStatus is Active.
36         The request rows can be deleted, if commanded by a network manager via
37         changing the value of dot11WNMRqstRowStatus to Destroy. This may leave
38         orphaned rows if a manager crashes and forgets which rows are being used by
39         it. One recommended way to manage orphaned or finished rows is to delete
40         rows if their dot11WNMRqstRowStatus remains other than Active for longer
41         than a period (recommend at least 5 minutes, RFC 2579). Or another recom-
42         mended way is to delete older rows as needed based on their
43         dot11WNMRqstTimeStamp values. This can be done by the agent as well as the
44         manager. "
45     ::= { dot11WNMRequest 2 }
46
47 dot11WNMRequestEntry OBJECT-TYPE
48     SYNTAX Dot11WNMRequestEntry
49     MAX-ACCESS not-accessible
50     STATUS current
51     DESCRIPTION
52         "An entry in the dot11WNMRequestTable Indexed by dot11WNMRqstIndex."
53     INDEX { dot11WNMRqstIndex }
54     ::= { dot11WNMRequestTable 1 }
55
56 Dot11WNMRequestEntry ::=
57     SEQUENCE {
58         dot11WNMRqstIndex                Unsigned32,
59         dot11WNMRqstRowStatus            RowStatus,
60         dot11WNMRqstToken                OCTET STRING,
61         dot11WNMRqstIfIndex              InterfaceIndex,
62         dot11WNMRqstType                  INTEGER,
63         dot11WNMRqstTargetAdd            MacAddress,
64         dot11WNMRqstTimeStamp            dot11WNMRqstTimeStamp TimeTicks,
65         dot11WNMRqstRndInterval          Unsigned32,
66         dot11WNMRqstDuration              Unsigned32,
67         dot11WNMRqstMcstGroup            MacAddress,
68         dot11WNMRqstMcstTrigCon          OCTET STRING,
69         dot11WNMRqstMcstRprtTimeout      dot11WNMRqstMcstTrigInactivityTimeout INTEGER,
70         dot11WNMRqstMcstTrigTimeout     dot11WNMRqstMcstTrigReactDelay INTEGER,
71         dot11WNMRqstLCRRqstSubject       INTEGER,
72         dot11WNMRqstLCRIntervalUnits     INTEGER,

```

```

1      dot11WNMRqstLCRServiceInterval          INTEGER,
2      dot11WNMRqstLIRRqstSubject             INTEGER,
3      dot11WNMRqstLIRIntervalUnits          INTEGER,
4      dot11WNMRqstLIRServiceInterval        INTEGER,
5      dot11WNMRqstEventToken                INTEGER,
6      dot11WNMRqstEventType                 INTEGER,
7      dot11WNMRqstEventResponseLimit        INTEGER,
8      dot11WNMRqstEventTargetBssid          MacAddress,
9      dot11WNMRqstEventSourceBssid          MacAddress,
10     dot11WNMRqstEventTransitTimeThresh     INTEGER,
11     dot11WNMRqstEventTransitMatchValue     OCTET STRING,
12     dot11WNMRqstEventFreqTransitCountThresh INTEGER,
13     dot11WNMRqstEventFreqTransitInterval   INTEGER,
14     dot11WNMRqstEventRsnaAuthType          OCTET STRING,
15     dot11WNMRqstEapType                    INTEGER,
16     dot11WNMRqstEapVendorId                OCTET STRING,
17     dot11WNMRqstEapVendorType              OCTET STRING,
18     dot11WNMRqstEventRsnaMatchValue        OCTET STRING,
19     dot11WNMRqstEventPeerMacAddress         MacAddress,
20     dot11WNMRqstChanNumber                 INTEGER,
21     dot11WNMRqstRegulatoryClass            INTEGER,
22     dot11WNMRqstChanNumber                 INTEGER,
23     dot11WNMRqstDiagToken                  INTEGER,
24     dot11WNMRqstDiagType                   INTEGER,
25     dot11WNMRqstDiagTimeout                 INTEGER,
26     dot11WNMRqstDiagBssid                  MacAddress,
27     dot11WNMRqstDiagProfileId              INTEGER,
28     dot11WNMRqstDiag8021xCredentialsdot11WNMRqstDiagCredentials INTEGER,
29     dot11WNMRqstLCILocIndParamsdot11WNMRqstLocConfigLocIndParams OCTET STRING,
30     dot11WNMRqstLCIChanListdot11WNMRqstLocConfigChanList OCTET STRING,
31     dot11WNMRqstLCIBcastRatedot11WNMRqstLocConfigBcastRate INTEGER,
32     dot11WNMRqstBssTransitQueryReason      INTEGER,
33     dot11WNMRqstBssTransitReqMode           OCTET STRING,
34     dot11WNMRqstBssTransitDisocTimer       INTEGER,
35     dot11WNMRqstBssTransitCandidateListdot11WNMRqstBssTransitSessInfoURL OCTET
36     STRING,
37     dot11WNMRqstBssTransitValidInterval    INTEGER,
38     dot11WNMRqstBssTransitCandidateList     OCTET STRING,
39     dot11WNMRqstColocInterfAutoEnable      TruthValue,
40     dot11WNMRqstColocInterfRptTimeout      INTEGER,
41     dot11WNMRqstVendorSpecific              OCTET STRING }
42
43 dot11WNMRqstIndex OBJECT-TYPE
44     SYNTAX Unsigned32
45     MAX-ACCESS not-accessible
46     STATUS current
47     DESCRIPTION
48         "Index for WNM Request elements in dot11WNMRequestTable, greater than 0."
49     ::= { dot11WNMRequestEntry 1 }
50
51 dot11WNMRqstRowStatus OBJECT-TYPE
52     SYNTAX RowStatus
53     MAX-ACCESS read-create
54     STATUS current
55     DESCRIPTION
56         "The Row Status column of the current row, used for tracking status of an
57         individual request. When this attribute is set to Active, AND a measure-
58         ment request can be unambiguously created based on the parameters in the
59         row, then the MLME may proceed to issue the request to its intended tar-
60         gets when appropriate. If not, this attribute may be set to Not-ready imme-
61         diately to indicate parametric errors. However, it is the network managers
62         responsibility to correct the error. If the request is successfully issued
63         to the target STA, then the rowStatus is set to notInService."
64     REFERENCE
65         "Clause 7.3.2.21"
66     ::= { dot11WNMRequestEntry 2 }
67
68 dot11WNMRqstToken OBJECT-TYPE
69     SYNTAX OCTET STRING
70     MAX-ACCESS read-create
71     STATUS current
72     DESCRIPTION

```

```

1         "This attribute indicates a unique string to identify this request. To
2         guarantee the uniqueness of this token across multiple network managers, it
3         is recommended that this token be prefixed with the IP address of the net-
4         work manager creating this row. This token is not necessarily equivalent to
5         the measurement tokens in WNM request frames."
6     ::= { dot11WNMRequestEntry 3 }
7
8     dot11WNMRqstIfIndex OBJECT-TYPE
9         SYNTAX InterfaceIndex
10        MAX-ACCESS read-create
11        STATUS current
12        DESCRIPTION
13            "The ifIndex for this row of WNM Request to be issued on."
14        ::= { dot11WNMRequestEntry 4 }
15
16    dot11WNMRqstType OBJECT-TYPE
17        SYNTAX INTEGER {
18            mcastDiagnostics(0),
19            locationCivic(1),
20            locationIdentifier(2),
21            event(3),
22            dignostic(4)
23            LocationConfiguration(5)
24            bssTransitionQuery(6)
25            bssTransitionRqst(7)
26            fms(8)
27            ColocInterference(9)
28        }
29        MAX-ACCESS read-create
30        STATUS current
31        DESCRIPTION
32            "This attribute indicates the request type of this WNM request row."
33        ::= { dot11WNMRequestEntry 5 }
34
35    dot11WNMRqstTargetAdd OBJECT-TYPE
36        SYNTAX MacAddress
37        MAX-ACCESS read-create
38        STATUS current
39        DESCRIPTION
40            "The MAC address of STA for this row of RRM-WNM Request is to be issued to.
41            If
42            this attribute matches the MAC address of the
43            dot11RRMRqstIfIndexdot11WNMRqstIfIndex, then measurement request is for
44            this STA itself to carry out."
45        ::= { dot11RRMRequestEntrydot11WNMRequestEntry 6 }
46
47    dot11RRMRqstTimeStampdot11WNMRqstTimeStamp OBJECT-TYPE
48        SYNTAX TimeTicks
49        MAX-ACCESS read-only
50        STATUS current
51        DESCRIPTION
52            "This attribute indicates the SysUpTime Value the last time when the
53            dot11RRMRqstRowStatusdot11WNMRqstRowStatus is set to active or when this
54            row is created the first time. This attribute shall be set by this STA or
55            AP automatically, not by an SNMP manager."
56        ::= { dot11WNMRequestEntry 7 }
57
58    dot11WNMRqstRndInterval OBJECT-TYPE
59        SYNTAX Unsigned32
60        UNITS "TUs"
61        MAX-ACCESS read-create
62        STATUS current
63        DESCRIPTION
64            "This attribute indicates the upper bound of the random delay to be used
65            prior to making the measurement, expressed in units of TUs. See 11.10.2."
66        DEFVAL { 0 }
67        ::= { dot11WNMRequestEntry 8 }
68
69    dot11WNMRqstDuration OBJECT-TYPE
70        SYNTAX Unsigned32
71        UNITS "TUs"

```

```

1      MAX-ACCESS read-create
2      STATUS current
3      DESCRIPTION
4          "This attribute indicates the preferred or mandatory measurement duration
5          for this Measurement Request. This attribute is ignored if dot11WNMRqstType
6          = LCI Request or Measurement Pause."
7      DEFVAL { 0 }
8      ::= { dot11WNMRequestEntry 9 }
9
10     dot11WNMRqstMcstGroup OBJECT-TYPE
11         SYNTAX MacAddress
12         MAX-ACCESS read-create
13         STATUS current
14         DESCRIPTION
15             "Multicast Group address indicates the MAC address of the multicast group
16             for which diagnostics are requested. The BSSID shall be set to the wild-
17             card BSSID when the measurement is to be performed on any multicast group
18             on the operating channel. This attribute is only valid if the
19             dot11WNMRqstType is 10, indicating a multicast diagnostic request, and is
20             ignored otherwise."
21         DEFVAL { 'FFFFFFFFFFFF'H }
22         ::= { dot11WNMRequestEntry 10 }
23
24     dot11WNMmcstTrigCon OBJECT-TYPE
25         SYNTAX OCTET STRING (SIZE(1))
26         MAX-ACCESS read-create
27         STATUS current
28         DESCRIPTION
29             "This attribute indicates the trigger condition for the Multicast Diag-
30             nostic request."
31         ::= { dot11WNMRequestEntry 11 }
32
33     dot11WNMRqstMcstRprtTimeout dot11WNMRqstMcstTrigInactivityTimeout OBJECT-TYPE
34         SYNTAX INTEGER (1..255)
35         UNITS "100 TUs"
36         MAX-ACCESS read-create
37         STATUS current
38         DESCRIPTION
39             "This attribute indicates a the time interval value in units of 100 TU to
40             be used use as the threshold value for the Report Trigger Inactivity Timeout
41             trigger condition."
42         ::= { dot11WNMRequestEntry 12 }
43
44     dot11WNMRqstMcstTrigTimeout dot11WNMRqstMcstTrigReactDelay OBJECT-TYPE
45         SYNTAX INTEGER (1..255)
46         UNITS "100 TUs"
47         MAX-ACCESS read-create
48         STATUS current
49         DESCRIPTION
50             "This attribute indicates the time interval value in units of 100 TU dur-
51             ing which a measuring STA does not generate further Multicast Triggered
52             Reports after a trigger condition has been met."
53         ::= { dot11WNMRequestEntry 13 }
54
55     dot11WNMRqstLCRRqstSubject OBJECT-TYPE
56         SYNTAX INTEGER {
57             local(0),
58             remote(1)
59         }
60         MAX-ACCESS read-create
61         STATUS current
62         DESCRIPTION
63             "The attribute indicates the subject of the LCR request Location Civic
64             Request."
65         DEFVAL { 0 }
66         ::= { dot11WNMRequestEntry 14 }
67
68     dot11WNMRqstLCRIntervalUnits OBJECT-TYPE
69         SYNTAX INTEGER {
70             seconds(0),
71             minutes(1),
72             hours(2),

```

```

1         }
2     MAX-ACCESS read-create
3     STATUS current
4     DESCRIPTION
5         "This attribute indicates the units used in the LCR-Location Civic Request
6         Service Interval."
7     ::= { dot11WNMRequestEntry 15 }
8
9 dot11WNMRqstLCRServiceInterval OBJECT-TYPE
10    SYNTAX INTEGER (0..65535)
11    MAX-ACCESS read-only
12    STATUS current
13    DESCRIPTION
14        "This attribute indicates the periodic interval requested for periodic
15        reporting of Location Civic Reports."
16    ::= { dot11WNMRequestEntry 16 }
17
18 dot11WNMRqstLIRrqstSubject OBJECT-TYPE
19    SYNTAX INTEGER {
20        local(0),
21        remote(1)
22    }
23    MAX-ACCESS read-create
24    STATUS current
25    DESCRIPTION
26        "The attribute indicates the subject of the LIR-requestLocation Identifier
27        Request."
28    DEFVAL { 0 }
29    ::= { dot11WNMRequestEntry 17 }
30
31 dot11WNMRqstLIRIntervalUnits OBJECT-TYPE
32    SYNTAX INTEGER {
33        seconds(0),
34        minutes(1),
35        hours(2),
36    }
37    MAX-ACCESS read-create
38    STATUS current
39    DESCRIPTION
40        "This attribute indicates the units used in the LIR-Location Identifier
41        Request Service Interval."
42    ::= { dot11WNMRequestEntry 18 }
43
44 dot11WNMRqstLIRServiceInterval OBJECT-TYPE
45    SYNTAX INTEGER (0..65535)
46    MAX-ACCESS read-only
47    STATUS current
48    DESCRIPTION
49        "This attribute indicates the periodic interval requested for periodic
50        reporting of Location Identifier Reports."
51        "This attribute indicates the time interval, expressed in the units indi-
52        cated in the Location Service Interval Units field, at which the STA
53        requests to receive Location Identifier Reports. A Location Service Inter-
54        val of 0 indicates that only a single Location Identifier Report is
55        requested."
56    ::= { dot11WNMRequestEntry 19 }
57
58 dot11WNMRqstEventToken OBJECT-TYPE
59    SYNTAX INTEGER (1..255)
60    MAX-ACCESS read-create
61    STATUS current
62    DESCRIPTION
63        "This attribute indicates a unique string to identify this request."
64    ::= { dot11WNMRequestEntry 20 }
65
66 dot11WNMRqstEventType OBJECT-TYPE
67    SYNTAX INTEGER {
68        transition(0),
69        rsna(1),
70        peerToPeer(2),
71        WNMLog(3),

```

```

1         vendorSpecific(221)
2     }
3     MAX-ACCESS read-create
4     STATUS current
5     DESCRIPTION
6         "This attribute indicates the request type of this WNM Event request."
7     ::= { dot11WNMRequestEntry 21 }
8
9     dot11WNMRqstEventResponseLimit OBJECT-TYPE
10        SYNTAX INTEGER {0..255}
11        MAX-ACCESS read-create
12        STATUS current
13        DESCRIPTION
14            "This attribute indicates the maximum number of requested Event Reports to
15            be included in the Event Report Element."
16            "This attribute indicates the maximum number of requested Event Reports to
17            be included in the Event Report element. A value of 0 indicates that no
18            limit is set on the number of Event Reports to be included in the Event
19            Report element."
20        ::= { dot11WNMRequestEntry 22 }
21
22        dot11WNMRqstEventTargetBssid OBJECT-TYPE
23            SYNTAX MacAddress
24            MAX-ACCESS read-create
25            STATUS current
26            DESCRIPTION
27                "This attribute is used to request that a Transition or RSNA Event Report
28                includes the event entry when the target BSSID is equal to the indicated
29                BSSID. A transition event is a STA movement or attempted movement from one
30                BSS (the source BSS) in one ESS to another BSS (the target BSS) within the
31                same ESS. The BSSID shall be set to the wildcard BSSID when the transi-
32                tions to any BSSID is requested."
33            DEFVAL { 'FFFFFFFFFFFF'H }
34            ::= { dot11WNMRequestEntry 23 }
35
36        dot11WNMRqstEventSourceBssid OBJECT-TYPE
37            SYNTAX MacAddress
38            MAX-ACCESS read-create
39            STATUS current
40            DESCRIPTION
41                "This attribute is used to request that a Transition Event Report includes
42                the transition event entry when the source BSSID is equal to the indicated
43                BSSID. A transition event is a STA movement or attempted movement from one
44                BSS (the source BSS) in one ESS to another BSS (the target BSS) within the
45                same ESS. The BSSID shall be set to the wildcard BSSID when the transi-
46                tions from any BSSID is requested."
47            DEFVAL { 'FFFFFFFFFFFF'H }
48            ::= { dot11WNMRequestEntry 24 }
49
50        dot11WNMRqstEventTransitTimeThresh OBJECT-TYPE
51            SYNTAX INTEGER (0..65535)
52            UNITS "TUs"
53            MAX-ACCESS read-create
54            STATUS current
55            DESCRIPTION
56                "This attribute indicates a value representing the transition time to be
57                used as the threshold value for the Transition Time condition in TUs. The
58                Transition Time is defined in 11.2022.32.2"
59            ::= { dot11WNMRequestEntry 25 }
60
61        dot11WNMRqstEventTransitMatchValue OBJECT-TYPE
62            SYNTAX OCTET STRING (SIZE(1))
63            MAX-ACCESS read-create
64            STATUS current
65            DESCRIPTION
66                "This attribute indicates a request for the specified transition results
67                that match the bit descriptions of this field. b0 indicates match when
68                transition is successful. b1 indicates match when transition fails."
69            ::= { dot11WNMRequestEntry 26 }
70
71        dot11WNMRqstEventFreqTransitCountThresh OBJECT-TYPE
72            SYNTAX INTEGER {0..255}

```



```

1      MAX-ACCESS read-create
2      STATUS current
3      DESCRIPTION
4          "This attribute indicates the minimum number of matching transitions
5          detected in the measurement duration to generate a Transition Event
6          Report."
7      ::= { dot11WNMRequestEntry 27 }
8
9      dot11WNMRqstEventFreqTransitInterval OBJECT-TYPE
10     SYNTAX INTEGER (0..65535)
11     UNITS "TUs"
12     MAX-ACCESS read-create
13     STATUS current
14     DESCRIPTION
15         "This attribute indicates the sliding window time interval, in TUs, during
16         which the STA detects mathing matching transitions to determine if the Fre-
17         quent Transition Count Threshold is exceeded in order to generate a Transi-
18         tion Event Report. "
19     ::= { dot11WNMRequestEntry 28 }
20
21     dot11WNMRqstEventRsnaAuthType OBJECT-TYPE
22     SYNTAX OCTET STRING (SIZE(4))
23     MAX-ACCESS read-create
24     STATUS current
25     DESCRIPTION
26         "This attribute indicates one of the AKM suite selectors defined in Table
27         7-34 in 7.3.2.25.2."
28         "This attribute is used to request that an RSNA Event Report include the
29         event entry when its RSNA Authentication Type matches the indicated RSNA
30         authentication type value."
31     ::= { dot11WNMRequestEntry 29 }
32
33     dot11WNMRqstEapType OBJECT-TYPE
34     SYNTAX INTEGER {0..255}
35     MAX-ACCESS read-create
36     STATUS current
37     DESCRIPTION
38         "This attribute indicates a value that identifies a single EAP method and
39         is set to any valid IANA assigned EAP type as defined at http://
40         www.iana.org/assignments/eap-numbers."
41         "This attribute is used to request that an RSNA Event Report include the
42         event entry when its EAP Type matches the indicated EAP type value. Valid
43         EAP Type numbers are assigned by IANA and are defined at http://
44         www.iana.org/assignments/eap-numbers."
45     ::= { dot11WNMRequestEntry 30 }
46
47     dot11WNMRqstEapVendorId OBJECT-TYPE
48     SYNTAX OCTET STRING (SIZE(0..3))
49     MAX-ACCESS read-create
50     STATUS current
51     DESCRIPTION
52         "This attribute indicates a value is used to request that identifies an
53         RSNA Event Report include the event entry when its EAP Vendor Vendor ID
54         matches the indicated vendor ID value. The EAP Vendor ID field is included
55         when the EAP Type field is set to 254, and is excluded otherwise."
56     ::= { dot11WNMRequestEntry 31 }
57
58     dot11WNMRqstEapVendorType OBJECT-TYPE
59     SYNTAX OCTET STRING (SIZE(0..4))
60     MAX-ACCESS read-create
61     STATUS current
62     DESCRIPTION
63         "This attribute indicates value is used to request that identifies an RSNA
64         Event Report include the event entry when its EAP Vendor Type as defined by
65         matches the vendor indicated EAP vendor type value. The EAP Vendor Type-ID
66         field is included when the EAP Type field is set to 254, and is excluded
67         otherwise."
68     ::= { dot11WNMRequestEntry 32 }
69
70     dot11WNMRqstEventRsnaMatchValue OBJECT-TYPE
71     SYNTAX OCTET STRING (SIZE(1))
72     MAX-ACCESS read-create

```

```

1      STATUS current
2      DESCRIPTION
3          "This attribute indicates a request for the specified transition results
4          that match the bit descriptions of this field.  b0 indicates match when
5          RSNA is successful.  b1 indicates match when RSNA fails."
6      ::= { dot11WNMRequestEntry 33 }
7
8      dot11WNMRqstEventPeerMacAddress OBJECT-TYPE
9      SYNTAX MacAddress
10     MAX-ACCESS read-create
11     STATUS current
12     DESCRIPTION
13         "This attribute is used to request that a Peer-to-Peer Event Report
14         includes the transition event entry when the MAC address of the peer STA or
15         IBSS BSSID is equal to the indicated MAC address.  The MAC address shall
16         be set to the wildcard BSSID when the transitions from any peer STA or IBSS
17         BSSID is requested."
18     DEFVAL { 'FFFFFFFFFFFF'H }
19     ::= { dot11WNMRequestEntry 34 }
20
21     dot11WNMRqstRegulatoryClass OBJECT-TYPE
22     SYNTAX INTEGER(1..255)
23     MAX-ACCESS read-create
24     STATUS current
25     DESCRIPTION
26         "This attribute indicates the channel set for this WNM request.  Country,
27         Regulatory Class and Channel Number together specify the channel frequency
28         and spacing for this measurement request.  Valid values of Regulatory Class
29         are shown in Annex J."
30     REFERENCE
31         "Annex J"
32     ::= { dot11WNMRequestEntry 35 }
33
34     dot11WNMRqstChanNumber OBJECT-TYPE
35     SYNTAX INTEGER (1..255)
36     MAX-ACCESS read-create
37     STATUS current
38     DESCRIPTION
39         "This attribute indicates the current operating channel for this WNM
40         request.  The Channel Number is only defined within the indicated Regula-
41         tory Class for this WNM requestas shown in Annex J."
42     ::= { dot11WNMRequestEntry 36 }
43
44     dot11WNMRqstDiagToken OBJECT-TYPE
45     SYNTAX INTEGER (1..255)
46     MAX-ACCESS read-create
47     STATUS current
48     DESCRIPTION
49         "This attribute indicates a unique string to identify this request."
50     ::= { dot11WNMRequestEntry 37 }
51
52     dot11WNMRqstDiagType OBJECT-TYPE
53     SYNTAX INTEGER {
54         cancelRequest(0),
55         manufacturerInfoStaRep(1),
56         configurationProfile(2),
57         associationDiag(3),
58         ieee8021xAuthDiag(4),
59         vendorSpecific(221)
60     }
61     MAX-ACCESS read-create
62     STATUS current
63     DESCRIPTION
64         "This attribute indicates the request type of this WNM Diagnostic request."
65     ::= { dot11WNMRequestEntry 38 }
66
67     dot11WNMRqstDiagTimeout OBJECT-TYPE
68     SYNTAX INTEGER (0..65535)
69     UNITS "seconds"
70     MAX-ACCESS read-create
71     STATUS current
72     DESCRIPTION

```

```

1         "This attribute indicates a value representing the time interval after a
2         Diagnostic Report is generated during which no additional Diagnostic
3         Reports shall be sent."
4     ::= { dot11WNMRequestEntry 39 }
5
6 dot11WNMRqstDiagBssid OBJECT-TYPE
7     SYNTAX MacAddress
8     MAX-ACCESS read-create
9     STATUS current
10    DESCRIPTION
11        "This attribute indicates a request for a Diagnostic Report from the indi-
12        cated BSSID. The BSSID shall be set to the wildcard BSSID when diagnostics
13        from any BSSID is requested."
14    DEFVAL { 'FFFFFFFFFFFF'H }
15    ::= { dot11WNMRequestEntry 40 }
16
17 dot11WNMRqstDiagProfileId OBJECT-TYPE
18     SYNTAX INTEGER (1..255)
19     MAX-ACCESS read-create
20     STATUS current
21     DESCRIPTION
22        "This attribute indicates a unique identifier for referencing a configura-
23        tion profile available on a device. The value of the identifier can be any
24        arbitrary value, as long as it is uniquely associated to a single configu-
25        ration profile on the device sending the identifier."
26    ::= { dot11WNMRequestEntry 41 }
27
28 dot11WNMRqstDiag8021xCredentials dot11WNMRqstDiagCredentials OBJECT-TYPE
29     SYNTAX INTEGER {
30         none(0),
31         pre-sharedKey(1),
32         usernamePassword(32),
33         otherCertificate(43),
34         oneTimePassword(54),
35         tokenOneTimePassword(65),
36         certificateUsernamePasswordToken(76),
37         certificateToken(8),
38     }
39     MAX-ACCESS read-create
40     STATUS current
41     DESCRIPTION
42        "This attribute indicates the type of credential used for the 8021x authen-
43        tication."
44    ::= { dot11WNMRequestEntry 42 }
45
46 dot11WNMRqstLCILocIndParams dot11WNMRqstLocConfigLocIndParams OBJECT-TYPE
47     SYNTAX OCTET STRING (SIZE(1716))
48     MAX-ACCESS read-create
49     STATUS current
50     DESCRIPTION
51        "This attribute indicates STA Location reporting characteristics. The for-
52        mat of these Location Indication Parameters are detailed in 7.3.2.6670.2"
53    ::= { dot11WNMRequestEntry 43 }
54
55 dot11WNMRqstLCIChanList dot11WNMRqstLocConfigChanList OBJECT-TYPE
56     SYNTAX OCTET STRING (SIZE(0..255252))
57     MAX-ACCESS read-create
58     STATUS current
59     DESCRIPTION
60        "This attribute lists location reporting channel information for this LCI-
61        Location Configuration request. Zero length is the null default for this
62        attribute. Each pair of octets indicates a different regulatory class and
63        channel number for this request. The detailed format for this list of
64        channels is described in 7.3.2.6670.3"
65    DEFVAL { ''H }
66    ::= { dot11WNMRequestEntry 44 }
67
68 dot11WNMRqstLCIBcastRate dot11WNMRqstLocConfigBcastRate OBJECT-TYPE
69     SYNTAX INTEGER (0..65535)
70     UNITS "0.5Mbps"
71     MAX-ACCESS read-create
72     STATUS current

```

```

1      DESCRIPTION
2          "This attribute indicates the data rate, in 0.5Mb/s units, at which the STA
3          broadcasts Location Track Notification frames."
4          "This attribute indicates the target data rate, in 0.5Mb/s units, at which
5          the STA transmits Location Track Notification frames. A value of 0 indi-
6          cates the STA transmits Location Track Notification frames at a rate cho-
7          sen by the STA transmitting the Location Track Notification frames."
8      ::= { dot11WNMRequestEntry 45 }
9
10     dot11WNMRqstBssTransitQueryReason OBJECT-TYPE
11     SYNTAX INTEGER {
12         unspecified(0),
13         unspecifiedexcessiveFrameLossRatesPoorConditions(01),
14         excessiveFrameLossRatesPoorConditionsexcessiveDelayForCurrent-
15         TrafficStreams(12),
16         excessiveDelayForCurrentTrafficStreamsinsufficientQosCapaci-
17         tyForCurrentTrafficStreams(23),
18         insufficientQosCapacityForCurrentTrafficStreamsfirstAssociationToEss(34),
19         firstAssociationToEssloadBalancing(45),
20         loadBalancingbetterApFound(56),
21         betterApFounddeauthenticatedDisassociatedFromPreviousAp(67),
22         deauthenticatedDisassociatedFromPreviousApapFailedIeee8021XEapAuthenticatio
23         n(78),
24         certificateTokenapFailed4wayHandshake(89),
25         apFailedIeee8021XEapAuthenticationreceivedTooManyReplayCounterFailures(910)
26         ,
27         apFailed4wayHandshakereceivedTooManyDataMICFailures(1011),
28         excessiveDataMICFailuresexceededMaxNumberOfRetransmissions(1112),
29         exceededFrameTransmissionRetryLimitreceivedTooManyBroadcast-
30         Disassociations(1213),
31         excessiveBroadcastDisassociationsreceivedTooManyBroadcastDeau-
32         thentications(1314),
33         excessiveBroadcastDeauthenticationspreviousTransitionFailed(1415),
34         previousTransitionFailedlowRSSI(1516)
35     }
36     MAX-ACCESS read-create
37     STATUS current
38     DESCRIPTION
39         "This attribute indicates the reason for the BSS Transition Query. The
40         format for this list of reasons is further detailed in 7.3.2.63.2."
41     ::= { dot11WNMRequestEntry 46 }
42
43     dot11WNMRqstBssTransitReqMode OBJECT-TYPE
44     SYNTAX OCTET STRING (SIZE(1))
45     MAX-ACCESS read-create
46     STATUS current
47     DESCRIPTION
48         "This attribute indicates the type of BSS request transition. b0 indi-
49         cates the Preferred Candidate list is included in this frame. b1 indicates
50         sn sbridged format for all BSSIDs not listed in this frame. b2 indicates
51         that the STA will be disassociated for the current AAP. b3 indicates the
52         BSS is shutting down and that the STA will be disassociated. b4 inidcates
53         that the will be disassociated from ththe ESS. The format for this field is
54         detailed in 7.4.1112.89."
55     ::= { dot11WNMRequestEntry 47 }
56
57     dot11WNMRqstBssTransitDisocTimer OBJECT-TYPE
58     SYNTAX INTEGER (10..25565535)
59     UNITS "TBTTs"
60     MAX-ACCESS read-create
61     STATUS current
62     DESCRIPTION
63         "This attribute indicates the number of beacon transmission times (TBTTs)
64         until the serving AP sends a Disassociation frame to this STA. Value zero
65         indicates unknown. If the Disassociation Imminent bit of the Request Mode
66         field is set to 0, this field is ignored."
67     ::= { dot11WNMRequestEntry 48 }
68
69     dot11WNMRqstBssTransitValidityInterval-dot11WNMRqstBssTransitSessInfoURL OBJECT-TYPE
70     SYNTAX INTEGER (1..255)
71     UNITS "TBTTs"
72     SYNTAX OCTET STRING

```

```

1      MAX-ACCESS read-create
2      STATUS current
3      DESCRIPTION
4          "This attribute indicates the number of beacon transmission times (TBTTs)
5          until this recommendation of this BSS transition candidate is no longer
6          valid."
7      DESCRIPTION
8          "This attribute contains a variable-length field formatted in accordance
9          with IETF RFC 3986-2005."
10     ::= { dot11WNMRequestEntry 49 }
11
12 dot11WNMRqstBssTransitCandidateList OBJECT-TYPE
13     SYNTAX OCTET STRING (SIZE(0..2304))
14     MAX-ACCESS read-create
15     STATUS current
16     DESCRIPTION
17         "This attribute lists one or more Neighbor Report elements described in
18         7.3.2.37. If the STA has no Transition Candidate information in response to
19         the BSS Transition Management Query frame, the candidate list size is set
20         to 0. "
21     ::= { dot11WNMRequestEntry 50 }
22
23 dot11WNMRqstColocInterfAutoEnable OBJECT-TYPE
24     SYNTAX TruthValue
25     MAX-ACCESS read-create
26     STATUS current
27     DESCRIPTION
28         "This attribute, when TRUE, indicates that the requesting STA requests the
29         receiving STA to send the Collocated Interference Response frames automati-
30         cally periodically with the Report Period interval, as defined in
31         7.4.11.12.13, or when the STA detects a change in the collocated interfer-
32         ence."
33     ::= { dot11WNMRequestEntry 51 }
34
35 dot11WNMRqstColocInterfRptTimeout OBJECT-TYPE
36     SYNTAX INTEGER (0..127)
37     UNITS "100 TUs"
38     MAX-ACCESS read-create
39     STATUS current
40     DESCRIPTION
41         "This attribute indicates the minimum duration between two consecutive Col-
42         located Interference Response frames from the reporting STA."
43     ::= { dot11WNMRequestEntry 52 }
44
45 dot11WNMRqstVendorSpecific OBJECT-TYPE
46     SYNTAX OCTET STRING (SIZE(0..255))
47     MAX-ACCESS read-create
48     STATUS current
49     DESCRIPTION
50         "This attribute provides an envelope for any optional vendor specific sub-
51         elements which may be included in a WNM request element. Zero length is the
52         null default for this attribute."
53     DEFVAL { 'H' }
54     ::= { dot11WNMRequestEntry 53 }
55
56 -- *****
57 -- * End of dot11WNMRequest TABLE
58 -- *****
59
60 -- *****
61 -- * Wireless Network Management Reports:
62 -- * Report tables contain WNM reports received by this STA or
63 -- * results of WNM requests performed by this STA.
64 -- *****
65
66 dot11WNMReport OBJECT IDENTIFIER ::= { dot11WirelessNetworkManagement 2 }
67
68 -- *****
69 -- * dot11WNMVendorSpecificReport TABLE
70 -- *****
71 dot11WNMVendorSpecificReportTable OBJECT-TYPE
72     SYNTAX SEQUENCE OF Dot11WNMVendorSpecificReportEntry

```

```

1      MAX-ACCESS not-accessible
2      STATUS current
3      DESCRIPTION
4          "Group contains the current list of Vendor Specific reports that have been
5          received by the MLME. The report tables shall be maintained as FIFO to pre-
6          serve freshness, thus the rows in this table can be deleted for memory con-
7          straints or other implementation constraints determined by the vendor. New
8          rows shall have different RprtIndex values than those deleted within the
9          range limitation of the index. One easy way is to monotonically increase
10         RprtIndex for new reports being written in the table."
11     ::= { dot11WNMReport 1 }
12
13 dot11WNMVendorSpecificReportEntry OBJECT-TYPE
14     SYNTAX Dot11WNMVendorSpecificReportEntry
15     MAX-ACCESS not-accessible
16     STATUS current
17     DESCRIPTION
18         "An entry in the dot11WNMVendorSpecificReportTable Indexed by
19         dot11WNMVendorSpecificRprtIndex."
20     INDEX { dot11WNMVendorSpecificRprtIndex }
21     ::= { dot11WNMVendorSpecificReportTable 1 }
22
23 Dot11WNMVendorSpecificReportEntry ::=
24     SEQUENCE {
25         dot11WNMVendorSpecificRprtIndex                Unsigned32,
26         dot11WNMVendorSpecificRprtRqstToken           OCTET STRING,
27         dot11WNMVendorSpecificRprtIfIndex             InterfaceIndex,
28         dot11WNMVendorSpecificRprtContent             OCTET STRING }
29
30 dot11WNMVendorSpecificRprtIndex OBJECT-TYPE
31     SYNTAX Unsigned32
32     MAX-ACCESS not-accessible
33     STATUS current
34     DESCRIPTION
35         "Index for Vendor Specific Report elements in
36         dot11WNMVendorSpecificReportTable, greater than 0."
37     ::= { dot11WNMVendorSpecificReportEntry 1 }
38
39 dot11WNMVendorSpecificRprtRqstToken OBJECT-TYPE
40     SYNTAX OCTET STRING
41     MAX-ACCESS read-only
42     STATUS current
43     DESCRIPTION
44         "This attribute indicates the request token that was indicated in the WNM
45         request that generated this measurement report. This should be an exact
46         match to the original dot11WNMRqstToken attribute. Note that there may be
47         multiple entries in the table that match this value since a single request
48         may generate multiple WNM reports."
49     ::= { dot11WNMVendorSpecificReportEntry 2 }
50
51 dot11WNMVendorSpecificRprtIfIndex OBJECT-TYPE
52     SYNTAX InterfaceIndex
53     MAX-ACCESS read-only
54     STATUS current
55     DESCRIPTION
56         "The ifIndex for this row of WNMVendorSpecific Report has been received
57         on."
58     ::= { dot11WNMVendorSpecificReportEntry 3 }
59
60 dot11WNMVendorSpecificRprtContent OBJECT-TYPE
61     SYNTAX OCTET STRING (SIZE(0..255))
62     MAX-ACCESS read-create
63     STATUS current
64     DESCRIPTION
65         "This attribute provides an envelope for all the vendor specific subele-
66         ments which may be included in a WNM Vendor Specific request element. Zero
67         length is the null default for this attribute."
68     DEFVAL { 'H' }
69     ::= { dot11WNMVendorSpecificReportEntry 4 }
70
71 -- *****
72 -- * End of dot11WNMVendorSpecificReport TABLE

```

```

1  -- *****
2
3  -- *****
4  -- * dot11WNMMulticastDiagnosticReport TABLE
5  -- *****
6      dot11WNMMulticastDiagnosticReportTable OBJECT-TYPE
7      SYNTAX SEQUENCE OF Dot11WNMMulticastDiagnosticReportEntry
8      MAX-ACCESS not-accessible
9      STATUS current
10     DESCRIPTION
11         "Group contains the current list of Multicast Diagnostic reports that have
12         been received by the MLME. The report tables shall be maintained as FIFO to
13         preserve freshness, thus the rows in this table can be deleted for memory
14         constraints or other implementation constraints determined by the vendor.
15         New rows shall have different RprtIndex values than those deleted within
16         the range limitation of the index. One easy way is to monotonically
17         increase RprtIndex for new reports being written in the table."
18     ::= { dot11WNMMReport 2 }
19
20 dot11WNMMulticastDiagnosticReportEntry OBJECT-TYPE
21 SYNTAX Dot11WNMMulticastDiagnosticReportEntry
22 MAX-ACCESS not-accessible
23 STATUS current
24 DESCRIPTION
25     "An entry in the dot11WNMMulticastDiagnosticReportTable Indexed by
26     dot11WNMMulticastDiagnosticRprtIndex."
27 INDEX { dot11WNMMulticastDiagnosticRprtIndex }
28 ::= { dot11WNMMulticastDiagnosticReportTable 1 }
29
30 Dot11WNMMulticastDiagnosticReportEntry ::=
31 SEQUENCE {
32     dot11WNMMulticastDiagnosticRprtIndex                Unsigned32,
33     dot11WNMMulticastDiagnosticRprtRqstToken            OCTET STRING,
34     dot11WNMMulticastDiagnosticRprtIfIndex              InterfaceIndex,
35     dot11WNMMulticastDiagnosticRprtMeasurementTime     TSFType,
36     dot11WNMMulticastDiagnosticRprtDuration            Unsigned32,
37     dot11WNMMulticastDiagnosticRprtMcstGroup           MacAddress,
38     dot11WNMMulticastDiagnosticRprtReason              OCTET STRING,
39     dot11WNMMulticastDiagnosticRprtRcvdMsduCount       Unsigned32,
40     dot11WNMMulticastDiagnosticRprtFirstSeqNumber      INTEGER,
41     dot11WNMMulticastDiagnosticRprtLastSeqNumber       INTEGER,
42     dot11WNMMulticastDiagnosticRprtMcstRate            INTEGER }
43
44 dot11WNMMulticastDiagnosticRprtIndex OBJECT-TYPE
45 SYNTAX Unsigned32
46 MAX-ACCESS not-accessible
47 STATUS current
48 DESCRIPTION
49     "Index for Multicast Diagnostic Report elements in
50     dot11WNMMulticastDiagnosticReportTable, greater than 0."
51 ::= { dot11WNMMulticastDiagnosticReportEntry 1 }
52
53 dot11WNMMulticastDiagnosticRprtRqstToken OBJECT-TYPE
54 SYNTAX OCTET STRING
55 MAX-ACCESS read-only
56 STATUS current
57 DESCRIPTION
58     "This attribute indicates the request token that was indicated in the WNM
59     request that generated this measurement report. This should be an exact
60     match to the original dot11WNMRqstToken attribute. Note that there may be
61     multiple entries in the table that match this value since a single request
62     may generate multiple WNM reports."
63 ::= { dot11WNMMulticastDiagnosticReportEntry 2 }
64
65 dot11WNMMulticastDiagnosticRprtIfIndex OBJECT-TYPE
66 SYNTAX InterfaceIndex
67 MAX-ACCESS read-only
68 STATUS current
69 DESCRIPTION
70     "The ifIndex for this row of WNMmulticastDiagnostic Report has been
71     received on."
72 ::= { dot11WNMMulticastDiagnosticReportEntry 3 }

```

```

1
2 dot11WNMMulticastDiagnosticRprtMeasurementTime OBJECT-TYPE
3     SYNTAX TSFType
4     MAX-ACCESS read-only
5     STATUS current
6     DESCRIPTION
7         "This attribute indicates the TSF value at the time when the
8         measurement started."
9         "This attribute indicates the value of the STA TSF timer at the time the
10        measurement started. For a triggered Multicast Diagnostics report, this is
11        the TSF value at the reporting STA when the trigger condition was met. When
12        the reason for sending the report is Performance Measurement and the Multi-
13        cast Received MSDU Count is nonzero, the Measurement Time field is set to
14        the value of the STA TSF timer at the time of the first multicast MSDU
15        received during the measurement interval."
16    ::= { dot11WNMMulticastDiagnosticReportEntry 4 }
17
18 dot11WNMMulticastDiagnosticRprtDuration OBJECT-TYPE
19     SYNTAX Unsigned32
20     UNITS "TUs"
21     MAX-ACCESS read-create
22     STATUS current
23     DESCRIPTION
24         "This attribute indicates the actual duration used for this Measurement
25         Request. This attribute is ignored if dot11WNMRqstType = LCI Request or
26         Measurement Pauseperiod over which the Multicast Diagnostic Report was gen-
27         erated, expressed in units of TUs."
28     DEFVAL { 0 }
29    ::= { dot11WNMMulticastDiagnosticReportEntry 5 }
30
31 dot11WNMMulticastDiagnosticRprtMcastGroup OBJECT-TYPE
32     SYNTAX MacAddress
33     MAX-ACCESS read-create
34     STATUS current
35     DESCRIPTION
36         "Multicast Group address indicates the MAC address of the multicast group
37         for for this report element."
38     DEFVAL { 'FFFFFFFFFFFF'H }
39    ::= { dot11WNMMulticastDiagnosticReportEntry 6 }
40
41 dot11WNMMulticastDiagnosticRprtReason OBJECT-TYPE
42     SYNTAX OCTET STRING (SIZE(1))
43     MAX-ACCESS read-create
44     STATUS current
45     DESCRIPTION
46         "This attribute indicates the reason why the measuring STA sent the Multi-
47         cast Diagnostics report.  b0 indicates Report Inactiilty Timeout Trigger.
48         b1 indicates the measurement result from the Performance Measurement com-
49         pleted measurement. These are defined further in 7.3.22.10a."
50    ::= { dot11WNMMulticastDiagnosticReportEntry 7 }
51
52 dot11WNMMulticastDiagnosticRprtRcvdMsduCount OBJECT-TYPE
53     SYNTAX Unsigned32
54     MAX-ACCESS read-create
55     STATUS current
56     DESCRIPTION
57         "This attribute indicates the total number of multicast MSDUs with the
58         indicated Multicast MAC Address that were received during the Measurement
59         Duration. For a triggered multicast diagnostics measurement this is the
60         total number of frames MSDUs received between the acceptance of the multi-
61         cast diagnostics measurement request and the occurrence of the trigger con-
62         dition for MSDUs with the indicated Multicast MAC Address."
63     DEFVAL { 0 }
64    ::= { dot11WNMMulticastDiagnosticReportEntry 8 }
65
66 dot11WNMMulticastDiagnosticRprtFirstSeqNumber OBJECT-TYPE
67     SYNTAX INTEGER (0..65535)
68     MAX-ACCESS read-only
69     STATUS current
70     DESCRIPTION
71         "This attribute indicates the twelve least significant bits of the First
72         Sequence Number field. When the LSB of the first octet of the Multicast MAC

```



```

1   address field in the multicast diagnostic request is set to 1, the twelve
2   LSBs of the First Sequence Number field contain the IEEE 802.11 sequence
3   number of the first frame received with destination address equal to the
4   value in the Multicast MAC address field during the measurement period.
5   When the LSB of the first octet of the Multicast MAC address field in the
6   multicast diagnostic request is set to 0, the twelve LSBs of the First
7   Sequence Number field contain the sequence number of the first group
8   addressed frame, that does not have the broadcast MAC address as its desti-
9   nation, received during the measurement period. The four most significant
10  bits of the First Sequence Number field are set to zero. This field is
11  used only set to 0 if the multicast reporting reason Multicast Received
12  MSDU Count is performance measurement, otherwise, it is set to 0."
13  ::= { dot11WNMMulticastDiagnosticReportEntry 9 }
14
15  dot11WNMMulticastDiagnosticRprtLastSeqNumber OBJECT-TYPE
16  SYNTAX INTEGER (0..65535)
17  MAX-ACCESS read-only
18  STATUS current
19  DESCRIPTION
20  "This attribute indicates the twelve least significant bits of the Last
21  Sequence Number field. When the LSB of the first octet of the Multicast MAC
22  address field in the multicast diagnostic request is set to 1, the IEEE-
23  802.11 twelve LSBs of the Last Sequence Number field contain the sequence
24  number of the last frame received with destination address equal to the
25  value in the Multicast MAC address field during the measurement period.
26  When the LSB of the first octet of the Multicast MAC address field in the
27  multicast diagnostic request is 0, the twelve LSBs of the Last Sequence
28  Number field contain the sequence number of the last group addressed frame,
29  that does not have the broadcast MAC address as its destination, received
30  during the measurement period. The four most significant bits of the Last
31  Sequence Number field are set to zero. This field is used only set to 0 if
32  the multicast reporting reason is performance measurement, otherwise, it-
33  Multicast Received MSDU Count is set to 0."
34  ::= { dot11WNMMulticastDiagnosticReportEntry 10 }
35
36  dot11WNMMulticastDiagnosticRprtMcstRate OBJECT-TYPE
37  SYNTAX INTEGER (0..65535)
38  UNITS "0.5Mbps"
39  MAX-ACCESS read-create
40  STATUS current
41  DESCRIPTION
42  "This attribute indicates the highest data rate, in 0.5 Mb/s units, at
43  which the STA requests to receive has received a group addressed frames-
44  frame with a valid FCS during the measurement period. The Multicast Rate
45  field is encoded with the MSB set to 1 to indicate that the data rate is in
46  the basic rate set, and set to 0 to indicate that the data rate is not in
47  the basic rate set. The remaining 15 bit value is multiplied by 0.5 Mb/s to
48  indicate the data rate. The Multicast Rate field is set to 0 by the STA to
49  indicate that it has not received a group addressed frame with a valid FCS
50  during the measurement period."
51  ::= { dot11WNMMulticastDiagnosticReportEntry 11 }
52
53  -- *****
54  -- * End of dot11WNMMulticastDiagnosticReport TABLE
55  -- *****
56
57  -- *****
58  -- * dot11WNMLocationCivicReport TABLE
59  -- *****
60  dot11WNMLocationCivicReportTable OBJECT-TYPE
61  SYNTAX SEQUENCE OF Dot11WNMLocationCivicReportEntry
62  MAX-ACCESS not-accessible
63  STATUS current
64  DESCRIPTION
65  "Group contains the current list of Location Civic reports that have been
66  received by the MLME. The report tables shall be maintained as FIFO to pre-
67  serve freshness, thus the rows in this table can be deleted for memory con-
68  straints or other implementation constraints determined by the vendor. New
69  rows shall have different RprtIndex values than those deleted within the

```

```

1         range limitation of the index. One easy way is to monotonically increase
2         RprtIndex for new reports being written in the table."
3     ::= { dot11WNMReport 3 }
4
5 dot11WNMLocationCivicReportEntry OBJECT-TYPE
6     SYNTAX Dot11WNMLocationCivicReportEntry
7     MAX-ACCESS not-accessible
8     STATUS current
9     DESCRIPTION
10        "An entry in the dot11WNMLocationCivicReportTable Indexed by
11        dot11WNMLocationCivicRprtIndex."
12     INDEX { dot11WNMLocationCivicRprtIndex }
13     ::= { dot11WNMLocationCivicReportTable 1 }
14
15 Dot11WNMLocationCivicReportEntry ::=
16     SEQUENCE {
17         dot11WNMLocationCivicRprtIndex                Unsigned32,
18         dot11WNMLocationCivicRprtRqstToken           OCTET STRING,
19         dot11WNMLocationCivicRprtIfIndex             InterfaceIndex,
20         dot11WNMLocationCivicRprtContent             OCTET STRING,
21         dot11WNMLocationCivicRprtLocXAccuracy        INTEGER,
22         dot11WNMLocationCivicRprtLocYAccuracy        INTEGER,
23         dot11WNMLocationCivicRprtLocZAccuracy        INTEGER,
24         dot11WNMLocationCivicRprtCivicLocation       OCTET STRING }
25
26 dot11WNMLocationCivicRprtIndex OBJECT-TYPE
27     SYNTAX Unsigned32
28     MAX-ACCESS not-accessible
29     STATUS current
30     DESCRIPTION
31        "Index for Location Civic Report elements in
32        dot11WNMLocationCivicReportTable, greater than 0."
33     ::= { dot11WNMLocationCivicReportEntry 1 }
34
35 dot11WNMLocationCivicRprtRqstToken OBJECT-TYPE
36     SYNTAX OCTET STRING
37     MAX-ACCESS read-only
38     STATUS current
39     DESCRIPTION
40        "This attribute indicates the request token that was indicated in the WNM
41        request that generated this measurement report. This should be an exact
42        match to the original dot11WNMRqstToken attribute. Note that there may be
43        multiple entries in the table that match this value since a single request
44        may generate multiple WNM reports."
45     ::= { dot11WNMLocationCivicReportEntry 2 }
46
47 dot11WNMLocationCivicRprtIfIndex OBJECT-TYPE
48     SYNTAX InterfaceIndex
49     MAX-ACCESS read-only
50     STATUS current
51     DESCRIPTION
52        "The ifIndex for this row of WNMLocationCivic Report has been received on."
53     ::= { dot11WNMLocationCivicReportEntry 3 }
54
55 dot11WNMLocationCivicRprtLocXAccuracy OBJECT-TYPE
56     SYNTAX INTEGER (0..65535)
57     UNITS "0.1M"
58     MAX-ACCESS read-create
59     STATUS current
60     DESCRIPTION
61        "This attribute indicates an estimated accuracy in the X-dimension in 0.1-
62        meter increments, defined by a little-endian 16 bit unsigned integer. For
63        example, an accuracy estimate of +/- 5 meters is represented by the number
64        X'32'. If the location accuracy estimate in the X-dimension is unknown the
65        field is set to 65535."
66     DEFVAL { 65535 }
67     ::= { dot11WNMLocationCivicReportEntry 4 }
68
69 dot11WNMLocationCivicRprtLocYAccuracy OBJECT-TYPE
70     SYNTAX INTEGER (0..65535)
71     UNITS "0.1M"
72     MAX-ACCESS read-create

```

```

10      STATUS current
11      DESCRIPTION
12          "This attribute indicates an estimated accuracy in the Y-dimension in 0.1-
13          meter increments, defined by a little-endian 16-bit unsigned integer. For-
14          example, an accuracy estimate of +/- 5 meters is represented by the number
15          X'32'. If the location accuracy estimate in the Y-dimension is unknown the
16          field is set to 65535."
17          DEFVAL { 65535 }
18      ::= { dot11WNMLocationCivicReportEntry 5-3 }
19
20  dot11WNMLocationCivicRprtLocZAccuracy dot11WNMLocationCivicRprtCivicLocation OBJECT-TYPE
21      SYNTAX INTEGER (0..65535)
22      UNITS "0.1M"
23      MAX-ACCESS read-create
24      STATUS current
25      DESCRIPTION
26          "This attribute indicates an estimated accuracy in the Z-dimension in 0.1-
27          meter increments, defined by a little-endian 16-bit unsigned integer. For-
28          example, an accuracy estimate of +/- 5 meters is represented by the number
29          X'32'. If the location accuracy estimate in the Z-dimension is unknown the
30          field is set to 65535."
31          DEFVAL { 65535 }
32      ::= { dot11WNMLocationCivicReportEntry 6 }
33
34  dot11WNMLocationCivicRprtCivicLocation OBJECT-TYPE
35      SYNTAX OCTET STRING
36      MAX-ACCESS read-create
37      STATUS current
38      DESCRIPTION
39          "This attribute indicates a variable octet field and contains a list of
40          civic address elements in wich the TLV format of the data is as defined in
41          IETF RFC 4776-2006."
42      ::= { dot11WNMLocationCivicReportEntry 7-4 }
43
44  -- *****
45  -- * End of dot11WNMLocationCivicReport TABLE
46  -- *****
47
48  -- *****
49  -- * dot11WNMLocationIdentifierReport TABLE
50  -- *****
51  dot11WNMLocationIdentifierReportTable OBJECT-TYPE
52      SYNTAX SEQUENCE OF Dot11WNMLocationIdentifierReportEntry
53      MAX-ACCESS not-accessible
54      STATUS current
55      DESCRIPTION
56          "Group contains the current list of Location Identifier reports that have
57          been received by the MLME. The report tables shall be maintained as FIFO to
58          preserve freshness, thus the rows in this table can be deleted for memory
59          constraints or other implementation constraints determined by the vendor.
60          New rows shall have different RprtIndex values than those deleted within
61          the range limitation of the index. One easy way is to monotonically
62          increase RprtIndex for new reports being written in the table."
63      ::= { dot11WNMLocationIdentifierReportTable 4 }
64
65  dot11WNMLocationIdentifierReportEntry OBJECT-TYPE
66      SYNTAX Dot11WNMLocationIdentifierReportEntry
67      MAX-ACCESS not-accessible
68      STATUS current
69      DESCRIPTION
70          "An entry in the dot11WNMLocationIdentifierReportTable Indexed by
71          dot11WNMLocationIdentifierRprtIndex."
72      INDEX { dot11WNMLocationIdentifierRprtIndex }
73      ::= { dot11WNMLocationIdentifierReportTable 1 }
74
75  Dot11WNMLocationIdentifierReportEntry ::=
76      SEQUENCE {
77          dot11WNMLocationIdentifierRprtIndex          Unsigned32,
78          dot11WNMLocationIdentifierRprtRqstToken     OCTET STRING,
79          dot11WNMLocationIdentifierRprtIfIndex       InterfaceIndex,
80          dot11WNMLocationIdentifierRprtExpirationTSF TSFType,
81          dot11WNMLocationIdentifierRprtPublicIdUri   OCTET STRING }

```

```

1
2 dot11WNMLocationIdentifierRprtIndex OBJECT-TYPE
3     SYNTAX Unsigned32
4     MAX-ACCESS not-accessible
5     STATUS current
6     DESCRIPTION
7         "Index for Location Identifier Report elements in
8         dot11WNMLocationIdentifierReportTable, greater than 0."
9     ::= { dot11WNMLocationIdentifierReportEntry 1 }
10
11 dot11WNMLocationIdentifierRprtRqstToken OBJECT-TYPE
12     SYNTAX OCTET STRING
13     MAX-ACCESS read-only
14     STATUS current
15     DESCRIPTION
16         "This attribute indicates the request token that was indicated in the WNM
17         request that generated this measurement report. This should be an exact
18         match to the original dot11WNMRqstToken attribute. Note that there may be
19         multiple entries in the table that match this value since a single request
20         may generate multiple WNM reports."
21     ::= { dot11WNMLocationIdentifierReportEntry 2 }
22
23 dot11WNMLocationIdentifierRprtIfIndex OBJECT-TYPE
24     SYNTAX InterfaceIndex
25     MAX-ACCESS read-only
26     STATUS current
27     DESCRIPTION
28         "The ifIndex for this row of WNMLocationIdentifier Report has been received
29         on."
30     ::= { dot11WNMLocationIdentifierReportEntry 3 }
31
32 dot11WNMLocationIdentifierRprtPublicIdUri dot11WNMLocationIdentifierRprtExpirationTSF
33 OBJECT-TYPE
34     SYNTAX OCTET STRING TSFType
35     MAX-ACCESS read-createonly
36     STATUS current
37     DESCRIPTION
38         "This attribute indicates the value of the STA TSF timer when the Public
39         Identifier URI field value is no longer valid. The Expiration TSF field set
40         to 0 indicates the Public Identifier URI does not expire."
41     ::= { dot11WNMMulticastDiagnosticReportEntry 4 }
42
43 dot11WNMLocationIdentifierRprtPublicIdUri OBJECT-TYPE
44     SYNTAX OCTET STRING
45     MAX-ACCESS read-create
46     STATUS current
47     DESCRIPTION
48         "This attribute indicates a variable octet field in URI (aka URL) format
49         that contains the location by reference for the requesting STA."
50         "This attribute indicates a value in URI format that points to a location
51         object. It can be used to return the location value for the requesting STA.
52         The format of the location value returned when the URI is dereferenced is
53         dependent on the provider of the URI and is beyond the scope of this docu-
54         ment. The Public Identifier URI confirms the validity of the location esti-
55         mate to an external agent when a STA forwards a location estimate to that
56         agent. The protocol used to query the infrastructure for a location report
57         based on the Public Identifier URI is beyond the scope of this standard."
58     ::= { dot11WNMLocationIdentifierReportEntry 4 }
59
60 -- *****
61 -- * End of dot11WNMLocationIdentifierReport TABLE
62 -- *****
63
64 -- *****
65 -- * dot11WNMEventTransitReport TABLE
66 -- *****
67     dot11WNMEventTransitReportTable OBJECT-TYPE
68         SYNTAX SEQUENCE OF Dot11WNMEventTransitReportEntry
69         MAX-ACCESS not-accessible
70         STATUS current
71         DESCRIPTION
72             "Group contains the current list of Transition Event reports that have been

```

```

1         received by the MLME. The report tables shall be maintained as FIFO to pre-
2         serve freshness, thus the rows in this table can be deleted for memory con-
3         straints or other implementation constraints determined by the vendor. New
4         rows shall have different RprtIndex values than those deleted within the
5         range limitation of the index. One easy way is to monotonically increase
6         RprtIndex for new reports being written in the table."
7         ::= { dot11WNMReport 5 }
8
9         dot11WNMEventTransitReportEntry OBJECT-TYPE
10        SYNTAX Dot11WNMEventTransitReportEntry
11        MAX-ACCESS not-accessible
12        STATUS current
13        DESCRIPTION
14            "An entry in the dot11WNMEventTransitReportTable Indexed by
15            dot11WNMEventTransitRprtIndex."
16        INDEX { dot11WNMEventTransitRprtIndex }
17        ::= { dot11WNMEventTransitReportTable 1 }
18
19        Dot11WNMEventTransitReportEntry ::=
20        SEQUENCE {
21            dot11WNMEventTransitRprtIndex                Unsigned32,
22            dot11WNMEventTransitRprtRqstToken            OCTET STRING,
23            dot11WNMEventTransitRprtIndexdot11WNMEventTransitRprtIfIndex
24            Unsigned32InterfaceIndex,
25            dot11WNMEventTransitRprtRqstTokendot11WNMEventTransitRprtEventStatusOCTET-
26            STRINGINTEGER,
27            dot11WNMEventTransitRprtIfIndexdot11WNMEventTransitRprtEventTSFInterfaceIn-
28            dexTSFType,
29            dot11WNMEventTransitRprtTimeValue            OCTET STRING,
30            dot11WNMEventTransitRprtTimeError            OCTET STRING,
31            dot11WNMEventTransitRprtSourceBssid          MacAddress,
32            dot11WNMEventTransitRprtTargetBssid          MacAddress,
33            dot11WNMEventTransitRprtTransitTime          INTEGER,
34            dot11WNMEventTransitRprtTransitReason        INTEGER,
35            dot11WNMEventTransitRprtTransitResult        INTEGER,
36            dot11WNMEventTransitRprtSourceRCPI           INTEGER,
37            dot11WNMEventTransitRprtSourceRSNI           INTEGER,
38            dot11WNMEventTransitRprtTargetRCPI           INTEGER,
39            dot11WNMEventTransitRprtTargetRSNI           INTEGER }
40
41        dot11WNMEventTransitRprtIndex OBJECT-TYPE
42        SYNTAX Unsigned32
43        MAX-ACCESS not-accessible
44        STATUS current
45        DESCRIPTION
46            "Index for Transition Event Report elements in
47            dot11WNMEventTransitReportTable, greater than 0."
48        ::= { dot11WNMEventTransitReportEntry 1 }
49
50        dot11WNMEventTransitRprtRqstToken OBJECT-TYPE
51        SYNTAX OCTET STRING
52        MAX-ACCESS read-only
53        STATUS current
54        DESCRIPTION
55            "This attribute indicates the request token that was indicated in the WNM
56            request that generated this measurement report. This should be an exact
57            match to the original dot11WNMRqstToken attribute. Note that there may be
58            multiple entries in the table that match this value since a single request
59            may generate multiple WNM reports."
60        ::= { dot11WNMEventTransitReportEntry 2 }
61
62        dot11WNMEventTransitRprtIfIndex OBJECT-TYPE
63        SYNTAX InterfaceIndex
64        MAX-ACCESS read-only
65        STATUS current
66        DESCRIPTION
67            "The ifIndex for this row of WNMEventTransit Report has been received on."
68        ::= { dot11WNMEventTransitReportEntry 3 }
69
70        dot11WNMEventTransitRprtSourceBssiddot11WNMEventTransitRprtEventStatus OBJECT-TYPE
71        SYNTAX INTEGER {
72            successful(0),

```

```

1         requestFailed(1),
2         requestRefused(2),
3         requestIncapable(3),
4         detectedFrequentTransition(4)
5     }
6 MAX-ACCESS read-only
7     STATUS current
8     DESCRIPTION
9         "This attribute contains the status value included in the Event Report."
10    ::= { dot11WNMEventTransitReportEntry 4 }
11
12 dot11WNMEventTransitRprtEventTSF OBJECT-TYPE
13     SYNTAX TSFType
14     MAX-ACCESS read-only
15     STATUS current
16     DESCRIPTION
17         "This attribute contains the value of the Event timestamp field."
18    ::= { dot11WNMEventTransitReportEntry 5 }
19
20 dot11WNMEventTransitRprtTimeValue OBJECT-TYPE
21     OCTET STRING (SIZE(9))
22     MAX-ACCESS read-write
23     STATUS current
24     DESCRIPTION
25         "This attribute indicates the TimeAdvertisement Time Value as defined in the Time
26 Advertisement IE Time Value field when the Time Capabilities field is set to 2. The
27 format is defined in Table 7-37c and is included in the Time Advertisement element in
28 Beacon and Probe Response frames."
29    ::= { dot11WNMEventTransitReportEntry 6 }
30
31 dot11WNMEventTransitRprtTimeError OBJECT-TYPE
32     OCTET STRING (SIZE(5))
33     MAX-ACCESS read-write
34     STATUS current
35     DESCRIPTION
36         "This attribute indicates the Time Error value as defined in the Time
37 Advertisement IE Time Error field when the Time Capabilities field is set to 2. This
38 field is included in the Time Advertisement element in Beacon and Probe Response
39 frames."
40     DEFVAL { 0 }
41    ::= { dot11WNMEventTransitReportEntry 7 }
42
43 dot11WNMEventTransitRprtSourceBssid OBJECT-TYPE
44     SYNTAX MacAddress
45     MAX-ACCESS read-create
46     STATUS current
47     DESCRIPTION
48         "This attribute indicates the source BSSID for the reported transition
49 event."
50    ::= { dot11WNMEventTransitReportEntry 4-8 }
51
52 dot11WNMEventTransitRprtTargetBssid OBJECT-TYPE
53     SYNTAX MacAddress
54     MAX-ACCESS read-create
55     STATUS current
56     DESCRIPTION
57         "This attribute indicates the target BSSID for the reported transition
58 event."
59    ::= { dot11WNMEventTransitReportEntry 5-9 }
60
61 dot11WNMEventTransitRprtTransitTime OBJECT-TYPE
62     SYNTAX INTEGER (0..65535)
63     UNITS "TUs"
64     MAX-ACCESS read-create
65     STATUS current
66     DESCRIPTION
67         "This attribute indicates the transition time for the reported transition
68 event in TUs. The Transition time is defined as the time difference between
69 the starting time and the ending time of a transition between APs, even if
70 the transition results in remaining on the same AP. Start and end times for
71 a transition event are defined in 11.2022.3.2.2"
72    ::= { dot11WNMEventTransitReportEntry 6-10 }
73
74 dot11WNMEventTransitRprtTransitReason OBJECT-TYPE
75     SYNTAX INTEGER {

```

```

1      unspecified(0),
2      excessiveFrameLossRatesPoorConditions(1),
3      excessiveDelayForCurrentTrafficStreams(2),
4      insufficientQosCapacityForCurrentTrafficStreams(3),
5      firstAssociationToEss(4),
6      loadBalancing(5),
7      betterApFound betterApFound(6),
8      deauthenticatedDisassociatedFromPreviousAp(7),
9      certificateTokenapFailedIeee8021XEapAuthentication(8),
10     apFailedIeee8021XEapAuthentication apFailed4wayHandshake(9),
11     apFailed4wayHandshakerceivedTooManyReplayCounterFailures(10),
12     excessiveDataMICFailuresreceivedTooManyDataMICFailures(11),
13     exceededFrameTransmissionRetryLimitexceededMaxNumberOfRetransmissions(12),
14     excessiveBroadcastDisassociationsreceivedTooManyBroadcastDis-
15     sociations(13),
16     excessiveBroadcastDeauthenticationsreceivedTooManyBroadcast-
17     Deauthentications(14),
18     previousTransitionFailed previousTransitionFailed(15),
19     lowRSSI(16)
20 }
21
22 MAX-ACCESS read-create
23 STATUS current
24 DESCRIPTION
25     "This attribute indicates the reason for the reported BSS Transition event.
26     The format for this list of reasons is further detailed in 7.3.2.63.2."
27 ::= { dot11WNMEventTransitReportEntry 7-11 }
28
29 dot11WNMEventTransitRprtTransitResult OBJECT-TYPE
30 SYNTAX INTEGER (0..65535)
31 MAX-ACCESS read-create
32 STATUS current
33 DESCRIPTION
34     "This attribute indicates the result of the attempted transition and is set
35     to one of the Status Codes specified in Table7-23 in 7.3.1.9."
36 ::= { dot11WNMEventTransitReportEntry 8-12 }
37
38 dot11WNMEventTransitRprtSourceRCPI OBJECT-TYPE
39 SYNTAX INTEGER(0..255)
40 MAX-ACCESS read-only
41 STATUS current
42 DESCRIPTION
43     "This attribute indicates the received channel power of the most recently
44     measured frame from the Source BSSID before the STA reassociates to the
45     Target BSSID. The Source RCPI is reported in dBm, as defined in the RCPI
46     measurement clause for the PHY Type."
47 ::= { dot11WNMEventTransitReportEntry 9-13 }
48
49 dot11WNMEventTransitRprtSourceRSNI OBJECT-TYPE
50 SYNTAX INTEGER(0..255)
51 UNITS "0.5 dB"
52 MAX-ACCESS read-only
53 STATUS current
54 DESCRIPTION
55     "This attribute indicates the received signal to noise indication of the
56     most recently measured frame from the Source BSSID before the STA reassoci-
57     ates to the Target BSSID. The Source RSNI is reported in dB, as defined in
58     7.3.2.41."
59 ::= { dot11WNMEventTransitReportEntry 10-14 }
60
61 dot11WNMEventTransitRprtTargetRCPI OBJECT-TYPE
62 SYNTAX INTEGER(0..255)
63 MAX-ACCESS read-only
64 STATUS current
65 DESCRIPTION
66     "This attribute indicates the received channel power of the first measured
67     frame just after STA reassociates to the Target BSSID. If association with
68     target BSSID failed, the Target RCPI field indicates the received channel
69     power of the most recently measured frame from the Target BSSID. The Tar-
70     get RCPI is reported in dBm, as defined in the RCPI measurement clause for
71     the PHY Type."
72 ::= { dot11WNMEventTransitReportEntry 11-15 }

```



```

1 dot11WNMEventTransitRprtTargetRSNI OBJECT-TYPE
2     SYNTAX INTEGER(0..255)
3     UNITS "0.5 dB"
4     MAX-ACCESS read-only
5     STATUS current
6     DESCRIPTION
7         "This attribute indicates the received signal to noise indication of the
8         first measured frame just after STA reassociates to the Target BSSID. If
9         association with target BSSID failed, the Target RCPI field indicates the
10        received signal to noise indication of the most recently measured frame
11        from the Target BSSID. The Target RSNI is reported in dB, as defined in
12        7.3.2.41."
13 ::= { dot11WNMEventTransitReportEntry 12-16 }
14
15 -- *****
16 -- * End of dot11WNMEventTransitReport TABLE
17 -- *****
18
19 -- *****
20 -- * dot11WNMEventRsnaReport TABLE
21 -- *****
22 dot11WNMEventRsnaReportTable OBJECT-TYPE
23     SYNTAX SEQUENCE OF Dot11WNMEventRsnaReportEntry
24     MAX-ACCESS not-accessible
25     STATUS current
26     DESCRIPTION
27         "Group contains the current list of RSNA Event reports that have been
28         received by the MLME. The report tables shall be maintained as FIFO to pre-
29         serve freshness, thus the rows in this table can be deleted for memory con-
30         straints or other implementation constraints determined by the vendor. New
31         rows shall have different RprtIndex values than those deleted within the
32         range limitation of the index. One easy way is to monotonically increase
33         RprtIndex for new reports being written in the table."
34 ::= { dot11WNMReport 6 }
35
36 dot11WNMEventRsnaReportEntry OBJECT-TYPE
37     SYNTAX Dot11WNMEventRsnaReportEntry
38     MAX-ACCESS not-accessible
39     STATUS current
40     DESCRIPTION
41         "An entry in the dot11WNMEventRsnaReportTable Indexed by
42         dot11WNMEventRsnaRprtIndex."
43     INDEX { dot11WNMEventRsnaRprtIndex }
44 ::= { dot11WNMEventRsnaReportTable 1 }
45
46 Dot11WNMEventRsnaReportEntry ::=
47     SEQUENCE {
48         dot11WNMEventRsnaRprtIndex                Unsigned32,
49         dot11WNMEventRsnaRprtRqstToken            OCTET STRING,
50         dot11WNMEventRsnaRprtIfIndex              InterfaceIndex,
51         dot11WNMEventRsnaRprtTargetBssid          dot11WNMEventRsnaRprtEventStatusMacAddress-
52         INTEGER,
53         dot11WNMEventRsnaRprtAuthType             dot11WNMEventRsnaRprtEventTSF
54         FType,
55         dot11WNMEventRsnaRprtEapMethod            dot11WNMEventRsnaRprtTimeValueOCTET STRING,
56         dot11WNMEventRsnaRprtTimeError           OCTET STRING,
57         dot11WNMEventRsnaRprtResult              dot11WNMEventRsnaRprtTargetBssidINTEGERMacAd-
58         dress,
59         dot11WNMEventRsnaRprtRsnElement           dot11WNMEventRsnaRprtAuthTypeOCTET STRING-
60         }STRING,
61         dot11WNMEventRsnaRprtRsnElement           dot11WNMEventRsnaRprtEapMethodOCTET STRING-
62         }STRING,
63         dot11WNMEventRsnaRprtResult              INTEGER,
64         dot11WNMEventRsnaRprtRsnElement           OCTET STRING }
65
66 dot11WNMEventRsnaRprtIndex OBJECT-TYPE
67     SYNTAX Unsigned32
68     MAX-ACCESS not-accessible
69     STATUS current
70     DESCRIPTION
71         "Index for RSNA Event Report elements in dot11WNMEventRsnaReportTable,
72         greater than 0."

```



```

1      ::= { dot11WNMEventRsnaReportEntry 1 }
2
3 dot11WNMEventRsnaRprtRqstToken OBJECT-TYPE
4     SYNTAX OCTET STRING
5     MAX-ACCESS read-only
6     STATUS current
7     DESCRIPTION
8         "This attribute indicates the request token that was indicated in the WNM
9         request that generated this measurement report. This should be an exact
10        match to the original dot11WNMRqstToken attribute. Note that there may be
11        multiple entries in the table that match this value since a single request
12        may generate multiple WNM reports."
13    ::= { dot11WNMEventRsnaReportEntry 2 }
14
15 dot11WNMEventRsnaRprtIfIndex OBJECT-TYPE
16     SYNTAX InterfaceIndex
17     MAX-ACCESS read-only
18     STATUS current
19     DESCRIPTION
20         "The ifIndex for this row of WNMEventRsna Report has been received on."
21    ::= { dot11WNMEventRsnaReportEntry 3 }
22
23 dot11WNMEventRsnaRprtEventStatus OBJECT-TYPE
24     SYNTAX INTEGER {
25         successful(0),
26         requestFailed(1),
27         requestRefused(2),
28         requestIncapable(3),
29         detectedFrequentTransition(4)
30     }
31     MAX-ACCESS read-only
32     STATUS current
33     DESCRIPTION
34         "This attribute contains the status value included in the Event Report."
35    ::= { dot11WNMEventRsnaReportEntry 3-4 }
36
37 dot11WNMEventRsnaRprtTargetBssid-dot11WNMEventRsnaRprtEventTSF OBJECT-TYPE
38     SYNTAX TSFType
39     MAX-ACCESS read-only
40     STATUS current
41     DESCRIPTION
42         "This attribute contains the value of the Event timestamp field."
43    ::= { dot11WNMEventRsnaReportEntry 5 }
44
45 dot11WNMEventRsnaRprtTimeValue OBJECT-TYPE
46     OCTET STRING (SIZE(9))
47     MAX-ACCESS read-write
48     STATUS current
49     DESCRIPTION
50         "This attribute indicates the TimeAdvertisement Time Value as defined in the Time
51         Advertisement IE Time Value field when the Time Capabilities field is set to 2. The
52         format is defined in Table 7-37c and is included in the Time Advertisement element in
53         Beacon and Probe Response frames."
54    ::= { dot11WNMEventRsnaReportEntry 6 }
55
56 dot11WNMEventRsnaRprtTimeError OBJECT-TYPE
57     OCTET STRING (SIZE(5))
58     MAX-ACCESS read-write
59     STATUS current
60     DESCRIPTION
61         "This attribute indicates the Time Error value as defined in the Time
62         Advertisement IE Time Error field when the Time Capabilities field is set to 2. This
63         field is included in the Time Advertisement element in Beacon and Probe Response
64         frames."
65     DEFVAL { 0 }
66    ::= { dot11WNMEventRsnaReportEntry 7 }
67
68 dot11WNMEventRsnaRprtTargetBssid OBJECT-TYPE
69     SYNTAX MacAddress
70     MAX-ACCESS read-create
71     STATUS current
72     DESCRIPTION
73         "This attribute indicates the target-BSSID for of the AP accepting the
74         reported RSNA event authorization attempt."
75    ::= { dot11WNMEventRsnaReportEntry 4-8 }

```

```

1
2 dot11WNMEventRsnaRprtAuthType OBJECT-TYPE
3   SYNTAX OCTET STRING (SIZE(4))
4   MAX-ACCESS read-create
5   STATUS current
6   DESCRIPTION
7       "This attribute indicates one of the AKM suite selectors suite, as defined
8       in Table 7-34 in 7.3.2.25.2. The first three octets indicate the OUI. The
9       last octet indicates the suite type."
10  ::= { dot11WNMEventRsnaReportEntry 5-9 }
11
12 dot11WNMEventRsnaRprtEapMethod OBJECT-TYPE
13   SYNTAX OCTET STRING (SIZE(1..8))
14   MAX-ACCESS read-create
15   STATUS current
16   DESCRIPTION
17       "This attribute indicates a value that identifies the EAP Method. When the
18       Authentication Type field is set to the value of either 00-0F-AC:1 (Authen-
19       tication negotiated over IEEE 802.1X or using PMKSA caching as defined in
20       8.4.6.2) or 00-0F-AC:3 (AKM suite selector for Fast BSS Transition as
21       defined in 8.4.3), the EAP Method field contains the IANA assigned EAP type
22       defined at http://www.iana.org/assignments/eap-numbers. The EAP type con-
23       tains either the legacy type (1 octet) or the expanded type (1 octet type =
24       254, 3-octet Vendor ID, 4-octet Vendor-Type). The EAP Method field is set
25       to 0 otherwise."
26  ::= { dot11WNMEventRsnaReportEntry 6-10 }
27
28 dot11WNMEventRsnaRprtResult OBJECT-TYPE
29   SYNTAX INTEGER (0..65535)
30   MAX-ACCESS read-create
31   STATUS current
32   DESCRIPTION
33       "This attribute indicates the result of the RSNA event and is set to one of
34       the Status Codes specified in Table7-23 in 7.3.1.9."
35  ::= { dot11WNMEventRsnaReportEntry 7-11 }
36
37 dot11WNMEventRsnaRprtRsnElement OBJECT-TYPE
38   SYNTAX OCTET STRING (SIZE(0..257))
39   SYNTAX OCTET STRING
40   MAX-ACCESS read-create
41   STATUS current
42   DESCRIPTION
43       "This attribute contains the the entire contents of the negotiated RSN
44       information element at the time of the authentication attempt. The format
45       maximum length of the RSN Element field is less than the maximum length of
46       an RSN information element is element, as defined in 7.3.2.25. If the
47       length of the RSN information element included here exceeds the maximum
48       length of the RSN Element field, the RSN information element shall be trun-
49       cated to the maximum length allowed for the RSN Element field."
50   DEFVAL { 'H' }
51  ::= { dot11WNMEventRsnaReportEntry 8-12 }
52
53 -- *****
54 -- * End of dot11WNMEventRsnaReport TABLE
55 -- *****
56
57 -- *****
58 -- * dot11WNMEventPeerReport TABLE
59 -- *****
60
61 dot11WNMEventPeerReportTable OBJECT-TYPE
62   SYNTAX SEQUENCE OF Dot11WNMEventPeerReportEntry
63   MAX-ACCESS not-accessible
64   STATUS current
65   DESCRIPTION
66       "Group contains the current list of Peer-to-Peer Event reports that have
67       been received by the MLME. The report tables shall be maintained as FIFO to
68       preserve freshness, thus the rows in this table can be deleted for memory
69       constraints or other implementation constraints determined by the vendor.
70       New rows shall have different RprtIndex values than those deleted within
71       the range limitation of the index. One easy way is to monotonically
72       increase RprtIndex for new reports being written in the table."
73  ::= { dot11WNMReport 7 }

```

```

1
2 dot11WNMEventPeerReportEntry OBJECT-TYPE
3     SYNTAX Dot11WNMEventPeerReportEntry
4     MAX-ACCESS not-accessible
5     STATUS current
6     DESCRIPTION
7         "An entry in the dot11WNMEventPeerReportTable Indexed by
8         dot11WNMEventPeerRprtIndex."
9     INDEX { dot11WNMEventPeerRprtIndex }
10    ::= { dot11WNMEventPeerReportTable 1 }
11
12 Dot11WNMEventPeerReportEntry ::=
13     SEQUENCE {
14         dot11WNMEventPeerRprtIndex                Unsigned32,
15         dot11WNMEventPeerRprtRqstToken            OCTET STRING,
16         dot11WNMEventPeerRprtIfIndex              InterfaceIndex,
17         dot11WNMEventPeerRprtPeerMacAddressdot11WNMEventTransitRprtEventStatusMac-
18         AddressINTEGER,
19         dot11WNMEventPeerRprtRegulatoryClassdot11WNMEventTransitRprtEventTSFINTE-
20         GERTSFType,
21         dot11WNMEventTransitRprtTimeValue         OCTET STRING,
22         dot11WNMEventTransitRprtTimeError        OCTET STRING,
23         dot11WNMEventPeerRprtChanNumberdot11WNMEventPeerRprtPeerMacAddressINTEGER-
24         MacAddress,
25         dot11WNMEventPeerRprtStaTxPowerdot11WNMEventPeerRprtRegulatoryClass
26         Integer32INTEGER,
27         dot11WNMEventPeerRprtConnTime            dot11WNMEventPeerRprtChanNumberINTEGER,
28         dot11WNMEventPeerRprtStaTxPower         Integer32,
29         dot11WNMEventPeerRprtConnTime           INTEGER,
30         dot11WNMEventPeerRprtPeerStatus         INTEGER }
31
32 dot11WNMEventPeerRprtIndex OBJECT-TYPE
33     SYNTAX Unsigned32
34     MAX-ACCESS not-accessible
35     STATUS current
36     DESCRIPTION
37         "Index for Peer-to-Peer Event Report elements in
38         dot11WNMEventPeerReportTable, greater than 0."
39     ::= { dot11WNMEventPeerReportEntry 1 }
40
41 dot11WNMEventPeerRprtRqstToken OBJECT-TYPE
42     SYNTAX OCTET STRING
43     MAX-ACCESS read-only
44     STATUS current
45     DESCRIPTION
46         "This attribute indicates the request token that was indicated in the WNM
47         request that generated this measurement report. This should be an exact
48         match to the original dot11WNMRqstToken attribute. Note that there may be
49         multiple entries in the table that match this value since a single request
50         may generate multiple WNM reports."
51     ::= { dot11WNMEventPeerReportEntry 2 }
52
53 dot11WNMEventPeerRprtIfIndex OBJECT-TYPE
54     SYNTAX InterfaceIndex
55     MAX-ACCESS read-only
56     STATUS current
57     DESCRIPTION
58         "The ifIndex for this row of WNMEventPeer Report has been received on."
59     ::= { dot11WNMEventPeerReportEntry 3 }
60
61 dot11WNMEventPeerRprtEventStatus OBJECT-TYPE
62     SYNTAX INTEGER {
63         successful(0),
64         requestFailed(1),
65         requestRefused(2),
66         requestIncapable(3),
67         detectedFrequentTransition(4)
68     }
69     MAX-ACCESS read-only
70     STATUS current
71     DESCRIPTION
72         "This attribute contains the status value included in the Event Report."

```

```

1  ::= { dot11WNMEventPeerReportEntry 4 }
2
3 dot11WNMEventPeerRprtEventTSF OBJECT-TYPE
4   SYNTAX TSFType
5   MAX-ACCESS read-only
6   STATUS current
7   DESCRIPTION
8     "This attribute contains the value of the Event timestamp field."
9   ::= { dot11WNMEventPeerReportEntry 5 }
10
11 dot11WNMEventPeerRprtTimeValue OBJECT-TYPE
12   OCTET STRING (SIZE(9))
13   MAX-ACCESS read-write
14   STATUS current
15   DESCRIPTION
16     "This attribute indicates the TimeAdvertisement Time Value as defined in the Time
17     Advertisement IE Time Value field when the Time Capabilities field is set to 2. The
18     format is defined in Table 7-37c and is included in the Time Advertisement element in
19     Beacon and Probe Response frames."
20   ::= { dot11WNMEventPeerReportEntry 3-6 }
21
22 dot11WNMEventPeerRprtPeerMacAddress dot11WNMEventPeerRprtTimeError OBJECT-TYPE
23   OCTET STRING (SIZE(5))
24   MAX-ACCESS read-write
25   STATUS current
26   DESCRIPTION
27     "This attribute indicates the Time Error value as defined in the Time
28     Advertisement IE Time Error field when the Time Capabilities field is set to 2. This
29     field is included in the Time Advertisement element in Beacon and Probe Response
30     frames."
31   DEFVAL { 0 }
32   ::= { dot11WNMEventPeerReportEntry 7 }
33
34 dot11WNMEventPeerRprtPeerMacAddress OBJECT-TYPE
35   SYNTAX MacAddress
36   MAX-ACCESS read-create
37   STATUS current
38   DESCRIPTION
39     "This attribute indicates the MAC address of the peer STA or IBSS BSSID is
40     equal to the indicated MAC addressBSSID. If this event is for a Peer-to-
41     Peer Link in an infrastructure BSS, this field contains the MAC address of
42     the peer STA. If this event is for a Peer-to-Peer Link in an IBSS, this
43     field contains the BSSID of the IBSS."
44   ::= { dot11WNMEventPeerReportEntry 4-8 }
45
46 dot11WNMEventPeerRprtRegulatoryClass OBJECT-TYPE
47   SYNTAX INTEGER(1..255)
48   MAX-ACCESS read-create
49   STATUS current
50   DESCRIPTION
51     "This attribute indicates the channel set for this Peer-to-Peer Event
52     report. Country, Regulatory Class and Channel Number together specify the
53     channel frequency and spacing for this measurement request. Valid values of
54     Regulatory Class are as shown in Annex J."
55   REFERENCE
56     "Annex J"
57   ::= { dot11WNMEventPeerReportEntry 5-9 }
58
59 dot11WNMEventPeerRprtChanNumber OBJECT-TYPE
60   SYNTAX INTEGER (1..255)
61   MAX-ACCESS read-create
62   STATUS current
63   DESCRIPTION
64     "This attribute indicates the current operating channel for this Peer-to-
65     Peer Event report. The Channel Number is only defined within the indicated
66     Regulatory Class for this WNM request as shown in Annex J."
67   ::= { dot11WNMEventPeerReportEntry 6-10 }
68
69 dot11WNMEventPeerRprtStaTxPower OBJECT-TYPE
70   SYNTAX Integer32
71   SYNTAX INTEGER (-128..127)
72   MAX-ACCESS read-write
73   STATUS current
74   DESCRIPTION
75     "This attribute indicates the STA transmit power used for the Peer-to-Peer

```

```

1 link-. The STA Tx Power field indicates the target transmit power at the
2 antenna in dBm with a tolerance of +/-5dB of for the lowest basic rate of
3 the reporting STA."
4 ::= { dot11WNMEventPeerReportEntry 7-11 }
5
6 dot11WNMEventPeerRprtConnTime OBJECT-TYPE
7     SYNTAX INTEGER (0..16777215)
8     UNITS "seconds"
9     MAX-ACCESS read-create
10    STATUS current
11    DESCRIPTION
12        "This attribute indicates a value representing the connectioin time for the
13        reported Peer-to-Peer event. If the Peer Status is 0, this field indicates
14        the duration of the Direct Link. If the Peer Status is 1, this field indi-
15        cates the time difference from the time the Direct Link was established to
16        the current time time at which the reporting STA generated the event report.
17        If the Peer Status is 2, this field indicates the duration of the IBSS mem-
18        bership. If the Peer Status is 3, this field indicates the time difference
19        from the time the STA joined the IBSS to the time at which the current tim-
20        ereporting STA generated the event report. See 11.20.2.4."
21    ::= { dot11WNMEventPeerReportEntry 8-12 }
22
23 dot11WNMEventPeerRprtPeerStatus OBJECT-TYPE
24     SYNTAX INTEGER {
25         directLinkTerminated(0),
26         directLinkActive(1),
27         ibssMembershipTerminated(2),
28         ibssMembershipActive(3)
29     }
30     MAX-ACCESS read-create
31     STATUS current
32     DESCRIPTION
33         "This attribute indicates the peer link connection status."
34     ::= { dot11WNMEventPeerReportEntry 9-13 }
35
36 -- *****
37 -- * End of dot11WNMEventPeerReport TABLE
38 -- *****
39
40 -- *****
41 -- * dot11WNMEventWNMLogReport TABLE
42 -- *****
43 dot11WNMEventWNMLogReportTable OBJECT-TYPE
44     SYNTAX SEQUENCE OF Dot11WNMEventWNMLogReportEntry
45     MAX-ACCESS not-accessible
46     STATUS current
47     DESCRIPTION
48         "Group contains the current list of WNMLog Event reports that have been
49         received by the MLME. The report tables shall be maintained as FIFO to pre-
50         serve freshness, thus the rows in this table can be deleted for memory con-
51         straints or other implementation constraints determined by the vendor. New
52         rows shall have different RprtIndex values than those deleted within the
53         range limitation of the index. One easy way is to monotonically increase
54         RprtIndex for new reports being written in the table."
55     ::= { dot11WNMReport 8 }
56
57 dot11WNMEventWNMLogReportEntry OBJECT-TYPE
58     SYNTAX Dot11WNMEventWNMLogReportEntry
59     MAX-ACCESS not-accessible
60     STATUS current
61     DESCRIPTION
62         "An entry in the dot11WNMEventWNMLogReportTable Indexed by
63         dot11WNMEventWNMLogRprtIndex."
64     INDEX { dot11WNMEventWNMLogRprtIndex }
65     ::= { dot11WNMEventWNMLogReportTable 1 }
66
67 Dot11WNMEventWNMLogReportEntry ::=
68     SEQUENCE {
69         dot11WNMEventWNMLogRprtIndex                Unsigned32,
70         dot11WNMEventWNMLogRprtRqstToken            OCTET STRING,
71         dot11WNMEventWNMLogRprtIfIndex              InterfaceIndex,
72         dot11WNMEventWNMLogRprtEventStatus          INTEGER,

```

```

1      dot11WNMEventWNMLogRprtEventTSF                TSFType,
2      dot11WNMEventWNMLogRprtContentdot11WNMEventWNMLogRprtTimeValueOCTET STRING
3      }STRING,
4      dot11WNMEventWNMLogRprtTimeError                OCTET STRING,
5      dot11WNMEventWNMLogRprtContent                  OCTET STRING }
6
7  dot11WNMEventWNMLogRprtIndex OBJECT-TYPE
8      SYNTAX Unsigned32
9      MAX-ACCESS not-accessible
10     STATUS current
11     DESCRIPTION
12         "Index for WNMLog Event Report elements in dot11WNMEventWNMLogReportTable,
13         greater than 0."
14     ::= { dot11WNMEventWNMLogReportEntry 1 }
15
16 dot11WNMEventWNMLogRprtRqstToken OBJECT-TYPE
17     SYNTAX OCTET STRING
18     MAX-ACCESS read-only
19     STATUS current
20     DESCRIPTION
21         "This attribute indicates the request token that was indicated in the WNM
22         request that generated this measurement report. This should be an exact
23         match to the original dot11WNMRqstToken attribute. Note that there may be
24         multiple entries in the table that match this value since a single request
25         may generate multiple WNM reports."
26     ::= { dot11WNMEventWNMLogReportEntry 2 }
27
28 dot11WNMEventWNMLogRprtIfIndex OBJECT-TYPE
29     SYNTAX InterfaceIndex
30     MAX-ACCESS read-only
31     STATUS current
32     DESCRIPTION
33         "The ifIndex for this row of WNMLog Report has been received on."
34     ::= { dot11WNMEventWNMLogReportEntry 3 }
35
36 dot11WNMEventWNMLogRprtEventStatus OBJECT-TYPE
37     SYNTAX INTEGER {
38         successful(0),
39         requestFailed(1),
40         requestRefused(2),
41         requestIncapable(3),
42         detectedFrequentTransition(4)
43     }
44     MAX-ACCESS read-only
45     STATUS current
46     DESCRIPTION
47         "This attribute contains the status value included in the Event Report."
48     ::= { dot11WNMEventWNMLogReportEntry 3-4 }
49
50 dot11WNMEventWNMLogRprtContentdot11WNMEventWNMLogRprtEventTSF OBJECT-TYPE
51     SYNTAX TSFType
52     MAX-ACCESS read-only
53     STATUS current
54     DESCRIPTION
55         "This attribute contains the value of the Event timestamp field."
56     ::= { dot11WNMEventWNMLogReportEntry 5 }
57
58 dot11WNMEventWNMLogRprtTimeValue OBJECT-TYPE
59     OCTET STRING (SIZE(9))
60     MAX-ACCESS read-write
61     STATUS current
62     DESCRIPTION
63         "This attribute indicates the TimeAdvertisement Time Value as defined in the Time
64         Advertisement IE Time Value field when the Time Capabilities field is set to 2. The
65         format is defined in Table 7-37c and is included in the Time Advertisement element in
66         Beacon and Probe Response frames."
67     ::= { dot11WNMEventWNMLogReportEntry 6 }
68
69 dot11WNMEventWNMLogRprtTimeError OBJECT-TYPE
70     SYNTAX OCTET STRING (SIZE(0..22845))
71     MAX-ACCESS read-createwrite
72     STATUS current
73     DESCRIPTION
74         "This attribute provides an envelope for the WNMLog Event subelements-
75         required by the WNM request element. Zero length is the null default for-

```

```

1   this attribute."
2   "This attribute indicates the Time Error value as defined in the Time
3   Advertisement IE Time Error field when the Time Capabilities field is set to 2. This
4   field is included in the Time Advertisement element in Beacon and Probe Response
5   frames."
6   DEFVAL { 0 }
7   ::= { dot11WNMEventWNMLogReportEntry 7 }
8
9   dot11WNMEventWNMLogRprtContent OBJECT-TYPE
10  SYNTAX OCTET STRING (SIZE(0..2284))
11  MAX-ACCESS read-create
12  STATUS current
13  DESCRIPTION
14      "This attribute contains the entire syslog message, consisting of the PRI,
15      HEADER, and MSG portion of a WNM Log message as described in IETF RFC 3164-
16      2001. The TAG field of the MSG portion of the message is a 17 octet string
17      containing the ASCII representation of the STA MAC address using hexadecimal
18      notation with colons between octets. The octet containing the individ-
19      ual/group bit occurs last, and that bit is in the least significant
20      position within that octet. See 11.22.2.5."
21  DEFVAL { 'H' }
22  ::= { dot11WNMEventWNMLogReportEntry 4-8 }
23
24  -- *****
25  -- * End of dot11WNMEventWNMLogReport TABLE
26  -- *****
27
28  -- *****
29  -- * dot11WNMDiagMfrInfoReport TABLE
30  -- *****
31  dot11WNMDiagMfrInfoReportTable OBJECT-TYPE
32  SYNTAX SEQUENCE OF Dot11WNMDiagMfrInfoReportEntry
33  MAX-ACCESS not-accessible
34  STATUS current
35  DESCRIPTION
36      "Group contains the current list of Manufacturer Information STA reports
37      that have been received by the MLME. The report tables shall be maintained
38      as FIFO to preserve freshness, thus the rows in this table can be deleted
39      for memory constraints or other implementation constraints determined by
40      the vendor. New rows shall have different RprtIndex values than those
41      deleted within the range limitation of the index. One easy way is to mono-
42      tonically increase RprtIndex for new reports being written in the table."
43  ::= { dot11WNMReport 9 }
44
45  dot11WNMDiagMfrInfoReportEntry OBJECT-TYPE
46  SYNTAX Dot11WNMDiagMfrInfoReportEntry
47  MAX-ACCESS not-accessible
48  STATUS current
49  DESCRIPTION
50      "An entry in the dot11WNMDiagMfrInfoReportTable Indexed by
51      dot11WNMDiagMfrInfoRprtIndex."
52  INDEX { dot11WNMDiagMfrInfoRprtIndex }
53  ::= { dot11WNMDiagMfrInfoReportTable 1 }
54
55  Dot11WNMDiagMfrInfoReportEntry ::=
56  SEQUENCE {
57      dot11WNMDiagMfrInfoRprtIndex                Unsigned32,
58      dot11WNMDiagMfrInfoRprtRqstToken           OCTET STRING,
59      dot11WNMDiagMfrInfoRprtIfIndex            InterfaceIndex,
60      dot11WNMDiagMfrInfoRprtEventStatus        INTEGER,
61      dot11WNMDiagMfrInfoRprtMfrOi             OCTET STRING,
62      dot11WNMDiagMfrInfoRprtMfrOui            OCTET STRING,
63      dot11WNMDiagMfrInfoRprtMfrIdString        STRING,
64      dot11WNMDiagMfrInfoRprtMfrIdStringdot11WNMDiagMfrInfoRprtMfrModelString
65      OCTET STRING,
66      dot11WNMDiagMfrInfoRprtMfrModelStringdot11WNMDiagMfrInfoRprtMfrSerialNumber
67      String                                       OCTET STRING,
68      dot11WNMDiagMfrInfoRprtMfrSerialNumberStringdot11WNMDiagMfrInfoRprtMfrFirmw
69      areVersion                                   OCTET STRING,
70      dot11WNMDiagMfrInfoRprtMfrFirmwareVersiondot11WNMDiagMfrInfoRprtMfrAntennaT
71      ype                                           OCTET STRING,
72      dot11WNMDiagMfrInfoRprtMfrAntennaTypedot11WNMDiagMfrInfoRprtCollocRadioType

```



```

1  OCTET STRINGINTEGER,
2  dot11WNMDiagMfrInfoRprtMfrAntennaGaindot11WNMDiagMfrInfoRprtDeviceTypeOCTET
3  STRINGINTEGER}
4
5  dot11WNMDiagMfrInfoRprtIndex OBJECT-TYPE
6      SYNTAX Unsigned32
7      MAX-ACCESS not-accessible
8      STATUS current
9      DESCRIPTION
10         "Index for Manufacturer Information STA Report elements in
11         dot11WNMDiagMfrInfoReportTable, greater than 0."
12     ::= { dot11WNMDiagMfrInfoReportEntry 1 }
13
14  dot11WNMDiagMfrInfoRprtRqstToken OBJECT-TYPE
15      SYNTAX OCTET STRING
16      MAX-ACCESS read-only
17      STATUS current
18      DESCRIPTION
19         "This attribute indicates the request token that was indicated in the WNM
20         request that generated this measurement report. This should be an exact
21         match to the original dot11WNMRqstToken attribute. Note that there may be
22         multiple entries in the table that match this value since a single request
23         may generate multiple WNM reports."
24     ::= { dot11WNMDiagMfrInfoReportEntry 2 }
25
26  dot11WNMDiagMfrInfoRprtIfIndex OBJECT-TYPE
27      SYNTAX InterfaceIndex
28      MAX-ACCESS read-only
29      STATUS current
30      DESCRIPTION
31         "The ifIndex for this row of WNMdiagMfrInfo Report has been received on."
32     ::= { dot11WNMDiagMfrInfoReportEntry 3 }
33
34  dot11WNMDiagMfrInfoRprtMfrOuidot11WNMDiagMfrInfoRprtEventStatus OBJECT-TYPE
35      SYNTAX INTEGER {
36          successful(0),
37          requestFailed(1),
38          requestRefused(2),
39          requestIncapable(3),
40          detectedFrequentTransition(4)
41      }
42      MAX-ACCESS read-only
43      STATUS current
44      DESCRIPTION
45         "This attribute contains the status value included in the Event Report."
46     ::= { dot11WNMDiagMfrInfoReportEntry 4 }
47
48  dot11WNMDiagMfrInfoRprtMfrOi OBJECT-TYPE
49      SYNTAX OCTET STRING (SIZE(0..5))
50      MAX-ACCESS read-create
51      STATUS current
52      DESCRIPTION
53         "This attribute indicates the Manufacturer OI for the reported Manufac-
54         turer Information STA Diagnostic. The OUI attribute contains an Organiza-
55         tional Unique Identification, the first 24-bits of the network connected
56         device that indicate the specific vendor for that device."
57      DEFVAL { 'H' }
58     ::= { dot11WNMDiagMfrInfoReportEntry 4-5 }
59
60  dot11WNMDiagMfrInfoRprtMfrIdString OBJECT-TYPE
61      SYNTAX OCTET STRING (SIZE(0..255))
62      MAX-ACCESS read-create
63      STATUS current
64      DESCRIPTION
65         "This attribute indicates the Manufacturer ID string for the reported Manu-
66         facturer Information STA Diagnostic. The ID attribute contains an ASCII
67         string indicating the manufacturer identifier of the wireless network adap-
68         tor. This string is not null terminated."
69      DEFVAL { 'H' }
70     ::= { dot11WNMDiagMfrInfoReportEntry 5-6 }
71
72  dot11WNMDiagMfrInfoRprtMfrModelString OBJECT-TYPE

```



```

1      SYNTAX OCTET STRING (SIZE(0..255))
2      MAX-ACCESS read-create
3      STATUS current
4      DESCRIPTION
5          "This attribute indicates the Manufacturer model string for the reported
6          Manufacturer Information STA Diagnostic. The model attribute contains an
7          ASCII string indicating the model of the wireless network adaptor. This
8          string is not null terminated."
9      DEFVAL { 'H' }
10     ::= { dot11WNMDiagMfrInfoReportEntry 6-7 }
11
12 dot11WNMDiagMfrInfoRprtMfrSerialNumberString OBJECT-TYPE
13     SYNTAX OCTET STRING (SIZE(0..255))
14     MAX-ACCESS read-create
15     STATUS current
16     DESCRIPTION
17         "This attribute indicates the Manufacturer serial number string for the
18         reported Manufacturer Information STA Diagnostic. The serial number
19         attribute contains an ASCII string indicating the serial number of the
20         wireless network adaptor. This string is not null terminated."
21     DEFVAL { 'H' }
22     ::= { dot11WNMDiagMfrInfoReportEntry 7-8 }
23
24 dot11WNMDiagMfrInfoRprtMfrFirmwareVersion OBJECT-TYPE
25     SYNTAX OCTET STRING (SIZE(0..255))
26     MAX-ACCESS read-create
27     STATUS current
28     DESCRIPTION
29         "This attribute indicates the Manufacturer firmware version string for the
30         reported Manufacturer Information STA Diagnostic. The firmware version
31         attribute contains an ASCII string identifying the version of firmware cur-
32         rently installed on the wireless network adaptor. This string is not null
33         terminated."
34     DEFVAL { 'H' }
35     ::= { dot11WNMDiagMfrInfoReportEntry 8-9 }
36
37 dot11WNMDiagMfrInfoRprtMfrAntennaType OBJECT-TYPE
38     SYNTAX OCTET STRING (SIZE(0..255))
39     MAX-ACCESS read-create
40     STATUS current
41     DESCRIPTION
42         "This attribute indicates the Manufacturer antenna type string for the
43         reported Manufacturer Information STA Diagnostic. The first octet of this
44         string indicates the antenna count, and the second octet indicates the
45         antenna gain. The antenna gain indicates the peak gain in dBi of the
46         antenna type attribute contains connected to the wireless network adaptor.
47         The remaining octets contain an ASCII string indicating the type of antenna
48         connected to the wireless network adaptor."
49     DEFVAL { 'H' }
50     ::= { dot11WNMDiagMfrInfoReportEntry 9-10 }
51
52 dot11WNMDiagMfrInfoRprtMfrAntennaGain dot11WNMDiagMfrInfoRprtCollocRadioType OBJECT-TYPE
53     SYNTAX INTEGER {
54         reserved(0),
55         SYNTAX OCTET STRING (SIZEcellular(1),)
56         cordless(2),
57         gps(3),
58         ieee80211(4),
59         ieee80215(5),
60         ieee80216(6),
61         ieee80220(7),
62         ieee80222(8),
63         digitalAudioBroadcasting(9),
64         digitalVideoBroadcasting(10)
65     }
66     MAX-ACCESS read-createonly
67     STATUS current
68     DESCRIPTION
69         "This attribute indicates the Manufacturer antenna gain string for the
70         reported Manufacturer Information STA Diagnostic. The antenna gain
71         attribute contains the peak gain in dBi of the antenna connected to the
72         wireless network adaptor."

```

```

1  DEFVAL { 'H }
2  STATUS current
3  DESCRIPTION
4  "This attribute contains the type of the collocated radio."
5  ::= { dot11WNMDiagMfrInfoReportEntry 11 }
6
7  dot11WNMDiagMfrInfoRprtDeviceType OBJECT-TYPE
8  SYNTAX INTEGER {
9      reserved(0),
10     referenceDesign(1),
11     accessPointWirelessRouterSoho(2),
12     enterpriseAccessPoint(3),
13     broadbandGateway(4),
14     digitalStillCamera(5),
15     portableVideoCamera(6),
16     networkedWebCamera(7),
17     digitalAudioStationary(8),
18     digitalAudioPortable(9),
19     setTopBoxMediaServer(10),
20     tvMonitorDigitalPictureFrame(11),
21     gameConsoleGameAdaptor(12),
22     gamingDevice(13),
23     mediaServerMediaAdaptor(14),
24     networkStorageDevice(15),
25     externalWifiCard(16),
26     internalWifiCard(17),
27     ultraMobilPc(18),
28     notebookComputer(19),
29     personalDigitalAssistant(20),
30     printerPrintServer(21),
31     phoneDualMode(22),
32     phoneSingleMode(23),
33     smartphoneDualMode(24),
34     smartphoneSingleMode(25),
35     otherDevices(221),
36 }
37
38     MAX-ACCESS read-only
39     STATUS current
40     DESCRIPTION
41     "This attribute indicates the type of device in which the 802.11 STA resides."
42     ::= { dot11WNMDiagMfrInfoReportEntry 10-12 }
43
44 -- *****
45 -- * End of dot11WNMDiagMfrInfoReport TABLE
46 -- *****
47
48 -- *****
49 -- * dot11WNMDiagConfigProfReport TABLE
50 -- *****
51
52     dot11WNMDiagConfigProfReportTable OBJECT-TYPE
53     SYNTAX SEQUENCE OF Dot11WNMDiagConfigProfReportEntry
54     MAX-ACCESS not-accessible
55     STATUS current
56     DESCRIPTION
57     "Group contains the current list of Configuration Profile reports that have
58     been received by the MLME. The report tables shall be maintained as FIFO to
59     preserve freshness, thus the rows in this table can be deleted for memory
60     constraints or other implementation constraints determined by the vendor.
61     New rows shall have different RprtIndex values than those deleted within
62     the range limitation of the index. One easy way is to monotonically
63     increase RprtIndex for new reports being written in the table."
64     ::= { dot11WNMReport 10 }
65
66     dot11WNMDiagConfigProfReportEntry OBJECT-TYPE
67     SYNTAX Dot11WNMDiagConfigProfReportEntry
68     MAX-ACCESS not-accessible
69     STATUS current
70     DESCRIPTION
71     "An entry in the dot11WNMDiagConfigProfReportTable Indexed by
72     dot11WNMDiagConfigProfRprtIndex."
73     INDEX { dot11WNMDiagConfigProfRprtIndex }
74     ::= { dot11WNMDiagConfigProfReportTable 1 }

```

```

1  Dot11WNMDiagConfigProfReportEntry ::=
2      SEQUENCE {
3          dot11WNMDiagConfigProfRprtIndex                Unsigned32,
4          dot11WNMDiagConfigProfRprtRqstToken           OCTET STRING,
5          dot11WNMDiagConfigProfRprtRqstTokendot11WNMDiagConfigProfRprtIfIndexOCTET-
6          STRINGInterfaceIndex,
7          dot11WNMDiagConfigProfRprtIfIndexdot11WNMDiagConfigProfRprtEventStatus
8          InterfaceIndexINTEGER,
9          dot11WNMDiagConfigProfRprtProfileId           INTEGER,
10         dot11WNMDiagConfigProfRprtSupportedRegClasses OCTET STRING,
11         dot11WNMDiagConfigProfRprtTxPowerMode         INTEGER,
12         dot11WNMDiagConfigProfRprtTxPowerLevels       OCTET STRING,
13         dot11WNMDiagConfigProfRprtCipherSuite         OCTET STRING,
14         dot11WNMDiagConfigProfRprtTxPowerLevelsdot11WNMDiagConfigProfRprtAkmSuite
15         OCTET STRING,
16         dot11WNMDiagConfigProfRprtTxPowerLevelsdot11WNMDiagConfigProfRprtEapType
17         OCTET STRINGINTEGER,
18         dot11WNMDiagConfigProfRprtCipherSuitedot11WNMDiagConfigProfRprtEapVendorID
19         OCTET STRING,
20         dot11WNMDiagConfigProfRprtAkmSuitedot11WNMDiagConfigProfRprtEapVendorType
21         OCTET STRING,
22         dot11WNMDiagConfigProfRprtEapMethod          OCTET STRINGINTEGER,
23         dot11WNMDiagConfigProfRprtCredentialType      OCTET STRING,
24         dot11WNMDiagConfigProfRprtSSID                OCTET STRING,
25         dot11WNMDiagConfigProfRprtPowerSaveMode      INTEGER }
26
27 dot11WNMDiagConfigProfRprtIndex OBJECT-TYPE
28     SYNTAX Unsigned32
29     MAX-ACCESS not-accessible
30     STATUS current
31     DESCRIPTION
32         "Index for Configuration Profile Report elements in
33         dot11WNMDiagConfigProfReportTable, greater than 0."
34     ::= { dot11WNMDiagConfigProfReportEntry 1 }
35
36 dot11WNMDiagConfigProfRprtRqstToken OBJECT-TYPE
37     SYNTAX OCTET STRING
38     MAX-ACCESS read-only
39     STATUS current
40     DESCRIPTION
41         "This attribute indicates the request token that was indicated in the WNM
42         request that generated this measurement report. This should be an exact
43         match to the original dot11WNMRqstToken attribute. Note that there may be
44         multiple entries in the table that match this value since a single request
45         may generate multiple WNM reports."
46     ::= { dot11WNMDiagConfigProfReportEntry 2 }
47
48 dot11WNMDiagConfigProfRprtIfIndex OBJECT-TYPE
49     SYNTAX InterfaceIndex
50     MAX-ACCESS read-only
51     STATUS current
52     DESCRIPTION
53         "The ifIndex for this row of WNMDiagConfigProf Report has been received
54         on."
55     ::= { dot11WNMDiagConfigProfReportEntry 3 }
56
57 dot11WNMDiagConfigProfRprtProfileIddot11WNMDiagConfigProfRprtEventStatus OBJECT-TYPE
58     SYNTAX INTEGER {
59         SYNTAX INTEGERsuccessful(0..255),
60         requestFailed(1),
61         requestRefused(2),
62         requestIncapable(3),
63         detectedFrequentTransition(4)
64     }
65     MAX-ACCESS read-createonly
66     STATUS current
67     DESCRIPTION
68         "This attribute contains the status value included in the Event Report."
69     ::= { dot11WNMDiagConfigProfReportEntry 4 }
70
71 dot11WNMDiagConfigProfRprtProfileId OBJECT-TYPE
72     SYNTAX INTEGER (0..255)

```

```

1   MAX-ACCESS read-create
2   STATUS current
3   DESCRIPTION
4       "This attribute indicates a unique identifier for referencing a configura-
5       tion profile available on a device. The value of the identifier can be any
6       arbitrary value, as long as it is uniquely associated to a single configu-
7       ration profile on the device sending the identifier."
8   ::= { dot11WNMDiagConfigProfReportEntry 4-5 }
9
10  dot11WNMDiagConfigProfRprtSupportedRegClasses OBJECT-TYPE
11  SYNTAX OCTET STRING (SIZE(0..255))
12  MAX-ACCESS read-create
13  STATUS current
14  DESCRIPTION
15      "This attribute indicates the current Regulatory Class followed by a list
16      of each Supported Regulatory Class, as defined in 7.3.2.5154. Each octet
17      contains an integer representing a regulatory class. Regulatory Classes are
18      defined in Annex J. Zero length is the null default for this attribute."
19  DEFVAL { 'H' }
20  ::= { dot11WNMDiagConfigProfReportEntry 5-6 }
21
22  dot11WNMDiagConfigProfRprtTxPowerMode OBJECT-TYPE
23  SYNTAX INTEGER {
24      fixedPowerMode(0),
25      automaticPowerMode(1)
26  }
27  MAX-ACCESS read-create
28  STATUS current
29  DESCRIPTION
30      "This attribute indicates the power mode of the STA."
31  ::= { dot11WNMDiagConfigProfReportEntry 6-7 }
32
33  dot11WNMDiagConfigProfRprtTxPowerLevels OBJECT-TYPE
34  SYNTAX OCTET STRING (SIZE(21..255))
35  MAX-ACCESS read-create
36  STATUS current
37  DESCRIPTION
38      "This attribute lists the power levels for the STA. Each octet contains an
39      integer representing a power level encoded as a 2's complement value in
40      dBm, rounded to the nearest integer. If the Power Mode is automatic, the
41      list contains only the minimum and the maximum power levels for the STA. If
42      the Power Mode is fixed, the list contains all the one or more fixed power
43      level settings available at this STA, arranged in increasing numerical
44      order."
45  ::= { dot11WNMDiagConfigProfReportEntry 7-8 }
46
47  dot11WNMDiagConfigProfRprtCipherSuite OBJECT-TYPE
48  SYNTAX OCTET STRING (SIZE(4))
49  MAX-ACCESS read-create
50  STATUS current
51  DESCRIPTION
52      "This attribute indicates the cipher suite, as defined in Table 7-32. The
53      first three octets indicate the OUI. The last octet indicates the suite
54      type."
55  ::= { dot11WNMDiagConfigProfReportEntry 8-9 }
56
57  dot11WNMDiagConfigProfRprtAkmSuite OBJECT-TYPE
58  SYNTAX OCTET STRING (SIZE(4))
59  MAX-ACCESS read-create
60  STATUS current
61  DESCRIPTION
62      "This attribute indicates the AKM suite, as defined in Table 7-3434 in
63      7.3.2.25.2. The first three octets indicate the OUI. The last octet indi-
64      cates the suite type."
65  ::= { dot11WNMDiagConfigProfReportEntry 9-10 }
66
67  dot11WNMDiagConfigProfRprtEapMethod dot11WNMDiagConfigProfRprtEapType OBJECT-TYPE
68  SYNTAX OCTET STRING (SIZE(1INTEGER {0..8}255)
69  MAX-ACCESS read-create
70  STATUS current
71  DESCRIPTION
72  DESCRIPTION

```

```

1  "This attribute indicates the single EAP method used by the STA. Valid EAP
2  Type numbers are assigned by IANA assigned EAP type as and are defined at
3  http://www.iana.org/assignments/eap-numbers. The EAP type contains either
4  the legacy type (1 octet) or the expanded type (1 octet type = 254, 3-octet
5  Vendor ID, 4-octet Vendor-Type)."
6  ::= { dot11WNMDiagConfigProfReportEntry 11 }
7
8  dot11WNMDiagConfigProfRprtEapVendorId OBJECT-TYPE
9  SYNTAX OCTET STRING (SIZE(0..3))
10 MAX-ACCESS read-create
11 STATUS current
12 DESCRIPTION
13     "This attribute indicates the EAP Vendor ID number for the EAP method used
14     by the STA. The EAP Vendor ID field is included when the EAP Type field is
15     set to 254, and is excluded otherwise."
16 ::= { dot11WNMDiagConfigProfReportEntry 12 }
17
18 dot11WNMDiagConfigProfRprtEapVendorType OBJECT-TYPE
19 SYNTAX OCTET STRING (SIZE(0..4))
20 MAX-ACCESS read-create
21 STATUS current
22 DESCRIPTION
23     "This attribute indicates the EAP Vendor Type number for the EAP method
24     used by the STA. The EAP Vendor Type field is included when the EAP Type
25     field is set to 254, and is excluded otherwise."
26 ::= { dot11WNMDiagConfigProfReportEntry 13 }
27
28 dot11WNMDiagConfigProfRprtCredentialType OBJECT-TYPE
29 SYNTAX INTEGER {
30     none(0),
31     preSharedKey(1),
32     userNamePassword(2),
33     x509Certificate(3),
34     otherCertificate(4),
35     oneTimePassword(5),
36     token(6)
37 }
38 MAX-ACCESS read-create
39 STATUS current
40 DESCRIPTION
41     "This attribute indicates the type of 802.1X credentials used by the STA
42     for this authentication diagnostic."
43 ::= { dot11WNMDiagConfigProfReportEntry 10-14 }
44
45 dot11WNMDiagConfigProfRprtSSID OBJECT-TYPE
46 SYNTAX OCTET STRING (SIZE(1..32))
47 MAX-ACCESS read-create
48 STATUS current
49 DESCRIPTION
50     "This attribute indicates the SSID for the diagnostic report, as defined in
51     7.3.2.1."
52 ::= { dot11WNMDiagConfigProfReportEntry 11-15 }
53
54 dot11WNMDiagConfigProfRprtPowerSaveMode OBJECT-TYPE
55 SYNTAX INTEGER {
56     unknownMode(0),
57     none(1),
58     unknownModepsDtims1Mode(02),
59     unknownModepsDtims0Mode(03),
60     noneuapsdMode(14),
61     psDtims1ModesapsdMode(25),
62     psDtims0ModeupsmpMode(36),
63     uapsdModespsmpMode(47),
64     sapsdModesmpsMode(58),
65     upsmpModewnmSleepMode(69),
66     spsmpModefmsMode(710),
67     wnmSleepModetimBroadcastMode(811),
68     fmsModetfsMode(912),
69     timBroadcastModetdlsPeerUapsdMode(1013),
70     tfsModetdlsPeerPsmMode(1114)
71 }
72 MAX-ACCESS read-create

```

```

1      STATUS current
2      DESCRIPTION
3          "This attribute indicates the power save mode in use by the STA, as defined
4          in Table 7-v14."
5      ::= { dot11WNMDiagConfigProfReportEntry 12-16 }
6
7  -- *****
8  -- * End of dot11WNMDiagConfigProfReport TABLE
9  -- *****
10
11 -- *****
12 -- * dot11WNMDiagAssocReport TABLE
13 -- *****
14 dot11WNMDiagAssocReportTable OBJECT-TYPE
15     SYNTAX SEQUENCE OF Dot11WNMDiagAssocReportEntry
16     MAX-ACCESS not-accessible
17     STATUS current
18     DESCRIPTION
19         "Group contains the current list of Association Diagnostic reports that
20         have been received by the MLME. The report tables shall be maintained as
21         FIFO to preserve freshness, thus the rows in this table can be deleted for
22         memory constraints or other implementation constraints determined by the
23         vendor. New rows shall have different RprtIndex values than those deleted
24         within the range limitation of the index. One easy way is to monotonically
25         increase RprtIndex for new reports being written in the table."
26     ::= { dot11WNMReport 11 }
27
28 dot11WNMDiagAssocReportEntry OBJECT-TYPE
29     SYNTAX Dot11WNMDiagAssocReportEntry
30     MAX-ACCESS not-accessible
31     STATUS current
32     DESCRIPTION
33         "An entry in the dot11WNMDiagAssocReportTable Indexed by
34         dot11WNMDiagAssocRprtIndex."
35     INDEX { dot11WNMDiagAssocRprtIndex }
36     ::= { dot11WNMDiagAssocReportTable 1 }
37
38 Dot11WNMDiagAssocReportEntry ::=
39     SEQUENCE {
40         dot11WNMDiagAssocRprtIndex                Unsigned32,
41         dot11WNMDiagAssocRprtRqstToken           OCTET STRING,
42         dot11WNMDiagAssocRprtIfIndex             InterfaceIndex,
43         dot11WNMDiagAssocRprtBssiddot11WNMDiagAssocRprtEventStatusMacAddressINTE-
44         GER,
45         dot11WNMDiagAssocRprtRegulatoryClassdot11WNMDiagAssocRprtBssidINTEGERMacAd-
46         dress,
47         dot11WNMDiagAssocRprtChannelNumberdot11WNMDiagAssocRprtRegulatoryClassINTE-
48         GER,
49         dot11WNMDiagAssocRprtChannelNumber       INTEGER,
50         dot11WNMDiagAssocRprtStatusCode         INTEGER }
51
52 dot11WNMDiagAssocRprtIndex OBJECT-TYPE
53     SYNTAX Unsigned32
54     MAX-ACCESS not-accessible
55     STATUS current
56     DESCRIPTION
57         "Index for Association Diagnostic Report elements in
58         dot11WNMDiagAssocReportTable, greater than 0."
59     ::= { dot11WNMDiagAssocReportEntry 1 }
60
61 dot11WNMDiagAssocRprtRqstToken OBJECT-TYPE
62     SYNTAX OCTET STRING
63     MAX-ACCESS read-only
64     STATUS current
65     DESCRIPTION
66         "This attribute indicates the request token that was indicated in the WNM
67         request that generated this measurement report. This should be an exact
68         match to the original dot11WNMRqstToken attribute. Note that there may be
69         multiple entries in the table that match this value since a single request
70         may generate multiple WNM reports."
71     ::= { dot11WNMDiagAssocReportEntry 2 }

```

```

1 dot11WNMDiagAssocRprtIfIndex OBJECT-TYPE
2     SYNTAX InterfaceIndex
3     MAX-ACCESS read-only
4     STATUS current
5     DESCRIPTION
6         "The ifIndex for this row of WNMDiagAssoc Report has been received on."
7     ::= { dot11WNMDiagAssocReportEntry 3 }
8
9 dot11WNMDiagAssocRprtBssid-dot11WNMDiagAssocRprtEventStatus OBJECT-TYPE
10     SYNTAX INTEGER {
11         successful(0),
12         requestFailed(1),
13         requestRefused(2),
14         requestIncapable(3),
15         detectedFrequentTransition(4)
16     }
17     MAX-ACCESS read-only
18     STATUS current
19     DESCRIPTION
20         "This attribute contains the status value included in the Event Report."
21     ::= { dot11WNMDiagAssocReportEntry 4 }
22
23 dot11WNMDiagAssocRprtBssid OBJECT-TYPE
24     SYNTAX MacAddress
25     MAX-ACCESS read-create
26     STATUS current
27     DESCRIPTION
28         "This attribute indicates the BSSID for the target AP for this Association
29         Diagnostic Report."
30     ::= { dot11WNMDiagAssocReportEntry 4-5 }
31
32 dot11WNMDiagAssocRprtRegulatoryClass OBJECT-TYPE
33     SYNTAX INTEGER(1..255)
34     MAX-ACCESS read-create
35     STATUS current
36     DESCRIPTION
37         "This attribute indicates the regulatory class of channel set for the target
38         AP for this Association Diagnostic Report. Country, Regulatory Class
39         and Channel Number together specify the channel frequency and spacing for
40         this measurement request. Valid values of Regulatory Class are as shown in
41         Annex J."
42     REFERENCE
43         "Annex J"
44     ::= { dot11WNMDiagAssocReportEntry 5-6 }
45
46 dot11WNMDiagAssocRprtChannelNumber OBJECT-TYPE
47     SYNTAX INTEGER (1..255)
48     MAX-ACCESS read-create
49     STATUS current
50     DESCRIPTION
51         "This attribute indicates the operating channel of the target AP for this
52         Association Diagnostic Report. The Channel Number is only defined within
53         the indicated Regulatory Class for this WNM request as shown in Annex J."
54     ::= { dot11WNMDiagAssocReportEntry 6-7 }
55
56 dot11WNMDiagAssocRprtStatusCode OBJECT-TYPE
57     SYNTAX INTEGER (0..65535)
58     MAX-ACCESS read-create
59     STATUS current
60     DESCRIPTION
61         "This attribute indicates the result of the association diagnostic and is
62         set to one of the Status Codes specified in Table7-23 in 7.3.1.9."
63     ::= { dot11WNMDiagAssocReportEntry 7-8 }
64
65 -- *****
66 -- * End of dot11WNMDiagAssocReport TABLE
67 -- *****
68
69 -- *****
70 -- * dot11WNMDiag8021xAuthReport TABLE
71 -- *****
72
73 dot11WNMDiag8021xAuthReportTable OBJECT-TYPE

```



```

1      SYNTAX SEQUENCE OF Dot11WNMDiag8021xAuthReportEntry
2      MAX-ACCESS not-accessible
3      STATUS current
4      DESCRIPTION
5          "Group contains the current list of 802.1X Authentication Diagnostic
6          reports that have been received by the MLME. The report tables shall be
7          maintained as FIFO to preserve freshness, thus the rows in this table can
8          be deleted for memory constraints or other implementation constraints
9          determined by the vendor. New rows shall have different RprtIndex values
10         than those deleted within the range limitation of the index. One easy way
11         is to monotonically increase RprtIndex for new reports being written in the
12         table."
13     ::= { dot11WNMReport 12 }
14
15 dot11WNMDiag8021xAuthReportEntry OBJECT-TYPE
16     SYNTAX Dot11WNMDiag8021xAuthReportEntry
17     MAX-ACCESS not-accessible
18     STATUS current
19     DESCRIPTION
20         "An entry in the dot11WNMDiag8021xAuthReportTable Indexed by
21         dot11WNMDiag8021xAuthRprtIndex."
22     INDEX { dot11WNMDiag8021xAuthRprtIndex }
23     ::= { dot11WNMDiag8021xAuthReportTable 1 }
24
25 Dot11WNMDiag8021xAuthReportEntry ::=
26     SEQUENCE {
27         dot11WNMDiag8021xAuthRprtIndex                Unsigned32,
28         dot11WNMDiag8021xAuthRprtRqstToken            OCTET STRING,
29         dot11WNMDiag8021xAuthRprtIfIndex              InterfaceIndex,
30         dot11WNMDiag8021xAuthRprtBssiddot11WNMDiag8021xAuthRprtEventStatusMacAd-
31         dressINTEGER,
32         dot11WNMDiag8021xAuthRprtRegulatoryClassdot11WNMDiag8021xAuthRprtBssid
33         INTEGERMacAddress,
34         dot11WNMDiag8021xAuthRprtChannelNumberdot11WNMDiag8021xAuthRprtRegulatoryCl
35         ass                                           INTEGER,
36         dot11WNMDiag8021xAuthRprtEapMethoddot11WNMDiag8021xAuthRprtChannelNumber
37         OCTET STRINGINTEGER,
38         dot11WNMDiag8021xAuthRprt8021xCredentialsdot11WNMDiag8021xAuthRprtEapType
39         INTEGER,
40         dot11WNMDiag8021xAuthRprtRqstTokendot11WNMDiag8021xAuthRprtEapVendorID
41         OCTET
42         STRING,
43         dot11WNMDiag8021xAuthRprtEapVendorType        OCTET STRING,
44         dot11WNMDiag8021xAuthRprtCredentialType        INTEGER,
45         dot11WNMDiag8021xAuthRprtStatusCode            INTEGER }
46
47 dot11WNMDiag8021xAuthRprtIndex OBJECT-TYPE
48     SYNTAX Unsigned32
49     MAX-ACCESS not-accessible
50     STATUS current
51     DESCRIPTION
52         "Index for 802.1X Authentication Diagnostic Report elements in
53         dot11WNMDiag8021xAuthReportTable, greater than 0."
54     ::= { dot11WNMDiag8021xAuthReportEntry 1 }
55
56 dot11WNMDiag8021xAuthRprtRqstToken OBJECT-TYPE
57     SYNTAX OCTET STRING
58     MAX-ACCESS read-only
59     STATUS current
60     DESCRIPTION
61         "This attribute indicates the request token that was indicated in the WNM
62         request that generated this measurement report. This should be an exact
63         match to the original dot11WNMRqstToken attribute. Note that there may be
64         multiple entries in the table that match this value since a single request
65         may generate multiple WNM reports."
66     ::= { dot11WNMDiag8021xAuthReportEntry 2 }
67
68 dot11WNMDiag8021xAuthRprtIfIndex OBJECT-TYPE
69     SYNTAX InterfaceIndex
70     MAX-ACCESS read-only
71     STATUS current
72     DESCRIPTION
73         "The ifIndex for this row of WNMdiag8021xAuth Report has been received on."

```



```

1  ::= { dot11WNMDiag8021xAuthReportEntry 3 }
2
3 dot11WNMDiag8021xAuthRprtEventStatus OBJECT-TYPE
4   SYNTAX INTEGER {
5       successful(0),
6       requestFailed(1),
7       requestRefused(2),
8       requestIncapable(3),
9       detectedFrequentTransition(4)
10  }
11   MAX-ACCESS read-only
12   STATUS current
13   DESCRIPTION
14     "This attribute contains the status value included in the Event Report."
15 ::= { dot11WNMDiag8021xAuthReportEntry 3-4 }
16
17 dot11WNMDiag8021xAuthRprtBssid OBJECT-TYPE
18   SYNTAX MacAddress
19   MAX-ACCESS read-create
20   STATUS current
21   DESCRIPTION
22     "This attribute indicates the BSSID for the target AP for this Authentica-
23     tion Diagnostic Report."
24 ::= { dot11WNMDiag8021xAuthReportEntry 4-5 }
25
26 dot11WNMDiag8021xAuthRprtRegulatoryClass OBJECT-TYPE
27   SYNTAX INTEGER(1..255)
28   MAX-ACCESS read-create
29   STATUS current
30   DESCRIPTION
31     "This attribute indicates the regulatory class of channel set for the tar-
32     get AP for this Authentication Diagnostic Report. Country, Regulatory Class
33     and Channel Number together specify the channel frequency and spacing for
34     this measurement request. Valid values of Regulatory Class are as shown in
35     Annex J."
36   REFERENCE
37     "Annex J"
38 ::= { dot11WNMDiag8021xAuthReportEntry 5-6 }
39
40 dot11WNMDiag8021xAuthRprtChannelNumber OBJECT-TYPE
41   SYNTAX INTEGER (1..255)
42   MAX-ACCESS read-create
43   STATUS current
44   DESCRIPTION
45     "This attribute indicates the operating channel of the target AP for this
46     Authentication Diagnostic Report. The Channel Number is only defined within
47     the indicated Regulatory Class for this WNM request as shown in Annex J."
48 ::= { dot11WNMDiag8021xAuthReportEntry 6-7 }
49
50 dot11WNMDiag8021xAuthRprtEapMethod dot11WNMDiag8021xAuthRprtEapType OBJECT-TYPE
51   SYNTAX OCTET STRING (SIZE(1..255)) INTEGER {0..8}255)
52   MAX-ACCESS read-create
53   STATUS current
54   DESCRIPTION
55     "This attribute indicates the single EAP method used by the STA. Valid EAP
56     Type numbers are assigned by IANA assigned EAP type as and are defined at
57     http://www.iana.org/assignments/eap-numbers. The EAP type contains either
58     the legacy type (1 octet) or the expanded type (1 octet type = 254, 3-octet
59     Vendor ID, 4-octet Vendor Type)."
60 ::= { dot11WNMDiag8021xAuthReportEntry 7-8 }
61
62 dot11WNMDiag8021xAuthRprt8021xCredentials dot11WNMDiag8021xAuthRprtEapVendorId OBJECT-TYPE
63   SYNTAX OCTET STRING (SIZE(0..3))
64   MAX-ACCESS read-create
65   STATUS current
66   DESCRIPTION
67     "This attribute indicates the EAP Vendor ID number for the EAP method used
68     by the STA. The EAP Vendor ID field is included when the EAP Type field is
69     set to 254, and is excluded otherwise."
70 ::= { dot11WNMDiag8021xAuthReportEntry 9 }

```

```

1 dot11WNMDiag8021xAuthRprtEapVendorType OBJECT-TYPE
2     SYNTAX OCTET STRING (SIZE(0..4))
3     MAX-ACCESS read-create
4     STATUS current
5     DESCRIPTION
6         "This attribute indicates the EAP Vendor Type number for the EAP method
7         used by the STA. The EAP Vendor Type field is included when the EAP Type
8         field is set to 254, and is excluded otherwise."
9     ::= { dot11WNMDiag8021xAuthReportEntry 10 }
10
11 dot11WNMDiag8021xAuthRprtCredentialType OBJECT-TYPE
12     SYNTAX INTEGER {
13         preSharedKeynone(10),
14         userNamePasswordpreSharedKey(21),
15         x509CertificateuserNamePassword(32),
16         otherCertificatex509Certificate(43),
17         oneTimePasswordotherCertificate(54),
18         tokenoneTimePassword(65),
19         certificateuserNamePassword(76),
20         cerrtificateToken(8)
21     }
22     MAX-ACCESS read-create
23     STATUS current
24     DESCRIPTION
25         "This attribute indicates the type of 802.1X credentials used by the STA
26         for this authentication diagnostic."
27     ::= { dot11WNMDiag8021xAuthReportEntry 811 }
28
29 dot11WNMDiag8021xAuthRprtStatusCode OBJECT-TYPE
30     SYNTAX INTEGER (0..65535)
31     MAX-ACCESS read-create
32     STATUS current
33     DESCRIPTION
34         "This attribute indicates the result of the authentication diagnostic and
35         is set to one of the Status Codes specified in Table7-23 in 7.3.1.9."
36     ::= { dot11WNMDiag8021xAuthReportEntry 912 }
37
38 -- *****
39 -- * End of dot11WNMDiag8021xAuthReport TABLE
40 -- *****
41
42 -- *****
43 -- * dot11WNMLCIReportdot11WNMLocConfigReport TABLE
44 -- *****
45
46 dot11WNMLCIReportTabledot11WNMLocConfigReportTable OBJECT-TYPE
47     SYNTAX SEQUENCE OF Dot11WNMLCIReportEntryDot11WNMLocConfigReportEntry
48     MAX-ACCESS not-accessible
49     STATUS current
50     DESCRIPTION
51         "Group contains the current list of Location Configuration reports that
52         have been received by the MLME. The report tables shall be maintained as
53         FIFO to preserve freshness, thus the rows in this table can be deleted for
54         memory constraints or other implementation constraints determined by the
55         vendor. New rows shall have different RprtIndex values than those deleted
56         within the range limitation of the index. One easy way is to monotonically
57         increase RprtIndex for new reports being written in the table."
58     ::= { dot11WNMReport 13 }
59
60 dot11WNMLCIReportEntrydot11WNMLocConfigReportEntry OBJECT-TYPE
61     SYNTAX Dot11WNMLCIReportEntryDot11WNMLocConfigReportEntry
62     MAX-ACCESS not-accessible
63     STATUS current
64     DESCRIPTION
65         "An entry in the dot11WNMLCIReportTabledot11WNMLocConfigReportTable
66         Indexed by dot11WNMLCIReportIndexdot11WNMLocConfigRprtIndex."
67     INDEX { dot11WNMLCIReportIndexdot11WNMLocConfigRprtIndex }
68     ::= { dot11WNMLCIReportTabledot11WNMLocConfigReportTable 1 }
69
70 Dot11WNMLCIReportEntryDot11WNMLocConfigReportEntry ::=
71     SEQUENCE {
72         dot11WNMLCIReportIndexdot11WNMLocConfigRprtIndex      Unsigned32,
73         dot11WNMLCIReportRqstTokendot11WNMLocConfigRprtRqstTokenOCTET STRING,

```

```

1  dot11WNMLCIRprtIfIndex dot11WNMLocConfigRprtIfIndex InterfaceIndex,
2  dot11WNMLCIRprtLocIndParams dot11WNMLocConfigRprtLocIndParams OCTET STRING,
3  dot11WNMLCIRprtLCIChanList dot11WNMLocConfigRprtLocIndChanList OCTET STRING,
4  dot11WNMLCIRprtLCISubElementID dot11WNMLocConfigRprtLocIndBcastRate INTEGER,
5  dot11WNMLCIRprtLCIStatus dot11WNMLocConfigRprtStatusConfigSubelemId INTEGER,
6  dot11WNMLCIRprtTxPower dot11WNMLocConfigRprtStatusResult INTEGER,
7  dot11WNMLCIRprtAntennaID INTEGER,
8  dot11WNMLCIRprtAntennaGain INTEGER,
9  dot11WNMLCIRprtRCPI INTEGER,
10 dot11WNMLCIRprtRSNI INTEGER,
11 dot11WNMLCIRprtMotionIndicator INTEGER,
12 dot11WNMLCIRprtBearing INTEGER,
13 dot11WNMLCIRprtSpeedUnits INTEGER,
14 dot11WNMLCIRprtHorizontalSpeed INTEGER,
15 dot11WNMLCIRprtVerticalSpeed INTEGER,
16 dot11WNMLCIRprtLCIBcastRate INTEGER,
17 dot11WNMLCIRprtTOTimestamp dot11WNMLocConfigRprtVendorSpecificRprtContent
18 OCTET STRING, STRING }
19 dot11WNMLCIRprtTOTolerance OCTET STRING,
20 dot11WNMLCIRprtTODClockRate INTEGER,
21 dot11WNMLCIRprtVendorSpecificRprtContent OCTET STRING }
22
23 dot11WNMLCIRprtIndex dot11WNMLocConfigRprtIndex OBJECT-TYPE
24 SYNTAX Unsigned32
25 MAX-ACCESS not-accessible
26 STATUS current
27 DESCRIPTION
28 "Index for Location Configuration Report elements in
29 dot11WNMLCIRprtTable dot11WNMLocConfigReportTable, greater than 0."
30 ::= { dot11WNMLCIRprtTable dot11WNMLocConfigReportEntry 1 }
31
32 dot11WNMLCIRprtRqstToken dot11WNMLocConfigRprtRqstToken OBJECT-TYPE
33 SYNTAX OCTET STRING
34 MAX-ACCESS read-only
35 STATUS current
36 DESCRIPTION
37 "This attribute indicates the request token that was indicated in the WNM
38 request that generated this measurement report. This should be an exact
39 match to the original dot11WNMRqstToken attribute. Note that there may be
40 multiple entries in the table that match this value since a single request
41 may generate multiple WNM reports."
42 ::= { dot11WNMLCIRprtTable dot11WNMLocConfigReportEntry 2 }
43
44 dot11WNMLCIRprtIfIndex dot11WNMLocConfigRprtIfIndex OBJECT-TYPE
45 SYNTAX InterfaceIndex
46 MAX-ACCESS read-only
47 STATUS current
48 DESCRIPTION
49 "The ifIndex for this row of WNM LCI-WNMMLocConfig Report has been received
50 on."
51 ::= { dot11WNMLCIRprtTable dot11WNMLocConfigReportEntry 3 }
52
53 dot11WNMLCIRprtLocIndParams dot11WNMLocConfigRprtLocIndParams OBJECT-TYPE
54 SYNTAX OCTET STRING (SIZE(1716))
55 MAX-ACCESS read-create
56 STATUS current
57 DESCRIPTION
58 "This attribute indicates STA Location reporting characteristics. The for-
59 mat of these Location Indication Parameters are detailed in 7.3.2.6670.2"
60 ::= { dot11WNMLCIRprtTable dot11WNMLocConfigReportEntry 4 }
61
62 dot11WNMLCIRprtLCIChanList dot11WNMLocConfigRprtLocIndChanList OBJECT-TYPE
63 SYNTAX OCTET STRING (SIZE(0..255254))
64 MAX-ACCESS read-create
65 STATUS current
66 DESCRIPTION
67 "This attribute lists location indication reporting channel information for
68 this LCI-request Location Configuration Report. Zero length is the null
69 default for this attribute. Each pair of octets indicates a different regu-
70 latory class and channel number for this request. The detailed for-
71 mat for this list of channels is described in 7.3.2.6670.3"
72 DEFVAL { 'H' }

```

```

1  ::= { dot11WNMLCIRprtLCISubElementID-dot11WNMLocConfigReportEntry 5 }
2
3  dot11WNMLCIRprtLCISubElementID-dot11WNMLocConfigRprtLocIndBcastRate OBJECT-TYPE
4  SYNTAX INTEGER (0..25565535)
5  UNITS "0.5Mbps"
6  MAX-ACCESS read-create
7  STATUS current
8  DESCRIPTION
9      "This attribute indicates the specific Location Parameters subelement ID
10     transmitted in the LCI Request frame for this Report. Additional detail and
11     exceptions are described in 7.3.2.66.4"
12     "This attribute indicates the data rate, in 0.5Mb/s units, at which the STA
13     broadcasts its Location Track Notification frames."
14 ::= { dot11WNMLCIRprtLCISubElementID-dot11WNMLocConfigReportEntry 6 }
15
16 dot11WNMLCIRprtLCIStatus-dot11WNMLocConfigRprtStatusConfigSubelemId OBJECT-TYPE
17 SYNTAX INTEGER {
18     successful(0),
19     failedmultipleSubelemIds(10),
20     refusedlocationIndicationParams(21),
21     incapablelocationIndicationChannels(32),
22     cancelledlocationStatus(43),
23 }
24 MAX-ACCESS read-create
25 STATUS current
26 DESCRIPTION-
27     "This attribute indicates the status of this LCI report."
28 ::= { dot11WNMLCIRprtLCISubElementID-dot11WNMLocConfigReportEntry 7 }
29
30 dot11WNMLCIRprtTxPower OBJECT-TYPE
31 SYNTAX INTEGER(0..255)-
32 MAX-ACCESS read-write
33 STATUS current
34 DESCRIPTION
35     "This attribute indicates the STA transmit power used to transmit the LCI
36     Report. The Tx Power field indicates the target transmit power at the
37     antenna in in a two's complement integer in dBm with a tolerance of +/-
38     5dB."
39 ::= { dot11WNMLCIRprtLCISubElementID-dot11WNMLocConfigReportEntry 8 }
40
41 dot11WNMLCIRprtAntennaID OBJECT-TYPE-
42 SYNTAX INTEGER(0..255)-
43 MAX-ACCESS read-only-
44 STATUS current-
45 DESCRIPTION-
46     "This attribute indicates the identifying number for the antenna used to
47     transmit the LCI Report. The value 0 indicates that the antenna identifier
48     is unknown. The value 255 indicates that the measurement was made with
49     multiple antennas or that the antenna ID is unknown. that the antenna iden-
50     tifier is unknown. The value 255 indicates that this measurement was made
51     with multiple antennas. The value 1 is used for a STA with only one
52     antenna. STAs with more than one antenna shall assign Antenna IDs to each
53     antenna as consecutive, ascending numbers. Each Antenna ID number repre-
54     sents a unique antenna characterized by a fixed relative position, a fixed
55     relative direction and a peak gain for that position and direction."
56 ::= { dot11WNMLCIRprtLCISubElementID-dot11WNMLocConfigReportEntry 9 }
57
58 dot11WNMLCIRprtAntennaGain OBJECT-TYPE
59 SYNTAX INTEGER(0..255)-
60 MAX-ACCESS read-write
61 STATUS current
62 DESCRIPTION
63     "This attribute indicates the antenna gain of the antenna used to transmit
64     the LCI Report. The Antenna Gain indicates antenna gain in in a two's com-
65     plement integer in dB. The value -128 indicates the antenna gain is
66     unknown."
67 ::= { dot11WNMLCIRprtLCISubElementID-dot11WNMLocConfigReportEntry 10 }
68
69 dot11WNMLCIRprtRCPI OBJECT-TYPE-
70 SYNTAX INTEGER(0..255)-
71 MAX-ACCESS read-only-
72 STATUS current-

```

```

1  DESCRIPTION-
2  "This attribute indicates the received channel power of the most recently-
3  measured Location Configuration Request frame. The RCPI is reported in-
4  dBm, as defined in the RCPI measurement clause for the PHY Type."
5  ::= { dot11WNMLCIReportEntry 11 }
6
7  dot11WNMLCIRprtRSNI OBJECT-TYPE
8  SYNTAX INTEGER(0..255)
9  UNITS "0.5 dB"
10 MAX-ACCESS read-only
11 STATUS current
12 DESCRIPTION-
13 "This attribute indicates the received signal to noise indication of the-
14 most recently measured Location Configuration Request frame. The RSNI is-
15 reported in dB, as defined in 7.3.2.41."
16 ::= { dot11WNMLCIReportEntry 12 }
17
18 dot11WNMLCIRprtMotionIndicator OBJECT-TYPE
19 SYNTAX INTEGER {
20     stationaryradioInformation(04),
21     startOfMotionmotion(15),
22     inMotionlocationIndicationBcastDataRate(26),
23     endOfMotiontimeOfDeparture(37),
24     unknownVendorSpecific(48)
25 }
26 MAX-ACCESS read-create
27 STATUS current
28 DESCRIPTION-
29 "This attribute indicates the state of the motion indicator."
30 ::= { dot11WNMLCIReportEntry 13 }
31
32 dot11WNMLCIRprtBearing OBJECT-TYPE
33 SYNTAX INTEGER(0..65535)
34 MAX-ACCESS read-only
35 STATUS current
36 DESCRIPTION-
37 "This attribute indicates the direction of travel for the STA motion.---
38 Bearing is reported in azimuth degrees from true north, from 0 to 359. The-
39 value 65535 indicates that the bearing is unknown."
40 DESCRIPTION
41 "This attribute is set to a specific Location Parameters subelement ID
42 transmitted in a Location Configuration Request frame. If the following
43 StatusResult attribute field value applies to more than one subelement then
44 the Config subelement ID is set to 0. If the Status field value applies to
45 one subelement, then a Location Status subelement may be included in the
46 Location Configuration Response for each configuration subelement that has
47 a non-Success Status value."
48 ::= { dot11WNMLCIReportEntry 14 dot11WNMLocConfigReportEntry 7 }
49
50 dot11WNMLCIRprtSpeedUnits dot11WNMLocConfigRprtStatusResult OBJECT-TYPE
51 SYNTAX INTEGER {
52     centimetersPerSecond(0),
53     metersPerSecond(1)
54 }
55 MAX-ACCESS read-create
56 STATUS current
57 DESCRIPTION-
58 "This attribute indicates the speed units used to report the vertical and-
59 horizontal speed."
60 ::= { dot11WNMLCIReportEntry 15 }
61
62 dot11WNMLCIRprtHorizontalSpeed OBJECT-TYPE
63 SYNTAX INTEGER(0..255)
64 MAX-ACCESS read-only
65 STATUS current
66 DESCRIPTION-
67 "This attribute indicates the horizontal speed of the STA. The value 65535-
68 indicates that the speed is unknown."
69 ::= { dot11WNMLCIReportEntry 16 }
70
71 dot11WNMLCIRprtVerticalSpeed OBJECT-TYPE
72 SYNTAX INTEGER(0..255)

```

```

1  MAX-ACCESS read-only
2  STATUS current
3  DESCRIPTION
4      "This attribute indicates the vertical speed of the STA. The value 65535
5      indicates that the speed is unknown."
6  ::= { dot11WNMLCIRreportEntry 17 }
7
8  dot11WNMLCIRprtLCIBcastRate OBJECT-TYPE
9      SYNTAX INTEGER (0..65535)
10     UNITS "0.5Mbps"
11     MAX-ACCESS read-create
12     STATUS current
13     DESCRIPTION
14         "This attribute indicates the data rate, in 0.5Mb/s units, at which the STA
15         broadcasts Location Track Notification frames."
16     ::= { dot11WNMLCIRreportEntry 18 }
17
18  dot11WNMLCIRprtTODTimestamp OBJECT-TYPE
19     SYNTAX OCTET STRING (SIZE(4))
20     MAX-ACCESS read-create
21     STATUS current
22     DESCRIPTION
23         "This attribute indicates the value of the TOD timestamp counter at a con-
24         stant interval before the frame carrying the TOD timestamp is transmitted
25         in units specified by the TOD Units field."
26     DESCRIPTION
27         "This attribute contains the resulting status of the Location Configuration
28         Request frame for the indicated Location Parameter subelement ID, as listed in Table
29         7-43v, Event Report Status."
30     ::= { dot11WNMLCIRreportEntry 19 dot11LocationServicesEntry 8 }
31
32  dot11WNMLCIRprtTODTolerance dot11WNMLocConfigRprtVendorSpecificRprtContent OBJECT-TYPE
33  TYPE
34     SYNTAX OCTET STRING (SIZE(20..255))
35     MAX-ACCESS read-create
36     STATUS current
37     DESCRIPTION
38         "This attribute indicates the 95% tolerance of the TOD Timestamp field
39         value"
40     ::= { dot11WNMLCIRreportEntry 20 }
41
42  dot11WNMLCIRprtTODClockRate OBJECT-TYPE
43     SYNTAX INTEGER
44     MAX-ACCESS read-create
45     STATUS current
46     DESCRIPTION
47         "This attribute indicates the clock rate used to generate the values
48         included in the TOD timestamp field. Details are provided in 7.3.2.66.8."
49     ::= { dot11WNMLCIRreportEntry 21 }
50
51  dot11WNMLCIRprtVendorSpecificRprtContent OBJECT-TYPE
52     SYNTAX OCTET STRING (SIZE(0..255))
53     MAX-ACCESS read-create
54     STATUS current
55     DESCRIPTION
56         "This attribute provides an envelope for all the vendor specific subele-
57         ments which may be included in LCI report Location Configuration Report
58         element. Zero length is the null default for this attribute."
59     DEFVAL { 'H' }
60     ::= { dot11WNMLCIRreportEntry 22 dot11WNMLocConfigReportEntry 9 }
61
62  -- *****
63  -- * End of dot11WNMLCIRreport dot11WNMLocConfigReport TABLE
64  -- *****
65
66  -- *****
67  -- * dot11WNMBssTransitReport TABLE
68  -- *****
69  dot11WNMBssTransitReportTable OBJECT-TYPE
70     SYNTAX SEQUENCE OF Dot11WNMBssTransitReportEntry
71     MAX-ACCESS not-accessible
72     STATUS current

```

```

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

10     dot11WNMBssTransitReportEntry OBJECT-TYPE
11         SYNTAX Dot11WNMBssTransitReportEntry
12         MAX-ACCESS not-accessible
13         STATUS current
14         DESCRIPTION
15             "An entry in the dot11WNMBssTransitReportTable Indexed by
16             dot11WNMBssTransitRprtIndex."
17         INDEX { dot11WNMBssTransitRprtIndex }
18         ::= { dot11WNMBssTransitReportTable 1 }

19     Dot11WNMBssTransitReportEntry ::=
20         SEQUENCE {
21             dot11WNMBssTransitRprtIndex                Unsigned32,
22             dot11WNMBssTransitRprtRqstToken            OCTET STRING,
23             dot11WNMBssTransitRprtIfIndex              InterfaceIndex,
24             dot11WNMBssTransitRprtStatusdot11WNMBssTransitRprtStatusCodeINTEGER,
25             dot11WNMBssTransitRprtBSSTerminationDelay  INTEGER,
26             dot11WNMBssTransitRprtTargetBssid         MacAddress }

27     dot11WNMBssTransitRprtIndex OBJECT-TYPE
28         SYNTAX Unsigned32
29         MAX-ACCESS not-accessible
30         STATUS current
31         DESCRIPTION
32             "Index for BSS Transition Management Report elements in
33             dot11WNMBssTransitReportTable, greater than 0."
34         ::= { dot11WNMBssTransitReportEntry 1 }

35     dot11WNMBssTransitRprtRqstToken OBJECT-TYPE
36         SYNTAX OCTET STRING
37         MAX-ACCESS read-only
38         STATUS current
39         DESCRIPTION
40             "This attribute indicates the request token that was indicated in the WNM
41             request that generated this measurement report. This should be an exact
42             match to the original dot11WNMRqstToken attribute. Note that there may be
43             multiple entries in the table that match this value since a single request
44             may generate multiple WNM reports."
45         ::= { dot11WNMBssTransitReportEntry 2 }

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

53     dot11WNMBssTransitRprtStatus-dot11WNMBssTransitRprtStatusCode OBJECT-TYPE
54         SYNTAX INTEGER {
55             accept(0),
56             rejectUnspecified(1),
57             rejectInsufficientBeacons(2),
58             rejectInsufficientCapacity(3)
59         }
60         MAX-ACCESS read-create
61         STATUS current
62         DESCRIPTION
63             "This attribute indicates the status of this BSS Transition report."
64         ::= { dot11WNMBssTransitReportEntry 4 }

65     dot11WNMBssTransitRprtTargetBssid-dot11WNMBssTransitRprtBSSTerminationDelay OBJECT-TYPE

```



```

1  SYNTAX INTEGER (1..255)
2  UNITS "minutes"
3  MAX-ACCESS read-create
4  STATUS current
5  DESCRIPTION
6      "This attribute indicates the number of minutes that the responding STA
7      requests the BSS to delay termination. This attribute is included only if
8      the Status Code field value is set to 5."
9  ::= { dot11WNMBssTransitReportEntry 5 }
10 dot11WNMBssTransitRprtTargetBssid OBJECT-TYPE
11     SYNTAX MacAddress
12     MAX-ACCESS read-create
13     STATUS current
14     DESCRIPTION
15         "This attribute indicates the target BSSID for this BSS Transition Report."
16     ::= { dot11WNMBssTransitReportEntry 5-6 }
17 -- *****
18 -- * End of dot11WNMBssTransitReport TABLE
19 -- *****
20 -- *****
21 -- * dot11WNMColocInterfReport TABLE
22 -- *****
23 dot11WNMColocInterfReportTable OBJECT-TYPE
24     SYNTAX SEQUENCE OF Dot11WNMColocInterfReportEntry
25     MAX-ACCESS not-accessible
26     STATUS current
27     DESCRIPTION
28         "Group contains the current list of Collocated Interference reports that
29         have been received by the MLME. The report tables shall be maintained as
30         FIFO to preserve freshness, thus the rows in this table can be deleted for
31         memory constraints or other implementation constraints determined by the
32         vendor. New rows shall have different RprtIndex values than those deleted
33         within the range limitation of the index. One easy way is to monotonically
34         increase RprtIndex for new reports being written in the table."
35     ::= { dot11WNMReport 16 }
36 dot11WNMColocInterfReportEntry OBJECT-TYPE
37     SYNTAX Dot11WNMColocInterfReportEntry
38     MAX-ACCESS not-accessible
39     STATUS current
40     DESCRIPTION
41         "An entry in the dot11WNMColocInterfReportTable Indexed by
42         dot11WNMColocInterfRprtIndex."
43     INDEX { dot11WNMColocInterfRprtIndex }
44     ::= { dot11WNMColocInterfReportTable 1 }
45 Dot11WNMColocInterfReportEntry ::=
46     SEQUENCE {
47         dot11WNMColocInterfRprtIndex                Unsigned32,
48         dot11WNMColocInterfRprtRqstToken            OCTET STRING,
49         dot11WNMColocInterfRprtIfIndex              InterfaceIndex,
50         dot11WNMColocInterfRprtPeriod               INTEGER,
51         dot11WNMColocInterfRprtInterfLevel          INTEGER,
52         dot11WNMColocInterfRprtInterfAccuracy       INTEGER,
53         dot11WNMColocInterfRprtInterfIndex          INTEGER,
54         dot11WNMColocInterfRprtInterfInterval       Integer32,
55         dot11WNMColocInterfRprtInterfBurstLength    Integer32,
56         dot11WNMColocInterfRprtInterfStartTime     Integer32,
57         dot11WNMColocInterfRprtInterfCenterFreq    INTEGER,
58         dot11WNMColocInterfRprtInterfBandwidth     INTEGER }
59 dot11WNMColocInterfRprtIndex OBJECT-TYPE
60     SYNTAX Unsigned32
61     MAX-ACCESS not-accessible
62     STATUS current
63     DESCRIPTION
64         "Index for Collocated Interference Report elements in
65         dot11WNMColocInterfReportTable, greater than 0."
66     ::= { dot11WNMColocInterfReportEntry 1 }

```



```

1
2 dot11WNMColocInterfRprtRqstToken OBJECT-TYPE
3     SYNTAX OCTET STRING
4     MAX-ACCESS read-only
5     STATUS current
6     DESCRIPTION
7         "This attribute indicates the request token that was indicated in the WNM
8         request that generated this measurement report. This should be an exact
9         match to the original dot11WNMRqstToken attribute. Note that there may be
10        multiple entries in the table that match this value since a single request
11        may generate multiple WNM reports."
12 ::= { dot11WNMColocInterfReportEntry 2 }
13
14 dot11WNMColocInterfRprtIfIndex OBJECT-TYPE
15     SYNTAX InterfaceIndex
16     MAX-ACCESS read-only
17     STATUS current
18     DESCRIPTION
19         "The ifIndex for this row of WNMColocInterf Report has been received on."
20 ::= { dot11WNMColocInterfReportEntry 3 }
21
22 dot11WNMColocInterfRprtPeriod OBJECT-TYPE
23     SYNTAX INTEGER(0..255)
24     UNITS "100 TU"
25     MAX-ACCESS read-only
26     STATUS current
27     DESCRIPTION
28         "This attribute indicates how often the STA automatically periodically
29         reports the collocated interference. The field is in units of 100 TUs. If
30         the Report Period field is set to 0, then the reporting is not periodic,
31         and a report is generated when the STA detects a change in the collocated
32         interference. See 11.2022.11-8 for further details."
33 ::= { dot11WNMColocInterfReportEntry 4 }
34
35 dot11WNMColocInterfRprtInterfLevel OBJECT-TYPE
36     SYNTAX INTEGER(0-128..255127)
37     UNITS "dBm"
38     MAX-ACCESS read-only
39     STATUS current
40     DESCRIPTION
41         "This attribute indicates contains a signed integer indicating the maximum
42         level of the collocated interference power in a 2's complement signed inte-
43         ger in units of dBm over all receive chains averaged over a 4 s period
44         during an interference periodperiod and across interference bandwidth. When
45         the interference level is unknown, the field is set to +127dBm127 dBm. When
46         the interference level is equal or greater than 126dBm126 dBm, the field is
47         set to +126dBm126 dBm. If no collocated interference is present the field
48         is set to -128 dBm. When the interference level is equal or lower than -127
49         dBm, the field is set to -127 dBm. The interference level is referenced to
50         the antenna connector (see definition 3.174) used for reception, like
51         RCPI."
52 ::= { dot11WNMColocInterfReportEntry 5 }
53
54 dot11WNMColocInterfRprtInterfAccuracy OBJECT-TYPE
55     SYNTAX INTEGER(0..15)
56     UNITS "dB"
57     MAX-ACCESS read-only
58     STATUS current
59     DESCRIPTION
60         "This attribute indicates an unsigned integer indicating the expected accu-
61         racy of the estimate of interference in dB with 95% confidence interval. If
62         the Interference Level field is X (dBm) and the expected accuracy field is
63         Y (dB), the actual interference level is in the range of [X - Y, X +Y] with
64         the probability of 95%. If the accuracy is unknown then the Expected Accu-
65         racy field is set to 15."
66 ::= { dot11WNMColocInterfReportEntry 6 }
67
68 dot11WNMColocInterfRprtInterfIndex OBJECT-TYPE
69     SYNTAX INTEGER(0..15)
70     MAX-ACCESS read-only
71     STATUS current
72     DESCRIPTION

```

```

1         "This attribute indicates the interference index that is unique for each
2         type of interference source. The field set to 0 indicates that no collocated
3         interference is present. See 11.2022.11-8 for further details."
4     ::= { dot11WNMColocInterfReportEntry 7 }
5
6     dot11WNMColocInterfRprtInterfInterval OBJECT-TYPE
7         SYNTAX Integer32
8         UNITS "microseconds"
9         MAX-ACCESS read-write
10        STATUS current
11        DESCRIPTION
12            "This attribute indicates the interval between two successive periods of
13            interference in microseconds. When the interval between two successive
14            periods of interference is variable the field is set to 2E32-1. When the
15            interval between two successive periods of interference is equal or greater
16            than 2322E32-2 the field is set to 2E32-2. If no collocated interference is
17            present the field is set to 0."
18        ::= { dot11WNMColocInterfReportEntry 8 }
19
20    dot11WNMColocInterfRprtInterfBurstLength OBJECT-TYPE
21        SYNTAX Integer32
22        UNITS "microseconds"
23        MAX-ACCESS read-write
24        STATUS current
25        DESCRIPTION
26            "This attribute indicates the duration of each period of interference in
27            microseconds. When the duration of each period of interference is variable
28            the field is set to 2E32-1)\. When the duration of each period of interfer-
29            ence is equal or greater than 2E32-2-2, the field is set to 2E32-2. If no
30            collocated interference is present the field is set to 0."
31        ::= { dot11WNMColocInterfReportEntry 9 }
32
33    dot11WNMColocInterfRprtInterfStartTime OBJECT-TYPE
34        SYNTAX Integer32
35        MAX-ACCESS read-write
36        STATUS current
37        DESCRIPTION
38            "This attribute contains the least significant 4 octets (i.e. B0-B31) of
39            the TSF timer at the start of the interference burst. When either the
40            Interference Interval or the Interference Burst Length fields are set to
41            2E32-1, this field indicates the average duty cycle. The average duty cycle
42            value is defined as Round-to-Integer ((2E32-2)[average interference burst
43            length (microsecond)]/[average interference interval (microsecond)]). When
44            the interference is non-periodic the Interference Start Time field is set
45            to 0. If no collocated interference is present the field is set to 0."
46        ::= { dot11WNMColocInterfReportEntry 10 }
47
48    dot11WNMColocInterfRprtInterfCenterFreq OBJECT-TYPE
49        SYNTAX INTEGER (0..65535)
50        SYNTAX Integer32
51        UNITS "2-MHz5 kHz"
52        MAX-ACCESS read-create
53        STATUS current
54        DESCRIPTION
55            "This attribute indicates the center frequency of interference in 2-
56            MHzunits of 5 kHz. When center frequency is unknown or interference covers
57            the whole channelunknown, the center frequency of the STA's operating chan-
58            nel is reported. If no collocated interference is present the field is set
59            to 0."
60        ::= { dot11WNMColocInterfReportEntry 11 }
61
62    dot11WNMColocInterfRprtInterfBandwidth OBJECT-TYPE
63        SYNTAX INTEGER (0..65535)
64        UNITS "5 kHz"
65        MAX-ACCESS read-create
66        STATUS current
67        DESCRIPTION
68            "This attribute indicates the bandwidth at the -3dB roll-off point of the
69            interference signal in 5 kHz. When bandwidth of the interference signal is
70            unknown, the field is set to 65535. When bandwidth of the interference sig-
71            nal is equal or greater than 65534 the field is set to 65534. If no collocated
72            interference is present the field is set to 0."

```

```

1      ::= { dot11WNMColocInterfReportEntry 12 }
2
3      -- *****
4      -- * End of dot11WNMColocInterfReport TABLE
5      -- *****
6
7      dot11SMTWNMRequest OBJECT-GROUP
8          OBJECTS { dot11WNMRqstIndex,
9
10             dot11WNMRqstTokendot11WNMRqstRowStatus,
11             dot11WNMRqstIfIndexdot11WNMRqstToken,
12             dot11WNMRqstTypedot11WNMRqstIfIndex,
13             dot11WNMRqstTargetAdddot11WNMRqstType,
14             dot11RRMRqstTimeStampdot11WNMRqstTargetAdd,
15             dot11WNMRqstRndIntervaldot11WNMRqstTimeStamp,
16             dot11WNMRqstDurationdot11WNMRqstRndInterval,
17             dot11WNMRqstMcstGroupdot11WNMRqstDuration,
18             dot11WNMRqstMcstTrigCondot11WNMRqstMcstGroup,
19             dot11WNMRqstMcstRprtTimeoutdot11WNMRqstMcstTrigCon,
20             dot11WNMRqstMcstTrigTimeoutdot11WNMRqstMcstRprtTimeout,
21             dot11WNMRqstLCRRqstSubjectdot11WNMRqstMcstTrigTimeout,
22             dot11WNMRqstLCRIntervalUnitsdot11WNMRqstLCRRqstSubject,
23             dot11WNMRqstLCRServiceIntervaldot11WNMRqstLCRIntervalUnits,
24             dot11WNMRqstLIRRqstSubjectdot11WNMRqstLCRServiceInterval,
25             dot11WNMRqstLIRIntervalUnitsdot11WNMRqstLIRRqstSubject,
26             dot11WNMRqstLIRServiceIntervaldot11WNMRqstLIRIntervalUnits,
27             dot11WNMRqstEventTokendot11WNMRqstLIRServiceInterval,
28             dot11WNMRqstEventTypedot11WNMRqstEventToken,
29             dot11WNMRqstEventResponseLimitdot11WNMRqstEventType,
30             dot11WNMRqstEventTargetBssiddot11WNMRqstEventResponseLimit,
31             dot11WNMRqstEventSourceBssiddot11WNMRqstEventTargetBssid,
32             dot11WNMRqstEventTransitTimeThreshdot11WNMRqstEventSourceBssid,
33             dot11WNMRqstEventTransitMatchValuedot11WNMRqstEventTransitTimeThresh,
34             dot11WNMRqstEventFreqTransitCountThreshdot11WNMRqstEventTransitMatchValue,
35             dot11WNMRqstEventFreqTransitIntervaldot11WNMRqstEventFreqTransitCountThresh
36             ,
37             dot11WNMRqstEventRsnaAuthTypedot11WNMRqstEventFreqTransitInterval,
38             dot11WNMRqstEapTypedot11WNMRqstEventRsnaAuthType,
39             dot11WNMRqstEapVendorIddot11WNMRqstEapType,
40             dot11WNMRqstEapVendorTypedot11WNMRqstEapVendorId,
41             dot11WNMRqstEventRsnaMatchValuedot11WNMRqstEapVendorType,
42             dot11WNMRqstEventPeerMacAddressdot11WNMRqstEventRsnaMatchValue,
43             dot11WNMRqstChanNumberdot11WNMRqstEventPeerMacAddress,
44             dot11WNMRqstRegulatoryClassdot11WNMRqstChanNumber,
45             dot11WNMRqstChanNumberdot11WNMRqstRegulatoryClass,
46             dot11WNMRqstDiagTokendot11WNMRqstChanNumber,
47             dot11WNMRqstDiagTypedot11WNMRqstDiagToken,
48             dot11WNMRqstDiagTimeoutdot11WNMRqstDiagType,
49             dot11WNMRqstDiagBssiddot11WNMRqstDiagTimeout,
50             dot11WNMRqstDiagProfileIddot11WNMRqstDiagBssid,
51             dot11WNMRqstDiag8021xCredentialsdot11WNMRqstDiagProfileId,
52             dot11WNMRqstLCILocIndParamsdot11WNMRqstDiagCredentials,
53             dot11WNMRqstLCIChanListdot11WNMRqstLocConfigLocIndParams,
54             dot11WNMRqstLCIBcastRatedot11WNMRqstLocConfigChanList,
55             dot11WNMRqstBssTransitQueryReasondot11WNMRqstLocConfigBcastRate,
56             dot11WNMRqstBssTransitReqModedot11WNMRqstBssTransitQueryReason,
57             dot11WNMRqstBssTransitDisocTimerdot11WNMRqstBssTransitReqMode,
58             dot11WNMRqstBssTransitValidIntervaldot11WNMRqstBssTransitDisocTimer,
59             dot11WNMRqstBssTransitCandidateLisdot11WNMRqstBssTransitSessInfoURL,
60             dot11WNMRqstColocInterfAutoEnabledot11WNMRqstBssTransitCandidateLis,
61             dot11WNMRqstColocInterfRptTimeoutdot11WNMRqstColocInterfAutoEnable,
62             dot11WNMRqstVendorSpecificdot11WNMRqstColocInterfRptTimeout,
63             dot11RRMRqstVendorSpecific-dot11WNMRqstVendorSpecific }
64
65      STATUS current
66      DESCRIPTION
67          "The SMTWNMRequest package is a set of attributes that shall be present
68          if the STA supports the WNM service."
69      ::= { dot11Groups 54 }

```

EDITORIAL NOTE—dot11Groups number assignment needs to be coordinated.

```

1 dot11SMTWNMReport OBJECT-GROUP
2
3
4
5   OBJECTS { dot11WNMVendorSpecificRprtIndex,
6             dot11WNMVendorSpecificRprtRqstToken,
7             dot11WNMVendorSpecificRprtIfIndex,
8             dot11WNMVendorSpecificRprtContent,
9             dot11WNMMulticastDiagnosticRprtIndex,
10            dot11WNMMulticastDiagnosticRprtRqstToken,
11            dot11WNMMulticastDiagnosticRprtIfIndex,
12            dot11WNMMulticastDiagnosticRprtMeasurementTime,
13            dot11WNMVendorSpecificRprtRqstTokendot11WNMMulticastDiagnosticRprtDuration,
14            dot11WNMVendorSpecificRprtRqstTokendot11WNMMulticastDiagnosticRprtMcastGroup
15            ,
16            dot11WNMVendorSpecificRprtIfIndexdot11WNMMulticastDiagnosticRprtReason,
17            dot11WNMVendorSpecificRprtContentdot11WNMMulticastDiagnosticRprtRcvdMsduCou
18            nt,
19            dot11WNMMulticastDiagnosticRprtIndexdot11WNMMulticastDiagnosticRprtFirstSeq
20            Number,
21            dot11WNMMulticastDiagnosticRprtRqstTokendot11WNMMulticastDiagnosticRprtLast
22            SeqNumber,
23            dot11WNMMulticastDiagnosticRprtIfIndexdot11WNMMulticastDiagnosticRprt,
24            dot11WNMMulticastDiagnosticRprtMeasurementTime,
25            dot11WNMMulticastDiagnosticRprtDurationdot11WNMLocationCivicRprtRqstToken,
26            dot11WNMMulticastDiagnosticRprtMcastGroupdot11WNMLocationCivicRprtIfIndex,
27            dot11WNMMulticastDiagnosticRprtReasondot11WNMLocationCivicRprtContent,
28            dot11WNMMulticastDiagnosticRprtRcvdMsduCountdot11WNMLocationCivicRprtCivicL
29            ocation,
30            dot11WNMMulticastDiagnosticRprtFirstSeqNumberdot11WNMLocationIdentifierRprt
31            Index,
32            dot11WNMMulticastDiagnosticRprtLastSeqNumberdot11WNMLocationIdentifierRprtR
33            qstToken,
34            dot11WNMMulticastDiagnosticRprtMcastRate
35            dot11WNMLocationIdentifierRprtIfIndex,
36            dot11WNMLocationIdentifierRprtExpirationTSF,
37            dot11WNMLocationIdentifierRprtPublicIdUri,
38            dot11WNMEventTransitRprtIndex,
39            dot11WNMEventTransitRprtRqstToken,
40            dot11WNMLocationCivicRprtIndexdot11WNMEventTransitRprtIfIndex,
41            dot11WNMLocationCivicRprtRqstTokendot11WNMEventTransitRprtEventStatus,
42            dot11WNMLocationCivicRprtIfIndexdot11WNMEventTransitRprtEventTSF,
43            dot11WNMLocationCivicRprtContentdot11WNMEventTransitRprtTimeValue,
44            dot11WNMLocationCivicRprtLocXAccuracydot11WNMEventTransitRprtTimeError,
45            dot11WNMLocationCivicRprtLocYAccuracydot11WNMEventTransitRprtSourceBssid,
46            dot11WNMLocationCivicRprtLocZAccuracydot11WNMEventTransitRprtTargetBssid,
47            dot11WNMLocationCivicRprtCivicLocationdot11WNMEventTransitRprtTransitTime,
48            dot11WNMLocationIdentifierRprtIndexdot11WNMEventTransitRprtTransitReason,
49            dot11WNMLocationIdentifierRprtRqstTokendot11WNMEventTransitRprtTransitResul
50            t,
51            dot11WNMLocationIdentifierRprtIfIndexdot11WNMEventTransitRprtSourceRCPI,
52            dot11WNMLocationIdentifierRprtPublicIdUri,
53            dot11WNMEventTransitRprtSourceRSNI
54            ,
55            dot11WNMEventTransitRprtIndexdot11WNMEventTransitRprtTargetRCPI,
56            dot11WNMEventTransitRprtRqstTokendot11WNMEventTransitRprtTargetRSNI,
57            dot11WNMEventTransitRprtIfIndexdot11WNMEventRsnarprtIndex,
58            dot11WNMEventTransitRprtSourceBssiddot11WNMEventRsnarprtRqstToken,
59            dot11WNMEventTransitRprtTargetBssiddot11WNMEventRsnarprtIfIndex,
60            dot11WNMEventTransitRprtTransitTime,
61            dot11WNMEventRsnarprtEventStatus,
62            dot11WNMEventTransitRprtTransitReasondot11WNMEventRsnarprtEventTSF,
63            dot11WNMEventTransitRprtTransitResultdot11WNMEventRsnarprtTimeValue,
64            dot11WNMEventTransitRprtSourceRCPI,
65            dot11WNMEventRsnarprtTimeError,
66            dot11WNMEventTransitRprtSourceRSNI,
67            dot11WNMEventRsnarprtTargetBssid,
68            dot11WNMEventTransitRprtTargetRCPI,
69            dot11WNMEventRsnarprtAuthType,
70            dot11WNMEventRsnarprtIndex,
71            dot11WNMEventRsnarprtResult,
72            dot11WNMEventRsnarprtRqstToken,
73            dot11WNMEventRsnarprtRsnElement,
74            dot11WNMEventRsnarprtIfIndex,
75            dot11WNMEventPeerRprtIndex,
76            dot11WNMEventRsnarprtTargetBssid,
77            dot11WNMEventPeerRprtRqstToken,
78            dot11WNMEventRsnarprtAuthType,
79            dot11WNMEventPeerRprtIfIndex,

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1 dot11WNMEventRsnaRprtEapMethoddot11WNMEventPeerRprtEventStatus,
2 dot11WNMEventRsnaRprtResultdot11WNMEventPeerRprtEventTSF,
3 dot11WNMEventRsnaRprtRenElementdot11WNMEventPeerRprtTimeValue,
4 dot11WNMEventPeerRprtIndexdot11WNMEventPeerRprtTimeError,
5 dot11WNMEventPeerRprtRqstTokendot11WNMEventPeerRprtPeerMacAddress,
6 dot11WNMEventPeerRprtIfIndexdot11WNMEventPeerRprtRegulatoryClass,
7 dot11WNMEventPeerRprtPeerMacAddressdot11WNMEventPeerRprtChanNumber,
8 dot11WNMEventPeerRprtRegulatoryClassdot11WNMEventPeerRprtStaTxPower,
9 dot11WNMEventPeerRprtChanNumberdot11WNMEventPeerRprtConnTime,
10 dot11WNMEventPeerRprtStaTxPowerdot11WNMEventPeerRprtPeerStatus,
11 dot11WNMEventPeerRprtConnTimedot11WNMEventWNMLogRprtIndex,
12 dot11WNMEventPeerRprtPeerStatusdot11WNMEventWNMLogRprtRqstToken,
13 dot11WNMEventWNMLogRprtIndexdot11WNMEventWNMLogRprtIfIndex,
14 dot11WNMEventWNMLogRprtRqstTokendot11WNMEventWNMLogRprtEventStatus,
15 dot11WNMEventWNMLogRprtIfIndexdot11WNMEventWNMLogRprtEventTSF,
16 dot11WNMEventWNMLogRprtContentdot11WNMEventWNMLogRprtTimeValue,
17 dot11WNMDiagMfrInfoRprtIndexdot11WNMEventWNMLogRprtTimeError,
18 dot11WNMDiagMfrInfoRprtRqstTokendot11WNMEventWNMLogRprtContent,
19 dot11WNMDiagMfrInfoRprtIfIndexdot11WNMDiagMfrInfoRprtIndex,
20 dot11WNMDiagMfrInfoRprtMfrOuidot11WNMDiagMfrInfoRprtRqstToken,
21 dot11WNMDiagMfrInfoRprtMfrIdStringdot11WNMDiagMfrInfoRprtIfIndex,
22 dot11WNMDiagMfrInfoRprtMfrModelStringdot11WNMDiagMfrInfoRprtEventStatus,
23 dot11WNMDiagMfrInfoRprtMfrSerialNumberStringdot11WNMDiagMfrInfoRprtMfrOi,
24 dot11WNMDiagMfrInfoRprtMfrFirmwareVersiondot11WNMDiagMfrInfoRprtMfrIdString
25 ,
26 dot11WNMDiagMfrInfoRprtMfrAntennaTypedot11WNMDiagMfrInfoRprtMfrModelString,
27 dot11WNMDiagMfrInfoRprtMfrAntennaGaindot11WNMDiagMfrInfoRprtMfrSerialNumber
28 String,
29 dot11WNMDiagConfigProfRprtIndexdot11WNMDiagMfrInfoRprtMfrFirmwareVersion,
30 dot11WNMDiagConfigProfRprtRqstTokendot11WNMDiagMfrInfoRprtMfrAntennaType,
31 dot11WNMDiagConfigProfRprtIfIndexdot11WNMDiagMfrInfoRprtCollocRadioType,
32 dot11WNMDiagConfigProfRprtProfileIddot11WNMDiagMfrInfoRprtDeviceType,
33 dot11WNMDiagConfigProfRprtSupportedRegClassesdot11WNMDiagConfigProfRprtIndex,
34 dot11WNMDiagConfigProfRprtTxPowerModedot11WNMDiagConfigProfRprtRqstToken,
35 dot11WNMDiagConfigProfRprtTxPowerLevelsdot11WNMDiagConfigProfRprtIfIndex,
36 dot11WNMDiagConfigProfRprtCipherSuitedot11WNMDiagConfigProfRprtEventStatus,
37 dot11WNMDiagConfigProfRprtAkmSuedot11WNMDiagConfigProfRprtProfileId,
38 dot11WNMDiagConfigProfRprtEapMethoddot11WNMDiagConfigProfRprtSupportedRegClasses,
39 dot11WNMDiagConfigProfRprtSSIDdot11WNMDiagConfigProfRprtTxPowerMode,
40 dot11WNMDiagConfigProfRprtPowerSaveModedot11WNMDiagConfigProfRprtTxPowerLevels,
41 dot11WNMDiagAssocRprtIndexdot11WNMDiagConfigProfRprtCipherSuite,
42 dot11WNMDiagAssocRprtRqstTokendot11WNMDiagConfigProfRprtAkmSuite,
43 dot11WNMDiagAssocRprtIfIndexdot11WNMDiagConfigProfRprtEapType,
44 dot11WNMDiagAssocRprtBssiddot11WNMDiagConfigProfRprtEapVendorID,
45 dot11WNMDiagAssocRprtRegulatoryClassdot11WNMDiagConfigProfRprtEapVendorType
46 ,
47 dot11WNMDiagAssocRprtChannelNumberdot11WNMDiagConfigProfRprtCredentialType,
48 dot11WNMDiagAssocRprtStatusCodedot11WNMDiagConfigProfRprtSSID,
49 dot11WNMDiag8021xAuthRprtIndexdot11WNMDiagConfigProfRprtPowerSaveMode,
50 dot11WNMDiag8021xAuthRprtRqstTokendot11WNMDiagAssocRprtIndex,
51 dot11WNMDiag8021xAuthRprtIfIndexdot11WNMDiagAssocRprtRqstToken,
52 dot11WNMDiag8021xAuthRprtBssiddot11WNMDiagAssocRprtIfIndex,
53 dot11WNMDiag8021xAuthRprtRegulatoryClassdot11WNMDiagAssocRprtEventStatus,
54 dot11WNMDiag8021xAuthRprtChannelNumberdot11WNMDiagAssocRprtBssid,
55 dot11WNMDiag8021xAuthRprtEapMethoddot11WNMDiagAssocRprtRegulatoryClass,
56 dot11WNMDiag8021xAuthRprt8021xCredentialsdot11WNMDiagAssocRprtChannelNumber
57 ,
58 dot11WNMDiag8021xAuthRprtStatusCodedot11WNMDiagAssocRprtStatusCode,
59 dot11WNMLCIRprtIndexdot11WNMDiag8021xAuthRprtIndex,
60 dot11WNMLCIRprtRqstTokendot11WNMDiag8021xAuthRprtRqstToken,
61 dot11WNMLCIRprtIfIndexdot11WNMDiag8021xAuthRprtIfIndex,
62 dot11WNMLCIRprtLogIndParamsdot11WNMDiag8021xAuthRprtEventStatus,
63 dot11WNMLCIRprtLCIChanListdot11WNMDiag8021xAuthRprtBssid,
64 dot11WNMLCIRprtLCISubElementIDdot11WNMDiag8021xAuthRprtRegulatoryClass,
65 dot11WNMLCIRprtLCIStatusdot11WNMDiag8021xAuthRprtChannelNumber,
66 dot11WNMLCIRprtTxPowerdot11WNMDiag8021xAuthRprtEapType,
67 dot11WNMLCIRprtAntennaIDdot11WNMDiag8021xAuthRprtEapVendorID,
68 dot11WNMLCIRprtAntennaGaindot11WNMDiag8021xAuthRprtEapVendorType,
69 dot11WNMLCIRprtRCPIdot11WNMDiag8021xAuthRprtCredentialType,

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1 dot11WNMLCIRprtRSNI dot11WNMDiag8021xAuthRprtStatusCode,
2 dot11WNMLCIRprtMotionIndicator dot11WNMLocConfigRprtIndex,
3 dot11WNMLCIRprtBearing dot11WNMLocConfigRprtRqstToken,
4 dot11WNMLCIRprtSpeedUnits dot11WNMLocConfigRprtIfIndex,
5 dot11WNMLCIRprtHorizontalSpeed dot11WNMLocConfigRprtLocIndParams,
6 dot11WNMLCIRprtVerticalSpeed dot11WNMLocConfigRprtLocIndChanList,
7 dot11WNMLCIRprtLCIBcastRate dot11WNMLocConfigRprtLocIndBcastRate,
8 dot11WNMLCIRprtTODTimestamp dot11WNMLocConfigRprtStatusConfigSubelemId,
9 dot11WNMLCIRprtTODTolerance dot11WNMLocConfigRprtStatusResult,
10 dot11WNMLCIRprtTODClockRate dot11WNMLocConfigRprtVendorSpecificRprtContent,
11 dot11WNMLCIRprtVendorSpecificRprtContent dot11WNMBssTransitRprtIndex,
12 dot11WNMBssTransitRprtIndex dot11WNMBssTransitRprtRqstToken,
13 dot11WNMBssTransitRprtRqstToken dot11WNMBssTransitRprtIfIndex,
14 dot11WNMBssTransitRprtIfIndex dot11WNMBssTransitRprtStatus,
15 dot11WNMBssTransitRprtStatus dot11WNMBssTransitRprtBSSTerminationDelay,
16 dot11WNMBssTransitRprtTargetBssid,
17 dot11WNMColocInterfRprtIndex,
18 dot11WNMColocInterfRprtRqstToken,
19 dot11WNMColocInterfRprtIfIndex,
20 dot11WNMColocInterfRprtPeriod,
21 dot11WNMColocInterfRprtInterfLevel,
22 dot11WNMColocInterfRprtInterfAccuracy,
23 dot11WNMColocInterfRprtInterfIndex,
24 dot11WNMColocInterfRprtInterfInterval,
25 dot11WNMColocInterfRprtInterfBurstLength,
26 dot11WNMColocInterfRprtInterfStartTime,
27 dot11WNMColocInterfRprtInterfCenterFreq,
28 dot11WNMColocInterfRprtInterfBandwidth }
29
30 STATUS current
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32 DESCRIPTION
33
34 "The SMTWNMReport package is a set of attributes that shall be present if
35 the STA supports the WNM service."
36
37 ::= { dot11Groups 55 }

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EDITORIAL NOTE—dot11Groups number assignment needs to be coordinated.

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