

Project	IEEE 802.20 Working Group on Mobile Broadband Wireless Access	
Title	Proposed Text for 802.20 Enhanced MIB Chapter – Wideband Mode	
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Re:	IEEE 802.20 Enhanced MIB Chapter – Wideband Mode	
Abstract	This contribution proposes a draft enhanced MIB chapter for IEEE 802.20 Wideband Mode. Enhancements include the use of REFERENCES clauses for read-create and read-only objects, SECURITY clauses for read-create objects, as requested during the 802.20 sponsor ballot. This contribution combines the materials submitted previously in C802.20-08/10 and C802.20-08/06 to produce a complete draft MIB chapter.	
Purpose	For consideration and approval of 802.20.	
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1

2 17 MAC and PHY MIB

3 1.1 Overview

4 This chapter defines a Management Information Base (MIB) module for managing the MAC and
 5 PHY. For a detailed overview of the documents that describe the current Internet-Standard
 6 Management Framework, please refer to Section 7 of IETF RFC 3410.

7 Managed objects are accessed via a virtual information store, termed the Management Information
 8 Base or MIB. MIB objects are generally accessed through the Simple Network Management Protocol
 9 (SNMP). Objects in the MIB are defined using the mechanisms specified in the Structure of
 10 Management Information (SMI). The MIB module specified here is compliant to the SMIv2, which
 11 is described in IETF STD 58, RFC 2578, RFC 2579, and RFC 2580.

12

13 1.2 MIB Structure

14 The MIB structure is based on the architecture reference model in **Error! Reference source not**
 15 **found.** and the layering architecture for the air interface in **Error! Reference source not found..** The
 16 MIB object is composed of two groups:

- 17 ■ dot20An: This group contains managed objects defined for the access network.
- 18 ■ dot20Cmn: This group contains managed objects defined for the access network and the
 19 access terminal.

20 1.3 Security Considerations

21 The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD",
 22 "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this section are to be
 23 interpreted as described in BCP 14, RFC 2119 [RFC2119].

24 This MIB relates to a system which will provide mobile broadband wireless access. As such,
 25 improper manipulation of the objects represented by this MIB may result in denial of service to a
 26 large number of end-users.

27 The MIB objects in the Dot20AnChannelBandsEntry SEQUENCE contain 8 objects used to set the
 28 frequency band of the transmitting base station. An administrator should take great care to include
 29 only authorized, licensed channel bands in the table. Failure to take these measures might cause a
 30 base station to violate local regulatory laws (e.g. FCC licensing in the USA) by transmitting power
 31 into unauthorized channels in the country where the base station is deployed.

32 The Dot20AnTransmitPower OBJECT sets the power for the base station in dBm. Unauthorized
 33 access to this object may allow an attacker to boost power and violate local regulatory laws (e.g.

1 FCC licensing in the USA) by transmitting excessive power into a licensed band. This may also lead
 2 to excessive sideband emissions in adjacent bands.

3 The Dot20AnNeighborListEntry SEQUENCE defines information about adjacent sectors that is
 4 broadcast by the overhead channels of a base station. Terminals functioning in any sector may read
 5 the overhead channels from other sectors, including those whose MIB may have become
 6 compromised or corrupted due to unauthorized access. Such terminals may therefore incorporate
 7 incorrect handoff information into their databases of potential sectors for handoff. Thus,
 8 unauthorized access of the MIB in one sector, can affect the performance and handoff characteristics
 9 of terminals operating correctly in adjacent sectors.

10 There are no MIB objects that could allow a user to increase their access rights to system service
 11 levels. None of the readable objects in this MIB module (i.e., objects with a MAX-ACCESS other
 12 than not-accessible) may be considered capable of revealing sensitive or vulnerable personal
 13 information. This MIB is not capable of revealing user information that could violate privacy laws.

14 There are no MIB objects that could be used to turn off or change the security parameter
 15 configuration of an 802.20 access node. The presence or absence of security (encryption,
 16 authentication) is controlled by the session state record for each individual user, and cannot be
 17 modified by an attacker accessing the MIB.

18 SNMP versions prior to SNMPv3 did not include adequate security. Even if the network itself is
 19 secure (for example by using IPsec), there is no control as to who on the secure network is allowed to
 20 access and GET/SET (read/change/create/delete) the objects in this MIB module.

21 It is RECOMMENDED that implementers consider the security features as provided by the SNMPv3
 22 framework (see [RFC3410], section 8), including full support for the SNMPv3 cryptographic
 23 mechanisms (for authentication and privacy).

24 Further, deployment of SNMP versions prior to SNMPv3 is NOT RECOMMENDED. Instead, it is
 25 RECOMMENDED to deploy SNMPv3 and to enable cryptographic security. It is then a
 26 customer/operator responsibility to ensure that the SNMP entity giving access to an instance of this
 27 MIB module is properly configured to give access to the objects only to those principals (users) that
 28 have legitimate rights to indeed GET or SET (change/create/delete) them.

29

30 **1.4 IANA Considerations**

31 No IANA actions are required by this document.

32

33 **1.5 Definition**

```
34 IEEE802dot20-MIB DEFINITIONS ::= BEGIN
35
36 IMPORTS
37   ifIndex
38     FROM IF-MIB
39   MODULE-COMPLIANCE, OBJECT-GROUP
40
```

```

1      FROM SNMPv2-CONF
2      Counter32, Counter64, Integer32, MODULE-IDENTITY, OBJECT-IDENTITY,
3      OBJECT-TYPE, transmission
4          FROM SNMPv2-SMI
5      RowPointer, RowStatus, TEXTUAL-CONVENTION, TruthValue
6          FROM SNMPv2-TC
7      ;
8
9  ieee802dot20 MODULE-IDENTITY
10     LAST-UPDATED    "200805301948Z" -- May 30, 2008
11     ORGANIZATION
12         "IEEE 802.20"
13     CONTACT-INFO
14         "Contact: IEEE 802.20 Working Group
15             Postal:
16
17             Tel:
18             Fax:
19             E-mail:   "
20     DESCRIPTION
21         "The MIB module for IEEE 802.20 entities.
22             (The transmission oid used for this MIB needs to be updated
23             when a valid one is obtained from IANA along with the new
24             802.20 ifType)"
25     ::= { transmission 9999 }
26
27 Dot20AnChannelBandsEntry ::= SEQUENCE
28 {
29     dot20AnChannelBandIndex      Integer32,
30     dot20AnSystemType           Integer32,
31     dot20AnBandClass            Integer32,
32     dot20AnChannelNumber        Integer32,
33     dot20AnHalfDuplexSupported TruthValue,
34     dot20AnReverseChannelBandClass Integer32,
35     dot20AnReverseChannelNumber Integer32,
36     dot20AnCyclicPrefixLength   Integer32,
37     dot20AnFFTSIZE              Integer32,
38     dot20AnCBNumGuardSubcarriers Integer32,
39     dot20AnChannelBandShortId   Integer32,
40     dot20AnChannelBandAccessHashMask Integer32,
41     dot20AnChannelBandStatus    RowStatus
42 }
43
44 Dot20AnIdleStateStatsEntry ::= SEQUENCE
45 {
46     dot20AnAccessAttemptCounts   Counter32,
47     dot20AnAccessAttemptFailCounts Counter32,
48     dot20AnPageAttemptCounts    Counter32,
49     dot20AnPageFailureCounts    Counter32
50 }
51
52 Dot20AnNeighborListEntry ::= SEQUENCE
53 {
54     dot20AnNeighborIndex        Integer32,
55     dot20AnNeighborSectorPointer RowPointer,
56     dot20AnNeighborRowStatus    RowStatus
57 }
58
59 Dot20AnNeighborSectorsEntry ::= SEQUENCE
60 {
61     dot20AnNeighborSectorIndex   Integer32,
62     dot20AnNeighborPilotID      Integer32,
63     dot20AnNeighborEffTransmitPower Integer32,
64     dot20AnNeighborChannelBandRef Integer32,
65     dot20AnNeighborChannelShortID Integer32,
66     dot20AnNeighborsSameANAsPrimSect TruthValue,
67     dot20AnNeighborSectorPilotGrpId Integer32,
68     dot20AnNeighborSynchGroupId Integer32,

```

```

1      dot20AnNeighborSectorCellGroupId Integer32,
2      dot20AnNeighborSectorStatus      RowStatus
3  }
4
5 Dot20AnOtherTechNghbrsEntry ::= SEQUENCE
6  {
7      dot20AnOtherTechnologyIndex    Integer32,
8      dot20AnTechnologyType        Integer32,
9      dot20AnTechNghbrListLength   Integer32,
10     dot20AnTechnologyNeighborList OCTET STRING,
11     dot20AnOtherTechNghbrRowStatus RowStatus
12 }
13
14 Dot20AnSecondaryRegZoneCodeEntry ::= SEQUENCE
15  {
16      dot20AnSecondaryRegZoneCodeIndex Integer32,
17      dot20AnSecRegZoneCode          Integer32,
18      dot20AnSecondaryRegZoneRowStatus RowStatus
19 }
20
21 Dot20AnSectorCdmaSubSegEntry ::= SEQUENCE
22  {
23      dot20AnInterlaceId           Integer32,
24      dot20AnCdmaSubSegmentNum    Integer32,
25      dot20AnSectorCdmaSubSegRowStatus RowStatus
26 }
27
28 Dot20AnSectorConfigEntry ::= SEQUENCE
29  {
30      dot20AnTotalNumSubcarriers   Integer32,
31      dot20AnNumGuardSubcarriers  Integer32,
32      dot20AnFlSubzoneSize       Integer32,
33      dot20AnResourceChannelMuxMode Integer32,
34      dot20AnNumDRCHSubzones     Integer32,
35      dot20AnFLReservedInterlaces INTEGER,
36      dot20AnNumFLReservedSubzones Integer32,
37      dot20AnCpichHoppingMode    Integer32,
38      dot20AnNumEffectiveAntennas Integer32,
39      dot20AnNumCommonSegmentHopPorts Integer32,
40      dot20AnNumLABSegments      Integer32,
41      dot20AnMinScchResourceIndex Integer32,
42      dot20AnSinglePAForXCarriers Integer32,
43      dot20AnFlSdmaNumSubtrees   Integer32,
44      dot20AnFDPICHCodeOffsetSubtree0 Integer32,
45      dot20AnFDPICHCodeOffsetSubtree1 Integer32,
46      dot20AnFDPICHCodeOffsetSubtree2 Integer32,
47      dot20AnFDPICHCodeOffsetSubtree3 Integer32,
48      dot20AnNumCmnPilotTxAnt   Integer32,
49      dot20AnModSymbolsPerQPSKLAB Integer32,
50      dot20AnUseDrchForFlcs     Integer32,
51      dot20AnEnableExpandedQPCH  TruthValue,
52      dot20AnSectorConfigRowStatus RowStatus
53 }
54
55 Dot20AnSectorExtChanInfoEntry ::= SEQUENCE
56  {
57      dot20AnPilotID              Integer32,
58      dot20AnHalfDuplexModeSupported TruthValue,
59      dot20AnFACKBandwidthFactor   Integer32,
60      dot20AnSFNCeLLID            Integer32,
61      dot20AnCeLLNullID          Integer32,
62      dot20AnMaxNumSharedLABs    Integer32,
63      dot20AnMaxNumLABs          Integer32,
64      dot20AnMax16QamScchBlocks  Integer32,
65      dot20AnPdCabResSharingEnabled TruthValue,
66      dot20AnNumAckableLABs      Integer32,
67      dot20An16QamScchT2PRatio   INTEGER,
68      dot20AnEffectiveTransmitPower Integer32,

```

```

1      dot20AnAssignmentAckHARQTx      Integer32,
2      dot20AnCQIPilotTransmitPower   Integer32,
3      dot20AnCommonPilotTransmitPower Integer32,
4      dot20AnCDMAInterlacesBitmap   Integer32,
5      dot20AnNumOdcchReports       Integer32,
6      dot20AnNumRLCdmaSubsegments  Integer32,
7      dot20AnRackBandwidthFactor   Integer32,
8      dot20AnRlNumSdmaDimensions   Integer32,
9      dot20AnRlDpichCodeOffsetSubtree0 Integer32,
10     dot20AnRlDpichCodeOffsetSubtree1 Integer32,
11     dot20AnRlDpichCodeOffsetSubtree2 Integer32,
12     dot20AnRlDpichCodeOffsetSubtree3 Integer32,
13     dot20AnRlSubzoneSize         Integer32,
14     dot20AnSilenceIntervalPeriod Integer32,
15     dot20AnSilenceIntervalDuration Integer32,
16     dot20AnNumSilenceIntervalSubzone Integer32,
17     dot20AnAckInterferenceOffset Integer32,
18     dot20AnMacIdRange            INTEGER,
19     dot20AnFlPcReportInterval    Integer32,
20     dot20AnFlPqiReportInterval   Integer32,
21     dot20AnFlIoReportInterval    Integer32,
22     dot20AnFastIoTEnabled       TruthValue,
23     dot20AnFastOSIEnabled       TruthValue,
24     dot20AnRabEnabled           TruthValue,
25     dot20AnOsiResponseMode      INTEGER,
26     dot20AnSlowInterferenceOffset Integer32,
27     dot20AnCtrlAccessOffset     Integer32,
28     dot20AnRlAuxPilotPower      Integer32,
29     dot20AnReqQoSPowerBoost     Integer32,
30     dot20AnErasureTargetCtoI0   Integer32,
31     dot20AnErasureTargetCtoI1   Integer32,
32     dot20AnErasureTargetCtoI2   Integer32,
33     dot20AnErasureTargetCtoI3   Integer32,
34     dot20AnAccessCycleDuration Integer32,
35     dot20AnMaxProbesPerSequence Integer32,
36     dot20AnProbeRampUpStepSize Integer32,
37     dot20AnPilotThreshold1     Integer32,
38     dot20AnPilotThreshold2     Integer32,
39     dot20AnOpenLoopAdjust       Integer32,
40     dot20AnAccessRetryPersistance0 Integer32,
41     dot20AnAccessRetryPersistance1 Integer32,
42     dot20AnAccessRetryPersistance2 Integer32,
43     dot20AnAccessRetryPersistance3 Integer32,
44     dot20AnAccessRetryPersistance4 Integer32,
45     dot20AnAccessRetryPersistance5 Integer32,
46     dot20AnAccessRetryPersistance6 Integer32,
47     dot20AnAccessRetryPersistance7 Integer32,
48     dot20AnSectorExtChanRowStatus RowStatus
49 }
50
51 Dot20AnSectorGrpResSetsEntry ::= SEQUENCE
52 {
53     dot20AnResourceSetId          Integer32,
54     dot20AnResourceSetBitmap       Integer32,
55     dot20AnBRCHSubzoneCyclingEnabled TruthValue,
56     dot20AnResourceSetSubZoneSpacing Integer32,
57     dot20AnNumResourceSubzones   Integer32,
58     dot20AnResourceSubzoneOffset  Integer32,
59     dot20AnResourceSetRowStatus   RowStatus
60 }
61
62 Dot20AnSectorIpsiEntry ::= SEQUENCE
63 {
64     dot20AnIpsiIndex      Integer32,
65     dot20AnSupportedIpsi   Integer32,
66     dot20AnIpsiRowStatus  RowStatus
67 }
68

```

```

1  Dot20AnSectorParamEntry ::= SEQUENCE
2  {
3      dot20AnMobileCountryCode    Integer32,
4      dot20AnMobileNetworkCode   Integer32,
5      dot20AnSectorID           OCTET STRING,
6      dot20AnChannelBandRef     Integer32,
7      dot20AnLatitude           Integer32,
8      dot20AnLongitude          Integer32,
9      dot20AnLeapSeconds        Integer32,
10     dot20AnLocalTimeOffset    Integer32,
11     dot20AnPrimaryRegZoneCode Integer32,
12     dot20AnAnGroupId          Integer32,
13     dot20AnPilotGroupId       Integer32,
14     dot20AnSynchronousGroupId Integer32,
15     dot20AnCellGroupId        Integer32,
16     dot20AnSectorParamRowStatus RowStatus
17 }
18
19 Dot20AnSectorToIfIndexEntry ::= SEQUENCE
20 {
21     dot20AnIfChannelBandRef Integer32
22 }
23
24 Dot20CmnAuthStatsEntry ::= SEQUENCE
25 {
26     dot20CmnAuthFailureCounts Counter64,
27     dot20CmnAuthSuccessCounts Counter64
28 }
29
30 Dot20CmnLMACPacketStatsEntry ::= SEQUENCE
31 {
32     dot20CmnPacketFormatIndex Integer32,
33     dot20CmnARQAttemptsIndex Integer32,
34     dot20CmnFwdTxPacketCounts Counter64,
35     dot20CmnRevRxPacketCounts Counter64
36 }
37
38 Dot20CmnLMACStatsEntry ::= SEQUENCE
39 {
40     dot20CmnFLABCounts         Counter64,
41     dot20CmnRLABCounts         Counter64,
42     dot20CmnAccessGrantCounts Counter64
43 }
44
45 Dot20CmnQmpStatsEntry ::= SEQUENCE
46 {
47     dot20CmnActiveReservationsCounts Counter64,
48     dot20CmnIdleReservationsCounts   Counter64,
49     dot20CmnReservationOpenCounts   Counter64,
50     dot20CmnReservationCloseCounts Counter64,
51     dot20CmnReservationFailCounts  Counter64
52 }
53
54 Dot20CmnRlpStatsEntry ::= SEQUENCE
55 {
56     dot20CmnStreamId           Integer32,
57     dot20CmnRlpTxBytes         Counter64,
58     dot20CmnRlpReTxBytes       Counter64,
59     dot20CmnRlpTxDropBytes     Counter64,
60     dot20CmnRlpTxStatus       Counter64,
61     dot20CmnRlpRxBytes         Counter64,
62     dot20CmnRlpRxStatus       Counter64,
63     dot20CmnRlpTxPackets      Counter64,
64     dot20CmnRlpReTxPackets    Counter64,
65     dot20CmnRlpTxeDropPackets Counter64,
66     dot20CmnRlpRxPackets      Counter64,
67     dot20CmnRlpTxNAKTimeouts  Counter64,
68     dot20CmnRlpTxACKTimeouts  Counter64

```

```

1   }
2
3 dot20An OBJECT-IDENTITY
4   STATUS      current
5   DESCRIPTION
6     "AN specific configuration and statistics."
7   ::= { ieee802dot20 1 }
8
9 dot20AnMac OBJECT-IDENTITY
10  STATUS      current
11  DESCRIPTION
12    "MAC layer objects"
13  ::= { dot20An 1 }
14
15 dot20AnConnectionControl OBJECT IDENTIFIER ::= { dot20AnMac 3 }
16
17 dot20AnIdleState OBJECT IDENTIFIER ::= { dot20AnConnectionControl 1 }
18
19 dot20AnIdleStateStatsTable OBJECT-TYPE
20   SYNTAX      SEQUENCE OF Dot20AnIdleStateStatsEntry
21   MAX-ACCESS  not-accessible
22   STATUS      current
23   DESCRIPTION
24     "This table provides one row of Idle State protocol statistics
25     per 802.20 interface (i.e. sector for a specific ChannelBand)
26     and carrier."
27  ::= { dot20AnIdleState 1 }
28
29 dot20AnIdleStateStatsEntry OBJECT-TYPE
30   SYNTAX      Dot20AnIdleStateStatsEntry
31   MAX-ACCESS  not-accessible
32   STATUS      current
33   DESCRIPTION
34     "An Entry (conceptual row) in the IdleStateStats table. This
35     table is indexed by ifIndex and CarrierID. ifIndex: Each IEEE
36     802.20 interface (uniquely identified by SectorID) is
37     represented by an ifEntry. In the case of a multicarrier
38     Sector, the carrierID identifies one specific carrier."
39   REFERENCE
40     "IEEE Std. 802.20-2008, Subclause 8.4 (Access Channel MAC
41       Protocol)"
42   INDEX
43     { ifIndex }
44  ::= { dot20AnIdleStateStatsTable 1 }
45
46 dot20AnAccessAttemptCounts OBJECT-TYPE
47   SYNTAX      Counter32
48   MAX-ACCESS  read-only
49   STATUS      current
50   DESCRIPTION
51     "Number of Access Attempts among all Terminals"
52   REFERENCE
53     "IEEE Std. 802.20-2008, Subclause 8.4.5.5.2,
54       (Access Channel MAC Protocol / AN Requirements)"
55  ::= { dot20AnIdleStateStatsEntry 1 }
56
57 dot20AnAccessAttemptFailCounts OBJECT-TYPE
58   SYNTAX      Counter32
59   MAX-ACCESS  read-only
60   STATUS      current
61   DESCRIPTION
62     "Number of Failed Access Attempts among all Terminals.
63       Incremented when access RLAB is not used by a terminal."
64   REFERENCE
65     "IEEE Std. 802.20-2008, Subclause 11.5.4.3.2 (BindATI), and
66       Subclause 11.2.4.6.2.1 (issuing ConnectedState.Deactivate)"
67  ::= { dot20AnIdleStateStatsEntry 2 }
68

```

```

1  dot20AnPageAttemptCounts OBJECT-TYPE
2      SYNTAX          Counter32
3      MAX-ACCESS     read-only
4      STATUS          current
5      DESCRIPTION
6          "Number of Page Attempts"
7      REFERENCE
8          "IEEE Std. 802.20-2008, Subclause 8.3.5.8 (TX and RX of F-QPCH
9              Physical Layer), and Table 208 (RouteOpenRequestReason encoding)"
10         ::= { dot20AnIdleStateStatsEntry 3 }
11
12 dot20AnPageFailureCounts OBJECT-TYPE
13     SYNTAX          Counter32
14     MAX-ACCESS     read-only
15     STATUS          current
16     DESCRIPTION
17         "Number of Failed Page Attempts"
18     REFERENCE
19         "IEEE Std. 802.20-2008, Subclause 8.3.5.8 (TX and RX of F-QPCH
20             Physical Layer), and Table 208 (RouteOpenRequestReason encoding)"
21         ::= { dot20AnIdleStateStatsEntry 4 }
22
23 dot20AnOverheadMessages OBJECT IDENTIFIER ::= { dot20AnConnectionControl 4 }
24
25 dot20AnSectorConfigTable OBJECT-TYPE
26     SYNTAX          SEQUENCE OF Dot20AnSectorConfigEntry
27     MAX-ACCESS     not-accessible
28     STATUS          current
29     DESCRIPTION
30         "This table provides one row per 802.20 interface, i.e. sector
31             for a specific ChannelBand. This table's attributes specify the
32                 configuration of the corresponding sector, and can be used to
33                     populate fields in SystemInfo block and QuickChannelInfo
34                         message, which are transmitted by the Overhead Messages Protocol."
35         ::= { dot20AnOverheadMessages 1 }
36
37 dot20AnSectorConfigEntry OBJECT-TYPE
38     SYNTAX          Dot20AnSectorConfigEntry
39     MAX-ACCESS     not-accessible
40     STATUS          current
41     DESCRIPTION
42         "An Entry (conceptual row) in the SectorConfig table. This
43             table is indexed by IfIndex. ifIndex: Each IEEE 802.20
44                 interface (uniquely identified by SectorID) is represented by
45                     an ifEntry."
46     REFERENCE
47         "IEEE Std. 802.20-2008, Subclause 11.6 (Overhead Messages Protocol)"
48     INDEX
49         { ifIndex }
50     ::= { dot20AnSectorConfigTable 1 }
51
52 dot20AnTotalNumSubcarriers OBJECT-TYPE
53     SYNTAX          Integer32 (0..7)
54     MAX-ACCESS     read-write
55     STATUS          current
56     DESCRIPTION
57         "This parameter takes the value  $2^{(7+n)}$ , where n is the
58             value of the 3 bit field. This field is not be set to a
59                 value of 5 or above."
60     REFERENCE
61         "IEEE Std. 802.20-2008, Subclause 11.6.5.2 (SystemInfo Block)"
62         ::= { dot20AnSectorConfigEntry 29 }
63
64 dot20AnNumGuardSubcarriers OBJECT-TYPE
65     SYNTAX          Integer32 (0..7)
66     MAX-ACCESS     read-write
67     STATUS          current
68     DESCRIPTION

```

```

1      "This attribute determines the number of guard subcarriers
2          as defined in 802.20 Physical layer specification."
3  REFERENCE
4      "IEEE Std. 802.20-2008, Subclause 11.6.5.2 (SystemInfo Block)"
5  ::= { dot20AnSectorConfigEntry 30 }
6
7  dot20AnFlSubzoneSize OBJECT-TYPE
8      SYNTAX      Integer32 (0..1)
9      MAX-ACCESS  read-write
10     STATUS      current
11    DESCRIPTION
12        "This field determines the number of subzones on the
13            forward link. If n=0, this parameter is set to 64 and if
14            n=1, this parameter is set to 128."
15  REFERENCE
16      "IEEE Std. 802.20-2008, Subclause 11.6.5.2 (SystemInfo Block)"
17  ::= { dot20AnSectorConfigEntry 31 }
18
19  dot20AnResourceChannelMuxMode OBJECT-TYPE
20      SYNTAX      Integer32 (0..1)
21      MAX-ACCESS  read-write
22     STATUS      current
23    DESCRIPTION
24        "This field determines the number of subzones on the
25            forward link. If n=0, this parameter is set to 64 and if
26            n=1, this parameter is set to 128."
27  REFERENCE
28      "IEEE Std. 802.20-2008, Subclause 11.6.5.3 (QuickChannelInfo Block)"
29  ::= { dot20AnSectorConfigEntry 32 }
30
31  dot20AnNumDRCHSubzones OBJECT-TYPE
32      SYNTAX      Integer32
33      MAX-ACCESS  read-write
34     STATUS      current
35    DESCRIPTION
36        "This field takes values between 0 and N_FFT/64 - 1"
37  REFERENCE
38      "IEEE Std. 802.20-2008, Subclause 11.6.5.3 (QuickChannelInfo Block)"
39  ::= { dot20AnSectorConfigEntry 33 }
40
41  dot20AnFLReservedInterlaces OBJECT-TYPE
42      SYNTAX      INTEGER {
43          zero(1),
44          zeroToOne(2),
45          zeroToTwo(3),
46          zeroToThree(4),
47          zeroToFour(5),
48          zeroToFive(6),
49          zeroToSix(7),
50          zeroToSeven(8),
51          zeroAndThree(9),
52          zeroAndSix(10),
53          zeroTwoAndFour(11),
54          zeroTwoFourAndSix(12),
55          reserved(13),
56          reserved2(14),
57          reserved3(15),
58          none(16)
59      }
60      MAX-ACCESS  read-write
61     STATUS      current
62    DESCRIPTION
63        "This attribute determines which interlaces contain
64            reserved bandwidth on the forward link."
65  REFERENCE
66      "IEEE Std. 802.20-2008, Table 193 (Interpretation of FL
67          Reserved Interlaces), Subclause 11.6.5.2"
68  ::= { dot20AnSectorConfigEntry 34 }

```

```

1   dot20AnNumFLReservedSubzones OBJECT-TYPE
2     SYNTAX          Integer32 (0..15)
3     MAX-ACCESS      read-write
4     STATUS          current
5     DESCRIPTION
6       "This field determines the number of subzones that are reserved
7         on each interlace that contains reserved bandwidth"
8     REFERENCE
9       "IEEE Std. 802.20-2008, Subclause 11.6.5.2 (SystemInfo Block)"
10      ::= { dot20AnSectorConfigEntry 35 }
11
12  dot20AnCpichHoppingMode OBJECT-TYPE
13    SYNTAX          Integer32 (0..1)
14    MAX-ACCESS      read-write
15    STATUS          current
16    DESCRIPTION
17      "This field is set to 0 for deterministic, and 1 for
18        random hopping"
19    REFERENCE
20      "IEEE Std 802.20-2008 Subclause 11.6.5.3 (QuickChannelInfo Block)"
21      ::= { dot20AnSectorConfigEntry 36 }
22
23  dot20AnNumEffectiveAntennas OBJECT-TYPE
24    SYNTAX          Integer32 (1..8)
25    MAX-ACCESS      read-write
26    STATUS          current
27    DESCRIPTION
28      "This attribute determines the effective number of
29        antennas."
30    REFERENCE
31      "IEEE Std 802.20-2008 Subclause 11.6.5.3 (QuickChannelInfo Block)"
32      ::= { dot20AnSectorConfigEntry 37 }
33
34  dot20AnNumCommonSegmentHopPorts OBJECT-TYPE
35    SYNTAX          Integer32 (0..7)
36    MAX-ACCESS      read-write
37    STATUS          current
38    DESCRIPTION
39      "This attribute determines the number of common segment
40        hop ports encoded as described in the AIS."
41    REFERENCE
42      "IEEE Std 802.20-2008 Subclause 11.6.5.3 (QuickChannelInfo Block)"
43      ::= { dot20AnSectorConfigEntry 38 }
44
45  dot20AnNumLABSegments OBJECT-TYPE
46    SYNTAX          Integer32 (0..7)
47    MAX-ACCESS      read-write
48    STATUS          current
49    DESCRIPTION
50      "This field indicates the number of LABSegments."
51    REFERENCE
52      "IEEE Std 802.20-2008 Subclause 11.6.5.3 (QuickChannelInfo Block)"
53      ::= { dot20AnSectorConfigEntry 39 }
54
55  dot20AnMinScchResourceIndex OBJECT-TYPE
56    SYNTAX          Integer32 (0..31)
57    MAX-ACCESS      read-write
58    STATUS          current
59    DESCRIPTION
60      "This parameter is in units of N_FFT/32 resources, and spans
61        from 0 to N_FFT -1"
62    REFERENCE
63      "IEEE Std 802.20-2008 Subclause 11.6.5.3 (QuickChannelInfo Block)"
64      ::= { dot20AnSectorConfigEntry 40 }
65
66  dot20AnSinglePAForXCarriers OBJECT-TYPE
67    SYNTAX          Integer32 (0..1)
68

```

```

1      MAX-ACCESS    read-write
2      STATUS        current
3      DESCRIPTION
4          "This field determines the structure of F-BPICH"
5      REFERENCE
6          "IEEE Std 802.20-2008 Subclause 11.6.5.3 (QuickChannelInfo Block)"
7      ::= { dot20AnSectorConfigEntry 41 }

8
9      dot20AnFlSdmaNumSubtrees OBJECT-TYPE
10     SYNTAX        Integer32 (1..4)
11     MAX-ACCESS    read-write
12     STATUS        current
13     DESCRIPTION
14         "This field determines the number of sub-trees on the
15         forward link."
16     REFERENCE
17         "IEEE Std 802.20-2008 Subclause 11.6.5.3 (QuickChannelInfo Block)"
18     ::= { dot20AnSectorConfigEntry 42 }

19
20     dot20AnFDPICHCodeOffsetSubtree0 OBJECT-TYPE
21     SYNTAX        Integer32 (0..3)
22     MAX-ACCESS    read-write
23     STATUS        current
24     DESCRIPTION
25         "This field is set to the corresponding value for subtree
26         0. This subtree is always present, and is therefore not
27         described in the overhead channels."
28     REFERENCE
29         "IEEE Std 802.20-2008 Subclause 9.4.1.2.3.2 (Forward Dedicated
30             Pilot Channel)"
31     ::= { dot20AnSectorConfigEntry 43 }

32
33     dot20AnFDPICHCodeOffsetSubtree1 OBJECT-TYPE
34     SYNTAX        Integer32 (0..3)
35     MAX-ACCESS    read-write
36     STATUS        current
37     DESCRIPTION
38         "This field is set to the corresponding value for subtree
39         1"
40     REFERENCE
41         "IEEE Std 802.20-2008 Subclause 9.4.1.2.3.2 (Forward Dedicated
42             Pilot Channel), and Subclause 11.6.5.4.1 (ForwardChannelGroup)"
43     ::= { dot20AnSectorConfigEntry 44 }

44
45     dot20AnFDPICHCodeOffsetSubtree2 OBJECT-TYPE
46     SYNTAX        Integer32 (0..3)
47     MAX-ACCESS    read-write
48     STATUS        current
49     DESCRIPTION
50         "This field is set to the corresponding value for subtree
51         2"
52     REFERENCE
53         "IEEE Std 802.20-2008 Subclause 9.4.1.2.3.2 (Forward Dedicated
54             Pilot Channel), and Subclause 11.6.5.4.1 (ForwardChannelGroup)"
55     ::= { dot20AnSectorConfigEntry 45 }

56
57     dot20AnFDPICHCodeOffsetSubtree3 OBJECT-TYPE
58     SYNTAX        Integer32 (0..3)
59     MAX-ACCESS    read-write
60     STATUS        current
61     DESCRIPTION
62         "This field is set to the corresponding value for subtree
63         3"
64     REFERENCE
65         "IEEE Std 802.20-2008 Subclause 9.4.1.2.3.2 (Forward Dedicated
66             Pilot Channel), and Subclause 11.6.5.4.1 (ForwardChannelGroup)"
67     ::= { dot20AnSectorConfigEntry 46 }

68

```

```

1  dot20AnNumCmnPilotTxAnt OBJECT-TYPE
2      SYNTAX          Integer32 (1..4)
3      MAX-ACCESS     read-write
4      STATUS         current
5      DESCRIPTION
6          "This attribute determines the number of common pilot
7          transmit antennas. See NumEffectiveAntennas in spec."
8      REFERENCE
9          "IEEE Std. 802.20-2008, Subclause 5.4.1.3.3.1.1 (Forward
10             Common Pilot Channel Subcarriers), and Subclause 11.6.5.3
11             (QuickChannelInfo Block)"
12      ::= { dot20AnSectorConfigEntry 47 }

13
14  dot20AnModSymbolsPerQPSKLAB OBJECT-TYPE
15      SYNTAX          Integer32 (0..4)
16      MAX-ACCESS     read-write
17      STATUS         current
18      DESCRIPTION
19          "This field determines the number of modulation symbols
20          for each block carried by the F-SCCH"
21      REFERENCE
22          "IEEE Std. 802.20-2008, Table 189 (Interpretation of
23             ModulationSymbolsPerQPSKLAB)"
24      ::= { dot20AnSectorConfigEntry 48 }

25
26  dot20AnUseDrchForFlcs OBJECT-TYPE
27      SYNTAX          Integer32 (0..1)
28      MAX-ACCESS     read-write
29      STATUS         current
30      DESCRIPTION
31          "This field determines the hopping pattern on the FLCS"
32      REFERENCE
33          "IEEE Std. 802.20-2008, Subclause 11.6.5.3 (QuickChannelInfo
34             Block)"
35      ::= { dot20AnSectorConfigEntry 49 }

36
37  dot20AnEnableExpandedQPCH OBJECT-TYPE
38      SYNTAX          TruthValue
39      MAX-ACCESS     read-write
40      STATUS         current
41      DESCRIPTION
42          "This field determines the number of packets delivered to
43          the Physical Layer by the MAC Layer"
44      REFERENCE
45          "IEEE Std. 802.20-2008, Subclause 11.6.5.3 (QuickChannelInfo
46             Block)"
47      ::= { dot20AnSectorConfigEntry 50 }

48
49  dot20AnSectorConfigRowStatus OBJECT-TYPE
50      SYNTAX          RowStatus
51      MAX-ACCESS     read-create
52      STATUS         current
53      DESCRIPTION
54          "The status column used for creating, modifying, and deleting
55          instances of the columnar objects in the SectorConfig Table. If
56          the implementer of this MIB has chosen not to implement
57          'dynamic assignment' of sectors, this attribute is not useful
58          and should return noSuchName upon SNMP request."
59      DEFVAL          { active }
60      ::= { dot20AnSectorConfigEntry 78 }

61
62  dot20AnSectorExtChanInfoTable OBJECT-TYPE
63      SYNTAX          SEQUENCE OF Dot20AnSectorExtChanInfoEntry
64      MAX-ACCESS     not-accessible
65      STATUS         current
66      DESCRIPTION
67          "This table provides one row per 802.20 interface, i.e. sector
68          for a specific ChannelBand. This table's attributes specify the

```

```

1      configuration of the corresponding sector, and can be used to
2          populate fields in extendedChannelInfo message."
3  ::= { dot20AnOverheadMessages 2 }
4
5 dot20AnSectorExtChanInfoEntry OBJECT-TYPE
6     SYNTAX          Dot20AnSectorExtChanInfoEntry
7     MAX-ACCESS     not-accessible
8     STATUS         current
9     DESCRIPTION
10        "An Entry (conceptual row) in the SectorExtChanInfo table. This
11            table is indexed by IfIndex. ifIndex: Each IEEE 802.20
12                interface (uniquely identified by SectorID) is represented by
13                    an ifEntry. The Extended Channel Info is transmitted by the
14                        Overhead Messages Protocol."
15     REFERENCE
16        "IEEE Std. 802.20-2008, Subclause 11.6.5.4 (ExtendedChannelInfo) "
17     INDEX
18        { ifIndex }
19  ::= { dot20AnSectorExtChanInfoTable 1 }
20
21 dot20AnPilotID OBJECT-TYPE
22     SYNTAX          Integer32 (0..1023)
23     MAX-ACCESS     read-write
24     STATUS         current
25     DESCRIPTION
26        "This attribute is set to the PilotID of the sector."
27     REFERENCE
28        "IEEE Std. 802.20-2008, Subclause 5.3.2.1 (PilotPN and PilotPhase) "
29  ::= { dot20AnSectorExtChanInfoEntry 1 }
30
31 dot20AnHalfDuplexModeSupported OBJECT-TYPE
32     SYNTAX          TruthValue
33     MAX-ACCESS     read-write
34     STATUS         current
35     DESCRIPTION
36        "This attribute is set to True if the access network
37            supports half duplex terminals, and is set to False
38            otherwise. If half-duplex terminals are supported, the access
39                network should assign MAC IDs and channel assignments in a
40                    manner that enables half-duplex terminal operation. A
41                        half-duplex access terminal is not required to monitor forward
42                            link transmissions on a PHY Frame where it is scheduled to make
43                                a reverse link transmission."
44     REFERENCE
45        "IEEE Std. 802.20-2008, Subclause 7.7.5.4 (MACResourceAssignment) "
46  ::= { dot20AnSectorExtChanInfoEntry 2 }
47
48 dot20AnFACKBandwidthFactor OBJECT-TYPE
49     SYNTAX          Integer32 (1..4)
50     MAX-ACCESS     read-write
51     STATUS         current
52     DESCRIPTION
53        "Forward Acknowledgement channel (FACK) bandwidth factor"
54     REFERENCE
55        "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup) "
56  ::= { dot20AnSectorExtChanInfoEntry 3 }
57
58 dot20AnSFNCellID OBJECT-TYPE
59     SYNTAX          Integer32 (0..511)
60     MAX-ACCESS     read-write
61     STATUS         current
62     DESCRIPTION
63        "This field determines the ID of the single frequency network
64            cell (for BCMCS)"
65     REFERENCE
66        "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup) ,
67            and Subclause 5.2.3.2.2 (SFNCellID and SFNPhase) "
68  ::= { dot20AnSectorExtChanInfoEntry 5 }

```

```

1  dot20AnCellNullID OBJECT-TYPE
2      SYNTAX          Integer32 (0..511)
3      MAX-ACCESS     read-write
4      STATUS         current
5      DESCRIPTION    "Cell Null Id"
6      REFERENCE     "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup) "
7      ::= { dot20AnSectorExtChanInfoEntry 6 }
8
9
10
11
12  dot20AnMaxNumSharedLABs OBJECT-TYPE
13      SYNTAX          Integer32 (1..4)
14      MAX-ACCESS     read-write
15      STATUS         current
16      DESCRIPTION    "This field determines the maximum number of shared LABs
17          that are transmitted by this sector"
18      REFERENCE     "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup) "
19      ::= { dot20AnSectorExtChanInfoEntry 7 }
20
21
22
23  dot20AnMaxNumLABs OBJECT-TYPE
24      SYNTAX          Integer32 (0..63)
25      MAX-ACCESS     read-write
26      STATUS         current
27      DESCRIPTION    "This field is set to the Maximum number of LABs that can
28          be transmitted by this sector"
29      REFERENCE     "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup) "
30      ::= { dot20AnSectorExtChanInfoEntry 9 }
31
32
33
34  dot20AnMax16QamScchBlocks OBJECT-TYPE
35      SYNTAX          Integer32 (0..15)
36      MAX-ACCESS     read-write
37      STATUS         current
38      DESCRIPTION    "This field is set to the maximum number of 16-QAM blocks
39          that may be transmitted by the access network"
40      REFERENCE     "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup) "
41      ::= { dot20AnSectorExtChanInfoEntry 10 }
42
43
44
45  dot20AnPdCabResSharingEnabled OBJECT-TYPE
46      SYNTAX          TruthValue
47      MAX-ACCESS     read-write
48      STATUS         current
49      DESCRIPTION    "This field determines if resource sharing using PDCABs is
50          enabled"
51      REFERENCE     "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup) "
52      ::= { dot20AnSectorExtChanInfoEntry 11 }
53
54
55
56  dot20AnNumAckableLABs OBJECT-TYPE
57      SYNTAX          Integer32 (0..7)
58      MAX-ACCESS     read-write
59      STATUS         current
60      DESCRIPTION    "This field is set to the number of LABs on SCCH that the
61          access terminal is to acknowledge"
62      REFERENCE     "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup) "
63      ::= { dot20AnSectorExtChanInfoEntry 12 }
64
65
66
67  dot20An16QamScchT2PRatio OBJECT-TYPE
68      SYNTAX          INTEGER {

```

```

1      minusSevenDb(1),
2      minusFourDb(2),
3      zeroDb(3),
4      minusTenDb(4)
5  }
6 MAX-ACCESS    read-write
7 STATUS        current
8 DESCRIPTION   "16 Qam Scch T2P Ratio"
9 REFERENCE    "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup)"
10 ::= { dot20AnSectorExtChanInfoEntry 13 }

13
14 dot20AnEffectiveTransmitPower OBJECT-TYPE
15   SYNTAX      Integer32 (0..63)
16   MAX-ACCESS  read-write
17   STATUS      current
18   DESCRIPTION
19     "This attribute is set to the effective transmit power of the
20     sector in units of dBm"
21   REFERENCE
22     "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup)"
23     ::= { dot20AnSectorExtChanInfoEntry 14 }

24
25 dot20AnAssignmentAckHARQTx OBJECT-TYPE
26   SYNTAX      Integer32 (0..7)
27   MAX-ACCESS  read-write
28   STATUS      current
29   DESCRIPTION
30     "The value 0 indicates that no ACK is sent in response to an
31     assignment. The rules for interpreting other values of this
32     field are provided in the MAC Layer. The value 7 is reserved"
33   REFERENCE
34     "IEEE Std. 802.20-2008, Table 196, and Subclause 11.6.5.4.2
35     (ReverseChannelGroup)"
36     ::= { dot20AnSectorExtChanInfoEntry 15 }

37
38 dot20AnCQIPilotTransmitPower OBJECT-TYPE
39   SYNTAX      Integer32 (0..15)
40   MAX-ACCESS  read-write
41   STATUS      current
42   DESCRIPTION
43     "The field determines the power spectral density of the F-CQIPICH
44     relative to the reference transmit power density defined by the
45 Physical
46     Layer. This parameter may take the value (-4 + n*0.5) dB."
47   REFERENCE
48     "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup)"
49     ::= { dot20AnSectorExtChanInfoEntry 16 }

50
51 dot20AnCommonPilotTransmitPower OBJECT-TYPE
52   SYNTAX      Integer32 (0..15)
53   MAX-ACCESS  read-write
54   STATUS      current
55   DESCRIPTION
56     "The attribute's value noted n determines the power
57     spectral density of the F-CPICH during the FL PHY frame
58     relative to the F-ACQCH. The pilot power density is equal
59     to (-4 + n*0.5) dB."
60   REFERENCE
61     "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup)"
62     ::= { dot20AnSectorExtChanInfoEntry 17 }

63
64 dot20AnCDMAInterlacesBitmap OBJECT-TYPE
65   SYNTAX      Integer32 (0..255)
66   MAX-ACCESS  read-write
67   STATUS      current
68   DESCRIPTION

```

```

1      "The j'th bit of this field is set to 1 if interlace i
2      contains a Reverse Link CDMA Segment. Here j is assumed to range
3      from 0 through 7, and an interlace i is the set of PHY Frames
4      that satisfy PHY Frame Index mod 8 = i"
5      REFERENCE
6          "IEEE Std. 802.20-2008, Table 196, and Subclause 11.6.5.4.2
7          (ReverseChannelGroup)"
8      ::= { dot20AnSectorExtChanInfoEntry 18 }

9
10     dot20AnNumOdcchReports OBJECT-TYPE
11         SYNTAX      Integer32 (0..31)
12         MAX-ACCESS   read-write
13         STATUS       current
14         DESCRIPTION
15             "Num ODCCH reports, specified in units of 16"
16         REFERENCE
17             "IEEE Std. 802.20-2008, Table 196, and Subclause 11.6.5.4.2
18             (ReverseChannelGroup)"
19         ::= { dot20AnSectorExtChanInfoEntry 27 }

20
21     dot20AnNumRLCdmaSubsegments OBJECT-TYPE
22         SYNTAX      Integer32 (1..16)
23         MAX-ACCESS   read-write
24         STATUS       current
25         DESCRIPTION
26             "This field determines the number of RLCdmaSubsegments on
27             this sector."
28         REFERENCE
29             "IEEE Std. 802.20-2008, Table 196, and Subclause 11.6.5.4.2
30             (ReverseChannelGroup)"
31         ::= { dot20AnSectorExtChanInfoEntry 28 }

32
33     dot20AnRackBandwidthFactor OBJECT-TYPE
34         SYNTAX      Integer32 (0..3)
35         MAX-ACCESS   read-write
36         STATUS       current
37         DESCRIPTION
38             "This parameter is set to 2^n, where n is the value of
39             the two bit field."
40         REFERENCE
41             "IEEE Std. 802.20-2008, Table 196, and Subclause 11.6.5.4.2
42             (ReverseChannelGroup)"
43         ::= { dot20AnSectorExtChanInfoEntry 30 }

44
45     dot20AnRlNumSdmaDimensions OBJECT-TYPE
46         SYNTAX      Integer32 (1..4)
47         MAX-ACCESS   read-write
48         STATUS       current
49         DESCRIPTION
50             "This field determines the number of spatial dimensions on
51             the reverse link."
52         REFERENCE
53             "IEEE Std. 802.20-2008, Table 196 (ReverseChannel Group), and
54             Subclause 11.6.5.4.2 (ReverseChannelGroup)"
55         ::= { dot20AnSectorExtChanInfoEntry 31 }

56
57     dot20AnRlDpichCodeOffsetSubtree0 OBJECT-TYPE
58         SYNTAX      Integer32 (0..3)
59         MAX-ACCESS   read-write
60         STATUS       current
61         DESCRIPTION
62             "This field is set to the code offset for tree 0"
63         REFERENCE
64             "IEEE Std. 802.20-2008, Table 195 (ForwardChannel Group), and
65             Subclause 11.6.5.4.1 (ForwardChannelGroup)"
66         ::= { dot20AnSectorExtChanInfoEntry 32 }

67
68     dot20AnRlDpichCodeOffsetSubtree1 OBJECT-TYPE

```

```

1      SYNTAX      Integer32 (0..3)
2      MAX-ACCESS  read-write
3      STATUS      current
4      DESCRIPTION
5          "This field is set to the code offset for tree 1"
6      REFERENCE
7          "IEEE Std. 802.20-2008, Table 195 (ForwardChannel Group), and
8              Subclause 11.6.5.4.1 (ForwardChannelGroup)"
9      ::= { dot20AnSectorExtChanInfoEntry 33 }

10     dot20AnRlDpitchCodeOffsetSubtree2 OBJECT-TYPE
11         SYNTAX      Integer32 (0..3)
12         MAX-ACCESS  read-write
13         STATUS      current
14         DESCRIPTION
15             "This field is set to the code offset for tree 2"
16         REFERENCE
17             "IEEE Std. 802.20-2008, Table 195 (ForwardChannel Group), and
18                 Subclause 11.6.5.4.1 (ForwardChannelGroup)"
19             ::= { dot20AnSectorExtChanInfoEntry 34 }

20     dot20AnRlDpitchCodeOffsetSubtree3 OBJECT-TYPE
21         SYNTAX      Integer32 (0..3)
22         MAX-ACCESS  read-write
23         STATUS      current
24         DESCRIPTION
25             "This field is set to the code offset for tree 3"
26         REFERENCE
27             "IEEE Std. 802.20-2008, Table 195 (ForwardChannel Group), and
28                 Subclause 11.6.5.4.1 (ForwardChannelGroup)"
29             ::= { dot20AnSectorExtChanInfoEntry 35 }

30     dot20AnRlSubzoneSize OBJECT-TYPE
31         SYNTAX      Integer32 (0..1)
32         MAX-ACCESS  read-write
33         STATUS      current
34         DESCRIPTION
35             "This field determines the size of subzones on the reverse
36                 link. If n=0, this parameter takes the value 64 and if
37                 n=1, this parameter takes the value 128"
38         REFERENCE
39             "IEEE Std. 802.20-2008, Table 196 (ReverseChannel Group), and
40                 Subclause 11.6.5.4.2 (ReverseChannelGroup)"
41             ::= { dot20AnSectorExtChanInfoEntry 36 }

42     dot20AnSilenceIntervalPeriod OBJECT-TYPE
43         SYNTAX      Integer32 (0..15)
44         MAX-ACCESS  read-write
45         STATUS      current
46         DESCRIPTION
47             "This field determines the period in units of super frames
48                 when the silence interval repeats. The SilenceInterval takes
49                 a value of  $2^n$  super frames, where n is the value of this four
50                 bit field"
51         REFERENCE
52             "IEEE Std. 802.20-2008, Table 196 (ReverseChannel Group), and
53                 Subclause 11.6.5.4.2 (ReverseChannelGroup)"
54             ::= { dot20AnSectorExtChanInfoEntry 38 }

55     dot20AnSilenceIntervalDuration OBJECT-TYPE
56         SYNTAX      Integer32 (1..8)
57         MAX-ACCESS  read-write
58         STATUS      current
59         DESCRIPTION
60             "This field determines the duration silence interval in
61                 units of 8 OFDM symbols"
62         REFERENCE
63             "IEEE Std. 802.20-2008, Table 196 (ReverseChannel Group), and
64

```

```

1      Subclause 11.6.5.4.2 (ReverseChannelGroup) "
2      ::= { dot20AnSectorExtChanInfoEntry 39 }
3
4      dot20AnNumSilenceIntervalSubzone OBJECT-TYPE
5          SYNTAX      Integer32 (0..15)
6          MAX-ACCESS   read-write
7          STATUS       current
8          DESCRIPTION
9              "This field specifies the set of subzones that are blanked
10             during the silence interval."
11          REFERENCE
12              "IEEE Std. 802.20-2008, Table 196 (ReverseChannel Group), and
13                  Subclause 11.6.5.4.2 (ReverseChannelGroup)"
14          ::= { dot20AnSectorExtChanInfoEntry 40 }
15
16      dot20AnAckInterferenceOffset OBJECT-TYPE
17          SYNTAX      Integer32 (0..15)
18          MAX-ACCESS   read-write
19          STATUS       current
20          DESCRIPTION
21              "This field may take values in units of dB"
22          REFERENCE
23              "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup) "
24          ::= { dot20AnSectorExtChanInfoEntry 42 }
25
26      dot20AnMacIdRange OBJECT-TYPE
27          SYNTAX      INTEGER {
28              upTo63(1),
29              upTo127(2),
30              upTo255(3),
31              upTo511(4),
32              upTo1023(5),
33              upTo2047(6),
34              reserved(7),
35              upTo31(8)
36          }
37          MAX-ACCESS   read-write
38          STATUS       current
39          DESCRIPTION
40              "This field is set to indicate the range of assigned
41                  MACID values in the sector. For example, a MACIDRange of 63
42                  indicates that the sector has not assigned MACID values 64 and
43                  above"
44          REFERENCE
45              "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup) "
46          ::= { dot20AnSectorExtChanInfoEntry 43 }
47
48      dot20AnFlPcReportInterval OBJECT-TYPE
49          SYNTAX      Integer32 (0..7)
50          MAX-ACCESS   read-write
51          STATUS       current
52          DESCRIPTION
53              "This field determines the periodicity at which power
54                  control commands are sent to the access terminal. This
55                  parameter may take the value  $2^n$ , where n is the value of the
56                  three bit field."
57          REFERENCE
58              "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup) "
59          ::= { dot20AnSectorExtChanInfoEntry 44 }
60
61      dot20AnFlPqiReportInterval OBJECT-TYPE
62          SYNTAX      Integer32 (0..3)
63          MAX-ACCESS   read-write
64          STATUS       current
65          DESCRIPTION
66              "This field determines the periodicity at which PQI
67                  reports commands are sent by this sector. This parameter
68                  takes the value  $16 \cdot 2^n$ , where n is the value of the three bit

```

```

1      field"
2      REFERENCE
3          "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup) "
4          ::= { dot20AnSectorExtChanInfoEntry 45 }
5
6      dot20AnFlIoTReportInterval OBJECT-TYPE
7          SYNTAX      Integer32 (0..3)
8          MAX-ACCESS  read-write
9          STATUS      current
10         DESCRIPTION
11             "This field determines the periodicity at which IoT values
12             are sent to the access terminal. This parameter may take the
13             value  $2^n$ , where n is the value of the three bit field"
14         REFERENCE
15             "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup) "
16             ::= { dot20AnSectorExtChanInfoEntry 46 }
17
18      dot20AnFastIoTEnabled OBJECT-TYPE
19          SYNTAX      TruthValue
20          MAX-ACCESS  read-write
21          STATUS      current
22         DESCRIPTION
23             "This field determines if the access terminal is required
24             to read Fast IoT from this sector"
25         REFERENCE
26             "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup) "
27             ::= { dot20AnSectorExtChanInfoEntry 47 }
28
29      dot20AnFastOSIEnabled OBJECT-TYPE
30          SYNTAX      TruthValue
31          MAX-ACCESS  read-write
32          STATUS      current
33         DESCRIPTION
34             "This field determines if the access terminal is required
35             to read OSI from this sector"
36         REFERENCE
37             "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup) "
38             ::= { dot20AnSectorExtChanInfoEntry 48 }
39
40      dot20AnRabEnabled OBJECT-TYPE
41          SYNTAX      TruthValue
42          MAX-ACCESS  read-write
43          STATUS      current
44         DESCRIPTION
45             "This field is set to 1 if this sector transmits RAB, and
46             is set to 1 otherwise"
47         REFERENCE
48             "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup) "
49             ::= { dot20AnSectorExtChanInfoEntry 49 }
50
51      dot20AnOsiResponseMode OBJECT-TYPE
52          SYNTAX      INTEGER {
53              stochastic(1),
54              deterministic(2)
55          }
56          MAX-ACCESS  read-write
57          STATUS      current
58         DESCRIPTION
59             "This field determines the type of response to OSI modes"
60         REFERENCE
61             "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup) "
62             ::= { dot20AnSectorExtChanInfoEntry 50 }
63
64      dot20AnSlowInterferenceOffset OBJECT-TYPE
65          SYNTAX      Integer32 (0..15)
66          MAX-ACCESS  read-write
67          STATUS      current
68         DESCRIPTION

```

```

1      "This field is set in units of dB"
2      REFERENCE
3          "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup) "
4          ::= { dot20AnSectorExtChanInfoEntry 51 }
5
6      dot20AnCtrlAccessOffset OBJECT-TYPE
7          SYNTAX      Integer32 (0..3)
8          MAX-ACCESS  read-write
9          STATUS      current
10         DESCRIPTION
11             "This field determines the initial gain of the R-CQICH over the
12               R-ACH. The value of this parameter is -11+n dB, where n
13               is the value of this field"
14         REFERENCE
15             "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup) "
16             ::= { dot20AnSectorExtChanInfoEntry 52 }
17
18      dot20AnRlAuxPilotPower OBJECT-TYPE
19          SYNTAX      Integer32 (0..7)
20          MAX-ACCESS  read-write
21          STATUS      current
22         DESCRIPTION
23             "This field is determine the offset of R-AuxPICH with
24               respect to R-PICH. This parameter may take the value 4+n."
25         REFERENCE
26             "IEEE Std. 802.20-2008, Subclause 8.8.9.2.3 (PowerParameters
27               Attribute) "
28             ::= { dot20AnSectorExtChanInfoEntry 53 }
29
30      dot20AnReqQoS PowerBoost OBJECT-TYPE
31          SYNTAX      Integer32 (0..3)
32          MAX-ACCESS  read-write
33          STATUS      current
34         DESCRIPTION
35             "This field is in units of dB"
36         REFERENCE
37             "IEEE Std. 802.20-2008, Subclause 8.7.7.2.1 (PowerControl
38               Attribute) "
39             ::= { dot20AnSectorExtChanInfoEntry 54 }
40
41      dot20AnErasureTargetCtoI0 OBJECT-TYPE
42          SYNTAX      Integer32 (0..15)
43          MAX-ACCESS  read-write
44          STATUS      current
45         DESCRIPTION
46             "This attribute's value noted n determines the transmit
47               power of erasure sequences for different assignment sizes. The
48               transmit power is equal to n-6 dB."
49         REFERENCE
50             "IEEE Std. 802.20-2008, Subclause 8.8.9.2.3 (PowerParameters
51               Attribute) "
52             ::= { dot20AnSectorExtChanInfoEntry 55 }
53
54      dot20AnErasureTargetCtoI1 OBJECT-TYPE
55          SYNTAX      Integer32 (0..15)
56          MAX-ACCESS  read-write
57          STATUS      current
58         DESCRIPTION
59             "This attribute's value noted n determines the transmit
60               power of erasure sequences for different assignment sizes. The
61               transmit power is equal to n-6 dB."
62         REFERENCE
63             "IEEE Std. 802.20-2008, Subclause 8.8.9.2.3 (PowerParameters
64               Attribute) "
65             ::= { dot20AnSectorExtChanInfoEntry 56 }
66
67      dot20AnErasureTargetCtoI2 OBJECT-TYPE
68          SYNTAX      Integer32 (0..15)

```

```

1      MAX-ACCESS    read-write
2      STATUS        current
3      DESCRIPTION
4          "This attribute's value noted n determines the transmit
5              power of erasure sequences for different assignment sizes. The
6              transmit power is equal to n-6 dB."
7      REFERENCE
8          "IEEE Std. 802.20-2008, Subclause 8.8.9.2.3 (PowerParameters
9              Attribute)"
10         ::= { dot20AnSectorExtChanInfoEntry 57 }

11
12 dot20AnErasureTargetCtoI3 OBJECT-TYPE
13     SYNTAX        Integer32 (0..15)
14     MAX-ACCESS    read-write
15     STATUS        current
16     DESCRIPTION
17         "This attribute's value noted n determines the transmit
18             power of erasure sequences for different assignment sizes. The
19             transmit power is equal to n-6 dB."
20     REFERENCE
21         "IEEE Std. 802.20-2008, Subclause 8.8.9.2.3 (PowerParameters
22             Attribute)"
23         ::= { dot20AnSectorExtChanInfoEntry 58 }

24
25 dot20AnAccessCycleDuration OBJECT-TYPE
26     SYNTAX        Integer32 (0..1)
27     MAX-ACCESS    read-write
28     STATUS        current
29     DESCRIPTION
30         "This attribute determines the duration of the access
31             cycle in units of Access Opportunities (as defined by the
32             Physical Layer.)"
33     REFERENCE
34         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
35             Group)"
36         ::= { dot20AnSectorExtChanInfoEntry 59 }

37
38 dot20AnMaxProbesPerSequence OBJECT-TYPE
39     SYNTAX        Integer32 (0..7)
40     MAX-ACCESS    read-write
41     STATUS        current
42     DESCRIPTION
43         "This attribute determines the maximum number of probe
44             sequences that can be part of one access sequence. The
45             number of probes is n+2"
46     REFERENCE
47         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
48             Group)"
49         ::= { dot20AnSectorExtChanInfoEntry 60 }

50
51 dot20AnProbeRampUpStepSize OBJECT-TYPE
52     SYNTAX        Integer32 (0..3)
53     MAX-ACCESS    read-write
54     STATUS        current
55     DESCRIPTION
56         "This attribute's value noted n determines the power ramp
57             up used for probes within a probe sequence and indicates
58             a ramp up value of 2*(1+n) dB."
59     REFERENCE
60         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
61             Group)"
62         ::= { dot20AnSectorExtChanInfoEntry 61 }

63
64 dot20AnPilotThreshold1 OBJECT-TYPE
65     SYNTAX        Integer32 (0..7)
66     MAX-ACCESS    read-write
67     STATUS        current
68     DESCRIPTION

```

```

1      "This attribute's value noted n determines
2          PilotThreshold1 used by the Access Channel MAC Protocol. The
3          value is -10 + 2n dB."
4  REFERENCE
5      "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
6          Group)"
7  ::= { dot20AnSectorExtChanInfoEntry 62 }

8
9  dot20AnPilotThreshold2 OBJECT-TYPE
10     SYNTAX          Integer32 (0..7)
11     MAX-ACCESS      read-write
12     STATUS          current
13  DESCRIPTION
14      "This attribute's value noted n determines
15          PilotThreshold2 used by the Access Channel MAC Protocol. The
16          value is -2n dB."
17  REFERENCE
18      "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
19          Group)"
20  ::= { dot20AnSectorExtChanInfoEntry 63 }

21
22  dot20AnOpenLoopAdjust OBJECT-TYPE
23     SYNTAX          Integer32 (0..255)
24     MAX-ACCESS      read-write
25     STATUS          current
26  DESCRIPTION
27      "This attribute's value noted n determines the nominal
28          power to be used by access terminal in the open loop power
29          estimate. The value of nominal power is 70+n dB."
30  REFERENCE
31      "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
32          Group)"
33  ::= { dot20AnSectorExtChanInfoEntry 64 }

34
35  dot20AnAccessRetryPersistance0 OBJECT-TYPE
36     SYNTAX          Integer32 (0..7)
37     MAX-ACCESS      read-write
38     STATUS          current
39  DESCRIPTION
40      "This attribute determines the persistence probability for
41          determining access sequence backoff. If this attribute's value
42          is set to n, the access terminal will use  $2^{(-n/2)}$  as the
43          retry persistence. For n=7, the access terminal will set
44          AccessRetryPersistence to 0."
45  REFERENCE
46      "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
47          Group)"
48  ::= { dot20AnSectorExtChanInfoEntry 65 }

49
50  dot20AnAccessRetryPersistance1 OBJECT-TYPE
51     SYNTAX          Integer32 (0..7)
52     MAX-ACCESS      read-write
53     STATUS          current
54  DESCRIPTION
55      "This attribute determines the persistence probability for
56          determining access sequence backoff. If this attribute's value
57          is set to n, the access terminal will use  $2^{(-n/2)}$  as the
58          retry persistence. For n=7, the access terminal will set
59          AccessRetryPersistence to 0."
60  REFERENCE
61      "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
62          Group)"
63  ::= { dot20AnSectorExtChanInfoEntry 66 }

64
65  dot20AnAccessRetryPersistance2 OBJECT-TYPE
66     SYNTAX          Integer32 (0..7)
67     MAX-ACCESS      read-write
68     STATUS          current

```

```

1      DESCRIPTION
2          "This attribute determines the persistence probability for
3              determining access sequence backoff. If this attribute's value
4                  is set to n, the access terminal will use  $2^{(-n/2)}$  as the
5                      retry persistence. For n=7, the access terminal will set
6                          AccessRetryPersistence to 0."
7      REFERENCE
8          "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
9              Group)"
10         ::= { dot20AnSectorExtChanInfoEntry 67 }

11
12 dot20AnAccessRetryPersistence3 OBJECT-TYPE
13     SYNTAX          Integer32 (0..7)
14     MAX-ACCESS      read-write
15     STATUS          current
16     DESCRIPTION
17         "This attribute determines the persistence probability for
18             determining access sequence backoff. If this attribute's value
19                 is set to n, the access terminal will use  $2^{(-n/2)}$  as the
20                     retry persistence. For n=7, the access terminal sets
21                         AccessRetryPersistence to 0."
22     REFERENCE
23         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
24             Group)"
25         ::= { dot20AnSectorExtChanInfoEntry 68 }

26
27 dot20AnAccessRetryPersistence4 OBJECT-TYPE
28     SYNTAX          Integer32 (0..7)
29     MAX-ACCESS      read-write
30     STATUS          current
31     DESCRIPTION
32         "This attribute determines the persistence probability for
33             determining access sequence backoff. If this attribute's value
34                 is set to n, the access terminal will use  $2^{(-n/2)}$  as the
35                     retry persistence. For n=7, the access terminal sets
36                         AccessRetryPersistence to 0."
37     REFERENCE
38         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
39             Group)"
40         ::= { dot20AnSectorExtChanInfoEntry 69 }

41
42 dot20AnAccessRetryPersistence5 OBJECT-TYPE
43     SYNTAX          Integer32 (0..7)
44     MAX-ACCESS      read-write
45     STATUS          current
46     DESCRIPTION
47         "This attribute determines the persistence probability for
48             determining access sequence backoff. If this attribute's value
49                 is set to n, the access terminal will use  $2^{(-n/2)}$  as the
50                     retry persistence. For n=7, the access terminal sets
51                         AccessRetryPersistence to 0."
52     REFERENCE
53         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
54             Group)"
55         ::= { dot20AnSectorExtChanInfoEntry 70 }

56
57 dot20AnAccessRetryPersistence6 OBJECT-TYPE
58     SYNTAX          Integer32 (0..7)
59     MAX-ACCESS      read-write
60     STATUS          current
61     DESCRIPTION
62         "This attribute determines the persistence probability for
63             determining access sequence backoff. If this attribute's value
64                 is set to n, the access terminal will use  $2^{(-n/2)}$  as the
65                     retry persistence. For n=7, the access terminal sets
66                         AccessRetryPersistence to 0."
67     REFERENCE
68         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters

```

```

1           Group)"
2   ::= { dot20AnSectorExtChanInfoEntry 71 }
3
4 dot20AnAccessRetryPersistence7 OBJECT-TYPE
5   SYNTAX      Integer32 (0..7)
6   MAX-ACCESS  read-write
7   STATUS      current
8   DESCRIPTION
9     "This attribute determines the persistence probability for
10    determining access sequence backoff. If this attribute's value
11    is set to n, the access terminal will use  $2^{(-n/2)}$  as the
12    retry persistence. For n=7, the access terminal sets
13    AccessRetryPersistence to 0."
14   REFERENCE
15     "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
16     Group)"
17   ::= { dot20AnSectorExtChanInfoEntry 72 }
18
19 dot20AnSectorExtChanRowStatus OBJECT-TYPE
20   SYNTAX      RowStatus
21   MAX-ACCESS  read-create
22   STATUS      current
23   DESCRIPTION
24     "The status column used for creating, modifying, and deleting
25     instances of the columnar objects in the SectorExtChanInfo
26     Table. If the implementer of this MIB has chosen not to
27     implement 'dynamic assignment' of sectors, this attribute is
28     not useful and should return noSuchName upon SNMP request."
29   DEFVAL      { active }
30   ::= { dot20AnSectorExtChanInfoEntry 73 }
31
32 dot20AnSectorParamTable OBJECT-TYPE
33   SYNTAX      SEQUENCE OF Dot20AnSectorParamEntry
34   MAX-ACCESS  not-accessible
35   STATUS      current
36   DESCRIPTION
37     "This table provides one row per 802.20 carrier of a sector for
38     a specific ChannelBand. This table's attributes specify the
39     configuration of the corresponding sector and can be used to
40     populate fields in the SectorParameters message."
41   ::= { dot20AnOverheadMessages 3 }
42
43 dot20AnSectorParamEntry OBJECT-TYPE
44   SYNTAX      Dot20AnSectorParamEntry
45   MAX-ACCESS  not-accessible
46   STATUS      current
47   DESCRIPTION
48     "An Entry (conceptual row) in the SectorParam table. This table
49     is indexed by ifIndex. ifIndex: Each IEEE 802.20 interface
50     (uniquely identified by SectorID) is represented by an
51     ifEntry."
52   REFERENCE
53     "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
54   INDEX
55     { ifIndex }
56   ::= { dot20AnSectorParamTable 1 }
57
58 dot20AnMobileCountryCode OBJECT-TYPE
59   SYNTAX      Integer32 (0..4096)
60   MAX-ACCESS  read-write
61   STATUS      current
62   DESCRIPTION
63     "This attribute is set to the three digit Mobile Country
64     Code associated with this sector (as specified in ITU-T
65     Recommendation E.212, Identification Plan for Land Mobile
66     Stations)."
67   REFERENCE
68     "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"

```

```

1      ::= { dot20AnSectorParamEntry 1 }
2
3 dot20AnMobileNetworkCode OBJECT-TYPE
4   SYNTAX          Integer32 (0..4096)
5   MAX-ACCESS     read-write
6   STATUS         current
7   DESCRIPTION
8     "This field is set three-digit BCD (binary coded
9      decimal) encoded representation of the Mobile Network Code
10     that has been assigned to the operator."
11   REFERENCE
12     "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
13   ::= { dot20AnSectorParamEntry 2 }
14
15 dot20AnSectorID OBJECT-TYPE
16   SYNTAX          OCTET STRING (SIZE(16))
17   MAX-ACCESS     read-write
18   STATUS         current
19   DESCRIPTION
20     "Sector Address Identifier. The access network sets the
21     value of the SectorID according to the rules specified in IEEE
22     802.20 AIS. The access terminal does not assume anything about
23     the format of the SectorID other than that it uniquely
24     identifies the sector."
25   REFERENCE
26     "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
27   ::= { dot20AnSectorParamEntry 3 }
28
29 dot20AnChannelBandRef OBJECT-TYPE
30   SYNTAX          Integer32
31   MAX-ACCESS     read-write
32   STATUS         current
33   DESCRIPTION
34     "The reference to the ChannelBand defined in ChannelBands table
35     using this value as index (dot20AnChannelBandIndex)"
36   REFERENCE
37     "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters,
38       first instance), and Subclause 15.2.1 (ChannelBand Record)"
39   ::= { dot20AnSectorParamEntry 4 }
40
41 dot20AnLatitude OBJECT-TYPE
42   SYNTAX          Integer32 (-1296000..1296000)
43   MAX-ACCESS     read-write
44   STATUS         current
45   DESCRIPTION
46     "The latitude of the sector. This attribute is set to
47     this sector's latitude in units of 0.25 second, expressed as a
48     two's complement signed number with positive numbers signifying
49     North latitudes. This attribute is set to a value in the
50     range 1296000 to 1296000 inclusive (corresponding to a range of
51     -90 to +90)."
52   REFERENCE
53     "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
54   ::= { dot20AnSectorParamEntry 5 }
55
56 dot20AnLongitude OBJECT-TYPE
57   SYNTAX          Integer32 (-2592000..2592000)
58   MAX-ACCESS     read-write
59   STATUS         current
60   DESCRIPTION
61     "The longitude of the sector. This attribute is set to
62     this sector's longitude in units of 0.25 second, expressed as a
63     two's complement signed number with positive numbers signifying
64     East longitude. This attribute is set to a value in the
65     range 2592000 to 2592000 inclusive (corresponding to a range of
66     -180 degrees to +180 degrees)."
67   REFERENCE
68     "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"

```

```

1      ::= { dot20AnSectorParamEntry 6 }
2
3 dot20AnLeapSeconds OBJECT-TYPE
4   SYNTAX      Integer32 (0..255)
5   MAX-ACCESS  read-write
6   STATUS      current
7   DESCRIPTION
8     "The number of leap seconds that have occurred since the start
9     of system time."
10  REFERENCE
11    "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
12  ::= { dot20AnSectorParamEntry 7 }
13
14 dot20AnLocalTimeOffset OBJECT-TYPE
15   SYNTAX      Integer32 (0..2047)
16   MAX-ACCESS  read-write
17   STATUS      current
18   DESCRIPTION
19     "This attribute is set to the offset of the local time
20     from System Time. This value will be in units of minutes,
21     expressed as a two's complement signed number."
22  REFERENCE
23    "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
24  ::= { dot20AnSectorParamEntry 8 }
25
26 dot20AnPrimaryRegZoneCode OBJECT-TYPE
27   SYNTAX      Integer32
28   MAX-ACCESS  read-write
29   STATUS      current
30   DESCRIPTION
31     "The PrimaryRegistrationZoneCode for this sector"
32  REFERENCE
33    "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
34  ::= { dot20AnSectorParamEntry 9 }
35
36 dot20AnAnGroupId OBJECT-TYPE
37   SYNTAX      Integer32 (0..7)
38   MAX-ACCESS  read-write
39   STATUS      current
40   DESCRIPTION
41     "Sector's AN Group Id"
42  REFERENCE
43    "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
44  ::= { dot20AnSectorParamEntry 10 }
45
46 dot20AnPilotGroupId OBJECT-TYPE
47   SYNTAX      Integer32 (0..7)
48   MAX-ACCESS  read-write
49   STATUS      current
50   DESCRIPTION
51     "Sector's Pilot Group Id"
52  REFERENCE
53    "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
54  ::= { dot20AnSectorParamEntry 11 }
55
56 dot20AnSynchronousGroupId OBJECT-TYPE
57   SYNTAX      Integer32 (0..7)
58   MAX-ACCESS  read-write
59   STATUS      current
60   DESCRIPTION
61     "Sector's Synchronous Group Id"
62  REFERENCE
63    "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
64  ::= { dot20AnSectorParamEntry 12 }
65
66 dot20AnCellGroupId OBJECT-TYPE
67   SYNTAX      Integer32 (0..7)
68   MAX-ACCESS  read-write

```

```

1      STATUS          current
2      DESCRIPTION      "Sector's Cell Group Id"
3      REFERENCE        "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
4      ::= { dot20AnSectorParamEntry 13 }
5
6      dot20AnSectorParamRowStatus OBJECT-TYPE
7          SYNTAX          RowStatus
8          MAX-ACCESS      read-create
9          STATUS          current
10         DESCRIPTION      "The status column used for creating, modifying, and deleting
11             instances of the columnar objects in the SectorParam Table. If
12             the implementer of this MIB has chosen not to implement
13             'dynamic assignment' of sectors, this attribute is not useful
14             and should return noSuchName upon SNMP request."
15         DEFVAL           { active }
16         ::= { dot20AnSectorParamEntry 14 }
17
18      dot20AnSectorGrpResSetsTable OBJECT-TYPE
19          SYNTAX          SEQUENCE OF Dot20AnSectorGrpResSetsEntry
20          MAX-ACCESS      not-accessible
21          STATUS          current
22         DESCRIPTION      "This table provides one row per 802.20 sector and Forward
23             Channel group resource set (see ExtendedChannelInfo message in
24             AIS)."
25         ::= { dot20AnOverheadMessages 4 }
26
27      dot20AnSectorGrpResSetsEntry OBJECT-TYPE
28          SYNTAX          Dot20AnSectorGrpResSetsEntry
29          MAX-ACCESS      not-accessible
30          STATUS          current
31         DESCRIPTION      "An Entry (conceptual row) in the
32             AnSectorFwdChanGrpResourceSets table. This table is indexed
33             by ifIndex and resourceSetId ifIndex: Each IEEE 802.20
34             interface (uniquely identified by SectorID) is represented by
35             an ifEntry."
36         REFERENCE        "IEEE Std. 802.20-2008, Subclause 11.7.5.3
37             (SupplementalConfigAssignment)"
38         INDEX            { ifIndex, dot20AnResourceSetId }
39         ::= { dot20AnSectorGrpResSetsTable 1 }
40
41      dot20AnResourceSetId OBJECT-TYPE
42          SYNTAX          Integer32 (0..7)
43          MAX-ACCESS      not-accessible
44          STATUS          current
45         DESCRIPTION      "Index of the forward channel group resource set for a
46             particular sector."
47         ::= { dot20AnSectorGrpResSetsEntry 1 }
48
49      dot20AnResourceSetBitmap OBJECT-TYPE
50          SYNTAX          Integer32 (0..255)
51          MAX-ACCESS      read-write
52          STATUS          current
53         DESCRIPTION      "The j'th bit of this field is set to 1 if a frame with
54             frame index mod InterlaceDepth = j contains a subzone that
55             corresponds to this resource set. If the InterlaceDepth = 6,
56             the last two bits of this field is set to 0"
57         REFERENCE        "IEEE Std. 802.20-2008, Subclause 11.7.5.3
58             (SupplementalConfigAssignment)"
59
60
61
62
63
64
65
66
67
68

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```

1      ::= { dot20AnSectorGrpResSetsEntry 2 }
2
3 dot20AnBRCHSubzoneCyclingEnabled OBJECT-TYPE
4   SYNTAX          TruthValue
5   MAX-ACCESS     read-write
6   STATUS         current
7   DESCRIPTION
8     "This field is set to 1 if BRCHSubzoneCycling is enabled
9      on this sector. For BRCH resource set with BRCHSubzoneCycling
10     disabled or DRCH resource set, the first subzone offset on all
11     interlaces where this resource set is present is set to
12     the ResourceSubzoneOffset. For BRCH resource set with
13     BRCHSubzoneCycling enabled, the offset of the first subzone
14     over each interlace is shifted cyclically. Since the offset of
15     first subzone over the lowest indexed interlace is defined by
16     ResourceSubzoneOffset, the offset of the first subzone in the
17     next interlace, where the resource set is present, is increased
18     by 1 mod NumBRCHSubzones"
19   REFERENCE
20     "IEEE Std. 802.20-2008, Subclause 11.7.5.3
21       (SupplementalConfigAssignment)"
22   ::= { dot20AnSectorGrpResSetsEntry 3 }
23
24 dot20AnResourceSetSubZoneSpacing OBJECT-TYPE
25   SYNTAX          Integer32 (0..3)
26   MAX-ACCESS     read-write
27   STATUS         current
28   DESCRIPTION
29     "This field indicates the spacing between subzones in a
30     resource set. Subzones belonging to a resource group on an
31     interlace is equally spaced, where the first subzone is
32     defined by ResourceSubzoneOffset and
33     BRCHSubzoneCyclingEnabled"
34   REFERENCE
35     "IEEE Std. 802.20-2008, Subclause 11.7.5.3
36       (SupplementalConfigAssignment)"
37   ::= { dot20AnSectorGrpResSetsEntry 4 }
38
39 dot20AnNumResourceSubzones OBJECT-TYPE
40   SYNTAX          Integer32 (0..31)
41   MAX-ACCESS     read-write
42   STATUS         current
43   DESCRIPTION
44     "This field determines the number of subzones in each
45     interlace where the resource set is present. An interlace is
46     defined as the set of frames that have the same Frame Index mod
47     InterlaceDepth, where InterlaceDepth is defined by
48     ResourceSetInterlace. This parameter takes the value n+1."
49   REFERENCE
50     "IEEE Std. 802.20-2008, Subclause 11.7.5.3
51       (SupplementalConfigAssignment)"
52   ::= { dot20AnSectorGrpResSetsEntry 5 }
53
54 dot20AnResourceSubzoneOffset OBJECT-TYPE
55   SYNTAX          Integer32 (0..31)
56   MAX-ACCESS     read-write
57   STATUS         current
58   DESCRIPTION
59     "This field is set to the first subzone on the lowest
60     indexed interlace that is part of a resource set. Interlace
61     index i is defined for the set of frames that have Frame Index
62     mod InterlaceDepth = i, where InterlaceDepth is defined by
63     ResourceSetInterlace"
64   REFERENCE
65     "IEEE Std. 802.20-2008, Subclause 11.7.5.3
66       (SupplementalConfigAssignment)"
67   ::= { dot20AnSectorGrpResSetsEntry 6 }
68

```

```

1  dot20AnResourceSetRowStatus OBJECT-TYPE
2      SYNTAX          RowStatus
3      MAX-ACCESS     read-create
4      STATUS         current
5      DESCRIPTION
6          "The status column used for creating, modifying, and deleting
7              instances of the columnar objects in the
8                  SectorFwdChanGrpResourceSet Table. If the implementor of this
9                      MIB has chosen not to implement 'dynamic assignment' of
10                         sectors, this attribute is not useful and should return
11                             noSuchName upon SNMP request."
12             DEFVAL        { active }
13             ::= { dot20AnSectorGrpResSetsEntry 7 }

14
15 dot20AnSecondaryRegZoneCodeTable OBJECT-TYPE
16     SYNTAX          SEQUENCE OF Dot20AnSecondaryRegZoneCodeEntry
17     MAX-ACCESS     not-accessible
18     STATUS         current
19     DESCRIPTION
20         "This table provides one row per 802.20 interface and per
21             secondary registration zone code."
22             ::= { dot20AnOverheadMessages 5 }

23
24 dot20AnSecondaryRegZoneCodeEntry OBJECT-TYPE
25     SYNTAX          Dot20AnSecondaryRegZoneCodeEntry
26     MAX-ACCESS     not-accessible
27     STATUS         current
28     DESCRIPTION
29         "An Entry (conceptual row) in the SecondaryRegZoneCode table,
30             which is used to trigger registration for paging. This table
31                 is indexed by IfIndex and dot20AnSecondaryRegZoneCodeIndex.
32                     ifIndex: Each IEEE 802.20 interface (uniquely identified by
33                         SectorID) is represented by an ifEntry."
34     REFERENCE
35         "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
36     INDEX
37         { ifIndex, dot20AnSecondaryRegZoneCodeIndex }
38             ::= { dot20AnSecondaryRegZoneCodeTable 1 }

39
40 dot20AnSecondaryRegZoneCodeIndex OBJECT-TYPE
41     SYNTAX          Integer32 (0..7)
42     MAX-ACCESS     not-accessible
43     STATUS         current
44     DESCRIPTION
45         "Index of the secondary registration zone code for a particular
46             sector."
47             ::= { dot20AnSecondaryRegZoneCodeEntry 1 }

48
49 dot20AnSecRegZoneCode OBJECT-TYPE
50     SYNTAX          Integer32 (0..255)
51     MAX-ACCESS     read-write
52     STATUS         current
53     DESCRIPTION
54         "One of the SecondaryRegistrationZoneCode for this sector"
55     REFERENCE
56         "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
57             ::= { dot20AnSecondaryRegZoneCodeEntry 2 }

58
59 dot20AnSecondaryRegZoneRowStatus OBJECT-TYPE
60     SYNTAX          RowStatus
61     MAX-ACCESS     read-create
62     STATUS         current
63     DESCRIPTION
64         "The status column used for creating, modifying, and deleting
65             instances of the columnar objects in the SecondaryRegZoneCode
66                 Table. If the implementor of this MIB has chosen not to
67                     implement 'dynamic assignment' of sectors, this attribute is
68                         not useful and should return noSuchName upon SNMP request."

```

```

1      DEFVAL      { active }
2      ::= { dot20AnSecondaryRegZoneCodeEntry 3 }
3
4 dot20AnSectorIpsiTable OBJECT-TYPE
5   SYNTAX      SEQUENCE OF Dot20AnSectorIpsiEntry
6   MAX-ACCESS  not-accessible
7   STATUS      current
8   DESCRIPTION
9     "This table provides one row per 802.20 interface and per
10    IPSI."
11   ::= { dot20AnOverheadMessages 6 }
12
13 dot20AnSectorIpsiEntry OBJECT-TYPE
14   SYNTAX      Dot20AnSectorIpsiEntry
15   MAX-ACCESS  not-accessible
16   STATUS      current
17   DESCRIPTION
18     "An Entry (conceptual row) in the SectorIpsi table, which is a
19       list of personalities supported by the given sector. This table
20       is indexed by IfIndex and dot20AnIpsiIndex. ifIndex: Each IEEE
21       802.20 interface (uniquely identified by SectorID) is
22       represented by an ifEntry."
23   REFERENCE
24     "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
25   INDEX
26     { ifIndex }
27   ::= { dot20AnSectorIpsiTable 1 }
28
29 dot20AnIpsiIndex OBJECT-TYPE
30   SYNTAX      Integer32 (0..7)
31   MAX-ACCESS  not-accessible
32   STATUS      current
33   DESCRIPTION
34     "Index of an Ipsi supported by a particular sector."
35   ::= { dot20AnSectorIpsiEntry 1 }
36
37 dot20AnSupportedIpsi OBJECT-TYPE
38   SYNTAX      Integer32 (0..15)
39   MAX-ACCESS  read-write
40   STATUS      current
41   DESCRIPTION
42     "IPSI supported by a particular sector"
43   REFERENCE
44     "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
45   ::= { dot20AnSectorIpsiEntry 2 }
46
47 dot20AnIpsiRowStatus OBJECT-TYPE
48   SYNTAX      RowStatus
49   MAX-ACCESS  read-create
50   STATUS      current
51   DESCRIPTION
52     "The status column used for creating, modifying, and deleting
53       instances of the columnar objects in the SectorIpsi Table. If
54       the implementor of this MIB has chosen not to implement
55       'dynamic assignment' of sectors, this attribute is not useful
56       and should return noSuchName upon SNMP request."
57   DEFVAL      { active }
58   ::= { dot20AnSectorIpsiEntry 3 }
59
60 dot20AnSectorCdmaSubSegTable OBJECT-TYPE
61   SYNTAX      SEQUENCE OF Dot20AnSectorCdmaSubSegEntry
62   MAX-ACCESS  not-accessible
63   STATUS      current
64   DESCRIPTION
65     "This table provides one row per 802.20 sector, interlace and
66       Reverse Channel group CDMA Sub segment (see ExtendedChannelInfo
67       message in AIS)."
68   ::= { dot20AnOverheadMessages 8 }

```

```

1      dot20AnSectorCdmaSubSegEntry OBJECT-TYPE
2          SYNTAX          Dot20AnSectorCdmaSubSegEntry
3          MAX-ACCESS     not-accessible
4          STATUS          current
5          DESCRIPTION
6              "An Entry (conceptual row) in the AnSectorCdmaSubSeg table.
7                  This table is indexed by ifIndex, interlaceId and
8                  CDMASubSegmentId."
9          REFERENCE
10             "IEEE Std. 802.20-2008, Subclause 11.6.5.4.2 (ReverseChannelGroup) "
11          INDEX
12              { ifIndex, dot20AnInterlaceId }
13          ::= { dot20AnSectorCdmaSubSegTable 1 }

14
15      dot20AnInterlaceId OBJECT-TYPE
16          SYNTAX          Integer32 (0..7)
17          MAX-ACCESS     not-accessible
18          STATUS          current
19          DESCRIPTION
20              "Interlace Id"
21          ::= { dot20AnSectorCdmaSubSegEntry 1 }

22
23      dot20AnCdmaSubSegmentNum OBJECT-TYPE
24          SYNTAX          Integer32 (0..7)
25          MAX-ACCESS     read-write
26          STATUS          current
27          DESCRIPTION
28              "Number of reverse channel CDMA Sub segment within an interlace
29                  for a particular sector."
30          REFERENCE
31             "IEEE Std. 802.20-2008, Subclause 11.6.5.4.2 (ReverseChannelGroup) "
32          ::= { dot20AnSectorCdmaSubSegEntry 2 }

33
34      dot20AnSectorCdmaSubSegRowStatus OBJECT-TYPE
35          SYNTAX          RowStatus
36          MAX-ACCESS     read-create
37          STATUS          current
38          DESCRIPTION
39              "The status column used for creating, modifying, and deleting
40                  instances of the columnar objects in the SectorCdmaSubSeg
41                  Table. If the implementor of this MIB has chosen not to
42                  implement 'dynamic assignment' of sectors, this attribute is
43                  not useful and should return noSuchName upon SNMP request."
44          DEFVAL
45              { active }
46          ::= { dot20AnSectorCdmaSubSegEntry 3 }

47
48      dot20AnChannelBandsTable OBJECT-TYPE
49          SYNTAX          SEQUENCE OF Dot20AnChannelBandsEntry
50          MAX-ACCESS     not-accessible
51          STATUS          current
52          DESCRIPTION
53              "This table provides one row per 802.20 ChannelBand. This
54                  table's attributes specify the ChannelBand record of a
55                  particular ChannelBand which may be used for a sector defined
56                  in the SectorConfig table, or by a member of the neighbor list
57                  defined in NeighborSectorsTable."
58          ::= { dot20AnOverheadMessages 9 }

59
60      dot20AnChannelBandsEntry OBJECT-TYPE
61          SYNTAX          Dot20AnChannelBandsEntry
62          MAX-ACCESS     not-accessible
63          STATUS          current
64          DESCRIPTION
65              "An Entry (conceptual row) in the ChannelBands table. The
66                  Channel Bands table is referenced by the NeighborSectorsTable
67                  or Sector Table. This table is indexed by ChannelBandIndex."
68          REFERENCE

```

```

1          "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters),
2          and Subclause 15.2.1 (ChannelBand Record)"
3      INDEX
4          { dot20AnChannelBandIndex }
5      ::= { dot20AnChannelBandsTable 1 }

6      dot20AnChannelBandIndex OBJECT-TYPE
7          SYNTAX      Integer32 (1..2147483647)
8          MAX-ACCESS  not-accessible
9          STATUS      current
10         DESCRIPTION
11             "Index of the ChannelBand within the ChannelBands table."
12             ::= { dot20AnChannelBandsEntry 1 }

13
14      dot20AnSystemType OBJECT-TYPE
15          SYNTAX      Integer32 (0..2)
16          MAX-ACCESS  read-write
17          STATUS      current
18         DESCRIPTION
19             "This attribute discriminates between the different ChannelBand
20             Records."
21         REFERENCE
22             "IEEE Std. 802.20-2008, Subclause 15.2.1 (ChannelBand Record)"
23             ::= { dot20AnChannelBandsEntry 2 }

24
25      dot20AnBandClass OBJECT-TYPE
26          SYNTAX      Integer32 (0..255)
27          MAX-ACCESS  read-write
28          STATUS      current
29         DESCRIPTION
30             "This attribute is set to the band class number
31             corresponding to the frequency assignment of the ChannelBand
32             specified by this record."
33         REFERENCE
34             "IEEE Std. 802.20-2008, Subclause 15.2.1 (ChannelBand Record)"
35             ::= { dot20AnChannelBandsEntry 3 }

36
37      dot20AnChannelNumber OBJECT-TYPE
38          SYNTAX      Integer32 (0..65535)
39          MAX-ACCESS  read-write
40          STATUS      current
41         DESCRIPTION
42             "This attribute is set to the Channel number
43             corresponding to the frequency assignment of the ChannelBand
44             specified by this record."
45         REFERENCE
46             "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters),
47             and Subclause 15.2.1 (ChannelBand Record)"
48             ::= { dot20AnChannelBandsEntry 4 }

49
50      dot20AnHalfDuplexSupported OBJECT-TYPE
51          SYNTAX      TruthValue
52          MAX-ACCESS  read-write
53          STATUS      current
54         DESCRIPTION
55             "This attribute is set to a true if half duplex operation
56             is supported in this system."
57         REFERENCE
58             "IEEE Std. 802.20-2008, Subclause 15.2.1 (ChannelBand Record)"
59             ::= { dot20AnChannelBandsEntry 5 }

60
61      dot20AnReverseChannelBandClass OBJECT-TYPE
62          SYNTAX      Integer32 (0..255)
63          MAX-ACCESS  read-write
64          STATUS      current
65         DESCRIPTION
66             "This attribute is set to the band class number
67             corresponding to the frequency assignment of the reverse

```

```

1      ChannelBand specified by this record."
2  REFERENCE
3      "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters),
4      and Subclause 15.2.1 (ChannelBand Record)"
5      ::= { dot20AnChannelBandsEntry 6 }
6
7  dot20AnReverseChannelNumber OBJECT-TYPE
8      SYNTAX      Integer32 (0..65535)
9      MAX-ACCESS  read-write
10     STATUS      current
11    DESCRIPTION
12      "This attribute is set to the Channel number
13      corresponding to the frequency assignment of the Reverse
14      ChannelBand specified by this record."
15    REFERENCE
16      "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters),
17      and Subclause 15.2.1 (ChannelBand Record)"
18      ::= { dot20AnChannelBandsEntry 7 }
19
20  dot20AnCyclicPrefixLength OBJECT-TYPE
21      SYNTAX      Integer32 (0..3)
22      MAX-ACCESS  read-write
23      STATUS      current
24    DESCRIPTION
25      "This attribute is set to the cyclic prefix length,
26      i.e. it is set to the quantity (N_CP-1) from the Physical
27      Layer."
28    REFERENCE
29      "IEEE Std. 802.20-2008, Subclause 15.2.1 (ChannelBand Record),
30      and Table 165 (Specification for the u Parameter)"
31      ::= { dot20AnChannelBandsEntry 8 }
32
33  dot20AnFFTSize OBJECT-TYPE
34      SYNTAX      Integer32 (0..7)
35      MAX-ACCESS  read-write
36      STATUS      current
37    DESCRIPTION
38      "This attribute is set to log_2(N_FFT/128)."
39    REFERENCE
40      "IEEE Std. 802.20-2008, Subclause 15.2.1 (ChannelBand Record)"
41      ::= { dot20AnChannelBandsEntry 9 }
42
43  dot20AnCBNumGuardSubcarriers OBJECT-TYPE
44      SYNTAX      Integer32 (0..63)
45      MAX-ACCESS  read-write
46      STATUS      current
47    DESCRIPTION
48      "This attribute is set to the number of guard subcarriers
49      for the system on the forward channel."
50    REFERENCE
51      "IEEE Std. 802.20-2008, Subclause 15.2.1 (ChannelBand Record)"
52      ::= { dot20AnChannelBandsEntry 10 }
53
54  dot20AnChannelBandShortId OBJECT-TYPE
55      SYNTAX      Integer32 (0..3)
56      MAX-ACCESS  read-write
57      STATUS      current
58    DESCRIPTION
59      "This attribute identifies the two bit index that identifies
60      this channel in beacon transmissions"
61    REFERENCE
62      "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
63      ::= { dot20AnChannelBandsEntry 11 }
64
65  dot20AnChannelBandAccessHashMask OBJECT-TYPE
66      SYNTAX      Integer32 (0..65536)
67      MAX-ACCESS  read-write
68      STATUS      current

```

```

1      DESCRIPTION
2          "this attribute is set to the AccessHashingChannelMask for this
3              channel"
4      REFERENCE
5          "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
6      ::= { dot20AnChannelBandsEntry 12 }

7      dot20AnChannelBandStatus OBJECT-TYPE
8          SYNTAX      RowStatus
9          MAX-ACCESS   read-create
10         STATUS       current
11         DESCRIPTION
12             "The status column used for creating, modifying, and deleting
13                 instances of the columnar objects in the ChannelBands Table.
14                 If the implementor of this MIB has chosen not to implement
15                     'dynamic assignment' of ChannelBands, this attribute is not
16                         useful and should return noSuchName upon SNMP request."
17         REFERENCE
18             "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
19         DEFVAL        { active }
20         ::= { dot20AnChannelBandsEntry 13 }

21      dot20AnNeighborSectorsTable OBJECT-TYPE
22          SYNTAX      SEQUENCE OF Dot20AnNeighborSectorsEntry
23          MAX-ACCESS   not-accessible
24         STATUS       current
25         DESCRIPTION
26             "This table provides one row per 802.20 neighbor sector. This
27                 table's attributes specify the sector parameters of a
28                     particular neighbor sector which may be used as a neighbor to
29                         one sector defined in the SectorConfig table."
30             ::= { dot20AnOverheadMessages 10 }

31      dot20AnNeighborSectorsEntry OBJECT-TYPE
32          SYNTAX      Dot20AnNeighborSectorsEntry
33          MAX-ACCESS   not-accessible
34         STATUS       current
35         DESCRIPTION
36             "An Entry (conceptual row) in the AnNeighborSectors table. This
37                 table is indexed by ChannelBandIndex, NeighborSectorIndex."
38         INDEX
39             { dot20AnChannelBandIndex, dot20AnNeighborSectorIndex }
40         ::= { dot20AnNeighborSectorsTable 1 }

41      dot20AnNeighborSectorIndex OBJECT-TYPE
42          SYNTAX      Integer32 (1..2147483647)
43          MAX-ACCESS   not-accessible
44         STATUS       current
45         DESCRIPTION
46             "Index of the Neighbor Sector for this Neighbor Carrier within
47                 the ChannelBand."
48             ::= { dot20AnNeighborSectorsEntry 1 }

49      dot20AnNeighborPilotID OBJECT-TYPE
50          SYNTAX      Integer32 (0..1023)
51          MAX-ACCESS   read-write
52         STATUS       current
53         DESCRIPTION
54             "This attribute is set to the PilotID of a neighboring
55                 sector that the access terminal should add to its Neighbor
56                     Set."
57         REFERENCE
58             "IEEE Std. 802.20-2008, Subclause 5.3.2.1 (PilotPN and PilotPhase)"
59             ::= { dot20AnNeighborSectorsEntry 2 }

60      dot20AnNeighborEffTransmitPower OBJECT-TYPE
61          SYNTAX      Integer32 (0..63)
62          MAX-ACCESS   read-write

```

```

1      STATUS      current
2      DESCRIPTION
3          "This attribute is set to the transmit power of the
4          sector in units of dBm."
5      REFERENCE
6          "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
7          ::= { dot20AnNeighborSectorsEntry 3 }
8
9      dot20AnNeighborChannelBandRef OBJECT-TYPE
10     SYNTAX      Integer32
11     MAX-ACCESS  read-write
12     STATUS      current
13     DESCRIPTION
14         "The reference to the ChannelBand defined in ChannelBands table
15         (dot20AnChannelBandIndex)"
16     REFERENCE
17         "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
18         ::= { dot20AnNeighborSectorsEntry 4 }
19
20     dot20AnNeighborChannelShortID OBJECT-TYPE
21     SYNTAX      Integer32 (0..3)
22     MAX-ACCESS  read-write
23     STATUS      current
24     DESCRIPTION
25         "Neighbor Sector's short Channel ID"
26     REFERENCE
27         "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
28         ::= { dot20AnNeighborSectorsEntry 5 }
29
30     dot20AnNeighborSameANAsPrimSect OBJECT-TYPE
31     SYNTAX      TruthValue
32     MAX-ACCESS  read-write
33     STATUS      current
34     DESCRIPTION
35         "Set true if same access network as primary sector."
36     REFERENCE
37         "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
38         ::= { dot20AnNeighborSectorsEntry 6 }
39
40     dot20AnNeighborSectorPilotGrpId OBJECT-TYPE
41     SYNTAX      Integer32 (0..7)
42     MAX-ACCESS  read-write
43     STATUS      current
44     DESCRIPTION
45         "Neighbor Sector's Pilot Group Id"
46     REFERENCE
47         "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
48         ::= { dot20AnNeighborSectorsEntry 7 }
49
50     dot20AnNeighborSynchGroupId OBJECT-TYPE
51     SYNTAX      Integer32 (0..7)
52     MAX-ACCESS  read-write
53     STATUS      current
54     DESCRIPTION
55         "Neighbor Sector's Synchronous Group Id"
56     REFERENCE
57         "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
58         ::= { dot20AnNeighborSectorsEntry 8 }
59
60     dot20AnNeighborSectorCellGroupId OBJECT-TYPE
61     SYNTAX      Integer32 (0..7)
62     MAX-ACCESS  read-write
63     STATUS      current
64     DESCRIPTION
65         "Neighbor Sector's Cell Group Id"
66     REFERENCE
67         "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
68         ::= { dot20AnNeighborSectorsEntry 9 }

```

```

1   dot20AnNeighborSectorStatus OBJECT-TYPE
2     SYNTAX          RowStatus
3     MAX-ACCESS      read-create
4     STATUS          current
5     DESCRIPTION
6       "The status column used for creating, modifying, and deleting
7         instances of the columnar objects in the NeighborSectors
8         Table. If the implementor of this MIB has chosen not to
9         implement 'dynamic assignment' of neighbor sectors this
10        attribute is not useful and should return noSuchName upon SNMP
11        request."
12     REFERENCE
13       "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
14     DEFVAL          { active }
15     ::= { dot20AnNeighborSectorsEntry 10 }

16
17 dot20AnOtherTechNghbrsTable OBJECT-TYPE
18   SYNTAX          SEQUENCE OF Dot20AnOtherTechNghbrsEntry
19   MAX-ACCESS      not-accessible
20   STATUS          current
21   DESCRIPTION
22     "This table provides one row per other technology neighbor
23       channel. This table's attributes specify the technology type
24       and neighbor list of a particular neighbor channel which may be
25       used by one sector defined in the SectorConfig table for
26       inter-technology handoff."
27     ::= { dot20AnOverheadMessages 11 }

28
29 dot20AnOtherTechNghbrsEntry OBJECT-TYPE
30   SYNTAX          Dot20AnOtherTechNghbrsEntry
31   MAX-ACCESS      not-accessible
32   STATUS          current
33   DESCRIPTION
34     "An Entry (conceptual row) in the AnOtherTechNghbrs table. This
35       table is indexed by Sector (ifIndex) and OtherTechnologyIndex"
36     INDEX
37       { ifIndex, dot20AnOtherTechnologyIndex }
38     ::= { dot20AnOtherTechNghbrsTable 1 }

39
40 dot20AnOtherTechnologyIndex OBJECT-TYPE
41   SYNTAX          Integer32 (1..2147483647)
42   MAX-ACCESS      not-accessible
43   STATUS          current
44   DESCRIPTION
45     "The neighbor other technology entry index"
46     ::= { dot20AnOtherTechNghbrsEntry 1 }

47
48 dot20AnTechnologyType OBJECT-TYPE
49   SYNTAX          Integer32 (0..255)
50   MAX-ACCESS      read-write
51   STATUS          current
52   DESCRIPTION
53     "This attribute is set to the type of other technology.
54       Interpretation for its value should as defined in the AIS
55       spec."
56     REFERENCE
57       "IEEE Std 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
58     ::= { dot20AnOtherTechNghbrsEntry 2 }

59
60 dot20AnTechNghbrListLength OBJECT-TYPE
61   SYNTAX          Integer32 (0..255)
62   MAX-ACCESS      read-write
63   STATUS          current
64   DESCRIPTION
65     "This attribute is set the length, in bytes, of the
66       neighbor list information for the other technology."
67     REFERENCE
68

```

```

1      "IEEE Std 802.20-2008, Subclause 11.6.5.5 (SectorParameters) "
2      ::= { dot20AnOtherTechNghbrsEntry 3 }
3
4      dot20AnTechnologyNeighborList OBJECT-TYPE
5          SYNTAX          OCTET STRING (SIZE(256))
6          MAX-ACCESS     read-write
7          STATUS         current
8          DESCRIPTION
9              "This attribute is set to the neighbor list information
10             for the other technology."
11          REFERENCE
12              "IEEE Std 802.20-2008, Subclause 11.6.5.5 (SectorParameters) "
13              ::= { dot20AnOtherTechNghbrsEntry 4 }
14
15      dot20AnOtherTechNghbrRowStatus OBJECT-TYPE
16          SYNTAX          RowStatus
17          MAX-ACCESS     read-create
18          STATUS         current
19          DESCRIPTION
20              "The status column used for creating, modifying, and deleting
21              instances of the columnar objects in the OtherTechNghbrs Table.
22              If the implementor of this MIB has chosen not to implement
23              'dynamic assignment' of other technology neighbors, this
24              attribute is not useful and should return noSuchName upon SNMP
25              request."
26          DEFVAL          { active }
27          ::= { dot20AnOtherTechNghbrsEntry 5 }
28
29      dot20AnNeighborListTable OBJECT-TYPE
30          SYNTAX          SEQUENCE OF Dot20AnNeighborListEntry
31          MAX-ACCESS     not-accessible
32          STATUS         current
33          DESCRIPTION
34              "This table defines the neighbor lists for the sectors defined
35              in the SectorConfig table. Each row in this table indexed per
36              sector (ifIndex) specifies a pointer to a neighbor sector of
37              this sector."
38          ::= { dot20AnOverheadMessages 12 }
39
40      dot20AnNeighborListEntry OBJECT-TYPE
41          SYNTAX          Dot20AnNeighborListEntry
42          MAX-ACCESS     not-accessible
43          STATUS         current
44          DESCRIPTION
45              "An Entry (conceptual row) in the AnNeighborList table. This
46              table is indexed by Sector (ifIndex) and NeighborIndex indexing
47              each neighbor sector for a particular Sector."
48          INDEX
49              { ifIndex, dot20AnNeighborIndex }
50          ::= { dot20AnNeighborListTable 1 }
51
52      dot20AnNeighborIndex OBJECT-TYPE
53          SYNTAX          Integer32 (1..32)
54          MAX-ACCESS     not-accessible
55          STATUS         current
56          DESCRIPTION
57              "This index identifies one neighbor sector for a Sector."
58          ::= { dot20AnNeighborListEntry 1 }
59
60      dot20AnNeighborSectorPointer OBJECT-TYPE
61          SYNTAX          RowPointer
62          MAX-ACCESS     read-create
63          STATUS         current
64          DESCRIPTION
65              "This attribute points to an instance of sector in SectorConfig
66              table or in NeighborSectors table. This sector is defined as a
67              neighbor of the sector identified by the ifIndex of this
68              attribute's entry."

```

```

1      ::= { dot20AnNeighborListEntry 2 }
2
3 dot20AnNeighborRowStatus OBJECT-TYPE
4   SYNTAX          RowStatus
5   MAX-ACCESS     read-create
6   STATUS         current
7   DESCRIPTION
8     "The status column used for creating, modifying, and deleting
9      instances of the columnar objects in the NeighborList Table.
10     If the implementor of this MIB has chosen not to implement
11       'dynamic assignment' of neighbor list entries this attribute is
12       not useful and should return noSuchName upon SNMP request."
13   DEFVAL        { active }
14   ::= { dot20AnNeighborListEntry 3 }
15
16 dot20AnSectorToIfIndexTable OBJECT-TYPE
17   SYNTAX        SEQUENCE OF Dot20AnSectorToIfIndexEntry
18   MAX-ACCESS    not-accessible
19   STATUS        current
20   DESCRIPTION
21     "This table can be used to find the ifIndex of an 802.20
22       interface based on its SectorID and ChannelBand information
23       (reverse mapping of the Sector Config table)."
24   ::= { dot20An 2 }
25
26 dot20AnSectorToIfIndexEntry OBJECT-TYPE
27   SYNTAX        Dot20AnSectorToIfIndexEntry
28   MAX-ACCESS    not-accessible
29   STATUS        current
30   DESCRIPTION
31     "An Entry (conceptual row) in the AnSectorToIfIndex table."
32   INDEX
33     { dot20AnSectorID, ifIndex }
34   ::= { dot20AnSectorToIfIndexTable 1 }
35
36 dot20AnIfChannelBandRef OBJECT-TYPE
37   SYNTAX        Integer32
38   MAX-ACCESS    read-write
39   STATUS        current
40   DESCRIPTION
41     "The reference to the ChannelBand defined in ChannelBands table
42       (dot20AnChannelBandIndex)"
43   REFERENCE
44     "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters,
45       first instance), and Subclause 15.2.1 (ChannelBand Record)"
46   ::= { dot20AnSectorToIfIndexEntry 1 }
47
48 dot20Cmn OBJECT-IDENTITY
49   STATUS        current
50   DESCRIPTION
51     "Common configuration and statistics."
52   ::= { ieee802dot20 2 }
53
54 dot20CmnMac OBJECT-IDENTITY
55   STATUS        current
56   DESCRIPTION
57     "MAC layer objects"
58   ::= { dot20Cmn 1 }
59
60 dot20CmnSessionControl OBJECT IDENTIFIER ::= { dot20CmnMac 1 }
61
62 dot20CmnSessionMgtProtocol OBJECT IDENTIFIER ::= { dot20CmnSessionControl 1 }
63
64 dot20CmnSessionOpenCounts OBJECT-TYPE
65   SYNTAX        Counter64
66   MAX-ACCESS    read-only
67   STATUS        current
68   DESCRIPTION

```

```

1      "Number of sessions opened"
2      REFERENCE
3          "IEEE Std 802.20-2008, Figure 159 (Basic Session Control
4              Protocol State Diagram (Access Network))"
5          ::= { dot20CmnSessionMgtProtocol 1 }
6
7  dot20CmnSessionCloseCounts OBJECT-TYPE
8      SYNTAX          Counter64
9      MAX-ACCESS     read-only
10     STATUS          current
11    DESCRIPTION
12        "Number of sessions closed"
13    REFERENCE
14        "IEEE Std 802.20-2008, Figure 159 (Basic Session Control
15            Protocol State Diagram (Access Network))"
16        ::= { dot20CmnSessionMgtProtocol 2 }
17
18  dot20CmnSessionFailureCounts OBJECT-TYPE
19      SYNTAX          Counter64
20     MAX-ACCESS     read-only
21     STATUS          current
22    DESCRIPTION
23        "Number of session open/close failures"
24    REFERENCE
25        "IEEE Std 802.20-2008, Figure 159 (Basic Session Control
26            Protocol State Diagram (Access Network))"
27        ::= { dot20CmnSessionMgtProtocol 3 }
28
29  dot20CmnConnectionControl OBJECT IDENTIFIER ::= { dot20CmnMac 3 }
30
31  dot20CmnConnectedState OBJECT IDENTIFIER ::= { dot20CmnConnectionControl 1 }
32
33  dot20CmnActiveConnectionCounts OBJECT-TYPE
34      SYNTAX          Counter64
35     MAX-ACCESS     read-only
36     STATUS          current
37    DESCRIPTION
38        "Number of current active connections (in Open state.)"
39    REFERENCE
40        "IEEE Std 802.20-2008, Figures 152 and 153"
41        ::= { dot20CmnConnectedState 1 }
42
43  dot20CmnConnectionAttemptCounts OBJECT-TYPE
44      SYNTAX          Counter64
45     MAX-ACCESS     read-only
46     STATUS          current
47    DESCRIPTION
48        "Number of connection attempts (i.e. that reached BindATI state.)"
49    REFERENCE
50        "IEEE Std 802.20-2008, Figure 152 (Basic Connected State
51            Protocol State Diagram (AT)) and Figure 153 (Basic Connected
52            State Protocol State Diagram (AN))"
53        ::= { dot20CmnConnectedState 2 }
54
55  dot20CmnConnectionFailureCounts OBJECT-TYPE
56      SYNTAX          Counter64
57     MAX-ACCESS     read-only
58     STATUS          current
59    DESCRIPTION
60        "Number of connection failures during connection attempt (i.e.
61            That reached BindATI state without reaching Open state,
62            through timeout or deactivation"
63    REFERENCE
64        "IEEE Std 802.20-2008, Figures 152 (Connect State Protocol
65            State Diagram (AT)) and 153 (Connected State Protocol State
66            Diagram (AN))"
67        ::= { dot20CmnConnectedState 3 }
68

```

```

1  dot20CmnConnectionDropCounts OBJECT-TYPE
2      SYNTAX          Counter64
3      MAX-ACCESS     read-only
4      STATUS         current
5      DESCRIPTION
6          "Number of dropped connections (via a command of
7              ConnectedState.Close) after a connection has been established."
8      REFERENCE
9          "IEEE Std 802.20-2008, Figures 152 (Connect State Protocol
10             State Diagram (AT)) and 153 (Connected State Protocol State
11                 Diagram (AN))"
12      ::= { dot20CmnConnectedState 4 }

13
14 dot20CmnConnectionReleaseCounts OBJECT-TYPE
15     SYNTAX          Counter64
16     MAX-ACCESS     read-only
17     STATUS         current
18     DESCRIPTION
19         "Number of connection release (Tx ConnectionClose or
20             Rx ConnectionClose) after a connection has been established."
21     REFERENCE
22         "IEEE Std 802.20-2008, Figures 152 (Connect State Protocol
23             State Diagram (AT)) and 153 (Connected State Protocol State
24                 Diagram (AN))"
25     ::= { dot20CmnConnectedState 5 }

26
27 dot20CmnRadioLink OBJECT IDENTIFIER ::= { dot20CmnMac 4 }
28
29 dot20CmnRlp OBJECT IDENTIFIER ::= { dot20CmnRadioLink 2 }

30
31 dot20CmnRlpStatsTable OBJECT-TYPE
32     SYNTAX          SEQUENCE OF Dot20CmnRlpStatsEntry
33     MAX-ACCESS     not-accessible
34     STATUS         current
35     DESCRIPTION
36         "This table provides one row of Radio Link Protocol statistics
37             per 802.20 interface"
38     ::= { dot20CmnRlp 1 }

39
40 dot20CmnRlpStatsEntry OBJECT-TYPE
41     SYNTAX          Dot20CmnRlpStatsEntry
42     MAX-ACCESS     not-accessible
43     STATUS         current
44     DESCRIPTION
45         "An Entry (conceptual row) in the RlpStats table. This table is
46             indexed by IfIndex and dot20StreamId."
47     INDEX
48         { ifIndex, dot20CmnStreamId }
49     ::= { dot20CmnRlpStatsTable 1 }

50
51 dot20CmnStreamId OBJECT-TYPE
52     SYNTAX          Integer32 (0 .. 31)
53     MAX-ACCESS     not-accessible
54     STATUS         current
55     DESCRIPTION
56         "Stream Id"
57     ::= { dot20CmnRlpStatsEntry 1 }

58
59 dot20CmnRlpTxBytes OBJECT-TYPE
60     SYNTAX          Counter64
61     MAX-ACCESS     read-only
62     STATUS         current
63     DESCRIPTION
64         "Number of RLP bytes of payload transmitted"
65     REFERENCE
66         "IEEE Std 802.20-2008, Subclause 7.3.3.4.2 (RLP Transmit
67             Procedures)"
68     ::= { dot20CmnRlpStatsEntry 2 }

```

```

1   dot20CmnRlpReTxBytes OBJECT-TYPE
2     SYNTAX          Counter64
3     MAX-ACCESS     read-only
4     STATUS          current
5     DESCRIPTION
6       "Number of RLP bytes of payload retransmitted"
7     REFERENCE
8       "IEEE Std 802.20-2008, Subclause 7.3.3.4.2 (RLP Transmit
9         Procedures)"
10      ::= { dot20CmnRlpStatsEntry 3 }
11
12  dot20CmnRlpTxDropBytes OBJECT-TYPE
13    SYNTAX          Counter64
14    MAX-ACCESS     read-only
15    STATUS          current
16    DESCRIPTION
17      "Number of RLP bytes of dropped before transmission"
18    REFERENCE
19      "IEEE Std 802.20-2008, Subclause 7.3.3.4.2 (RLP Transmit
20        Procedures)"
21      ::= { dot20CmnRlpStatsEntry 4 }
22
23  dot20CmnRlpTxStatus OBJECT-TYPE
24    SYNTAX          Counter64
25    MAX-ACCESS     read-only
26    STATUS          current
27    DESCRIPTION
28      "Number of RLP ReceiverStatus messages transmitted"
29    REFERENCE
30      "IEEE 802.20-2008, Subclause 7.3.4.3.3.5 (ATReceiverStatus) ,
31        and Subclause 7.3.4.3.3.7 (ANReceiverStatus) "
32      ::= { dot20CmnRlpStatsEntry 5 }
33
34  dot20CmnRlpRxBytes OBJECT-TYPE
35    SYNTAX          Counter64
36    MAX-ACCESS     read-only
37    STATUS          current
38    DESCRIPTION
39      "Number of RLP bytes of payload received"
40      ::= { dot20CmnRlpStatsEntry 6 }
41
42  dot20CmnRlpRxStatus OBJECT-TYPE
43    SYNTAX          Counter64
44    MAX-ACCESS     read-only
45    STATUS          current
46    DESCRIPTION
47      "Number of RLP ReceiverStatus messages received"
48    REFERENCE
49      "IEEE 802.20-2008, Subclause 7.3.4.3.3.5 (ATReceiverStatus) ,
50        and Subclause 7.3.4.3.3.7 (ANReceiverStatus) "
51      ::= { dot20CmnRlpStatsEntry 7 }
52
53  dot20CmnRlpTxPackets OBJECT-TYPE
54    SYNTAX          Counter64
55    MAX-ACCESS     read-only
56    STATUS          current
57    DESCRIPTION
58      "Number of RLP Packets transmitted"
59    REFERENCE
60      "IEEE Std 802.20-2008, Subclause 7.3.3.4.2 (RLP Transmit
61        Procedures)"
62      ::= { dot20CmnRlpStatsEntry 8 }
63
64  dot20CmnRlpReTxPackets OBJECT-TYPE
65    SYNTAX          Counter64
66    MAX-ACCESS     read-only
67    STATUS          current
68

```

```

1      DESCRIPTION
2          "Number of RLP Packets retransmitted"
3      REFERENCE
4          "IEEE Std 802.20-2008, Subclause 7.3.3.4.2 (RLP Transmit
5              Procedures)"
6      ::= { dot20CmnRlpStatsEntry 9 }

7
8      dot20CmnRlpTxrDropPackets OBJECT-TYPE
9          SYNTAX          Counter64
10         MAX-ACCESS     read-only
11         STATUS          current
12         DESCRIPTION
13             "Number of RLP Packets dropped before transmission"
14         REFERENCE
15             "IEEE Std 802.20-2008, Subclause 7.3.3.4.2 (RLP Transmit
16                 Procedures)"
17             ::= { dot20CmnRlpStatsEntry 10 }

18
19      dot20CmnRlpRxPackets OBJECT-TYPE
20          SYNTAX          Counter64
21         MAX-ACCESS     read-only
22         STATUS          current
23         DESCRIPTION
24             "Number of RLP Packets received"
25         REFERENCE
26             "IEEE Std 802.20-2008, Subclause 7.3.3.4.3 (RLP Receive
27                 Procedures)"
28             ::= { dot20CmnRlpStatsEntry 11 }

29
30      dot20CmnRlpTxNAKTimeouts OBJECT-TYPE
31          SYNTAX          Counter64
32         MAX-ACCESS     read-only
33         STATUS          current
34         DESCRIPTION
35             "Number of NAK Timeouts"
36         REFERENCE
37             "IEEE Std 802.20-2008, Subclause 7.3.3.4.3 (RLP Receive
38                 Procedures)"
39             ::= { dot20CmnRlpStatsEntry 12 }

40
41      dot20CmnRlpTxACKTimeouts OBJECT-TYPE
42          SYNTAX          Counter64
43         MAX-ACCESS     read-only
44         STATUS          current
45         DESCRIPTION
46             "Number of ACK Timeouts"
47         REFERENCE
48             "IEEE Std 802.20-2008, Subclause 7.3.3.4.2 (RLP Transmit
49                 Procedures)"
50             ::= { dot20CmnRlpStatsEntry 13 }

51
52      dot20CmnQmp OBJECT-IDENTITY
53          STATUS          current
54          DESCRIPTION
55              "Qos Management Protocol"
56              ::= { dot20CmnRadioLink 3 }

57
58      dot20CmnQmpStatsTable OBJECT-TYPE
59          SYNTAX          SEQUENCE OF Dot20CmnQmpStatsEntry
60         MAX-ACCESS     not-accessible
61         STATUS          current
62         DESCRIPTION
63             "This table provides one row of QMP statistics per 802.20
64                 interface"
65             ::= { dot20CmnQmp 2 }

66
67      dot20CmnQmpStatsEntry OBJECT-TYPE
68          SYNTAX          Dot20CmnQmpStatsEntry

```

```

1      MAX-ACCESS    not-accessible
2      STATUS        current
3      DESCRIPTION
4          "An Entry (conceptual row) in the QmpStats table. This table is
5          indexed by IfIndex. ifIndex: Each IEEE 802.20 interface is
6          represented by an ifEntry."
7      INDEX
8          { ifIndex }
9      ::= { dot20CmnQmpStatsTable 1 }

10     dot20CmnActiveReservationsCounts OBJECT-TYPE
11         SYNTAX        Counter64
12         MAX-ACCESS   read-only
13         STATUS        current
14         DESCRIPTION
15             "Number of Active (Open State) Reservations"
16         REFERENCE
17             "IEEE Std 802.20-2008, Figure 21 (Reverse Link Reservation
18                 State Diagram (AT)), and Figure 22 (Forward Link Reservation State
19                 Diagram (AN))"
20             ::= { dot20CmnQmpStatsEntry 1 }

21     dot20CmnIdleReservationsCounts OBJECT-TYPE
22         SYNTAX        Counter64
23         MAX-ACCESS   read-only
24         STATUS        current
25         DESCRIPTION
26             "Number of Idle (Close State) Reservations"
27         REFERENCE
28             "IEEE Std 802.20-2008, Figure 21 (Reverse Link Reservation
29                 State Diagram (AT)), and Figure 22 (Forward Link Reservation State
30                 Diagram (AN))"
31             ::= { dot20CmnQmpStatsEntry 2 }

32     dot20CmnReservationOpenCounts OBJECT-TYPE
33         SYNTAX        Counter64
34         MAX-ACCESS   read-only
35         STATUS        current
36         DESCRIPTION
37             "Number of Reservations Open requests"
38         REFERENCE
39             "IEEE Std 802.20-2008, Figure 21 (Reverse Link Reservation
40                 State Diagram (AT)), Figure 22 (Forward Link Reservation State
41                 Diagram (AN), Subclause 7.2.3.3.1 (ReservationOnRequest), and
42                 Subclause 7.2.3.3.6 (RevReservationOn))"
43             ::= { dot20CmnQmpStatsEntry 3 }

44     dot20CmnReservationCloseCounts OBJECT-TYPE
45         SYNTAX        Counter64
46         MAX-ACCESS   read-only
47         STATUS        current
48         DESCRIPTION
49             "Number of Reservations Close requests"
50         REFERENCE
51             "IEEE Std 802.20-2008, Figure 21 (Reverse Link Reservation
52                 State Diagram (AT)), Figure 22 (Forward Link Reservation State
53                 Diagram (AN), Subclause 7.2.3.3.2 (ReservationOffRequest),
54                 and Subclause 7.2.3.3.7 (RevReservationOn))"
55             ::= { dot20CmnQmpStatsEntry 4 }

56     dot20CmnReservationFailCounts OBJECT-TYPE
57         SYNTAX        Counter64
58         MAX-ACCESS   read-only
59         STATUS        current
60         DESCRIPTION
61             "Number of Failed Reservations requests"
62         REFERENCE
63             "IEEE Std 802.20-2008, Subclause 7.2.3.3.5 (ReservationReject)"

```

```

1      ::= { dot20CmnQmpStatsEntry 5 }
2
3 dot20CmnSecurity OBJECT IDENTIFIER ::= { dot20CmnMac 5 }
4
5 dot20CmnKeyExchangeProtocol OBJECT IDENTIFIER ::= { dot20CmnSecurity 1 }
6
7 dot20CmnKeyExchangeAttemptCounts OBJECT-TYPE
8   SYNTAX          Counter64
9   MAX-ACCESS     read-only
10  STATUS         current
11  DESCRIPTION
12    "Number of key exchanges attempts"
13  REFERENCE
14    "IEEE Std 802.20-2008, Subclause 10.4.5.2.1 (KeyRequest)"
15  ::= { dot20CmnKeyExchangeProtocol 1 }
16
17 dot20CmnKeyExchangeFailureCounts OBJECT-TYPE
18   SYNTAX          Counter64
19   MAX-ACCESS     read-only
20   STATUS         current
21   DESCRIPTION
22    "Number of key exchanges failures"
23  REFERENCE
24    "IEEE Std 802.20-2008, Subclause 10.4.5.2.4 (KeyReject)"
25  ::= { dot20CmnKeyExchangeProtocol 2 }
26
27 dot20CmnMessageIntegrityProtocol OBJECT IDENTIFIER ::= { dot20CmnSecurity 2 }
28
29 dot20CmnAuthStatsTable OBJECT-TYPE
30   SYNTAX          SEQUENCE OF Dot20CmnAuthStatsEntry
31   MAX-ACCESS     not-accessible
32   STATUS         current
33   DESCRIPTION
34    "This table provides one row of Authentication statistics per
35    802.20 interface (i.e. sector for a specific ChannelBand.)"
36  ::= { dot20CmnMessageIntegrityProtocol 1 }
37
38 dot20CmnAuthStatsEntry OBJECT-TYPE
39   SYNTAX          Dot20CmnAuthStatsEntry
40   MAX-ACCESS     not-accessible
41   STATUS         current
42   DESCRIPTION
43    "Authentication statistics per 802.20 interfaces"
44   INDEX
45    { ifIndex }
46  ::= { dot20CmnAuthStatsTable 1 }
47
48 dot20CmnAuthFailureCounts OBJECT-TYPE
49   SYNTAX          Counter64
50   MAX-ACCESS     read-only
51   STATUS         current
52   DESCRIPTION
53    "Number of Authentication failures (i.e. failure code 0x03 for
54    RouteOpenReject.)"
55  REFERENCE
56    "IEEE Std 802.20-2008, Subclause 13.2.6.2.1
57    (RouteOpenRequest), and Subclause 13.2.6.12
58    (RouteOpenReject)"
59  ::= { dot20CmnAuthStatsEntry 1 }
60
61 dot20CmnAuthSuccessCounts OBJECT-TYPE
62   SYNTAX          Counter64
63   MAX-ACCESS     read-only
64   STATUS         current
65   DESCRIPTION
66    "Number of successful Authentications"
67  REFERENCE
68    "IEEE Std 802.20-2008, Subclause 13.2.6.2.1

```

```

1      (RouteOpenRequest), and Subclause 13.2.6.3
2      (RouteOpenAccept)"
3      ::= { dot20CmnAuthStatsEntry 2 }
4
5 dot20CmnLowerMAC OBJECT IDENTIFIER ::= { dot20CmnMac 6 }
6
7 dot20CmnLMACPacketStatsTable OBJECT-TYPE
8   SYNTAX      SEQUENCE OF Dot20CmnLMACPacketStatsEntry
9   MAX-ACCESS  not-accessible
10  STATUS      current
11  DESCRIPTION
12    "This table provides one row of Lower MAC protocol statistics
13      per 802.20 interface, packet format and nb of ARQ attempts
14      needed in order to successfully transmit/receive a packet."
15  ::= { dot20CmnLowerMAC 1 }
16
17 dot20CmnLMACPacketStatsEntry OBJECT-TYPE
18   SYNTAX      Dot20CmnLMACPacketStatsEntry
19   MAX-ACCESS  not-accessible
20   STATUS      current
21   DESCRIPTION
22     "An Entry (conceptual row) in the LMACPacketStats table. This
23     table is indexed by IfIndex, PacketFormatIndex and
24     ARQAttemptsIndex."
25   INDEX
26     { ifIndex, dot20CmnPacketFormatIndex, dot20CmnARQAttemptsIndex
27   }
28  ::= { dot20CmnLMACPacketStatsTable 1 }
29
30 dot20CmnPacketFormatIndex OBJECT-TYPE
31   SYNTAX      Integer32 (0..15)
32   MAX-ACCESS  not-accessible
33   STATUS      current
34   DESCRIPTION
35     "The packet format index as defined in 802.20 AIS spec."
36  ::= { dot20CmnLMACPacketStatsEntry 1 }
37
38 dot20CmnARQAttemptsIndex OBJECT-TYPE
39   SYNTAX      Integer32 (0..15)
40   MAX-ACCESS  not-accessible
41   STATUS      current
42   DESCRIPTION
43     "Number of ARQ attempts that were needed in order to transmit
44     or receive a packet. Index 0 means that the packets failed to
45     be transmitted/received."
46  ::= { dot20CmnLMACPacketStatsEntry 2 }
47
48
49 dot20CmnFwdTxPacketCounts OBJECT-TYPE
50   SYNTAX      Counter64
51   MAX-ACCESS  read-only
52   STATUS      current
53   DESCRIPTION
54     "Number of transmitted packets"
55   REFERENCE
56     "IEEE Std 802.20-2008, Subclause 8.6.5.5.2.2 (F-DCH TX Associated
57     with Persistent Assignments), Subclause 8.6.5.5.2.3 (F-DCH TX
58     Associated with Non-Persistent Assignments and Residual Resource
59     Assignments), and Subclause 8.6.5.5.2.4 (F-DCH TX Associated with
60     Group Resource Assignments)"
61  ::= { dot20CmnLMACPacketStatsEntry 3 }
62
63 dot20CmnRevRxPacketCounts OBJECT-TYPE
64   SYNTAX      Counter64
65   MAX-ACCESS  read-only
66   STATUS      current
67   DESCRIPTION
68     "Number of received packets"

```

```

1      REFERENCE
2          "IEEE Std 802.20-2008,
3              Subclause 8.6.5.5.1.2.2 (AT Processing for Non-Persistent
4              Assignments),
5                  Subclause 8.6.5.5.1.2.3 (AT Processing for Residual Resource
6              Assignments),
7                  Subclause 8.6.5.5.1.2.4 (AT Processing for Group Resource
8              Assignments)"
9          ::= { dot20CmnLMACPacketStatsEntry 4 }
10
11 dot20CmnLMACStatsTable OBJECT-TYPE
12     SYNTAX      SEQUENCE OF Dot20CmnLMACStatsEntry
13     MAX-ACCESS  not-accessible
14     STATUS      current
15     DESCRIPTION
16         "This table provides one row of Lower MAC protocol statistics
17             per 802.20 interface and packet formats."
18         ::= { dot20CmnLowerMAC 2 }
19
20 dot20CmnLMACStatsEntry OBJECT-TYPE
21     SYNTAX      Dot20CmnLMACStatsEntry
22     MAX-ACCESS  not-accessible
23     STATUS      current
24     DESCRIPTION
25         "An Entry (conceptual row) in the LMACStats table. This table
26             is indexed by IfIndex, PacketFormatIndex."
27     INDEX
28         { ifIndex, dot20CmnPacketFormatIndex }
29         ::= { dot20CmnLMACStatsTable 1 }
30
31 dot20CmnFLABCounts OBJECT-TYPE
32     SYNTAX      Counter64
33     MAX-ACCESS  read-only
34     STATUS      current
35     DESCRIPTION
36         "Number of Forward Link Assignment Blocks"
37     REFERENCE
38         "IEEE Std 802.20-2008, Table 44 (F-SCCH Blocks), and Subclause
39             8.5.5.4.1.2 (Framing of F-SCCH Blocks)"
40         ::= { dot20CmnLMACStatsEntry 1 }
41
42 dot20CmnRLABCounts OBJECT-TYPE
43     SYNTAX      Counter64
44     MAX-ACCESS  read-only
45     STATUS      current
46     DESCRIPTION
47         "Number of Reverse Link Assignment Block"
48     REFERENCE
49         "IEEE Std 802.20-2008, Table 44 (F-SCCH Blocks), and Subclause
50             8.5.5.4.1.2 (Framing of F-SCCH Blocks), and Subclause
51                 8.5.5.3.1.1.3.3 (RLAB)"
52         ::= { dot20CmnLMACStatsEntry 2 }
53
54 dot20CmnAccessGrantCounts OBJECT-TYPE
55     SYNTAX      Counter64
56     MAX-ACCESS  read-only
57     STATUS      current
58     DESCRIPTION
59         "Number of Access Grants (the number of times the indication
60             ForwardLinkControlSegmentMAC.AccessGrantSent is raised)"
61     REFERENCE
62         "IEEE Std 802.20-2008, Subclause 8.5.5.4.1.1.3.1.1 (Procedures
63             for Sending an Access Grant)"
64         ::= { dot20CmnLMACStatsEntry 3 }
65
66 dot20Conformance OBJECT IDENTIFIER ::= { ieee802dot20 4 }
67
68 dot20Groups OBJECT IDENTIFIER ::= { dot20Conformance 1 }

```

```

1  dot20CmnSessionMgtPGroup OBJECT-GROUP
2      OBJECTS
3          { dot20CmnSessionCloseCounts, dot20CmnSessionFailureCounts,
4              dot20CmnSessionOpenCounts }
5      STATUS        current
6      DESCRIPTION
7          "The session management protocol statistics"
8          ::= { dot20Groups 1 }

10     dot20CmnKeyExchangePGroup OBJECT-GROUP
11         OBJECTS
12             { dot20CmnKeyExchangeAttemptCounts,
13                 dot20CmnKeyExchangeFailureCounts }
14         STATUS        current
15         DESCRIPTION
16             "The key exchange protocol statistics"
17             ::= { dot20Groups 4 }

19     dot20CmnConnectedStatePGroup OBJECT-GROUP
20         OBJECTS
21             { dot20CmnActiveConnectionCounts,
22                 dot20CmnConnectionAttemptCounts, dot20CmnConnectionDropCounts,
23                 dot20CmnConnectionFailureCounts, dot20CmnConnectionReleaseCounts
24             }
25         STATUS        current
26         DESCRIPTION
27             "The connected state protocol statistics"
28             ::= { dot20Groups 5 }

30     dot20CmnRadioLinkGroup OBJECT-GROUP
31         OBJECTS
32             { dot20CmnActiveReservationsCounts,
33                 dot20CmnIdleReservationsCounts, dot20CmnReservationCloseCounts,
34                 dot20CmnReservationFailCounts, dot20CmnReservationOpenCounts,
35                 dot20CmnRevRxPacketCounts, dot20CmnRlpReTxBytes,
36                 dot20CmnRlpReTxPackets, dot20CmnRlpRxBytes,
37                 dot20CmnRlpRxPackets, dot20CmnRlpRxStatus,
38                 dot20CmnRlpTxACKTimeouts, dot20CmnRlpTxBytes,
39                 dot20CmnRlpTxDropBytes, dot20CmnRlpTxNAKTimeouts,
40                 dot20CmnRlpTxPackets, dot20CmnRlpTxStatus,
41                 dot20CmnRlpTxrDropPackets }
42         STATUS        current
43         DESCRIPTION
44             "The radio link layer statistics"
45             ::= { dot20Groups 7 }

47     dot20CmnAuthGroup OBJECT-GROUP
48         OBJECTS
49             { dot20CmnAuthFailureCounts, dot20CmnAuthSuccessCounts }
50         STATUS        current
51         DESCRIPTION
52             "The authentication protocol statistics"
53             ::= { dot20Groups 8 }

55     dot20CmnLowerMACGroup OBJECT-GROUP
56         OBJECTS
57             { dot20CmnAccessGrantCounts, dot20CmnFLABCounts,
58                 dot20CmnFwdTxPacketCounts, dot20CmnRLABCounts,
59                 dot20CmnRevRxPacketCounts }
60         STATUS        current
61         DESCRIPTION
62             "The lower mac sublayer statistics"
63             ::= { dot20Groups 9 }

65     dot20AnIdleStatePGroup OBJECT-GROUP
66         OBJECTS
67             { dot20AnAccessAttemptCounts, dot20AnAccessAttemptFailCounts,
68

```

```

1      dot20AnPageAttemptCounts, dot20AnPageFailureCounts }
2      STATUS        current
3      DESCRIPTION
4          "The An idle state protocol statistics"
5      ::= { dot20Groups 10 }

6      dot20AnOverheadGroup OBJECT-GROUP
7      OBJECTS
8          { dot20An16QamScchT2PRatio, dot20AnAccessCycleDuration,
9              dot20AnAccessRetryPersistence0, dot20AnAccessRetryPersistence1,
10             dot20AnAccessRetryPersistence2, dot20AnAccessRetryPersistence3,
11             dot20AnAccessRetryPersistence4, dot20AnAccessRetryPersistence5,
12             dot20AnAccessRetryPersistence6, dot20AnAccessRetryPersistence7,
13             dot20AnAckInterferenceOffset, dot20AnAnGroupId,
14             dot20AnAssignmentAckHARQTx, dot20AnBRCHSubzoneCyclingEnabled,
15             dot20AnBandClass, dot20AnCBNumGuardSubcarriers,
16             dot20AnCDMAInterlacesBitmap, dot20AnCQIPilotTransmitPower,
17             dot20AnCdmaSubSegmentNum, dot20AnCellGroupId, dot20AnCellNullID,
18             dot20AnChannelBandAccessHashMask, dot20AnChannelBandRef,
19             dot20AnChannelBandShortId, dot20AnChannelNumber,
20             dot20AnCommonPilotTransmitPower, dot20AnCpichHoppingMode,
21             dot20AnCtrlAccessOffset, dot20AnCyclicPrefixLength,
22             dot20AnEffectiveTransmitPower, dot20AnEnableExpandedQPCH,
23             dot20AnErasureTargetCtoI0, dot20AnErasureTargetCtoI1,
24             dot20AnErasureTargetCtoI2, dot20AnErasureTargetCtoI3,
25             dot20AnFACKBandwidthFactor, dot20AnFFTSize,
26             dot20AnFDPICHCodeOffsetSubtree0, dot20AnFDPICHCodeOffsetSubtree1,
27             dot20AnFDPICHCodeOffsetSubtree2, dot20AnFDPICHCodeOffsetSubtree3,
28             dot20AnFLReservedInterlaces, dot20AnFastIoTEnabled,
29             dot20AnFastOSIEnabled, dot20AnFlIotReportInterval,
30             dot20AnFlPcReportInterval, dot20AnFlPqiReportInterval,
31             dot20AnFlSdmaNumSubtrees, dot20AnFlSubzoneSize,
32             dot20AnHalfDuplexModeSupported, dot20AnHalfDuplexSupported,
33             dot20AnIfChannelBandRef, dot20AnLatitude, dot20AnLeapSeconds,
34             dot20AnLocalTimeOffset, dot20AnLongitude, dot20AnMacIdRange,
35             dot20AnMax16QamScchBlocks, dot20AnMaxNumLABs, dot20AnMaxNumSharedLABs,
36             dot20AnMaxProbesPerSequence, dot20AnMinScchResourceIndex,
37             dot20AnMobileCountryCode, dot20AnMobileNetworkCode,
38             dot20AnNeighborPilotID, dot20AnNeighborChannelShortID,
39             dot20AnNeighborSameANASPrimSect, dot20AnNeighborSectorCellGroupId,
40             dot20AnNeighborSectorPilotGrpId, dot20AnNeighborChannelBandRef,
41             dot20AnNeighborSectorPointer, dot20AnNeighborSynchGroupId,
42             dot20AnNeighborEffTransmitPower, dot20AnNumAckableLABs,
43             dot20AnNumCmnPilotTxAnt, dot20AnNumCommonSegmentHopPorts,
44             dot20AnNumDRCHSubzones, dot20AnNumEffectiveAntennas,
45             dot20AnNumFLReservedSubzones,
46             dot20AnNumGuardSubcarriers, dot20AnNumLABSegments,
47             dot20AnNumOdcchReports, dot20AnNumRLCdmaSubsegments,
48             dot20AnNumResourceSubzones, dot20AnNumSilenceIntervalSubzone,
49             dot20AnOpenLoopAdjust, dot20AnOsiResponseMode,
50             dot20AnPdCabResSharingEnabled, dot20AnPilotGroupId, dot20AnPilotID,
51             dot20AnPilotThreshold1, dot20AnPilotThreshold2,
52             dot20AnPrimaryRegZoneCode, dot20AnProbeRampUpStepSize,
53             dot20AnRabEnabled, dot20AnRackBandwidthFactor,
54             dot20AnReqQoSPowerBoost, dot20AnResourceChannelMuxMode,
55             dot20AnResourceSetBitmap, dot20AnResourceSetSubZoneSpacing,
56             dot20AnResourceSubzoneOffset, dot20AnReverseChannelBandClass,
57             dot20AnReverseChannelNumber, dot20AnR1AuxPilotPower,
58             dot20AnR1DpichCodeOffsetSubtree0, dot20AnR1DpichCodeOffsetSubtree1,
59             dot20AnR1DpichCodeOffsetSubtree2, dot20AnR1DpichCodeOffsetSubtree3,
60             dot20AnR1NumSdmaDimensions, dot20AnModSymbolsPerQPSKLAB,
61             dot20AnSFNCellID, dot20AnSecRegZoneCode, dot20AnSectorID,
62             dot20AnSilenceIntervalDuration, dot20AnSilenceIntervalPeriod,
63             dot20AnSinglePAForXCarriers, dot20AnSlowInterferenceOffset,
64             dot20AnSupportedIpsi, dot20AnSynchronousGroupId, dot20AnSystemType,
65             dot20AnTechNghbrListLength, dot20AnTechnologyNeighborList,
66             dot20AnTechnologyType, dot20AnTotalNumSubcarriers,
67             dot20AnUseDrchForFlcs, dot20AnR1SubzoneSize }
```

```

1      STATUS      current
2      DESCRIPTION "The overhead messages protocol configuration"
3      ::= { dot20Groups 11 }
4
5      dot20AnOverheadGroup2 OBJECT-GROUP
6          OBJECTS
7              { dot20AnChannelBandStatus, dot20AnIpsiRowStatus,
8                  dot20AnNeighborRowStatus, dot20AnNeighborSectorStatus,
9                  dot20AnOtherTechNghbrRowStatus, dot20AnResourceSetRowStatus,
10                 dot20AnSecondaryRegZoneRowStatus,
11                 dot20AnSectorCdmaSubSegRowStatus, dot20AnSectorConfigRowStatus,
12                 dot20AnSectorExtChanRowStatus, dot20AnSectorParamRowStatus }
13             STATUS      current
14             DESCRIPTION
15                 "If the MIB is created with pre-configured sector list tables and
16                 neighbor list tables, this Overhead Group is unnecessary. Otherwise,
17                 these items are used to add rows to these tables in the MIB, so
18                 that additional sectors and/or neighbors can be added after MIB
19                 creation, through SNMPv2."
20             ::= { dot20Groups 12 }
21
22     dot20Compliances OBJECT IDENTIFIER ::= { dot20Conformance 2 }
23
24     dot20AnCompliance MODULE-COMPLIANCE
25         STATUS      current
26         DESCRIPTION
27             "The compliance statement for SNMPv2 entities that implement
28             the IEEE 802.20 MIB for the An."
29         MODULE      IEEE802dot20-MIB
30         MANDATORY-GROUPS
31             { dot20AnIdleStatePGroup, dot20AnOverheadGroup,
32                 dot20CmnAuthGroup, dot20CmnConnectedStatePGroup,
33                 dot20CmnKeyExchangePGroup, dot20CmnLowerMACGroup,
34                 dot20CmnRadioLinkGroup, dot20CmnSessionMgtPGroup }
35         GROUP      dot20AnOverheadGroup2
36         DESCRIPTION
37             "This group is required only if 'dynamic assignment' of
38             rows in the OverheadGroup tables is supported."
39         ::= { dot20Compliances 1 }
40
41     END
42

```