IEEE P802.11
Wireless LANs

|  |
| --- |
| LB 200 Annex C comment resolution |
| Date: 2014-04-01 |
| Author(s): |
| Name | Affiliation | Address | Phone | email |
| Yongho Seok  | LG Electronics |  |  | yongho.seok@lge.com  |

Abstract

This submission proposes comment resolutions of the Annex C from TGah Draft 1.0.

* CIDs: 2094, 1005, 2483, 2627, 2645, 2232, 2234

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGah Draft. This introduction is not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGah Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGah Editor: Editing instructions preceded by “TGah Editor” are instructions to the TGah editor to modify existing material in the TGah draft. As a result of adopting the changes, the TGah editor will execute the instructions rather than copy them to the TGah Draft.***

| **CID** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| --- | --- | --- | --- | --- | --- |
| 2094 |  | C | Missing additions to Annex CSpecifically I would consider changing my vote if the MIB changes that are necessary for 11ah are included | Please add Specific MIB entries and corrections for 11ah | Revised- Agree in principle.TGah editor to make changes shown in 11-14-0476r0 under the heading for CID 2094, 1005, 2483, 2627, 2645, 2232, 2234 |
| 1005 |  | Annex C | Where is annex C? Did the dog eat this particular bit of homework? | Create an Annex C reflecting MIB variables cited in the text.Don't forget to create group(s) and a compliance statement.Compile your MIB (See Annex C for details of how to do this) and fix up any errors and warnings in your material. | Revised- Agree in principle.TGah editor to make changes shown in 11-14-0476r0 under the heading for CID 2094, 1005, 2483, 2627, 2645, 2232, 2234 |
| 2483 |  | C | There's no MIB definition | Add something for all the new/amended MIB variables | Revised- Agree in principle.TGah editor to make changes shown in 11-14-0476r0 under the heading for CID 2094, 1005, 2483, 2627, 2645, 2232, 2234 |
| 2627 |  |  | The draft doesn't include MIBs | Add MIBs | Revised- Agree in principle.TGah editor to make changes shown in 11-14-0476r0 under the heading for CID 2094, 1005, 2483, 2627, 2645, 2232, 2234 |
| 2645 | 8.12 | 6.3.3.2.2 | The amendment adds MIB objects but contains not edits to Annex C | Edit the MIB to include the MIB objects referenced in the draft | Revised- Agree in principle.TGah editor to make changes shown in 11-14-0476r0 under the heading for CID 2094, 1005, 2483, 2627, 2645, 2232, 2234 |
| 2232 | 171.36 | 9.20.5.1 | The parameter "dot11RAWOptionActivated" is not defined. | Define "dot11RAWOptionActivated" in Annex C. | Revised- Agree in principle.TGah editor to make changes shown in 11-14-0476r0 under the heading for CID 2094, 1005, 2483, 2627, 2645, 2232, 2234 |
| 2234 | 171.41 | 9.20.5.1 | The parameter "dot11RAWOperationSupported" is not defined. | Define "dot11RAWOperationSupported" in Annex C. | Revised- Agree in principle.TGah editor to make changes shown in 11-14-0476r0 under the heading for CID 2094, 1005, 2483, 2627, 2645, 2232, 2234 |

**Discussion:**

**CID 2094, 1005, 2483, 2627, 2645, 2232, 2234**

Agree in principle. TGah draft 1.0 is missing the Annex C.

**Propose:**

Revised for CID 2094, 1005, 2483, 2627, 2645, 2232, 2234, per discussion and editing instructions in 11-14/0476r0.

ASN.1 encoding of the MAC and PHY MIB

* MIB Detail

Change Dot11StationConfigEntry as follows:

Dot11StationConfigEntry ::= SEQUENCE

 {

 dot11StationID MacAddress,

 dot11MediumOccupancyLimit Unsigned32,

 dot11CFPollable TruthValue,

 dot11CFPPeriod Unsigned32,

 dot11CFPMaxDuration Unsigned32,

 dot11AuthenticationResponseTimeOut Unsigned32,

 dot11PrivacyOptionImplemented TruthValue,

 dot11PowerManagementMode INTEGER,

 dot11DesiredSSID OCTET STRING,

 dot11DesiredBSSType INTEGER,

 dot11OperationalRateSet OCTET STRING,

 dot11BeaconPeriod Unsigned32,

 dot11DTIMPeriod Unsigned32,

 dot11AssociationResponseTimeOut Unsigned32,

 dot11DisassociateReason Unsigned32,

 dot11DisassociateStation MacAddress,

 dot11DeauthenticateReason Unsigned32,

 dot11DeauthenticateStation MacAddress,

 dot11AuthenticateFailStatus Unsigned32,

 dot11AuthenticateFailStation MacAddress,

 dot11MultiDomainCapabilityImplemented TruthValue,

 dot11MultiDomainCapabilityActivated TruthValue,

 dot11CountryString OCTET STRING,

 dot11SpectrumManagementImplemented TruthValue,

 dot11SpectrumManagementRequired TruthValue,

 dot11RSNAOptionImplemented TruthValue,

 dot11RSNAPreauthenticationImplemented TruthValue,

 dot11OperatingClassesImplemented TruthValue,

 dot11OperatingClassesRequired TruthValue,

 dot11QosOptionImplemented TruthValue,

 dot11ImmediateBlockAckOptionImplemented TruthValue,

 dot11DelayedBlockAckOptionImplemented TruthValue,

 dot11DirectOptionImplemented TruthValue,

 dot11APSDOptionImplemented TruthValue,

 dot11QAckOptionImplemented TruthValue,

 dot11QBSSLoadImplemented TruthValue,

 dot11QueueRequestOptionImplemented TruthValue,

 dot11TXOPRequestOptionImplemented TruthValue,

 dot11MoreDataAckOptionImplemented TruthValue,

 dot11AssociateInNQBSS TruthValue,

 dot11DLSAllowedInQBSS TruthValue,

 dot11DLSAllowed TruthValue,

 dot11AssociateStation MacAddress,

 dot11AssociateID Unsigned32,

 dot11AssociateFailStation MacAddress,

 dot11AssociateFailStatus Unsigned32,

 dot11ReassociateStation MacAddress,

 dot11ReassociateID Unsigned32,

 dot11ReassociateFailStation MacAddress,

 dot11ReassociateFailStatus Unsigned32,

 dot11RadioMeasurementImplemented TruthValue,

 dot11RadioMeasurementActivated TruthValue,

 dot11RMMeasurementProbeDelay Unsigned32,

 dot11RMMeasurementPilotPeriod Unsigned32,

 dot11RMLinkMeasurementActivated TruthValue,

 dot11RMNeighborReportActivated TruthValue,

 dot11RMParallelMeasurementsActivated TruthValue,

 dot11RMRepeatedMeasurementsActivated TruthValue,

 dot11RMBeaconPassiveMeasurementActivated TruthValue,

 dot11RMBeaconActiveMeasurementActivated TruthValue,

 dot11RMBeaconTableMeasurementActivated TruthValue,

 dot11RMBeaconMeasurementReportingConditionsActivated TruthValue,

 dot11RMFrameMeasurementActivated TruthValue,

 dot11RMChannelLoadMeasurementActivated TruthValue,

 dot11RMNoiseHistogramMeasurementActivated TruthValue,

 dot11RMStatisticsMeasurementActivated TruthValue,

 dot11RMLCIMeasurementActivated TruthValue,

 dot11RMLCIAzimuthActivated TruthValue,

 dot11RMTransmitStreamCategoryMeasurementActivated TruthValue,

 dot11RMTriggeredTransmitStreamCategoryMeasurementActivated TruthValue,

 dot11RMAPChannelReportActivated TruthValue,

 dot11RMMIBActivated TruthValue,

 dot11RMMaxMeasurementDuration Unsigned32,

 dot11RMNonOperatingChannelMaxMeasurementDuration Unsigned32,

 dot11RMMeasurementPilotTransmissionInformationActivated TruthValue,

 dot11RMMeasurementPilotActivated Unsigned32,

 dot11RMNeighborReportTSFOffsetActivated TruthValue,

 dot11RMRCPIMeasurementActivated TruthValue,

 dot11RMRSNIMeasurementActivated TruthValue,

 dot11RMBSSAverageAccessDelayActivated TruthValue,

 dot11RMBSSAvailableAdmissionCapacityActivated TruthValue,

 dot11RMAntennaInformationActivated TruthValue,

 dot11FastBSSTransitionImplemented TruthValue,

 dot11LCIDSEImplemented TruthValue,

 dot11LCIDSERequired TruthValue,

 dot11DSERequired TruthValue,

 dot11ExtendedChannelSwitchActivated TruthValue,

 dot11RSNAProtectedManagementFramesActivated TruthValue,

 dot11RSNAUnprotectedManagementFramesAllowed TruthValue,

 dot11AssociationSAQueryMaximumTimeout Unsigned32,

 dot11AssociationSAQueryRetryTimeout Unsigned32,

 dot11HighThroughputOptionImplemented TruthValue,

 dot11RSNAPBACRequired TruthValue,

 dot11PSMPOptionImplemented TruthValue,

 dot11TunneledDirectLinkSetupImplemented TruthValue,

 dot11TDLSPeerUAPSDBufferSTAActivated TruthValue,

 dot11TDLSPeerPSMActivated TruthValue,

 dot11TDLSPeerUAPSDIndicationWindow Unsigned32,

 dot11TDLSChannelSwitchingActivated TruthValue,

 dot11TDLSPeerSTAMissingAckRetryLimit Unsigned32,

 dot11TDLSResponseTimeout Unsigned32,

 dot11OCBActivated TruthValue,

 dot11TDLSProbeDelay Unsigned32,

 dot11TDLSDiscoveryRequestWindow Unsigned32,

 dot11TDLSACDeterminationInterval Unsigned32,

 dot11WirelessManagementImplemented TruthValue,

 dot11BssMaxIdlePeriod Unsigned32,

 dot11BssMaxIdlePeriodOptions OCTET STRING,

 dot11TIMBroadcastInterval Unsigned32,

 dot11TIMBroadcastOffset Integer32,

 dot11TIMBroadcastHighRateTIMRate Unsigned32,

 dot11TIMBroadcastLowRateTIMRate Unsigned32,

 dot11StatsMinTriggerTimeout Unsigned32,

 dot11RMCivicMeasurementActivated TruthValue,

 dot11RMIdentifierMeasurementActivated TruthValue,

 dot11TimeAdvertisementDTIMInterval Unsigned32,

 dot11TimeAdvertisementTimeError OCTET STRING,

 dot11TimeAdvertisementTimeValue OCTET STRING,

 dot11RM3rdPartyMeasurementActivated TruthValue,

 dot11InterworkingServiceImplemented TruthValue,

 dot11InterworkingServiceActivated TruthValue,

 dot11QosMapImplemented TruthValue,

 dot11QosMapActivated TruthValue,

 dot11EBRImplemented TruthValue,

 dot11EBRActivated TruthValue,

 dot11ESNetwork TruthValue,

 dot11SSPNInterfaceImplemented TruthValue,

 dot11SSPNInterfaceActivated TruthValue,

 dot11HESSID MacAddress,

 dot11EASImplemented TruthValue,

 dot11EASActivated TruthValue,

 dot11MSGCFImplemented TruthValue,

 dot11MSGCFActivated TruthValue,

 dot11MeshActivated TruthValue,

 dot11RejectUnadmittedTraffic TruthValue,

 dot11BSSBroadcastNullCount Unsigned32,

 dot11QMFActivated TruthValue,

 dot11QMFReconfigurationActivated TruthValue,

 dot11QMFPolicyChangeTimeout Unsigned32,

 dot11RobustAVStreamingImplemented TruthValue,

 dot11MultibandImplemented TruthValue,

 dot11VHTOptionImplemented TruthValue,

 dot11OperatingModeNotificationImplemented TruthValue,

 dot11TVHTOptionImplemented TruthValue,

 dot11ChannelScheduleManagementActivated TruthValue,

 dot11ContactVerificationSignalActivated TruthValue,

 dot11ContactVerificationSignalInterval Unsigned32,

 dot11NetworkChannelControlActivated TruthValue,

 dot11RLSSActivated TruthValue,

 dot11WhiteSpaceMapActivated TruthValue,

 dot11WSSTAType INTEGER,

 dot11GeolocationCapabilityActivated TruthValue,

 dot11GDDActivated TruthValue,

 dot11GDDEnablementTimeLimit Unsigned32,

 dot11GDDEnablementFailHoldTime Unsigned32,

 dot11GDDEnablementValidityTimer Unsigned32,

 dot11S1GOptionImplemented TruthValue,

 dot11ShortBeaconOptionImplemented TruthValue,

 dot11ShortBeaconInterval Unsigned32,

 dot11ShortBeaconPeriod Unsigned32,

 dot11ShortBeaconDTIMPeriod Unsigned32,

 dot11ShortMACHeaderOptionImplemented TruthValue,

 dot11ShortProbeResponseOptionImplemented TruthValue,

 dot11HeaderCompressionResponseTimeout Unsigned32,

 dot11TSFTimerAccuracyImpemented TruthValue,

 dot11NonTIMModeActivated TruthValue,

 dot11PageSlicingCapability TruthValue,

 dot11PageSlicingSupported TruthValue,

 dot11DynamicAIDActivated TruthValue,

 dot11MulticastIDActivated TruthValue,

 dot11AMSDUSupport TruthValue,

 dot11AMPDUSupport TruthValue,

 dot11MCSNegotiation TruthValue,

 dot11AsymmetricBlockAckSupport TruthValue,

 dot11FragmentBAOptionImplemented TruthValue,

 dot11RAWOperationSupported TruthValue,

 dot11RAWOptionActivated TruthValue,

 dot11S1GUplinkSynchOptionImplemented TruthValue,

 dot11TravelingPilotCapability TruthValue,

 dot11TWTOptionActivated TruthValue,

 dot11TWTSupport TruthValue,

 dot11BATImplemented TruthValue,

 dot11PollTACKResponseSupport TruthValue,

 dot11NDPProbingActivated TruthValue,

 dot11NDPPSPollSupport TruthValue,

 dot11RelayAPOperation TruthValue,

 dot11RelayDiscoveryOptionImplemented TruthValue,

 dot11RelaySTACapable TruthValue,

 dot11RelaySTAOperation TruthValue,

 dot11RelaySupport TruthValue,

 dot11TXOPSharingImplicitACKSupport TruthValue,

 dot11S1GActivityEnabled TruthValue,

 dot11S1GAuthenticationControlActivated TruthValue,

 dot11S1GAuthenticationRequestTransmission TruthValue,

 dot11S1GCentralizedAuthenticationControlActivated TruthValue,

 dot11S1GDistributedAuthenticationControlActivated TruthValue,

 dot11SubchannelSelectiveTransmissionActivated TruthValue,

 dot11S1GSectorImplemented TruthValue,

 dot11S1GSectorizationActivated TruthValue

 }

Insert the following after the dot11GDDEnablementValidityTimer OPJECT-TYPE element in the Dot11StationConfig TABLE:

dot11S1GOptionImplemented OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This is a capability variable.

 Its value is determined by device capabilities.

 This attribute indicates whether the entity is S1G Capable."

 ::= { dot11StationConfigEntry 158}

dot11ShortBeaconOptionImplemented OBJECT-TYPE

dot11ShortBeaconInterval OBJECT-TYPE

dot11ShortBeaconPeriod OBJECT-TYPE

dot11ShortBeaconDTIMPeriod OBJECT-TYPE

dot11ShortMACHeaderOptionImplemented OBJECT-TYPE

dot11ShortProbeResponseOptionImplemented OBJECT-TYPE

dot11HeaderCompressionResponseTimeout OBJECT-TYPE

dot11TSFTimerAccuracyImpemented OBJECT-TYPE

dot11NonTIMModeActivated OBJECT-TYPE

dot11PageSlicingCapability OBJECT-TYPE

dot11PageSlicingSupported OBJECT-TYPE

dot11DynamicAIDActivated OBJECT-TYPE

dot11MulticastIDActivated OBJECT-TYPE

dot11AMSDUSupport OBJECT-TYPE

dot11AMPDUSupport OBJECT-TYPE

dot11MCSNegotiation OBJECT-TYPE

dot11AsymmetricBlockAckSupport OBJECT-TYPE

dot11FragmentBAOptionImplemented OBJECT-TYPE

dot11RAWOperationSupported OBJECT-TYPE

dot11RAWOptionActivated OBJECT-TYPE

dot11S1GUplinkSynchOptionImplemented OBJECT-TYPE

dot11TravelingPilotCapability OBJECT-TYPE

dot11TWTOptionActivated OBJECT-TYPE

dot11TWTSupport OBJECT-TYPE

dot11BATImplemented OBJECT-TYPE

dot11PollTACKResponseSupport OBJECT-TYPE

dot11NDPProbingActivated OBJECT-TYPE

dot11NDPPSPollSupport OBJECT-TYPE

dot11RelayAPOperation OBJECT-TYPE

dot11RelayDiscoveryOptionImplemented OBJECT-TYPE

dot11RelaySTACapable OBJECT-TYPE

dot11RelaySTAOperation OBJECT-TYPE

dot11RelaySupport OBJECT-TYPE

dot11TXOPSharingImplicitACKSupport OBJECT-TYPE

dot11S1GActivityEnabled OBJECT-TYPE

dot11S1GAuthenticationControlActivated OBJECT-TYPE

dot11S1GAuthenticationRequestTransmission OBJECT-TYPE

dot11S1GCentralizedAuthenticationControlActivated OBJECT-TYPE

dot11S1GDistributedAuthenticationControlActivated OBJECT-TYPE

dot11SubchannelSelectiveTransmissionActivated OBJECT-TYPE

dot11S1GSectorImplemented OBJECT-TYPE

dot11S1GSectorizationActivated OBJECT-TYPE

Change dot11BeaconRprtPhyType as follows:

dot11BeaconRprtPhyType OBJECT-TYPE

 SYNTAX INTEGER {

 fhss(1),

 dsss(2),

 irbaseband(3),

 ofdm(4),

 hrdsss(5),

 erp(6),

 ht(7)

 dmg(8),

 vht(9),

 tvht(10),

 S1G(11) }

 UNITS "dot11PHYType"

 MAX-ACCESS read-create

 STATUS current

 DESCRIPTION

 "This is a status variable.

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

 This attribute indicates the PHY used for frame reception in this row of the frame report."

 ::= { dot11BeaconReportEntry 9 }

Change dot11FrameRprtPhyType as follows:

dot11FrameRprtPhyType OBJECT-TYPE

 SYNTAX INTEGER {

 fhss(1),

 dsss(2),

 irbaseband(3),

 ofdm(4),

 hrdsss(5),

 erp(6),

 ht(7),

 dmg(8),

 vht(9),

 tvht(10),

 s1g(11) }

 UNITS "dot11PHYType"

 MAX-ACCESS read-create

 STATUS current

 DESCRIPTION

 "This is a status variable.

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

 This attribute indicates the PHY used for frame reception in this row of the frame report."

 ::= { dot11FrameReportEntry 10 }

Change dot11RMNeighborReportPhyType as follows:

dot11RMNeighborReportPhyType OBJECT-TYPE

 SYNTAX INTEGER {

 fhss(1),

 dsss(2),

 irbaseband(3),

 ofdm(4),

 hrdsss(5),

 erp(6),

 ht(7)

 dmg(8),

 vht(9),

 tvht(10),

 s1g(11) }

 UNITS "dot11PHYType"

 MAX-ACCESS read-create

 STATUS current

 DESCRIPTION

 "This is a status variable.

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

 This attribute indicates the PHY Type of the neighbor AP identified by this BSSID."

 ::= { dot11RMNeighborReportEntry 15 }

Insert the following after the dot11TVHTStationConfig TABLE:

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

-- \* dot11S1GStationConfig TABLE

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

dot11S1GStationConfigTable OBJECT-TYPE

 SYNTAX SEQUENCE OF Dot11S1GStationConfigEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "Station Configuration attributes. In tabular form to allow for multiple instances on an agent."

 ::= { dot11smt 33 }

dot11S1GStationConfigEntry OBJECT-TYPE

 SYNTAX Dot11S1GStationConfigEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "An entry (conceptual row) in the dot11HTStationConfig Table.

 ifIndex - Each IEEE 802.11 interface is represented by an ifEntry. Interface tables in this MIB module are indexed by ifIndex."

 INDEX { ifIndex }

 ::= { dot11S1GStationConfigTable 1 }

Dot11S1GStationConfigEntry ::=

 SEQUENCE {

 dot11MaxMPDULength INTEGER,

 dot11S1GMaxRxAMPDUFactor Unsigned32,

 dot11VHTControlFieldOptionImplemented TruthValue,

 dot11S1GRxVHTMCSMap OCTET STRING,

 dot11S1GTxVHTMCSMap OCTET STRING,

 dot11S1GOBSSScanCount Unsigned32

 }

dot11MaxMPDULength OBJECT-TYPE

 SYNTAX INTEGER { short(3895), long (7991) }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This is a capability variable.

 Its value is determined by device capabilities.

 This attribute indicates the supported maximum MPDU size."

 DEFVAL { short }

 ::= { dot11S1GStationConfigEntry 1 }

dot11S1GMaxRxAMPDUFactor OBJECT-TYPE

 SYNTAX Unsigned32 (0..7)

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This is a capability variable.

 Its value is determined by device capabilities.

 This attribute indicates the maximum length of A-MPDU that the STA can receive. The Maximum Rx A-MPDU defined by this field is equal to 2^(13+dot11S1GMaxRxAMPDUFactor) -1 octets."

 DEFVAL { 0 }

 ::= { dot11S1GStationConfigEntry 2 }

dot11VHTControlFieldOptionImplemented OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This is a capability variable.

 Its value is determined by device capabilities.

 This attribute, when true, indicates that the station implementation is capable of receiving the VHT variant HT Control field."

 DEFVAL { false }

 ::= { dot11S1GStationConfigEntry 3 }

dot11S1GRxS1GMCSMap OBJECT-TYPE

 SYNTAX OCTET STRING (SIZE(4))

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This is a capability variable.

 Its value is determined by device capabilities.

 Each octet represents the highest S1G-MCS supported (for Rx) on the number of streams represented by the octet position (first octet represents 1 stream, second octet represents 2 streams, etc.). A value 0 indicates that S1G-MCSs 0-2 are supported. A value 1 indicates that S1G-MCSs 0-7 are supported. A value 2 indicates that S1G-MCSs 0-9 are supported. A value 3 indicates no support for that number of spatial streams. For 1MHz, MCS10 is always supported."

 ::= { dot11S1GStationConfigEntry 4 }

dot11S1GTxS1GMCSMap OBJECT-TYPE

 SYNTAX OCTET STRING (SIZE(4))

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This is a capability variable.

 Its value is determined by device capabilities.

 Each octet represents the highest S1G-MCS supported (for Tx) on the number of streams represented by the octet position (first octet represents 1 stream, second octet represents 2 streams, etc.). A value 0 indicates that S1G-MCSs 0-2 are supported. A value 1 indicates that S1G-MCSs 0-7 are supported. A value 2 indicates that S1G-MCSs 0-9 are supported. A value 3 indicates no support for that number of spatial streams. For 1MHz, MCS10 is always supported."

 ::= { dot11S1GStationConfigEntry 5 }

dot11S1GOBSSScanCount OBJECT-TYPE

 SYNTAX Unsigned32 (3..100)

 MAX-ACCESS read-write

 STATUS current

 DESCRIPTION

 "This is a control variable.

 It is written by an external management entity or the SME.

 Changes take effect as soon as practical in the implementation.

 This attribute indicates the minimum number of scan operations perfomed on

 a channel to detect another OBSS."

 DEFVAL { 3 }

 ::= { dot11S1GStationConfigEntry 6 }

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

-- \* End of dot11S1GStationConfigTable TABLE

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

Change the dot11PHYType object as follows:

dot11PHYType OBJECT-TYPE

 SYNTAX INTEGER {

 fhss(1),

 dsss(2),

 irbaseband(3),

 ofdm(4),

 hrdsss(5),

 erp(6),

 ht(7)

 dmg(8),

 vht(9),

 tvht(10),

 s1g(11) }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This is a status variable.

 It is written by the PHY.

 This is an 8-bit integer value that identifies the PHY type supported by the attached PLCP and PMD. Currently defined values and their corresponding PHY types are:

 FHSS 2.4 GHz = 01, DSSS 2.4 GHz = 02, IR Baseband = 03,

 OFDM = 04, HRDSSS = 05, ERP = 06, HT = 07, DMG = 08, VHT = 09, TVHT = 10,

 S1G = 11"

 ::= { dot11PhyOperationEntry 1 }

Insert the dot11 Phy S1G TABLE and dot11 S1G Transmit Beamforming table below after the dot11 TVHT Transmit Beamforming table:

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

-- \* dot11 Phy S1G TABLE

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

dot11PhyS1GTable OBJECT-TYPE

 SYNTAX SEQUENCE OF Dot11PhyS1GEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "Entry of attributes for dot11PhyS1GTable. Implemented as a table indexed on ifIndex to allow for multiple instances on an Agent."

 ::= { dot11phy 27 }

dot11PhyS1GEntry OBJECT-TYPE

 SYNTAX Dot11PhyS1GEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "An entry in the dot11PhyHTEntry Table. ifIndex - Each IEEE 802.11 interface is represented by an ifEntry. Interface tables in this MIB module are indexed by ifIndex."

 INDEX {ifIndex}

 ::= { dot11PhyS1GTable 1 }

Dot11PhyS1GEntry ::=

 SEQUENCE {

 dot11S1GChannelWidthOptionImplemented TruthValue,

 dot11CurrentPrimaryChannel INTEGER,

 dot11CurrentChannelWidth INTEGER,

 dot11CurrentChannelCenterFrequencyIndex Unsigned32,

 dot11ShortGIOptionIn1MImplemented TruthValue,

 dot11ShortGIOptionIn1MActivated TruthValue,

 dot11ShortGIOptionIn2MImplemented TruthValue,

 dot11ShortGIOptionIn2MActivated TruthValue,

 dot11ShortGIOptionIn4MImplemented TruthValue,

 dot11ShortGIOptionIn4MActivated TruthValue,

 dot11ShortGIOptionIn8MImplemented TruthValue,

 dot11ShortGIOptionIn8MActivated TruthValue,

 dot11ShortGIOptionIn16MImplemented TruthValue,

 dot11ShortGIOptionIn16MActivated TruthValue,

 dot11S1GLDPCCodingOptionImplemented TruthValue,

 dot11S1GLDPCCodingOptionActivated TruthValue,

 dot11S1GTxSTBCOptionImplemented TruthValue,

 dot11S1GTxSTBCOptionActivated TruthValue,

 dot11S1GRxSTBCOptionImplemented TruthValue,

 dot11S1GRxSTBCOptionActivated TruthValue,

 dot11S1GMaxNTxChainsImplemented Unsigned32,

 dot11S1GMaxNTxChainsActivated Unsigned32,

 dot11S1GTravellingPilotOptionImplemented TruthValue,

 dot11S1GTravellingPilotOptionActivated TruthValue

 }

dot11S1GChannelWidthOptionImplemented OBJECT-TYPE

 SYNTAX INTEGER { contiguous2(0), contiguous4(1), contiguous8(2), contiguous16(3) }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This is a capability variable.

 Its value is determined by device capabilities.

 This attribute indicates the channel widths supported: 1/2 MHz, 1/2/4 MHz, 1/2/4/8 MHz or 1/2/4/8/16 MHz."

 DEFVAL { contiguous2 }

 ::= { dot11PhyS1GEntry 1 }

dot11CurrentPrimaryChannel OBJECT-TYPE

 SYNTAX Unsigned32

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This is a status variable.

 It is written by the PHY.

 This attribute indicates the channel number of 2MHz primary channel or 1MHz primary channel."

 ::= { dot11PhyS1GEntry 2 }

dot11CurrentChannelWidth OBJECT-TYPE

 SYNTAX INTEGER { cbw1(0), cbw2(1), cbw4(2), cbw8(3), cbw16(4) }

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This is a status variable.

 This attribute indicates the operating channel width."

 DEFVAL { cbw1 }

 ::= { dot11PhyS1GEntry 3 }

dot11CurrentChannelCenterFrequencyIndex OBJECT-TYPE

 SYNTAX Unsigned32 (0..200)

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This is a status variable.

 For a 1 MHz, 2 MHz, 4 MHz, 8 MHz or 16 MHz channel, denotes the channel center frequency."

 DEFVAL { 0 }

 ::= { dot11PhyS1GEntry 4 }

dot11ShortGIOptionIn1MImplemented OBJECT-TYPE

dot11ShortGIOptionIn1MActivated OBJECT-TYPE

dot11ShortGIOptionIn2MImplemented OBJECT-TYPE

dot11ShortGIOptionIn2MActivated OBJECT-TYPE

dot11ShortGIOptionIn4MImplemented OBJECT-TYPE

dot11ShortGIOptionIn4MActivated OBJECT-TYPE

dot11ShortGIOptionIn8MImplemented OBJECT-TYPE

dot11ShortGIOptionIn8MActivated OBJECT-TYPE

dot11ShortGIOptionIn16MImplemented OBJECT-TYPE

dot11ShortGIOptionIn16MActivated OBJECT-TYPE

dot11S1GLDPCCodingOptionImplemented OBJECT-TYPE

dot11S1GLDPCCodingOptionActivated OBJECT-TYPE

dot11S1GTxSTBCOptionImplemented OBJECT-TYPE

dot11S1GTxSTBCOptionActivated OBJECT-TYPE

dot11S1GRxSTBCOptionImplemented OBJECT-TYPE

dot11S1GRxSTBCOptionActivated OBJECT-TYPE

dot11S1GMaxNTxChainsImplemented OBJECT-TYPE

dot11S1GMaxNTxChainsActivated OBJECT-TYPE

dot11S1GTravellingPilotOptionImplemented OBJECT-TYPE

dot11S1GTravellingPilotOptionActivated OBJECT-TYPE

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

-- \* End of dot11PhyS1G TABLE

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

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

-- \* dot11 S1G Transmit Beamforming Config TABLE

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

dot11S1GTransmitBeamformingConfigTable OBJECT-TYPE

 SYNTAX SEQUENCE OF Dot11VHTTransmitBeamformingConfigEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "Entry of attributes for dot11S1GTransmitBeamformingConfigTable. Implemented as a table indexed on ifIndex to allow for multiple instances on an Agent."

 ::= { dot11phy 28 }

dot11S1GTransmitBeamformingConfigEntry OBJECT-TYPE

 SYNTAX Dot11S1GTransmitBeamformingConfigEntry

 MAX-ACCESS not-accessible

 STATUS current

 DESCRIPTION

 "An entry in the dot11S1GTransmitBeamformingConfig Table.

 ifIndex - Each IEEE 802.11 interface is represented by an ifEntry. Interface tables in this MIB module are indexed by ifIndex."

 INDEX {ifIndex}

 ::= { dot11S1GTransmitBeamformingConfigTable 1 }

Dot11S1GTransmitBeamformingConfigEntry ::=

 SEQUENCE {

 dot11S1GSUBeamformerOptionImplemented TruthValue,

 dot11S1GSUBeamformeeOptionImplemented TruthValue,

 dot11S1GMUBeamformerOptionImplemented TruthValue,

 dot11S1GMUBeamformeeOptionImplemented TruthValue,

 dot11S1GNumberSoundingDimensions Unsigned32,

 dot11S1GBeamformeeNTxSupport Unsigned32

 }

dot11S1GSUBeamformeeOptionImplemented OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This is a capability variable.

 Its value is determined by device capabilities.

 This attribute, when true, indicates that the STA supports the SU Beamformee role."

 DEFVAL { false }

 ::= { dot11S1GTransmitBeamformingConfigEntry 1 }

dot11S1GSUBeamformerOptionImplemented OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This is a capability variable.

 Its value is determined by device capabilities.

 This attribute, when true, indicates that the STA supports the SU Beamformer role."

 DEFVAL { false }

 ::= { dot11S1GTransmitBeamformingConfigEntry 2 }

dot11S1GMUBeamformeeOptionImplemented OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This is a capability variable.

 Its value is determined by device capabilities.

 This attribute, when true, indicates that the STA supports the MU Beamformee role."

 DEFVAL { false }

 ::= { dot11S1GTransmitBeamformingConfigEntry 3 }

dot11VHTMUBeamformerOptionImplemented OBJECT-TYPE

 SYNTAX TruthValue

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This is a capability variable.

 Its value is determined by device capabilities.

 This attribute, when true, indicates that the STA supports the MU Beamformer role."

 DEFVAL { false }

 ::= { dot11S1GTransmitBeamformingConfigEntry 4 }

dot11S1GNumberSoundingDimensions OBJECT-TYPE

 SYNTAX Unsigned32 (1..8)

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This is a capability variable.

 Its value is determined by device capabilities.

 This attribute indicates the number of antennas used by the beamformer when sending beamformed tansmissions."

 ::= { dot11S1GTransmitBeamformingConfigEntry 5 }

dot11S1GBeamformeeNTxSupport OBJECT-TYPE

 SYNTAX Unsigned32 (1..8)

 MAX-ACCESS read-only

 STATUS current

 DESCRIPTION

 "This is a capability variable.

 Its value is determined by device capabilities.

 This attribute indicates the maximum number of space-time streams that the STA can receive in a S1G NDP, the maximum value for NSTS,total that can be sent to the STA in a S1G MU PPDU if the STA is MU beamformee capable and the maximum value of Nr that the STA transmits in a S1G Compressed Beamforming frame."(#11035)

 ::= { dot11S1GTransmitBeamformingConfigEntry 6 }

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

-- \* End of dot11 S1G Transmit Beamforming Config TABLE

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

Insert the following compliance objects after the dot11TDLSComplianceGroup object:

dot11S1GTransmitBeamformingGroup OBJECT-GROUP

 OBJECTS {

 dot11S1GSUBeamformerOptionImplemented,

 dot11S1GSUBeamformeeOptionImplemented,

 dot11S1GMUBeamformerOptionImplemented,

 dot11S1GMUBeamformeeOptionImplemented,

 dot11S1GNumberSoundingDimensions,

 dot11S1GBeamformeeNTxSupport }

 STATUS current

 DESCRIPTION

 "Attributes that configure S1G transmit beamforming for IEEE 802.11."

 ::= { dot11Groups 82 }

dot11PhyS1GComplianceGroup OBJECT-GROUP

 OBJECTS {

 dot11S1GChannelWidthOptionImplemented,

 dot11CurrentPrimaryChannel,

 dot11CurrentChannelWidth,

 dot11CurrentChannelCenterFrequencyIndex,

 dot11ShortGIOptionIn1MImplemented,

 dot11ShortGIOptionIn1MActivated,

 dot11ShortGIOptionIn2MImplemented,

 dot11ShortGIOptionIn2MActivated,

 dot11ShortGIOptionIn4MImplemented,

 dot11ShortGIOptionIn4MActivated,

 dot11ShortGIOptionIn8MImplemented,

 dot11ShortGIOptionIn8MActivated,

 dot11ShortGIOptionIn16MImplemented,

 dot11ShortGIOptionIn16MActivated,

 dot11S1GLDPCCodingOptionImplemented,

 dot11S1GLDPCCodingOptionActivated,

 dot11S1GTxSTBCOptionImplemented,

 dot11S1GTxSTBCOptionActivated,

 dot11S1GRxSTBCOptionImplemented,

 dot11S1GRxSTBCOptionActivated,

 dot11S1GMaxNTxChainsImplemented,

 dot11S1GMaxNTxChainsActivated,

 dot11S1GTravellingPilotOptionImplemented,

 dot11S1GTravellingPilotOptionActivated }

 STATUS current

 DESCRIPTION

 "Attributes that configure the S1G PHY."

 ::= { dot11Groups 83 }

dot11S1GComplianceGroup OBJECT-GROUP

 OBJECTS {

 dot11S1GOptionImplemented,

 dot11ShortBeaconOptionImplemented,

 dot11ShortBeaconInterval,

 dot11ShortBeaconPeriod,

 dot11ShortBeaconDTIMPeriod,

 dot11ShortMACHeaderOptionImplemented,

 dot11ShortProbeResponseOptionImplemented,

 dot11HeaderCompressionResponseTimeout,

 dot11TSFTimerAccuracyImpemented,

 dot11NonTIMModeActivated,

 dot11PageSlicingCapability,

 dot11PageSlicingSupported,

 dot11DynamicAIDActivated,

 dot11MulticastIDActivated,

 dot11AMSDUSupport,

 dot11AMPDUSupport,

 dot11MCSNegotiation,

 dot11AsymmetricBlockAckSupport,

 dot11FragmentBAOptionImplemented,

 dot11RAWOperationSupported,

 dot11RAWOptionActivated,

 dot11S1GUplinkSynchOptionImplemented,

 dot11TravelingPilotCapability,

 dot11TWTOptionActivated,

 dot11TWTSupport,

 dot11BATImplemented,

 dot11PollTACKResponseSupport,

 dot11NDPProbingActivated,

 dot11NDPPSPollSupport,

 dot11RelayAPOperation,

 dot11RelayDiscoveryOptionImplemented,

 dot11RelaySTACapable,

 dot11RelaySTAOperation,

 dot11RelaySupport,

 dot11TXOPSharingImplicitACKSupport,

 dot11S1GActivityEnabled,

 dot11S1GAuthenticationControlActivated,

 dot11S1GAuthenticationRequestTransmission,

 dot11S1GCentralizedAuthenticationControlActivated,

 dot11S1GDistributedAuthenticationControlActivated,

 dot11SubchannelSelectiveTransmissionActivated,

 dot11S1GSectorImplemented,

 dot11S1GSectorizationActivated,

 dot11MaxMPDULength,

 dot11S1GMaxRxAMPDUFactor,

 dot11VHTControlFieldOptionImplemented,

 dot11S1GRxVHTMCSMap,

 dot11S1GTxVHTMCSMap,

 dot11S1GOBSSScanCount }

 STATUS current

 DESCRIPTION

 "Attributes that configure the S1G Group for IEEE 802.11."

 ::= { dot11Groups 84 }

Change the dot11Compliance object as follows:

dot11Compliance MODULE-COMPLIANCE

 STATUS current

 DESCRIPTION

 "The compliance statement for SNMPv2 entities that implement the IEEE 802.11 MIB."

 MODULE -- this module

 MANDATORY-GROUPS {

 dot11SMTbase12,

 dot11MACbase3,

 dot11CountersGroup3,

 dot11SmtAuthenticationAlgorithms,

 dot11ResourceTypeID,

 dot11PhyOperationComplianceGroup2 }

 GROUP dot11PhyDSSSComplianceGroup

 DESCRIPTION

 "Implementation of this group is required when object dot11PHYType is dsss.

 This group is mutually exclusive to the following groups:

 dot11PhyIRComplianceGroup

 dot11PhyFHSSComplianceGroup2

 dot11PhyOFDMComplianceGroup3

 dot11PhyHRDSSSComplianceGroup

 dot11PhyERPComplianceGroup

 dot11PhyHTComplianceGroup

 dot11DMGComplianceGroup

 dot11PhyVHTComplianceGroup

 dot11PhyTVHTComplianceGroup

 dot11PhyS1GComplianceGroup"

 GROUP dot11PhyOFDMComplianceGroup3

 DESCRIPTION

 "Implementation of this group is required when object dot11PHYType is ofdm.

 This group is mutually exclusive to the following groups:

 dot11PhyIRComplianceGroup

 dot11PhyFHSSComplianceGroup2

 dot11PhyDSSSComplianceGroup

 dot11PhyHRDSSSComplianceGroup

 dot11PhyERPComplianceGroup

 dot11PhyHTComplianceGroup

 dot11DMGComplianceGroup

 dot11PhyVHTComplianceGroup

 dot11PhyTVHTComplianceGroup

 dot11PhyS1GComplianceGroup"

 GROUP dot11PhyHRDSSSComplianceGroup

 DESCRIPTION

 "Implementation of this group is required when object dot11PHYType is hrdsss.

 This group is mutually exclusive to the following groups:

 dot11PhyIRComplianceGroup

 dot11PhyFHSSComplianceGroup2

 dot11PhyDSSSComplianceGroup

 dot11PhyOFDMComplianceGroup3

 dot11PhyERPComplianceGroup

 dot11PhyHTComplianceGroup

 dot11DMGComplianceGroup

 dot11PhyVHTComplianceGroup

 dot11PhyTVHTComplianceGroup

 dot11PhyS1GComplianceGroup"

 GROUP dot11PhyERPComplianceGroup

 DESCRIPTION

 "Implementation of this group is required when object dot11PHYType is ERP.

 This group is mutually exclusive to the following groups:

 dot11PhyIRComplianceGroup

 dot11PhyFHSSComplianceGroup2

 dot11PhyDSSSComplianceGroup

 dot11PhyOFDMComplianceGroup3

 dot11PhyHRDSSSComplianceGroup

 dot11PhyHTComplianceGroup

 dot11DMGComplianceGroup

 dot11PhyVHTComplianceGroup

 dot11PhyTVHTComplianceGroup

 dot11PhyS1GComplianceGroup"

 GROUP dot11PhyHTComplianceGroup

 DESCRIPTION

 "Implementation of this group is required when object dot11PHYType has the value of ht.

 This group is mutually exclusive to the following groups:

 dot11PhyIRComplianceGroup

 dot11PhyFHSSComplianceGroup2

 dot11PhyDSSSComplianceGroup

 dot11PhyOFDMComplianceGroup3

 dot11PhyHRDSSSComplianceGroup

 dot11PhyERPComplianceGroup

 dot11DMGComplianceGroup

 dot11PhyVHTComplianceGroup

 dot11PhyTVHTComplianceGroup

 dot11PhyS1GComplianceGroup"

 GROUP dot11PhyVHTComplianceGroup

 DESCRIPTION

 "Implementation of this group is required when object dot11PHYType has the value of vht.

 This group is mutually exclusive to the following groups:

 dot11PhyIRComplianceGroup

 dot11PhyFHSSComplianceGroup2

 dot11PhyDSSSComplianceGroup

 dot11PhyOFDMComplianceGroup3

 dot11PhyHRDSSSComplianceGroup

 dot11PhyERPComplianceGroup

 dot11DMGComplianceGroup

 dot11PhyHTComplianceGroup

 dot11PhyTVHTComplianceGroup

 dot11PhyS1GComplianceGroup"

 GROUP dot11PhyTVHTComplianceGroup

 DESCRIPTION

 "Implementation of this group is required when object dot11PHYType has the value of tvht.

 This group is mutually exclusive to the following groups:

 dot11PhyIRComplianceGroup

 dot11PhyFHSSComplianceGroup2

 dot11PhyDSSSComplianceGroup

 dot11PhyOFDMComplianceGroup3

 dot11PhyHRDSSSComplianceGroup

 dot11PhyERPComplianceGroup

 dot11PhyHTComplianceGroup

 dot11DMGComplianceGroup

 dot11PhyVHTComplianceGroup

 dot11PhyS1GComplianceGroup"

 GROUP dot11PhyS1GComplianceGroup

 DESCRIPTION

 "Implementation of this group is required when object dot11PHYType has the value of s1g.

 This group is mutually exclusive to the following groups:

 dot11PhyIRComplianceGroup

 dot11PhyFHSSComplianceGroup2

 dot11PhyDSSSComplianceGroup

 dot11PhyOFDMComplianceGroup3

 dot11PhyHRDSSSComplianceGroup

 dot11PhyERPComplianceGroup

 dot11PhyHTComplianceGroup

 dot11DMGComplianceGroup

 dot11PhyVHTComplianceGroup

 dot11PhyTVHTComplianceGroup"

Insert the following after GROUP dot11VHTMACAdditions:

 GROUP dot11S1GTransmitBeamformingGroup

 DESCRIPTION

 "The dot11S1GTransmitBeamformingGroup group is optional."

 GROUP dot11S1GComplianceGroup

 DESCRIPTION

 "The dot11S1GComplianceGroup group is optional."

Change OPTIONAL-GROUPS as follows:

-- OPTIONAL-GROUPS {

 -- dot11SMTprivacy

 -- dot11MACStatistics,

 -- dot11PhyAntennaComplianceGroup,

 -- dot11PhyTxPowerComplianceGroup,

 -- dot11PhyRegDomainsSupportGroup,

 -- dot11PhyAntennasListGroup,

 -- dot11PhyRateGroup,

 -- dot11MultiDomainCapabilityGroup,

 -- dot11PhyFHSSComplianceGroup2,

 -- dot11RSNAadditions,

 -- dot11OperatingClassesGroup,

 -- dot11Qosadditions,

 -- dot11RMCompliance,

 -- dot11FTComplianceGroup

 -- dot11PhyAntennaComplianceGroup2,

 -- dot11HTMACadditions,

 -- dot11PhyMCSGroup,

 -- dot11TransmitBeamformingGroup,

 -- dot11VHTTransmitBeamformingGroup,

 -- dot11PhyVHTComplianceGroup,

 -- dot11VHTMACAdditions,

 -- dot11TVHTTransmitBeamformingGroup,

 -- dot11PhyTVHTComplianceGroup,

 -- dot11S1GTransmitBeamformingGroup,

 -- dot11PhyS1GComplianceGroup,

 -- dot11S1GComplianceGroup,

 -- dot11WNMCompliance}

Insert the following after dot11TDLSCompliance:

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

-- \* Compliance Statements – S1G

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

dot11S1GCompliance MODULE-COMPLIANCE

 STATUS current

 DESCRIPTION

 "This object class provides the objects from the IEEE 802.11

 MIB used to operate at sub 1 GHz."

 MODULE -- this module

 MANDATORY-GROUPS { dot11PhyS1GComplianceGroup, dot11PhyTxPowerComplianceGroup2, dot11S1GTransmitBeamformingGroup, dot11S1GComplianceGroup }

-- OPTIONAL-GROUPS { }

 ::= { dot11Compliances 16 }