

Project	IEEE 802.20 Working Group on Mobile Broadband Wireless Access	
Title	Preliminary Updated 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 updates the draft enhanced MIB chapter for IEEE 802.20 Wideband Mode proposed in September, 2008. Edits reflect discussions during the September meeting, and include text improvements, use of 802.20 requirements language in a consistent way, and a partial review of the REFERENCES clauses. This is a work in progress, and is for review of the working group prior to the November, 2008 meeting.	
Purpose	For early review of the working group.	
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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 [Figure 1](#) ~~Error! Reference source~~
15 ~~not found~~, and the layering architecture for the air interface ~~in Error! Reference source not~~
16 ~~found~~. [Figure 2](#). The 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~~ provides mobile broadband wireless access. As
25 such, improper manipulation of the objects represented by this MIB ~~may can~~ result in denial of
26 service to a 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 could~~ allow an attacker to boost power and violate local regulatory laws

(e.g. FCC licensing in the USA) by transmitting excessive power into a licensed band. This ~~may~~ could also lead to excessive sideband emissions in adjacent bands.

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

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

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

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

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

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

1.4 IANA Considerations

No IANA actions are required by this document.

1.5 Definition

```
IEEE802dot20-MIB DEFINITIONS ::= BEGIN
IMPORTS
    ifIndex
```

```

1      FROM IF-MIB
2      MODULE-COMPLIANCE, OBJECT-GROUP
3      FROM SNMPv2-CONF
4      Counter32, Counter64, Integer32, MODULE-IDENTITY, OBJECT-IDENTITY,
5      OBJECT-TYPE, transmission
6      FROM SNMPv2-SMI
7      RowPointer, RowStatus, TEXTUAL-CONVENTION, TruthValue
8      FROM SNMPv2-TC
9      ;
10
11     ieee802dot20 MODULE-IDENTITY
12     | LAST-UPDATED "20081105300319481622ZPDT" -- May-November 3003, 2008
13     ORGANIZATION
14         "IEEE 802.20"
15     CONTACT-INFO
16         "Contact: IEEE 802.20 Working Group
17         Postal:
18
19         Tel:
20         Fax:
21         E-mail: "
22     DESCRIPTION
23         "The MIB module for IEEE 802.20 entities.
24         (The transmission oid used for this MIB needs to be updated
25         when a valid one is obtained from IANA along with the new
26         802.20 ifType)"
27     ::= { transmission 9999 }
28
29     Dot20AnChannelBandsEntry ::= SEQUENCE
30     {
31         dot20AnChannelBandIndex      Integer32,
32         dot20AnSystemType            Integer32,
33         dot20AnBandClass             Integer32,
34         dot20AnChannelNumber        Integer32,
35         dot20AnHalfDuplexSupported   TruthValue,
36         dot20AnReverseChannelBandClass Integer32,
37         dot20AnReverseChannelNumber Integer32,
38         dot20AnCyclicPrefixLength    Integer32,
39         dot20AnFFTSize              Integer32,
40         dot20AnCBNumGuardSubcarriers Integer32,
41         dot20AnChannelBandShortId    Integer32,
42         dot20AnChannelBandAccessHashMask Integer32,
43         dot20AnChannelBandStatus     RowStatus
44     }
45
46     Dot20AnIdleStateStatsEntry ::= SEQUENCE
47     {
48         dot20AnAccessAttemptCounts   Counter32,
49         dot20AnAccessAttemptFailCounts Counter32,
50         dot20AnPageAttemptCounts     Counter32,
51         dot20AnPageFailureCounts     Counter32
52     }
53
54     Dot20AnNeighborListEntry ::= SEQUENCE
55     {
56         dot20AnNeighborIndex         Integer32,
57         dot20AnNeighborSectorPointer RowPointer,
58         dot20AnNeighborRowStatus     RowStatus
59     }
60
61     Dot20AnNeighborSectorsEntry ::= SEQUENCE
62     {
63         dot20AnNeighborSectorIndex   Integer32,
64         dot20AnNeighborPilotID       Integer32,
65         dot20AnNeighborEffTransmitPower Integer32,
66         dot20AnNeighborChannelBandRef Integer32,
67         dot20AnNeighborChannelShortID Integer32,
68         dot20AnNeighborSameANAsPrimSect TruthValue,

```

```

1      dot20AnNeighborSectorPilotGrpId Integer32,
2      dot20AnNeighborSynchGroupId Integer32,
3      dot20AnNeighborSectorCellGroupId Integer32,
4      dot20AnNeighborSectorStatus RowStatus
5  }
6
7  Dot20AnOtherTechNghbrsEntry ::= SEQUENCE
8  {
9      dot20AnOtherTechnologyIndex Integer32,
10     dot20AnTechnologyType Integer32,
11     dot20AnTechNghbrListLength Integer32,
12     dot20AnTechnologyNeighborList OCTET STRING,
13     dot20AnOtherTechNghbrRowStatus RowStatus
14 }
15
16 Dot20AnSecondaryRegZoneCodeEntry ::= SEQUENCE
17 {
18     dot20AnSecondaryRegZoneCodeIndex Integer32,
19     dot20AnSecRegZoneCode Integer32,
20     dot20AnSecondaryRegZoneRowStatus RowStatus
21 }
22
23 Dot20AnSectorCdmaSubSegEntry ::= SEQUENCE
24 {
25     dot20AnInterlaceId Integer32,
26     dot20AnCdmaSubSegmentNum Integer32,
27     dot20AnSectorCdmaSubSegRowStatus RowStatus
28 }
29
30 Dot20AnSectorConfigEntry ::= SEQUENCE
31 {
32     dot20AnTotalNumSubcarriers Integer32,
33     dot20AnNumGuardSubcarriers Integer32,
34     dot20AnFlSubzoneSize Integer32,
35     dot20AnResourceChannelMuxMode Integer32,
36     dot20AnNumDRCHSubzones Integer32,
37     dot20AnFLReservedInterlaces INTEGER,
38     dot20AnNumFLReservedSubzones Integer32,
39     dot20AnCpichHoppingMode Integer32,
40     dot20AnNumEffectiveAntennas Integer32,
41     dot20AnNumCommonSegmentHopPorts Integer32,
42     dot20AnNumLABSegments Integer32,
43     dot20AnMinScchResourceIndex Integer32,
44     dot20AnSinglePAForXCarriers Integer32,
45     dot20AnFlSdmaNumSubtrees Integer32,
46     dot20AnFDPICHCodeOffsetSubtree0 Integer32,
47     dot20AnFDPICHCodeOffsetSubtree1 Integer32,
48     dot20AnFDPICHCodeOffsetSubtree2 Integer32,
49     dot20AnFDPICHCodeOffsetSubtree3 Integer32,
50     dot20AnNumCmnPilotTxAnt Integer32,
51     dot20AnModSymbolsPerQPSKLAB Integer32,
52     dot20AnUseDrchForFlcs Integer32,
53     dot20AnEnableExpandedQPCH TruthValue,
54     dot20AnSectorConfigRowStatus RowStatus
55 }
56
57 Dot20AnSectorExtChanInfoEntry ::= SEQUENCE
58 {
59     dot20AnPilotID Integer32,
60     dot20AnHalfDuplexModeSupported TruthValue,
61     dot20AnFACKBandwidthFactor Integer32,
62     dot20AnSFNCellID Integer32,
63     dot20AnCellNullID Integer32,
64     dot20AnMaxNumSharedLABs Integer32,
65     dot20AnMaxNumLABs Integer32,
66     dot20AnMax16QamScchBlocks Integer32,
67     dot20AnPdCabResSharingEnabled TruthValue,
68     dot20AnNumAckableLABs Integer32,

```

```

1      dot20An16QamScchT2PRatio      INTEGER,
2      dot20AnEffectiveTransmitPower Integer32,
3      dot20AnAssignmentAckHARQTx    Integer32,
4      dot20AnCQIPilotTransmitPower Integer32,
5      dot20AnCommonPilotTransmitPower Integer32,
6      dot20AnCDMAInterlacesBitmap   Integer32,
7      dot20AnNumOdcchReports         Integer32,
8      dot20AnNumRLCdmaSubsegments    Integer32,
9      dot20AnRackBandwidthFactor     Integer32,
10     dot20AnRlNumSdmaDimensions     Integer32,
11     dot20AnRlDpichCodeOffsetSubtree0 Integer32,
12     dot20AnRlDpichCodeOffsetSubtree1 Integer32,
13     dot20AnRlDpichCodeOffsetSubtree2 Integer32,
14     dot20AnRlDpichCodeOffsetSubtree3 Integer32,
15     dot20AnRlSubzoneSize           Integer32,
16     dot20AnSilenceIntervalPeriod   Integer32,
17     dot20AnSilenceIntervalDuration Integer32,
18     dot20AnNumSilenceIntervalSubzone Integer32,
19     dot20AnAckInterferenceOffset   Integer32,
20     dot20AnMacIdRange              INTEGER,
21     dot20AnFlPcReportInterval      Integer32,
22     dot20AnFlPqiReportInterval     Integer32,
23     dot20AnFlIotReportInterval     Integer32,
24     dot20AnFastIoTEEnabled         TruthValue,
25     dot20AnFastOSIEnabled         TruthValue,
26     dot20AnRabEnabled              TruthValue,
27     dot20AnOsiResponseMode         INTEGER,
28     dot20AnSlowInterferenceOffset  Integer32,
29     dot20AnCtrlAccessOffset        Integer32,
30     dot20AnRlAuxPilotPower         Integer32,
31     dot20AnReqQoSPowerBoost        Integer32,
32     dot20AnErasureTargetCtoI0     Integer32,
33     dot20AnErasureTargetCtoI1     Integer32,
34     dot20AnErasureTargetCtoI2     Integer32,
35     dot20AnErasureTargetCtoI3     Integer32,
36     dot20AnAccessCycleDuration     Integer32,
37     dot20AnMaxProbesPerSequence    Integer32,
38     dot20AnProbeRampUpStepSize     Integer32,
39     dot20AnPilotThreshold1         Integer32,
40     dot20AnPilotThreshold2        Integer32,
41     dot20AnOpenLoopAdjust          Integer32,
42     dot20AnAccessRetryPersistence0 Integer32,
43     dot20AnAccessRetryPersistence1 Integer32,
44     dot20AnAccessRetryPersistence2 Integer32,
45     dot20AnAccessRetryPersistence3 Integer32,
46     dot20AnAccessRetryPersistence4 Integer32,
47     dot20AnAccessRetryPersistence5 Integer32,
48     dot20AnAccessRetryPersistence6 Integer32,
49     dot20AnAccessRetryPersistence7 Integer32,
50     dot20AnSectorExtChanRowStatus  RowStatus
51 }
52
53 Dot20AnSectorGrpResSetsEntry ::= SEQUENCE
54 {
55     dot20AnResourceSetId           Integer32,
56     dot20AnResourceSetBitmap       Integer32,
57     dot20AnBRCHSubzoneCyclingEnabled TruthValue,
58     dot20AnResourceSetSubZoneSpacing Integer32,
59     dot20AnNumResourceSubzones     Integer32,
60     dot20AnResourceSubzoneOffset   Integer32,
61     dot20AnResourceSetRowStatus    RowStatus
62 }
63
64 Dot20AnSectorIpsiEntry ::= SEQUENCE
65 {
66     dot20AnIpsiIndex               Integer32,
67     dot20AnSupportedIpsi           Integer32,
68     dot20AnIpsiRowStatus           RowStatus

```

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1 }
2
3 Dot20AnSectorParamEntry ::= SEQUENCE
4 {
5     dot20AnMobileCountryCode      Integer32,
6     dot20AnMobileNetworkCode      Integer32,
7     dot20AnSectorID                OCTET STRING,
8     dot20AnChannelBandRef          Integer32,
9     dot20AnLatitude                Integer32,
10    dot20AnLongitude               Integer32,
11    dot20AnLeapSeconds              Integer32,
12    dot20AnLocalTimeOffset          Integer32,
13    dot20AnPrimaryRegZoneCode      Integer32,
14    dot20AnAnGroupId                Integer32,
15    dot20AnPilotGroupId             Integer32,
16    dot20AnSynchronousGroupId      Integer32,
17    dot20AnCellGroupId              Integer32,
18    dot20AnSectorParamRowStatus    RowStatus
19 }
20
21 Dot20AnSectorToIfIndexEntry ::= SEQUENCE
22 {
23     dot20AnIfChannelBandRef Integer32
24 }
25
26 Dot20CmnAuthStatsEntry ::= SEQUENCE
27 {
28     dot20CmnAuthFailureCounts Counter64,
29     dot20CmnAuthSuccessCounts Counter64
30 }
31
32 Dot20CmnLMACPacketStatsEntry ::= SEQUENCE
33 {
34     dot20CmnPacketFormatIndex Integer32,
35     dot20CmnARQAttemptsIndex Integer32,
36     dot20CmnFwdTxPacketCounts Counter64,
37     dot20CmnRevRxPacketCounts Counter64
38 }
39
40 Dot20CmnLMACStatsEntry ::= SEQUENCE
41 {
42     dot20CmnFLABCounts Counter64,
43     dot20CmnRLABCounts Counter64,
44     dot20CmnAccessGrantCounts Counter64
45 }
46
47 Dot20CmnQmpStatsEntry ::= SEQUENCE
48 {
49     dot20CmnActiveReservationsCounts Counter64,
50     dot20CmnIdleReservationsCounts Counter64,
51     dot20CmnReservationOpenCounts Counter64,
52     dot20CmnReservationCloseCounts Counter64,
53     dot20CmnReservationFailCounts Counter64
54 }
55
56 Dot20CmnRlpStatsEntry ::= SEQUENCE
57 {
58     dot20CmnStreamId Integer32,
59     dot20CmnRlpTxBytes Counter64,
60     dot20CmnRlpReTxBytes Counter64,
61     dot20CmnRlpTxDropBytes Counter64,
62     dot20CmnRlpTxStatus Counter64,
63     dot20CmnRlpRxBytes Counter64,
64     dot20CmnRlpRxStatus Counter64,
65     dot20CmnRlpTxPackets Counter64,
66     dot20CmnRlpReTxPackets Counter64,
67     dot20CmnRlpTxrDropPackets Counter64,
68     dot20CmnRlpRxPackets Counter64,

```

```

1      dot20CmnRlpTxNAKTimeouts Counter64,
2      dot20CmnRlpTxACKTimeouts Counter64
3  }
4
5  dot20An OBJECT-IDENTITY
6      STATUS      current
7      DESCRIPTION
8          "AN specific configuration and statistics."
9      ::= { ieee802dot20 1 }
10
11 dot20AnMac OBJECT-IDENTITY
12     STATUS      current
13     DESCRIPTION
14         "MAC layer objects"
15     ::= { dot20An 1 }
16
17 dot20AnConnectionControl OBJECT IDENTIFIER ::= { dot20AnMac 3 }
18
19 dot20AnIdleState OBJECT IDENTIFIER ::= { dot20AnConnectionControl 1 }
20
21 dot20AnIdleStateStatsTable OBJECT-TYPE
22     SYNTAX      SEQUENCE OF Dot20AnIdleStateStatsEntry
23     MAX-ACCESS  not-accessible
24     STATUS      current
25     DESCRIPTION
26         "This table provides one row of Idle State protocol statistics
27         per 802.20 interface (i.e. sector for a specific ChannelBand)
28         and carrier."
29     ::= { dot20AnIdleState 1 }
30
31 dot20AnIdleStateStatsEntry OBJECT-TYPE
32     SYNTAX      Dot20AnIdleStateStatsEntry
33     MAX-ACCESS  not-accessible
34     STATUS      current
35     DESCRIPTION
36         "An Entry (conceptual row) in the IdleStateStats table. This
37         table is indexed by ifIndex and CarrierID(see 11.5.5.8). ifIndex:
38 | Each IEEE
39     802.20 interface (uniquely identified by SectorID) is
40     represented by an ifEntry. In the case of a multicarrier
41     Sector, the carrierID identifies one specific carrier."
42     REFERENCE
43         "IEEE Std. 802.20-2008, Subclause 8.4 (Access Channel MAC
44         Protocol)"
45     INDEX
46         { ifIndex }
47     ::= { dot20AnIdleStateStatsTable 1 }
48
49 dot20AnAccessAttemptCounts OBJECT-TYPE
50     SYNTAX      Counter32
51     MAX-ACCESS  read-only
52     STATUS      current
53     DESCRIPTION
54         "Number of Access Attempts among all Terminals"
55     REFERENCE
56         "IEEE Std. 802.20-2008, Subclause 8.4.5.5.2,
57         (Access Channel MAC Protocol / AN Requirements)"
58     ::= { dot20AnIdleStateStatsEntry 1 }
59
60 dot20AnAccessAttemptFailCounts OBJECT-TYPE
61     SYNTAX      Counter32
62     MAX-ACCESS  read-only
63     STATUS      current
64     DESCRIPTION
65         "Number of Failed Access Attempts among all Terminals.
66         Incremented when access RLAB is not used by a terminal."
67     REFERENCE
68         "IEEE Std. 802.20-2008, Subclause 11.5.4.3.2 (BindATI), and

```

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1      Subclause 11.2.4.6.2.1 (issuing ConnectedState.Deactivate)"
2      ::= { dot20AnIdleStateStatsEntry 2 }
3
4  dot20AnPageAttemptCounts OBJECT-TYPE
5      SYNTAX      Counter32
6      MAX-ACCESS  read-only
7      STATUS      current
8      DESCRIPTION
9          "Number of Page Attempts"
10     REFERENCE
11     | "IEEE Std. 802.20-2008, Subclause 8.3.5.8—(TX and RX of F-QPCH
12     | —Physical Layer), and Table 208 (RouteOpenRequestReason encoding)"
13     ::= { dot20AnIdleStateStatsEntry 3 }
14
15  dot20AnPageFailureCounts OBJECT-TYPE
16      SYNTAX      Counter32
17      MAX-ACCESS  read-only
18      STATUS      current
19      DESCRIPTION
20          "Number of Failed Page Attempts"
21     REFERENCE
22     | "IEEE Std. 802.20-2008, Subclause 8.3.5.8—(TX and RX of F-QPCH
23     | —Physical Layer), and Table 208-358 (RouteOpenRequestReason encoding)"
24     ::= { dot20AnIdleStateStatsEntry 4 }
25
26  dot20AnOverheadMessages OBJECT IDENTIFIER ::= { dot20AnConnectionControl 4 }
27
28  dot20AnSectorConfigTable OBJECT-TYPE
29      SYNTAX      SEQUENCE OF Dot20AnSectorConfigEntry
30      MAX-ACCESS  not-accessible
31      STATUS      current
32      DESCRIPTION
33          "This table provides one row per 802.20 interface, i.e. sector
34          for a specific ChannelBand. This table's attributes specify the
35          configuration of the corresponding sector, and can be used to
36          populate fields in SystemInfo block and QuickChannelInfo
37          message, which are transmitted by the Overhead Messages Protocol."
38      ::= { dot20AnOverheadMessages 1 }
39
40  dot20AnSectorConfigEntry OBJECT-TYPE
41      SYNTAX      Dot20AnSectorConfigEntry
42      MAX-ACCESS  not-accessible
43      STATUS      current
44      DESCRIPTION
45          "An Entry (conceptual row) in the SectorConfig table. This
46          table is indexed by IfIndex. ifIndex: Each IEEE 802.20
47          interface (uniquely identified by SectorID) is represented by
48          an ifEntry."
49     REFERENCE
50     | "IEEE Std. 802.20-2008, Subclause 11.6 (Overhead Messages Protocol)"
51     INDEX
52     | { ifIndex }
53     ::= { dot20AnSectorConfigTable 1 }
54
55  dot20AnTotalNumSubcarriers OBJECT-TYPE
56      SYNTAX      Integer32 (0..7)
57      MAX-ACCESS  read-write
58      STATUS      current
59      DESCRIPTION
60          "This parameter takes the value 2^(7+n), where n is the
61          value of the 3 bit field. This field is not to be set to a
62          value of 5 or above."
63     REFERENCE
64     | "IEEE Std. 802.20-2008, Subclause 11.6.5.2 (SystemInfo Block)"
65     ::= { dot20AnSectorConfigEntry 29 }
66
67  dot20AnNumGuardSubcarriers OBJECT-TYPE
68      SYNTAX      Integer32 (0..7)

```

```

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

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Formatted: German (Germany)

```

1 REFERENCE
2 | "IEEE Std. 802.20-2008, Table 193-285 (Interpretation of FL
3   Reserved Interlaces), Subclause 11.6.5.2"
4 ::= { dot20AnSectorConfigEntry 34 }
5
6 dot20AnNumFLReservedSubzones OBJECT-TYPE
7 SYNTAX      Integer32 (0..15)
8 MAX-ACCESS  read-write
9 STATUS      current
10 DESCRIPTION
11   "This field determines the number of subzones that are reserved
12   on each interlace that contains reserved bandwidth"
13 REFERENCE
14   "IEEE Std. 802.20-2008, Subclause 11.6.5.2 (SystemInfo Block)"
15 ::= { dot20AnSectorConfigEntry 35 }
16
17 dot20AnCpichHoppingMode OBJECT-TYPE
18 SYNTAX      Integer32 (0..1)
19 MAX-ACCESS  read-write
20 STATUS      current
21 DESCRIPTION
22   "This field is set to 0 for deterministic, and 1 for
23   random hopping"
24 REFERENCE
25   "IEEE Std 802.20-2008 Subclause 11.6.5.3 (QuickChannelInfo Block)"
26 ::= { dot20AnSectorConfigEntry 36 }
27
28 dot20AnNumEffectiveAntennas OBJECT-TYPE
29 SYNTAX      Integer32 (1..8)
30 MAX-ACCESS  read-write
31 STATUS      current
32 DESCRIPTION
33 | "This attribute determines the effective-number of
34 | effective antennas."
35 REFERENCE
36   "IEEE Std 802.20-2008 Subclause 11.6.5.3 (QuickChannelInfo Block)"
37 ::= { dot20AnSectorConfigEntry 37 }
38
39 dot20AnNumCommonSegmentHopPorts OBJECT-TYPE
40 SYNTAX      Integer32 (0..7)
41 MAX-ACCESS  read-write
42 STATUS      current
43 DESCRIPTION
44 | "This attribute determines the number of common segment
45 | hop ports encoded as described in the AIS."
46 REFERENCE
47   "IEEE Std 802.20-2008 Subclause 11.6.5.3 (QuickChannelInfo Block)"
48 ::= { dot20AnSectorConfigEntry 38 }
49
50 dot20AnNumLABSegments OBJECT-TYPE
51 SYNTAX      Integer32 (0..7)
52 MAX-ACCESS  read-write
53 STATUS      current
54 DESCRIPTION
55   "This field indicates the number of LABSegments."
56 REFERENCE
57   "IEEE Std 802.20-2008 Subclause 11.6.5.3 (QuickChannelInfo Block)"
58 ::= { dot20AnSectorConfigEntry 39 }
59
60 dot20AnMinScchResourceIndex OBJECT-TYPE
61 SYNTAX      Integer32 (0..31)
62 MAX-ACCESS  read-write
63 STATUS      current
64 DESCRIPTION
65   "This parameter is in units of N_FFT/32 resources, and spans
66   from 0 to N_FFT -1"
67 REFERENCE
68   "IEEE Std 802.20-2008 Subclause 11.6.5.3 (QuickChannelInfo Block)"

```

```

1      ::= { dot20AnSectorConfigEntry 40 }
2
3  dot20AnSinglePAForXCarriers OBJECT-TYPE
4      SYNTAX      Integer32 (0..1)
5      MAX-ACCESS  read-write
6      STATUS      current
7      DESCRIPTION
8      | "This field determines the structure of F-BPICH (SinglePAForMultipleChannelBands)"
9      REFERENCE
10     | "IEEE Std 802.20-2008 Subclause 11.6.5.3 (QuickChannelInfo Block)"
11     ::= { dot20AnSectorConfigEntry 41 }
12
13  dot20AnFlSdmaNumSubtrees OBJECT-TYPE
14      SYNTAX      Integer32 (1..4)
15      MAX-ACCESS  read-write
16      STATUS      current
17      DESCRIPTION
18     | "This field determines the number of sub-trees on the
19     | forward link. \(FLNumSDMADimensions\)"
20     .
21     REFERENCE
22     | "IEEE Std 802.20-2008 Subclause 11.6.5.3 (QuickChannelInfo Block)"
23     ::= { dot20AnSectorConfigEntry 42 }
24
25  dot20AnFLDPICHCodeOffsetSubtreeIndex0 OBJECT-TYPE
26      SYNTAX      Integer32 (0..3)
27      MAX-ACCESS  read-write
28      STATUS      current
29      DESCRIPTION
30     | "This field is set to the corresponding valuecode offset for subtree
31     | 0. This subtree is always present, and is therefore not
32     | described in the overhead channels."
33     REFERENCE
34     | "IEEE Std 802.20-2008 Subclause 9.4.1.2.3.2 (Forward Dedicated
35     | Pilot Channel) and Subclause 11.6.5.4.1 \(ForwardChannelGroup\)"
36     ::= { dot20AnSectorConfigEntry 43 }
37
38  dot20AnFLDPICHCodeOffsetSubtreeIndex1 OBJECT-TYPE
39      SYNTAX      Integer32 (0..3)
40      MAX-ACCESS  read-write
41      STATUS      current
42      DESCRIPTION
43     | "This field is set to the corresponding valuecode offset for subtree
44     | 1"
45     REFERENCE
46     | "IEEE Std 802.20-2008 Subclause 9.4.1.2.3.2 (Forward Dedicated
47     | Pilot Channel), and Subclause 11.6.5.4.1 (ForwardChannelGroup)"
48     ::= { dot20AnSectorConfigEntry 44 }
49
50  dot20AnFLDPICHCodeOffsetSubtree2 OBJECT-TYPE
51      SYNTAX      Integer32 (0..3)
52      MAX-ACCESS  read-write
53      STATUS      current
54      DESCRIPTION
55     | "This field is set to the corresponding valuecode offset for subtree
56     | 2"
57     REFERENCE
58     | "IEEE Std 802.20-2008 Subclause 9.4.1.2.3.2 (Forward Dedicated
59     | Pilot Channel), and Subclause 11.6.5.4.1 (ForwardChannelGroup)"
60     ::= { dot20AnSectorConfigEntry 45 }
61
62  dot20AnFLDPICHCodeOffsetSubtreeIndex3 OBJECT-TYPE
63      SYNTAX      Integer32 (0..3)
64      MAX-ACCESS  read-write
65      STATUS      current
66      DESCRIPTION
67     | "This field is set to the corresponding code offset value for subtree

```

```

1         3"
2     REFERENCE
3         "IEEE Std 802.20-2008 Subclause 9.4.1.2.3.2 (Forward Dedicated
4         Pilot Channel), and Subclause 11.6.5.4.1 (ForwardChannelGroup)"
5     ::= { dot20AnSectorConfigEntry 46 }
6
7     dot20AnNumCmnPilotTxAnt OBJECT-TYPE
8     SYNTAX      Integer32 (1..4)
9     MAX-ACCESS  read-write
10    STATUS      current
11    DESCRIPTION
12    | "This attribute determines specifies the number of common pilot
13    | transmit antennas.— See NumEffectiveAntennas in spec."
14    REFERENCE
15    | "IEEE Std. 802.20-2008, Table 90 (NumEffectiveAntennas), Subclause
16    | 5.4.1.3.3.1-19.4.1.2.3.1.1 (Forward
17    | Common Pilot Channel Subcarriers), and Subclause 11.6.5.3
18    | (QuickChannelInfo Block)"
19    ::= { dot20AnSectorConfigEntry 47 }
20
21    dot20AnModSymbolsPerQPSKLAB OBJECT-TYPE
22    SYNTAX      Integer32 (0..4)
23    MAX-ACCESS  read-write
24    STATUS      current
25    DESCRIPTION
26    | "This field determines the number of modulation symbols
27    | for each block carried by the F-SCCH"
28    REFERENCE
29    | "IEEE Std. 802.20-2008, Table 189-287 (Interpretation of
30    | ModulationSymbolsPerQPSKLAB)"
31    ::= { dot20AnSectorConfigEntry 48 }
32
33    dot20AnUseDrchForFlcs OBJECT-TYPE
34    SYNTAX      Integer32 (0..1)
35    MAX-ACCESS  read-write
36    STATUS      current
37    DESCRIPTION
38    | "This field determines the hopping pattern on the FLCS. It is set to
39    | 1 if the hopping pattern is DRCH on the FLCS, and is set to 0 otherwise"
40    REFERENCE
41    | "IEEE Std. 802.20-2008, Subclause 11.6.5.3 (QuickChannelInfo
42    | Block)"
43    ::= { dot20AnSectorConfigEntry 49 }
44
45    dot20AnEnableExpandedQPCH OBJECT-TYPE
46    SYNTAX      TruthValue
47    MAX-ACCESS  read-write
48    STATUS      current
49    DESCRIPTION
50    | "This field determines the number of packets delivered to
51    | the Physical Layer by the MAC Layer"
52    REFERENCE
53    | "IEEE Std. 802.20-2008, Subclause 11.6.5.3 (QuickChannelInfo
54    | Block)"
55    ::= { dot20AnSectorConfigEntry 50 }
56
57    dot20AnSectorConfigRowStatus OBJECT-TYPE
58    SYNTAX      RowStatus
59    MAX-ACCESS  read-create
60    STATUS      current
61    DESCRIPTION
62    | "The status column used for creating, modifying, and deleting
63    | instances of the columnar objects in the SectorConfig Table. If
64    | the implementer of this MIB has chosen not to implement
65    | 'dynamic assignment' of sectors, this attribute is not
66    | useful applicable
67    | and should return noSuchName upon SNMP request."
68    DEFVAL      { active }

```

```

1      ::= { dot20AnSectorConfigEntry 78 }
2
3  dot20AnSectorExtChanInfoTable OBJECT-TYPE
4      SYNTAX      SEQUENCE OF Dot20AnSectorExtChanInfoEntry
5      MAX-ACCESS  not-accessible
6      STATUS      current
7      DESCRIPTION
8          "This table provides one row per 802.20 interface, i.e. sector
9          for a specific ChannelBand. This table's attributes specify the
10         configuration of the corresponding sector, and can be used to
11         populate fields in extendedChannelInfo message."
12     ::= { dot20AnOverheadMessages 2 }
13
14  dot20AnSectorExtChanInfoEntry OBJECT-TYPE
15      SYNTAX      Dot20AnSectorExtChanInfoEntry
16      MAX-ACCESS  not-accessible
17      STATUS      current
18      DESCRIPTION
19          "An Entry (conceptual row) in the SectorExtChanInfo table. This
20          table is indexed by IfIndex. ifIndex: Each IEEE 802.20
21          interface (uniquely identified by SectorID) is represented by
22          an ifEntry. The Extended Channel Info is transmitted by the
23          Overhead Messages Protocol."
24      REFERENCE
25          "IEEE Std. 802.20-2008, Subclause 11.6.5.4 (ExtendedChannelInfo)"
26      INDEX
27          { ifIndex }
28     ::= { dot20AnSectorExtChanInfoTable 1 }
29
30  dot20AnPilotID OBJECT-TYPE
31      SYNTAX      Integer32 (0..1023)
32      MAX-ACCESS  read-write
33      STATUS      current
34      DESCRIPTION
35          "This attribute is set to the PilotID of the sector."
36      REFERENCE
37          "IEEE Std. 802.20-2008, Subclause 5-3-2-19.2.2.2.3 (PilotPN and
38  PilotPhasePilotID and SectorSeed)"
39     ::= { dot20AnSectorExtChanInfoEntry 1 }
40
41  dot20AnHalfDuplexModeSupported OBJECT-TYPE
42      SYNTAX      TruthValue
43      MAX-ACCESS  read-write
44      STATUS      current
45      DESCRIPTION
46          "This attribute is set to True if the access network
47          supports half duplex terminals, and is set to False
48          otherwise. If half-duplex terminals are supported, the access
49          network should assign MAC IDs and channel assignments in a
50          manner that enables half-duplex terminal operation. A
51          half-duplex access terminal is not required to monitor forward
52          link transmissions on a PHY Frame where it is scheduled to make
53          a reverse link transmission."
54      REFERENCE
55          "IEEE Std. 802.20-2008, Subclause 711.7.5.4 (MACResourceAssignment)"
56     ::= { dot20AnSectorExtChanInfoEntry 2 }
57
58  dot20AnFACKBandwidthFactor OBJECT-TYPE
59      SYNTAX      Integer32 (1..4)
60      MAX-ACCESS  read-write
61      STATUS      current
62      DESCRIPTION
63          "Forward Acknowledgement channel (FACK) bandwidth factor"
64      REFERENCE
65          "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup)"
66     ::= { dot20AnSectorExtChanInfoEntry 3 }
67
68  dot20AnSFNCellID OBJECT-TYPE

```

```

1      SYNTAX      Integer32 (0..511)
2      MAX-ACCESS  read-write
3      STATUS      current
4      DESCRIPTION
5          "This field determines the ID of the single frequency network
6      | cell (for BCMSBroadcast Multicast Service)"
7      REFERENCE
8          "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup),
9      | and Subclause 5-2-3-2-29.2.2.2.2 (SFNCellID and SFNPhase)"
10     ::= { dot20AnSectorExtChanInfoEntry 5 }
11
12 dot20AnCellNullID OBJECT-TYPE
13     SYNTAX      Integer32 (0..511)
14     MAX-ACCESS  read-write
15     STATUS      current
16     DESCRIPTION
17         "Cell Null Id"
18     REFERENCE
19         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup)"
20     ::= { dot20AnSectorExtChanInfoEntry 6 }
21
22 dot20AnMaxNumSharedLABs OBJECT-TYPE
23     SYNTAX      Integer32 (1..4)
24     MAX-ACCESS  read-write
25     STATUS      current
26     DESCRIPTION
27         "This field determines the maximum number of shared LABs
28     | that are transmitted by this sector"
29     REFERENCE
30         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup)"
31     ::= { dot20AnSectorExtChanInfoEntry 7 }
32
33 dot20AnMaxNumLABs OBJECT-TYPE
34     SYNTAX      Integer32 (0..63)
35     MAX-ACCESS  read-write
36     STATUS      current
37     DESCRIPTION
38         "This field is set to the Maximum number of LABs that can
39     | be transmitted by this sector"
40     REFERENCE
41         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup)"
42     ::= { dot20AnSectorExtChanInfoEntry 9 }
43
44 dot20AnMax16QamScchBlocks OBJECT-TYPE
45     SYNTAX      Integer32 (0..15)
46     MAX-ACCESS  read-write
47     STATUS      current
48     DESCRIPTION
49         "This field is set to the maximum number of 16-QAM blocks
50     | that may be transmitted by the access network"
51     REFERENCE
52         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup)"
53     ::= { dot20AnSectorExtChanInfoEntry 10 }
54
55 dot20AnPdCabResSharingEnabled OBJECT-TYPE
56     SYNTAX      TruthValue
57     MAX-ACCESS  read-write
58     STATUS      current
59     DESCRIPTION
60         "This field determines if resource sharing using PDCABS is
61     | enabled"
62     REFERENCE
63         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup)"
64     ::= { dot20AnSectorExtChanInfoEntry 11 }
65
66 dot20AnNumAckableLABs OBJECT-TYPE
67     SYNTAX      Integer32 (0..7)
68     MAX-ACCESS  read-write

```

```

1     STATUS      current
2     DESCRIPTION
3     "This field is set to the number of LABs on SCCH that the
4     access terminal is to acknowledge"
5     REFERENCE
6     "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup)"
7     ::= { dot20AnSectorExtChanInfoEntry 12 }
8
9     dot20An16QamScchT2PRatio OBJECT-TYPE
10    SYNTAX      INTEGER {
11        minusSevenDb(1),
12        minusFourDb(2),
13        zeroDb(3),
14        minusTenDb(4)
15    }
16    MAX-ACCESS  read-write
17    STATUS      current
18    DESCRIPTION
19    "16 Qam Scch T2P Ratio"
20    REFERENCE
21    "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup)"
22    ::= { dot20AnSectorExtChanInfoEntry 13 }
23
24    dot20AnEffectiveTransmitPower OBJECT-TYPE
25    SYNTAX      Integer32 (0..63)
26    MAX-ACCESS  read-write
27    STATUS      current
28    DESCRIPTION
29    "This attribute is set to the effective transmit power of the
30    sector in units of dBm"
31    REFERENCE
32    "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup)"
33    ::= { dot20AnSectorExtChanInfoEntry 14 }
34
35    dot20AnAssignmentAckHARQTx OBJECT-TYPE
36    SYNTAX      Integer32 (0..7)
37    MAX-ACCESS  read-write
38    STATUS      current
39    DESCRIPTION
40    "The value 0 indicates that no ACK is sent in response to an
41    assignment. The rules for interpreting other values of this
42    field are provided in the Lower MAC Layer Sublayer. The value 7 is
43    reserved"
44    REFERENCE
45    "IEEE Std. 802.20-2008, Table 196, and Subclause 11.6.5.4.2
46    (ReverseChannelGroup)"
47    ::= { dot20AnSectorExtChanInfoEntry 15 }
48
49    dot20AnCQIPilotTransmitPower OBJECT-TYPE
50    SYNTAX      Integer32 (0..15)
51    MAX-ACCESS  read-write
52    STATUS      current
53    DESCRIPTION
54    "The field determines the power spectral density of the F-CQIPICH
55    relative to the reference transmit power density defined by the
56    Physical Layer. This parameter may take the value (-4 + n*0.5) dB."
57    REFERENCE
58    "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup)"
59    ::= { dot20AnSectorExtChanInfoEntry 16 }
60
61    dot20AnCommonPilotTransmitPower OBJECT-TYPE
62    SYNTAX      Integer32 (0..15)
63    MAX-ACCESS  read-write
64    STATUS      current
65    DESCRIPTION
66    "The attribute's value (denoted n) determines the power
67    spectral density of the F-CPICH during the FL PHY frame
68

```

```

1         relative to the F-ACQCH. The pilot power density is equal
2         to (-4 + n*0.5) dB."
3     REFERENCE
4         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.1 (ForwardChannelGroup)"
5     ::= { dot20AnSectorExtChanInfoEntry 17 }
6
7     dot20AnCDMAInterlacesBitmap OBJECT-TYPE
8     SYNTAX      Integer32 (0..255)
9     MAX-ACCESS  read-write
10    STATUS      current
11    DESCRIPTION
12        "The j'th bit of this field is set to 1 if interlace i
13        contains a Reverse Link CDMA Segment. Here j is assumed to range
14        from 0 through 7, and an interlace i is the set of PHY Frames
15        that satisfy PHY Frame Index mod 8 = i"
16    REFERENCE
17        "IEEE Std. 802.20-2008, Table 196137, and Subclause 11.6.5.4.2
18        (ReverseChannelGroup)"
19    ::= { dot20AnSectorExtChanInfoEntry 18 }
20
21    dot20AnNumOdcchReports OBJECT-TYPE
22    SYNTAX      Integer32 (0..31)
23    MAX-ACCESS  read-write
24    STATUS      current
25    DESCRIPTION
26        "Num ODCCH reports, specified in units of 16"
27    REFERENCE
28        "IEEE Std. 802.20-2008, Table 196137, and Subclause 11.6.5.4.2
29        (ReverseChannelGroup)"
30    ::= { dot20AnSectorExtChanInfoEntry 27 }
31
32    dot20AnNumRLCdmaSubsegments OBJECT-TYPE
33    SYNTAX      Integer32 (1..16)
34    MAX-ACCESS  read-write
35    STATUS      current
36    DESCRIPTION
37        "This field determines the number of RLCdmaSubsegments on
38        this sector."
39    REFERENCE
40        "IEEE Std. 802.20-2008, Table 196137, and Subclause 11.6.5.4.2
41        (ReverseChannelGroup)"
42    ::= { dot20AnSectorExtChanInfoEntry 28 }
43
44    dot20AnRackBandwidthFactor OBJECT-TYPE
45    SYNTAX      Integer32 (0..3)
46    MAX-ACCESS  read-write
47    STATUS      current
48    DESCRIPTION
49        "This parameter is set to 2^n, where n is the value of
50        the two bit field."
51    REFERENCE
52        "IEEE Std. 802.20-2008, Table 137196, and Subclause 11.6.5.4.2
53        (ReverseChannelGroup)"
54    ::= { dot20AnSectorExtChanInfoEntry 30 }
55
56    dot20AnRlNumSdmaDimensions OBJECT-TYPE
57    SYNTAX      Integer32 (1..4)
58    MAX-ACCESS  read-write
59    STATUS      current
60    DESCRIPTION
61        "This field determines the number of spatial dimensions on
62        the reverse link."
63    REFERENCE
64        "IEEE Std. 802.20-2008, Table 196-137 (ReverseChannelGroup), and
65        Subclause 11.6.5.4.2 (ReverseChannelGroup)"
66    ::= { dot20AnSectorExtChanInfoEntry 31 }
67

```

```

1 | dot20AnRLDpichCodeOffsetSubtree0-dot20AnRLDpichCodeOffsetSubtreeIndex0 OBJECT-
2 | TYPE
3 |     SYNTAX          Integer32 (0..3)
4 |     MAX-ACCESS      read-write
5 |     STATUS          current
6 |     DESCRIPTION
7 |         "This field is set to the code offset for subtree 0"
8 |     REFERENCE
9 |         "IEEE Std. 802.20-2008, Table 195-185 (ForwardChannelGroupPhysical
10 | Layer Numeric Constants and Parameters), and
11 |         Subclause 11.6.5.4.1-2 (ForwardChannelGroupReverse Channel Group)"
12 |     ::= { dot20AnSectorExtChanInfoEntry 32 }
13 |
14 | dot20AnRLDpichCodeOffsetSubtree1-dot20AnRLDpichCodeOffsetSubtreeIndex1 OBJECT-
15 | TYPE
16 |     SYNTAX          Integer32 (0..3)
17 |     MAX-ACCESS      read-write
18 |     STATUS          current
19 |     DESCRIPTION
20 |         "This field is set to the code offset for subtreetree 1"
21 |     REFERENCE
22 |         "IEEE Std. 802.20-2008, Table 195-185 (Physical Layer Numeric
23 | Constants and ParametersForwardChannelGroup), and
24 |         Subclause 11.6.5.4.1 (ForwardChannelGroupReverse Channel Group)"
25 |     ::= { dot20AnSectorExtChanInfoEntry 33 }
26 |
27 | dot20AnRLDpichCodeOffsetSubtree2-dot20AnRLDpichCodeOffsetSubtreeIndex2 OBJECT-
28 | TYPE
29 |     SYNTAX          Integer32 (0..3)
30 |     MAX-ACCESS      read-write
31 |     STATUS          current
32 |     DESCRIPTION
33 |         "This field is set to the code offset for tree 2"
34 |     REFERENCE
35 |         "IEEE Std. 802.20-2008, Table 195-185 (Physical Layer Numeric
36 | Constants and ParametersForwardChannelGroup), and
37 |         Subclause 11.6.5.4.1 (ForwardChannelGroupReverse Channel Group)"
38 |     ::= { dot20AnSectorExtChanInfoEntry 34 }
39 |
40 | dot20AnRLDpichCodeOffsetSubtree3-dot20AnRLDpichCodeOffsetSubtreeIndex3 OBJECT-
41 | TYPE
42 |     SYNTAX          Integer32 (0..3)
43 |     MAX-ACCESS      read-write
44 |     STATUS          current
45 |     DESCRIPTION
46 |         "This field is set to the code offset for subtree 3"
47 |     REFERENCE
48 |         "IEEE Std. 802.20-2008, Table 195-185 (Physical Layer Numeric
49 | Constants and ParametersForwardChannelGroup), and
50 |         Subclause 11.6.5.4.1 (ForwardChannelGroupReverse Channel Group)"
51 |     ::= { dot20AnSectorExtChanInfoEntry 35 }
52 |
53 | dot20AnRLSubzoneSize-dot20AnRLSubzoneSize OBJECT-TYPE
54 |     SYNTAX          Integer32 (0..1)
55 |     MAX-ACCESS      read-write
56 |     STATUS          current
57 |     DESCRIPTION
58 |         "This field determines the size of subzones on the reverse
59 |         link. If n=0, this parameter takes the value 64 and if
60 |         n=1, this parameter takes the value 128"
61 |     REFERENCE
62 |         "IEEE Std. 802.20-2008, Table 196-185 (ReverseChannelGroupPhysical
63 | Layer Numeric Constants and Parameters), and
64 |         Subclause 11.6.5.4.2 (Reverse_Channel_Group)"
65 |     ::= { dot20AnSectorExtChanInfoEntry 36 }
66 |
67 | dot20AnSilenceIntervalPeriod OBJECT-TYPE
68 |     SYNTAX          Integer32 (0..15)

```

```

1     MAX-ACCESS    read-write
2     STATUS        current
3     DESCRIPTION
4         "This field determines the period in units of super frames
5         when the silence interval repeats. The SilenceInterval takes
6         a value of 2^n super frames, where n is the value of this four
7         bit fieldparameter"
8     REFERENCE
9         "IEEE Std. 802.20-2008, Table 196-185 (ReverseChannel-GroupPhysical
10    Layer Numeric Constants and Parameters), and
11         Subclause 11.6.5.4.2 (ReverseChannelGroup)"
12     ::= { dot20AnSectorExtChanInfoEntry 38 }
13
14    dot20AnSilenceIntervalDuration OBJECT-TYPE
15        SYNTAX      Integer32 (1..8)
16        MAX-ACCESS  read-write
17        STATUS      current
18        DESCRIPTION
19            "This field determines the duration silence interval in
20            units of 8 OFDM symbols"
21        REFERENCE
22            "IEEE Std. 802.20-2008, Table 196-185 (Physical Layer Numeric
23    Constants and ParametersReverseChannel-Group), and
24            Subclause 11.6.5.4.2 (ReverseChannelGroup)"
25        ::= { dot20AnSectorExtChanInfoEntry 39 }
26
27    dot20AnNumSilenceIntervalSubzone OBJECT-TYPE
28        SYNTAX      Integer32 (0..15)
29        MAX-ACCESS  read-write
30        STATUS      current
31        DESCRIPTION
32            "This field specifies the set of subzones that are blanked
33            during the silence interval."
34        REFERENCE
35            "IEEE Std. 802.20-2008, Table 196-185 (Physical Layer Numeric
36    Constants and ParametersReverseChannel-Group), and
37            Subclause 11.6.5.4.2 (ReverseChannelGroup)"
38        ::= { dot20AnSectorExtChanInfoEntry 40 }
39
40    dot20AnAckInterferenceOffset OBJECT-TYPE
41        SYNTAX      Integer32 (0..15)
42        MAX-ACCESS  read-write
43        STATUS      current
44        DESCRIPTION
45            "This field may take values in units of dB"
46        REFERENCE
47            "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup)"
48        ::= { dot20AnSectorExtChanInfoEntry 42 }
49
50    dot20AnMacIdRange OBJECT-TYPE
51        SYNTAX      INTEGER {
52            upTo63(1),
53            upTo127(2),
54            upTo255(3),
55            upTo511(4),
56            upTo1023(5),
57            upTo2047(6),
58            reserved(7),
59            upTo31(8)
60        }
61        MAX-ACCESS  read-write
62        STATUS      current
63        DESCRIPTION
64            "This field is set to indicate the range of assigned
65            MACID values in the sector. For example, a MACIDRange of 63
66            indicates that the sector has not assigned MACID values 64 and
67            above"
68        REFERENCE

```

```

1      "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup)"
2      ::= { dot20AnSectorExtChanInfoEntry 43 }
3
4  dot20AnFlPcReportInterval OBJECT-TYPE
5      SYNTAX      Integer32 (0..7)
6      MAX-ACCESS  read-write
7      STATUS      current
8      DESCRIPTION
9          "This field determines the periodicity at which power
10         control commands are sent to the access terminal. This
11         parameter may can take the value 2^n, where n is the value of the
12         three bit field."
13     REFERENCE
14         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup)"
15         ::= { dot20AnSectorExtChanInfoEntry 44 }
16
17  dot20AnFlPqiReportInterval OBJECT-TYPE
18      SYNTAX      Integer32 (0..3)
19      MAX-ACCESS  read-write
20      STATUS      current
21      DESCRIPTION
22          "This field determines the periodicity at which PQI
23         reports commands are sent by this sector. This parameter
24         takes the value 16*2^n, where n is the value of the three bit
25         field"
26     REFERENCE
27         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup)"
28         ::= { dot20AnSectorExtChanInfoEntry 45 }
29
30  dot20AnFlIotReportInterval OBJECT-TYPE
31      SYNTAX      Integer32 (0..3)
32      MAX-ACCESS  read-write
33      STATUS      current
34      DESCRIPTION
35          "This field determines the periodicity at which IoT values
36         are sent to the access terminal. This parameter takes the value 1, 8,
37         16, or 32, depending on the two bit field taking values 0, 1, 2, or 3.
38         This parameter may take the
39         value 2^n, where n is the value of the three bit field"
40     REFERENCE
41         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup)"
42         ::= { dot20AnSectorExtChanInfoEntry 46 }
43
44  dot20AnFastIoTEnabled OBJECT-TYPE
45      SYNTAX      TruthValue
46      MAX-ACCESS  read-write
47      STATUS      current
48      DESCRIPTION
49          "This field determines if the access terminal is required
50         to read Fast IoT from this sectorthe sector transmits IOT"
51     REFERENCE
52         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup)"
53         ::= { dot20AnSectorExtChanInfoEntry 47 }
54
55  dot20AnFastOSIEnabled OBJECT-TYPE
56      SYNTAX      TruthValue
57      MAX-ACCESS  read-write
58      STATUS      current
59      DESCRIPTION
60          "This field determines if the access terminal is required
61         to read OSI from this sector"
62     REFERENCE
63         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup)"
64         ::= { dot20AnSectorExtChanInfoEntry 48 }
65
66  dot20AnRabEnabled OBJECT-TYPE
67      SYNTAX      TruthValue
68      MAX-ACCESS  read-write

```

```

1     STATUS      current
2     DESCRIPTION
3     | "This field is set to 1TRUE if this sector transmits RAB, and
4     |   is set to 1FALSE otherwise"
5     REFERENCE
6     | "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup)"
7     | ::= { dot20AnSectorExtChanInfoEntry 49 }
8
9     dot20AnOsiResponseMode OBJECT-TYPE
10    SYNTAX      INTEGER {
11    | stochastic(1),
12    | deterministic(2)
13    | }
14    MAX-ACCESS  read-write
15    STATUS      current
16    DESCRIPTION
17    | "This field determines the type of response to OSI modes. It is set to
18    | 0 for stochastic response and is set to 1 for deterministic response."
19    REFERENCE
20    | "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup)"
21    | ::= { dot20AnSectorExtChanInfoEntry 50 }
22
23    dot20AnSlowInterferenceOffset OBJECT-TYPE
24    SYNTAX      Integer32 (0..15)
25    MAX-ACCESS  read-write
26    STATUS      current
27    DESCRIPTION
28    | "This field is set in units of dB"
29    REFERENCE
30    | "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup)"
31    | ::= { dot20AnSectorExtChanInfoEntry 51 }
32
33    dot20AnCtrlAccessOffset OBJECT-TYPE
34    SYNTAX      Integer32 (0..3)
35    MAX-ACCESS  read-write
36    STATUS      current
37    DESCRIPTION
38    | "This field determines the initial gain of the R-CQICH over the
39    | R-ACH. The value of this parameter is -11+n dB, where n
40    | is the value of this fieldparameter"
41    REFERENCE
42    | "IEEE Std. 802.20-2008, Subclause 11.6.5.4.3 (PowerControlGroup)"
43    | ::= { dot20AnSectorExtChanInfoEntry 52 }
44
45    dot20AnR1AuxPilotPower OBJECT-TYPE
46    SYNTAX      Integer32 (0..7)
47    MAX-ACCESS  read-write
48    STATUS      current
49    DESCRIPTION
50    | "This field is determine the offset of R-AuxPICH with
51    | respect to R-PICH. This parameter may take the value 4+n."
52    REFERENCE
53    | "IEEE Std. 802.20-2008, Subclause 8.8.9.2.3 (PowerParameters
54    | Attribute)"
55    | ::= { dot20AnSectorExtChanInfoEntry 53 }
56
57    dot20AnReqQoSPowerBoost OBJECT-TYPE
58    SYNTAX      Integer32 (0..3)
59    MAX-ACCESS  read-write
60    STATUS      current
61    DESCRIPTION
62    | " This parameter specifies a power boost value for r-regch
63    | transmissions on R-CDCCH for flows that allow request boost, and takes the
64    | values 0, 1, 3, or 5 dB when the two-bit field is set to '00', '01', '10', or
65    | '11', respectively.
66    | This field is in units of dB"
67    REFERENCE
68    | "IEEE Std. 802.20-2008, Subclause 8.7.7.2.1 (PowerControl

```

```

1      Attribute)"
2      ::= { dot20AnSectorExtChanInfoEntry 54 }
3
4  dot20AnErasureTargetCtoI0 OBJECT-TYPE
5      SYNTAX      Integer32 (0..15)
6      MAX-ACCESS  read-write
7      STATUS      current
8      DESCRIPTION
9      | "This attribute's value (denoted n) determines the transmit
10 | Powertarget C/I value of erasure sequences for different assignment
11 | sizes. The
12 |     transmit power is equal to n-6-12 dB."
13      REFERENCE
14      | "IEEE Std. 802.20-2008, Subclause 8.8.9.2.3 (PowerParameters
15      | Attribute)"
16      ::= { dot20AnSectorExtChanInfoEntry 55 }
17
18  dot20AnErasureTargetCtoI1 OBJECT-TYPE
19      SYNTAX      Integer32 (0..15)
20      MAX-ACCESS  read-write
21      STATUS      current
22      DESCRIPTION
23      | "This attribute's value (denoted n) determines the transmit
24 | Powertarget C/I value of erasure sequences for different assignment
25 | sizes. The
26 |     transmit power is equal to n-6-12 dB."
27      REFERENCE
28      | "IEEE Std. 802.20-2008, Subclause 8.8.9.2.3 (PowerParameters
29      | Attribute)"
30      ::= { dot20AnSectorExtChanInfoEntry 56 }
31
32  dot20AnErasureTargetCtoI2 OBJECT-TYPE
33      SYNTAX      Integer32 (0..15)
34      MAX-ACCESS  read-write
35      STATUS      current
36      DESCRIPTION
37      | "This attribute's value (denoted n) determines the transmit
38 | Powertarget C/I value of erasure sequences for different assignment
39 | sizes. The
40 |     transmit power is equal to n-6-12 dB."
41      REFERENCE
42      | "IEEE Std. 802.20-2008, Subclause 8.8.9.2.3 (PowerParameters
43      | Attribute)"
44      ::= { dot20AnSectorExtChanInfoEntry 57 }
45
46  dot20AnErasureTargetCtoI3 OBJECT-TYPE
47      SYNTAX      Integer32 (0..15)
48      MAX-ACCESS  read-write
49      STATUS      current
50      DESCRIPTION
51      | "This attribute's value (denoted n) determines the transmit
52 | Powertarget C/I value of erasure sequences for different assignment
53 | sizes. The
54 |     transmit power is equal to n-6-12 dB."
55      REFERENCE
56      | "IEEE Std. 802.20-2008, Subclause 8.8.9.2.3 (PowerParameters
57      | Attribute)"
58      ::= { dot20AnSectorExtChanInfoEntry 58 }
59
60  dot20AnAccessCycleDuration OBJECT-TYPE
61      SYNTAX      Integer32 (0..1)
62      MAX-ACCESS  read-write
63      STATUS      current
64      DESCRIPTION
65      | "This attribute determines the duration of the access
66      | cycle in units of Access Opportunities (as defined by the
67      | Physical Layer.)"
68      REFERENCE

```

```

1         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
2         Group)"
3     ::= { dot20AnSectorExtChanInfoEntry 59 }
4
5 dot20AnMaxProbesPerSequence OBJECT-TYPE
6     SYNTAX      Integer32 (0..7)
7     MAX-ACCESS  read-write
8     STATUS      current
9     DESCRIPTION
10    |         "This attribute noted-n(denoted n) determines the maximum number of probe
11    |         sequences that can be part of one access sequence. The
12    |         number of probes is n+2"
13    REFERENCE
14    |         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
15    |         Group)"
16    ::= { dot20AnSectorExtChanInfoEntry 60 }
17
18 dot20AnProbeRampUpStepSize OBJECT-TYPE
19     SYNTAX      Integer32 (0..3)
20     MAX-ACCESS  read-write
21     STATUS      current
22     DESCRIPTION
23    |         "This attribute's value noted-n(denoted n) determines the power ramp
24    |         up used for probes within a probe sequence and indicates
25    |         a ramp up value of 2*(1+n) dB."
26    REFERENCE
27    |         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
28    |         Group)"
29    ::= { dot20AnSectorExtChanInfoEntry 61 }
30
31 dot20AnPilotThreshold1 OBJECT-TYPE
32     SYNTAX      Integer32 (0..7)
33     MAX-ACCESS  read-write
34     STATUS      current
35     DESCRIPTION
36    |         "This attribute's value noted-n(denoted n) determines
37    |         PilotThreshold1 used by the Access Channel MAC Protocol. The
38    |         value is -10 + 2n dB."
39    REFERENCE
40    |         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
41    |         Group)"
42    ::= { dot20AnSectorExtChanInfoEntry 62 }
43
44 dot20AnPilotThreshold2 OBJECT-TYPE
45     SYNTAX      Integer32 (0..7)
46     MAX-ACCESS  read-write
47     STATUS      current
48     DESCRIPTION
49    |         "This attribute's value noted-n(denoted n) determines
50    |         PilotThreshold2 used by the Access Channel MAC Protocol. The
51    |         value is -2n dB."
52    REFERENCE
53    |         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
54    |         Group)"
55    ::= { dot20AnSectorExtChanInfoEntry 63 }
56
57 dot20AnOpenLoopAdjust OBJECT-TYPE
58     SYNTAX      Integer32 (0..255)
59     MAX-ACCESS  read-write
60     STATUS      current
61     DESCRIPTION
62    |         "This attribute's value noted-n(denoted n) determines the nominal
63    |         power to be used by access terminal in the open loop power
64    |         estimate. The value of nominal power is 70+n dB."
65    REFERENCE
66    |         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
67    |         Group)"
68    ::= { dot20AnSectorExtChanInfoEntry 64 }

```

```

1
2 dot20AnAccessRetryPersistence0 OBJECT-TYPE
3   SYNTAX      Integer32 (0..7)
4   MAX-ACCESS  read-write
5   STATUS      current
6   DESCRIPTION
7       "This attribute determines the persistence probability for
8       determining access sequence backoff. If this attribute's value
9       is set to n (n<7), the access terminal will use 2^(-n/2) as the
10      retry persistence. For n=7, the access terminal will set
11      AccessRetryPersistence0 to 0."
12  REFERENCE
13      "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
14      Group)"
15  ::= { dot20AnSectorExtChanInfoEntry 65 }
16
17 dot20AnAccessRetryPersistence1 OBJECT-TYPE
18   SYNTAX      Integer32 (0..7)
19   MAX-ACCESS  read-write
20   STATUS      current
21   DESCRIPTION
22       "This attribute determines the persistence probability for
23       determining access sequence backoff. If this attribute's value
24       is set to n (n<7), the access terminal will use 2^(-n/2) as the
25       retry persistence. For n=7, the access terminal will set
26       AccessRetryPersistence1 to 0."
27  REFERENCE
28      "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
29      Group)"
30  ::= { dot20AnSectorExtChanInfoEntry 66 }
31
32 dot20AnAccessRetryPersistence2 OBJECT-TYPE
33   SYNTAX      Integer32 (0..7)
34   MAX-ACCESS  read-write
35   STATUS      current
36   DESCRIPTION
37       "This attribute determines the persistence probability for
38       determining access sequence backoff. If this attribute's value
39       is set to n (n<7), the access terminal will use 2^(-n/2) as the
40       retry persistence. For n=7, the access terminal will set
41       AccessRetryPersistence2 to 0."
42  REFERENCE
43      "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
44      Group)"
45  ::= { dot20AnSectorExtChanInfoEntry 67 }
46
47 dot20AnAccessRetryPersistence3 OBJECT-TYPE
48   SYNTAX      Integer32 (0..7)
49   MAX-ACCESS  read-write
50   STATUS      current
51   DESCRIPTION
52       "This attribute determines the persistence probability for
53       determining access sequence backoff. If this attribute's value
54       is set to n (n<7), the access terminal will use 2^(-n/2) as the
55       retry persistence. For n=7, the access terminal sets
56       AccessRetryPersistence3 to 0."
57  REFERENCE
58      "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
59      Group)"
60  ::= { dot20AnSectorExtChanInfoEntry 68 }
61
62 dot20AnAccessRetryPersistence4 OBJECT-TYPE
63   SYNTAX      Integer32 (0..7)
64   MAX-ACCESS  read-write
65   STATUS      current
66   DESCRIPTION
67       "This attribute determines the persistence probability for
68       determining access sequence backoff. If this attribute's value

```

```

1 |         is set to n (n<7), the access terminal will use 2^(-n/2) as the
2 |         retry persistence. For n=7, the access terminal sets
3 |         AccessRetryPersistence4 to 0."
4 |     REFERENCE
5 |         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
6 |         Group)"
7 |     ::= { dot20AnSectorExtChanInfoEntry 69 }
8 |
9 | dot20AnAccessRetryPersistence5 OBJECT-TYPE
10 | SYNTAX      Integer32 (0..7)
11 | MAX-ACCESS  read-write
12 | STATUS      current
13 | DESCRIPTION
14 |     "This attribute determines the persistence probability for
15 |     determining access sequence backoff. If this attribute's value
16 |     is set to n (n<7), the access terminal will use 2^(-n/2) as the
17 |     retry persistence. For n=7, the access terminal sets
18 |     AccessRetryPersistence5 to 0."
19 |     REFERENCE
20 |         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
21 |         Group)"
22 |     ::= { dot20AnSectorExtChanInfoEntry 70 }
23 |
24 | dot20AnAccessRetryPersistence6 OBJECT-TYPE
25 | SYNTAX      Integer32 (0..7)
26 | MAX-ACCESS  read-write
27 | STATUS      current
28 | DESCRIPTION
29 |     "This attribute determines the persistence probability for
30 |     determining access sequence backoff. If this attribute's value
31 |     is set to n (n<7), the access terminal will use 2^(-n/2) as the
32 |     retry persistence. For n=7, the access terminal sets
33 |     AccessRetryPersistence6 to 0."
34 |     REFERENCE
35 |         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
36 |         Group)"
37 |     ::= { dot20AnSectorExtChanInfoEntry 71 }
38 |
39 | dot20AnAccessRetryPersistence7 OBJECT-TYPE
40 | SYNTAX      Integer32 (0..7)
41 | MAX-ACCESS  read-write
42 | STATUS      current
43 | DESCRIPTION
44 |     "This attribute determines the persistence probability for
45 |     determining access sequence backoff. If this attribute's value
46 |     is set to n (n<0), the access terminal will use 2^(-n/2) as the
47 |     retry persistence. For n=7, the access terminal sets
48 |     AccessRetryPersistence7 to 0."
49 |     REFERENCE
50 |         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.4 (AccessParameters
51 |         Group)"
52 |     ::= { dot20AnSectorExtChanInfoEntry 72 }
53 |
54 | dot20AnSectorExtChanRowStatus OBJECT-TYPE
55 | SYNTAX      RowStatus
56 | MAX-ACCESS  read-create
57 | STATUS      current
58 | DESCRIPTION
59 |     "The status column used for creating, modifying, and deleting
60 |     instances of the columnar objects in the SectorExtChanInfo
61 |     Table. If the implementer of this MIB has chosen not to
62 |     implement 'dynamic assignment' of sectors, this attribute is
63 |     not useful and should return noSuchName upon SNMP request."
64 |     DEFVAL   { active }
65 |     ::= { dot20AnSectorExtChanInfoEntry 73 }
66 |
67 | dot20AnSectorParamTable OBJECT-TYPE
68 | SYNTAX      SEQUENCE OF Dot20AnSectorParamEntry

```

```

1     MAX-ACCESS    not-accessible
2     STATUS        current
3     DESCRIPTION
4         "This table provides one row per 802.20 carrier of a sector for
5         a specific ChannelBand. This table's attributes specify the
6         configuration of the corresponding sector and can be used to
7         populate fields in the SectorParameters message."
8     ::= { dot20AnOverheadMessages 3 }
9
10    dot20AnSectorParamEntry OBJECT-TYPE
11        SYNTAX      Dot20AnSectorParamEntry
12        MAX-ACCESS  not-accessible
13        STATUS      current
14        DESCRIPTION
15            "An Entry (conceptual row) in the SectorParam table. This table
16            is indexed by ifIndex. ifIndex: Each IEEE 802.20 interface
17            (uniquely identified by SectorID) is represented by an
18            ifEntry."
19        REFERENCE
20            "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
21        INDEX
22            { ifIndex }
23        ::= { dot20AnSectorParamTable 1 }
24
25    dot20AnMobileCountryCode OBJECT-TYPE
26        SYNTAX      Integer32 (0..4096)
27        MAX-ACCESS  read-write
28        STATUS      current
29        DESCRIPTION
30            "This attribute is set to the three digit Mobile Country
31            Code associated with this sector (as specified in ITU-T
32            Recommendation E.212, Identification Plan for Land Mobile
33            Stations)."
34        REFERENCE
35            "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
36        ::= { dot20AnSectorParamEntry 1 }
37
38    dot20AnMobileNetworkCode OBJECT-TYPE
39        SYNTAX      Integer32 (0..4096)
40        MAX-ACCESS  read-write
41        STATUS      current
42        DESCRIPTION
43            "This field is set three-digit BCD (binary coded
44            decimal) encoded representation of the Mobile Network Code
45            that has been assigned to the operator."
46        REFERENCE
47            "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
48        ::= { dot20AnSectorParamEntry 2 }
49
50    dot20AnSectorID OBJECT-TYPE
51        SYNTAX      OCTET STRING (SIZE(16))
52        MAX-ACCESS  read-write
53        STATUS      current
54        DESCRIPTION
55            "Sector Address Identifier. The access network sets the
56            value of the SectorID according to the rules specified in in-IEEE
57            802.20-AIS16.2.2. The access terminal does not assume anything about
58            the format of the SectorID other than that it uniquely
59            identifies the sector."
60        REFERENCE
61            "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters) and
62            Subclause 16.2.2 (SectorID Construction)"
63        ::= { dot20AnSectorParamEntry 3 }
64
65    dot20AnChannelBandRef OBJECT-TYPE
66        SYNTAX      Integer32
67        MAX-ACCESS  read-write
68        STATUS      current

```

```

1 DESCRIPTION
2 "The reference to the ChannelBand defined in ChannelBands table
3 using this value as index (dot20AnChannelBandIndex)"
4 REFERENCE
5 "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters,
6 first instance), and Subclause 15.2.1 (ChannelBand Record)"
7 ::= { dot20AnSectorParamEntry 4 }
8
9 dot20AnLatitude OBJECT-TYPE
10 SYNTAX Integer32 (-1296000..1296000)
11 MAX-ACCESS read-write
12 STATUS current
13 DESCRIPTION
14 "The latitude of the sector. This attribute is set to
15 this sector's latitude in units of 0.25 second, expressed as a
16 two's complement signed number with positive numbers signifying
17 North latitudes. Similarly, negative numbers signify South latitudes.
18 This attribute is set to a value in the
19 range 1296000 to 1296000 inclusive (corresponding to a range of
20 -90 to +90)."
```

```

21 REFERENCE
22 "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
23 ::= { dot20AnSectorParamEntry 5 }
24
25 dot20AnLongitude OBJECT-TYPE
26 SYNTAX Integer32 (-2592000..2592000)
27 MAX-ACCESS read-write
28 STATUS current
29 DESCRIPTION
30 "The longitude of the sector. This attribute is set to
31 this sector's longitude in units of 0.25 second, expressed as a
32 two's complement signed number with positive numbers signifying
33 East longitude. Similarly, negative numbers signify West longitudes.
34 This attribute is set to a value in the
35 range 2592000 to 2592000 inclusive (corresponding to a range of
36 -180 degrees to +180 degrees)."
```

```

37 REFERENCE
38 "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
39 ::= { dot20AnSectorParamEntry 6 }
40
41 dot20AnLeapSeconds OBJECT-TYPE
42 SYNTAX Integer32 (0..255)
43 MAX-ACCESS read-write
44 STATUS current
45 DESCRIPTION
46 "The number of leap seconds that have occurred since the start
47 of system time."
48 REFERENCE
49 "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
50 ::= { dot20AnSectorParamEntry 7 }
51
52 dot20AnLocalTimeOffset OBJECT-TYPE
53 SYNTAX Integer32 (0..2047)
54 MAX-ACCESS read-write
55 STATUS current
56 DESCRIPTION
57 "This attribute is set to the offset of the local time
58 from System Time. This value will beis in units of minutes,
59 expressed as a two's complement signed number."
60 REFERENCE
61 "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
62 ::= { dot20AnSectorParamEntry 8 }
63
64 dot20AnPrimaryRegZoneCode OBJECT-TYPE
65 SYNTAX Integer32
66 MAX-ACCESS read-write
67 STATUS current
68 DESCRIPTION
```

```

1      "The PrimaryRegistrationZoneCode for this sector"
2      REFERENCE
3      "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
4      ::= { dot20AnSectorParamEntry 9 }
5
6      dot20AnAnGroupId OBJECT-TYPE
7          SYNTAX      Integer32 (0..7)
8          MAX-ACCESS  read-write
9          STATUS      current
10         DESCRIPTION
11             "Sector's AN Group Id"
12         REFERENCE
13             "IEEE Std. 802.20-2008, Subclause 11.6.5.511.6.4.5.2.9
14             (SectorParametersAN Groups)"
15         ::= { dot20AnSectorParamEntry 10 }
16
17         dot20AnPilotGroupId OBJECT-TYPE
18             SYNTAX      Integer32 (0..7)
19             MAX-ACCESS  read-write
20             STATUS      current
21             DESCRIPTION
22                 "Sector's Pilot Group Id"
23             REFERENCE
24                 "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
25             ::= { dot20AnSectorParamEntry 11 }
26
27         dot20AnSynchronousGroupId OBJECT-TYPE
28             SYNTAX      Integer32 (0..7)
29             MAX-ACCESS  read-write
30             STATUS      current
31             DESCRIPTION
32                 "Sector's Synchronous Group Id"
33             REFERENCE
34                 "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
35             ::= { dot20AnSectorParamEntry 12 }
36
37         dot20AnCellGroupId OBJECT-TYPE
38             SYNTAX      Integer32 (0..7)
39             MAX-ACCESS  read-write
40             STATUS      current
41             DESCRIPTION
42                 "Sector's Cell Group Id"
43             REFERENCE
44                 "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
45             ::= { dot20AnSectorParamEntry 13 }
46
47         dot20AnSectorParamRowStatus 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 SectorParam Table. If
54                 the implementer 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             ::= { dot20AnSectorParamEntry 14 }
59
60         dot20AnSectorGrpResSetsTable OBJECT-TYPE
61             SYNTAX      SEQUENCE OF Dot20AnSectorGrpResSetsEntry
62             MAX-ACCESS  not-accessible
63             STATUS      current
64             DESCRIPTION
65                 "This table provides one row per 802.20 sector and Forward
66                 Channel group resource set (see ExtendedChannelInfo-message in
67                 AIS)."

```

```

1
2 dot20AnSectorGrpResSetsEntry OBJECT-TYPE
3     SYNTAX      Dot20AnSectorGrpResSetsEntry
4     MAX-ACCESS  not-accessible
5     STATUS      current
6     DESCRIPTION
7         "An Entry (conceptual row) in the
8         AnSectorFwdChanGrpResourceSets table. This table is indexed
9         by ifIndex and resourceSetId ifIndex: Each IEEE 802.20
10        interface (uniquely identified by SectorID) is represented by
11        an ifEntry."
12    REFERENCE
13        "IEEE Std. 802.20-2008, Subclause 11.7.5.3
14        (SupplementalConfigAssignment)"
15    INDEX
16        { ifIndex, dot20AnResourceSetId }
17    ::= { dot20AnSectorGrpResSetsTable 1 }
18
19 dot20AnResourceSetId OBJECT-TYPE
20     SYNTAX      Integer32 (0..7)
21     MAX-ACCESS  not-accessible
22     STATUS      current
23     DESCRIPTION
24         "Index of the forward channel group resource set for a
25         particular sector."
26     ::= { dot20AnSectorGrpResSetsEntry 1 }
27
28 dot20AnResourceSetBitmap OBJECT-TYPE
29     SYNTAX      Integer32 (0..255)
30     MAX-ACCESS  read-write
31     STATUS      current
32     DESCRIPTION
33         "The j'th bit of this field is set to 1 if a frame with
34         frame index mod InterlaceDepth = j contains a subzone that
35         corresponds to this resource set. If the InterlaceDepth = 6,
36         the last two bits of this field is set to 0"
37     REFERENCE
38         "IEEE Std. 802.20-2008, Subclause 11.7.5.3
39         (SupplementalConfigAssignment)"
40     ::= { dot20AnSectorGrpResSetsEntry 2 }
41
42 dot20AnBRCHSubzoneCyclingEnabled OBJECT-TYPE
43     SYNTAX      TruthValue
44     MAX-ACCESS  read-write
45     STATUS      current
46     DESCRIPTION
47         "This field parameter is set to 1TRUE if BRCHSubzoneCycling is
48     enabled
49         on this sector. For BRCH resource set with BRCHSubzoneCycling
50         disabled or DRCH resource set, the first subzone offset on all
51         interlaces where this resource set is present is set to
52         the ResourceSubzoneOffset. For BRCH resource sets with
53         BRCHSubzoneCycling enabled, the offset of the first subzone
54         over each interlace is shifted cyclically. Since the offset of
55         first subzone over the lowest indexed interlace is defined by
56         ResourceSubzoneOffset, the offset of the first subzone in the
57         next interlace, where the resource set is present, is increased
58         by 1 mod NumBRCHSubzones"
59     REFERENCE
60         "IEEE Std. 802.20-2008, Subclause 11.7.5.3
61         (SupplementalConfigAssignment)"
62     ::= { dot20AnSectorGrpResSetsEntry 3 }
63
64 dot20AnResourceSetSubZoneSpacing OBJECT-TYPE
65     SYNTAX      Integer32 (0..3)
66     MAX-ACCESS  read-write
67     STATUS      current
68     DESCRIPTION

```

```

1         "This field indicates the spacing between subzones in a
2         resource set. Subzones belonging to a resource group on an
3         interlace is equally spaced, where the first subzone is
4         defined by ResourceSubzoneOffset and
5         BRCHSubzoneCyclingEnabled"
6     REFERENCE
7         "IEEE Std. 802.20-2008, Subclause 11.7.5.3
8         (SupplementalConfigAssignment)"
9     ::= { dot20AnSectorGrpResSetsEntry 4 }
10
11 dot20AnNumResourceSubzones OBJECT-TYPE
12     SYNTAX      Integer32 (0..31)
13     MAX-ACCESS  read-write
14     STATUS      current
15     DESCRIPTION
16         "This field determines the number of subzones in each
17         interlace where the resource set is present. An interlace is
18         defined as the set of frames that have the same Frame Index mod
19         InterlaceDepth, where InterlaceDepth is defined by
20         ResourceSetInterlace. This parameter takes the value n+1."
21     REFERENCE
22         "IEEE Std. 802.20-2008, Subclause 11.7.5.3
23         (SupplementalConfigAssignment)"
24     ::= { dot20AnSectorGrpResSetsEntry 5 }
25
26 dot20AnResourceSubzoneOffset OBJECT-TYPE
27     SYNTAX      Integer32 (0..31)
28     MAX-ACCESS  read-write
29     STATUS      current
30     DESCRIPTION
31         "This field is set to the first subzone on the lowest
32         indexed interlace that is part of a resource set. Interlace
33         index i is defined for the set of frames that have Frame Index
34         mod InterlaceDepth = i, where InterlaceDepth is defined by
35         ResourceSetInterlace"
36     REFERENCE
37         "IEEE Std. 802.20-2008, Subclause 11.7.5.3
38         (SupplementalConfigAssignment)"
39     ::= { dot20AnSectorGrpResSetsEntry 6 }
40
41 dot20AnResourceSetRowStatus OBJECT-TYPE
42     SYNTAX      RowStatus
43     MAX-ACCESS  read-create
44     STATUS      current
45     DESCRIPTION
46         "The status column used for creating, modifying, and deleting
47         instances of the columnar objects in the
48         SectorFwdChanGrpResourceSet Table. If the implementor of this
49         MIB has chosen not to implement 'dynamic assignment' of
50         sectors, this attribute is not useful and should return
51         noSuchName upon SNMP request."
52     DEFVAL     { active }
53     ::= { dot20AnSectorGrpResSetsEntry 7 }
54
55 dot20AnSecondaryRegZoneCodeTable OBJECT-TYPE
56     SYNTAX      SEQUENCE OF Dot20AnSecondaryRegZoneCodeEntry
57     MAX-ACCESS  not-accessible
58     STATUS      current
59     DESCRIPTION
60         "This table provides one row per 802.20 interface and per
61         secondary registration zone code."
62     ::= { dot20AnOverheadMessages 5 }
63
64 dot20AnSecondaryRegZoneCodeEntry OBJECT-TYPE
65     SYNTAX      Dot20AnSecondaryRegZoneCodeEntry
66     MAX-ACCESS  not-accessible
67     STATUS      current
68     DESCRIPTION

```

```

1      "An Entry (conceptual row) in the SecondaryRegZoneCode table,
2      which is used to trigger registration for paging. This table
3      is indexed by IfIndex and dot20AnSecondaryRegZoneCodeIndex.
4      ifIndex: Each IEEE 802.20 interface (uniquely identified by
5      SectorID) is represented by an ifEntry."
6      REFERENCE
7      "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
8      INDEX
9      { ifIndex, dot20AnSecondaryRegZoneCodeIndex }
10     ::= { dot20AnSecondaryRegZoneCodeTable 1 }
11
12     dot20AnSecondaryRegZoneCodeIndex OBJECT-TYPE
13     SYNTAX      Integer32 (0..7)
14     MAX-ACCESS  not-accessible
15     STATUS      current
16     DESCRIPTION
17     "Index of the secondary registration zone code for a particular
18     sector."
19     ::= { dot20AnSecondaryRegZoneCodeEntry 1 }
20
21     dot20AnSecRegZoneCode OBJECT-TYPE
22     SYNTAX      Integer32 (0..255)
23     MAX-ACCESS  read-write
24     STATUS      current
25     DESCRIPTION
26     "One of the SecondaryRegistrationZoneCode for this sector"
27     REFERENCE
28     "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
29     ::= { dot20AnSecondaryRegZoneCodeEntry 2 }
30
31     dot20AnSecondaryRegZoneRowStatus OBJECT-TYPE
32     SYNTAX      RowStatus
33     MAX-ACCESS  read-create
34     STATUS      current
35     DESCRIPTION
36     "The status column used for creating, modifying, and deleting
37     instances of the columnar objects in the SecondaryRegZoneCode
38     Table. If the implementor of this MIB has chosen not to
39     implement 'dynamic assignment' of sectors, this attribute is
40     not useful and should return noSuchName upon SNMP request."
41     DEFVAL     { active }
42     ::= { dot20AnSecondaryRegZoneCodeEntry 3 }
43
44     dot20AnSectorIpsiTable OBJECT-TYPE
45     SYNTAX      SEQUENCE OF Dot20AnSectorIpsiEntry
46     MAX-ACCESS  not-accessible
47     STATUS      current
48     DESCRIPTION
49     "This table provides one row per 802.20 interface and per
50     IPSI."
51     ::= { dot20AnOverheadMessages 6 }
52
53     dot20AnSectorIpsiEntry OBJECT-TYPE
54     SYNTAX      Dot20AnSectorIpsiEntry
55     MAX-ACCESS  not-accessible
56     STATUS      current
57     DESCRIPTION
58     "An Entry (conceptual row) in the SectorIpsi table, which is a
59     list of personalities supported by the given sector. This table
60     is indexed by IfIndex and dot20AnIpsiIndex. ifIndex: Each IEEE
61     802.20 interface (uniquely identified by SectorID) is
62     represented by an ifEntry."
63     REFERENCE
64     "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
65     INDEX
66     { ifIndex }
67     ::= { dot20AnSectorIpsiTable 1 }
68

```

```

1 dot20AnIpsiIndex OBJECT-TYPE
2   SYNTAX      Integer32 (0..7)
3   MAX-ACCESS  not-accessible
4   STATUS      current
5   DESCRIPTION
6     "Index of an Ipsi supported by a particular sector."
7     ::= { dot20AnSectorIpsiEntry 1 }
8
9 dot20AnSupportedIpsi OBJECT-TYPE
10  SYNTAX      Integer32 (0..15)
11  MAX-ACCESS  read-write
12  STATUS      current
13  DESCRIPTION
14    "IPSI supported by a particular sector"
15  REFERENCE
16    "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
17    ::= { dot20AnSectorIpsiEntry 2 }
18
19 dot20AnIpsiRowStatus 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 SectorIpsi Table. If
26     the implementor of this MIB has chosen not to implement
27     'dynamic assignment' of sectors, this attribute is not useful
28     and should return noSuchName upon SNMP request."
29  DEFVAL     { active }
30  ::= { dot20AnSectorIpsiEntry 3 }
31
32 dot20AnSectorCdmaSubSegTable OBJECT-TYPE
33  SYNTAX      SEQUENCE OF Dot20AnSectorCdmaSubSegEntry
34  MAX-ACCESS  not-accessible
35  STATUS      current
36  DESCRIPTION
37    "This table provides one row per 802.20 sector, interlace and
38     Reverse Channel group CDMA Sub segment (see ExtendedChannelInfo
39     message in AIS).""IEEE Std. 802.20-2008, Subclause 11.6.5.4.2 (ReverseChannelGroup)"
52  INDEX
53    { ifIndex, dot20AnInterlaceId }
54  ::= { dot20AnSectorCdmaSubSegTable 1 }
55
56 dot20AnInterlaceId OBJECT-TYPE
57  SYNTAX      Integer32 (0..7)
58  MAX-ACCESS  not-accessible
59  STATUS      current
60  DESCRIPTION
61    "Interlace Id"
62  ::= { dot20AnSectorCdmaSubSegEntry 1 }
63
64 dot20AnCdmaSubSegmentNum OBJECT-TYPE
65  SYNTAX      Integer32 (0..7)
66  MAX-ACCESS  read-write
67  STATUS      current
68  DESCRIPTION

```

```

1         "Number of reverse channel CDMA Sub segment within an interlace
2         for a particular sector."
3     REFERENCE
4         "IEEE Std. 802.20-2008, Subclause 11.6.5.4.2 (ReverseChannelGroup)"
5     ::= { dot20AnSectorCdmaSubSegEntry 2 }
6
7     dot20AnSectorCdmaSubSegRowStatus 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 SectorCdmaSubSeg
14        Table. If the implementor of this MIB has chosen not to
15        implement 'dynamic assignment' of sectors, this attribute is
16        not useful and should return noSuchName upon SNMP request."
17    DEFVAL      { active }
18    ::= { dot20AnSectorCdmaSubSegEntry 3 }
19
20    dot20AnChannelBandsTable OBJECT-TYPE
21    SYNTAX      SEQUENCE OF Dot20AnChannelBandsEntry
22    MAX-ACCESS  not-accessible
23    STATUS      current
24    DESCRIPTION
25        "This table provides one row per 802.20 ChannelBand. This
26        table's attributes specify the ChannelBand record of a
27        particular ChannelBand which may be used for a sector defined
28        in the SectorConfig table, or by a member of the neighbor list
29        defined in NeighborSectorsTable."
30    ::= { dot20AnOverheadMessages 9 }
31
32    dot20AnChannelBandsEntry OBJECT-TYPE
33    SYNTAX      Dot20AnChannelBandsEntry
34    MAX-ACCESS  not-accessible
35    STATUS      current
36    DESCRIPTION
37        "An Entry (conceptual row) in the ChannelBands table. The
38        Channel Bands table is referenced by the NeighborSectorsTable
39        or Sector Table. This table is indexed by ChannelBandIndex."
40    REFERENCE
41    "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters),
42    and Subclause 15.2.1 (ChannelBand Record)"
43    INDEX
44        { dot20AnChannelBandIndex }
45    ::= { dot20AnChannelBandsTable 1 }
46
47    dot20AnChannelBandIndex OBJECT-TYPE
48    SYNTAX      Integer32 (1..2147483647)
49    MAX-ACCESS  not-accessible
50    STATUS      current
51    DESCRIPTION
52        "Index of the ChannelBand within the ChannelBands table."
53    ::= { dot20AnChannelBandsEntry 1 }
54
55    dot20AnSystemType OBJECT-TYPE
56    SYNTAX      Integer32 (0..2)
57    MAX-ACCESS  read-write
58    STATUS      current
59    DESCRIPTION
60        "This attribute discriminates between the different ChannelBand
61        Records."
62    REFERENCE
63        "IEEE Std. 802.20-2008, Subclause 15.2.1 (ChannelBand Record)"
64    ::= { dot20AnChannelBandsEntry 2 }
65
66    dot20AnBandClass OBJECT-TYPE
67    SYNTAX      Integer32 (0..255)
68    MAX-ACCESS  read-write

```

```

1     STATUS      current
2     DESCRIPTION
3         "This attribute is set to the band class number
4         corresponding to the frequency assignment of the ChannelBand
5         specified by this record."
6     REFERENCE
7         "IEEE Std. 802.20-2008, Subclause 15.2.1 (ChannelBand Record)"
8         ::= { dot20AnChannelBandsEntry 3 }
9
10    dot20AnChannelNumber OBJECT-TYPE
11        SYNTAX      Integer32 (0..65535)
12        MAX-ACCESS  read-write
13        STATUS      current
14        DESCRIPTION
15            "This attribute is set to the Channel number
16            corresponding to the frequency assignment of the ChannelBand
17            specified by this record."
18        REFERENCE
19            "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters),
20            and Subclause 15.2.1 (ChannelBand Record)"
21            ::= { dot20AnChannelBandsEntry 4 }
22
23    dot20AnHalfDuplexSupported OBJECT-TYPE
24        SYNTAX      TruthValue
25        MAX-ACCESS  read-write
26        STATUS      current
27        DESCRIPTION
28            "This attribute is set to a true TRUE if half duplex operation
29            is supported in this system."
30        REFERENCE
31            "IEEE Std. 802.20-2008, Subclause 15.2.1 (ChannelBand Record)"
32            ::= { dot20AnChannelBandsEntry 5 }
33        <Edited to here - 2008-11-07 1539>
34    dot20AnReverseChannelBandClass OBJECT-TYPE
35        SYNTAX      Integer32 (0..255)
36        MAX-ACCESS  read-write
37        STATUS      current
38        DESCRIPTION
39            "This attribute is set to the band class number
40            corresponding to the frequency assignment of the reverse
41            ChannelBand specified by this record."
42        REFERENCE
43            "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters),
44            and Subclause 15.2.1 (ChannelBand Record)"
45            ::= { dot20AnChannelBandsEntry 6 }
46
47    dot20AnReverseChannelNumber OBJECT-TYPE
48        SYNTAX      Integer32 (0..65535)
49        MAX-ACCESS  read-write
50        STATUS      current
51        DESCRIPTION
52            "This attribute is set to the Channel number
53            corresponding to the frequency assignment of the Reverse
54            ChannelBand specified by this record."
55        REFERENCE
56            "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters),
57            and Subclause 15.2.1 (ChannelBand Record)"
58            ::= { dot20AnChannelBandsEntry 7 }
59
60    dot20AnCyclicPrefixLength OBJECT-TYPE
61        SYNTAX      Integer32 (0..3)
62        MAX-ACCESS  read-write
63        STATUS      current
64        DESCRIPTION
65            "This attribute is set to the cyclic prefix length,
66            i.e. it is set to the quantity (N_CP-1) from the Physical
67            Layer."
68        REFERENCE

```

```

1         "IEEE Std. 802.20-2008, Subclause 15.2.1 (ChannelBand Record),
2         and Table 165 (Specification for the u Parameter)"
3         ::= { dot20AnChannelBandsEntry 8 }
4
5     dot20AnFFTSize OBJECT-TYPE
6         SYNTAX      Integer32 (0..7)
7         MAX-ACCESS  read-write
8         STATUS      current
9         DESCRIPTION
10          "This attribute is set to log2(NFFT/128)."

```

```

1         table's attributes specify the sector parameters of a
2         particular neighbor sector which may be used as a neighbor to
3         one sector defined in the SectorConfig table."
4         ::= { dot20AnOverheadMessages 10 }
5
6 dot20AnNeighborSectorsEntry OBJECT-TYPE
7     SYNTAX      Dot20AnNeighborSectorsEntry
8     MAX-ACCESS  not-accessible
9     STATUS      current
10    DESCRIPTION
11        "An Entry (conceptual row) in the AnNeighborSectors table. This
12         table is indexed by ChannelBandIndex, NeighborSectorIndex."
13    INDEX
14        { dot20AnChannelBandIndex, dot20AnNeighborSectorIndex }
15    ::= { dot20AnNeighborSectorsTable 1 }
16
17 dot20AnNeighborSectorIndex OBJECT-TYPE
18     SYNTAX      Integer32 (1..2147483647)
19     MAX-ACCESS  not-accessible
20     STATUS      current
21     DESCRIPTION
22        "Index of the Neighbor Sector for this Neighbor Carrier within
23         the ChannelBand."
24    ::= { dot20AnNeighborSectorsEntry 1 }
25
26 dot20AnNeighborPilotID OBJECT-TYPE
27     SYNTAX      Integer32 (0..1023)
28     MAX-ACCESS  read-write
29     STATUS      current
30     DESCRIPTION
31        "This attribute is set to the PilotID of a neighboring
32         sector that the access terminal should add to its Neighbor
33         Set."
34     REFERENCE
35        "IEEE Std. 802.20-2008, Subclause 5.3.2.1 (PilotPN and PilotPhase)"
36    ::= { dot20AnNeighborSectorsEntry 2 }
37
38 dot20AnNeighborEffTransmitPower OBJECT-TYPE
39     SYNTAX      Integer32 (0..63)
40     MAX-ACCESS  read-write
41     STATUS      current
42     DESCRIPTION
43        "This attribute is set to the transmit power of the
44         sector in units of dBm."
45     REFERENCE
46        "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
47    ::= { dot20AnNeighborSectorsEntry 3 }
48
49 dot20AnNeighborChannelBandRef OBJECT-TYPE
50     SYNTAX      Integer32
51     MAX-ACCESS  read-write
52     STATUS      current
53     DESCRIPTION
54        "The reference to the ChannelBand defined in ChannelBands table
55         (dot20AnChannelBandIndex)"
56     REFERENCE
57        "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
58    ::= { dot20AnNeighborSectorsEntry 4 }
59
60 dot20AnNeighborChannelShortID OBJECT-TYPE
61     SYNTAX      Integer32 (0..3)
62     MAX-ACCESS  read-write
63     STATUS      current
64     DESCRIPTION
65        "Neighbor Sector's short Channel ID"
66     REFERENCE
67        "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
68    ::= { dot20AnNeighborSectorsEntry 5 }

```

```

1
2 dot20AnNeighborSameANAsPrimSect OBJECT-TYPE
3   SYNTAX      TruthValue
4   MAX-ACCESS  read-write
5   STATUS      current
6   DESCRIPTION
7     "Set true if same access network as primary sector."
8   REFERENCE
9     "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
10  ::= { dot20AnNeighborSectorsEntry 6 }
11
12 dot20AnNeighborSectorPilotGrpId OBJECT-TYPE
13   SYNTAX      Integer32 (0..7)
14   MAX-ACCESS  read-write
15   STATUS      current
16   DESCRIPTION
17     "Neighbor Sector's Pilot Group Id"
18   REFERENCE
19     "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
20  ::= { dot20AnNeighborSectorsEntry 7 }
21
22 dot20AnNeighborSynchGroupId OBJECT-TYPE
23   SYNTAX      Integer32 (0..7)
24   MAX-ACCESS  read-write
25   STATUS      current
26   DESCRIPTION
27     "Neighbor Sector's Synchronous Group Id"
28   REFERENCE
29     "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
30  ::= { dot20AnNeighborSectorsEntry 8 }
31
32 dot20AnNeighborSectorCellGroupId OBJECT-TYPE
33   SYNTAX      Integer32 (0..7)
34   MAX-ACCESS  read-write
35   STATUS      current
36   DESCRIPTION
37     "Neighbor Sector's Cell Group Id"
38   REFERENCE
39     "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
40  ::= { dot20AnNeighborSectorsEntry 9 }
41
42 dot20AnNeighborSectorStatus OBJECT-TYPE
43   SYNTAX      RowStatus
44   MAX-ACCESS  read-create
45   STATUS      current
46   DESCRIPTION
47     "The status column used for creating, modifying, and deleting
48     instances of the columnar objects in the NeighborSectors
49     Table. If the implementor of this MIB has chosen not to
50     implement 'dynamic assignment' of neighbor sectors this
51     attribute is not useful and should return noSuchName upon SNMP
52     request."
53   REFERENCE
54     "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
55   DEFVAL     { active }
56  ::= { dot20AnNeighborSectorsEntry 10 }
57
58 dot20AnOtherTechNghbrsTable OBJECT-TYPE
59   SYNTAX      SEQUENCE OF Dot20AnOtherTechNghbrsEntry
60   MAX-ACCESS  not-accessible
61   STATUS      current
62   DESCRIPTION
63     "This table provides one row per other technology neighbor
64     channel. This table's attributes specify the technology type
65     and neighbor list of a particular neighbor channel which may be
66     used by one sector defined in the SectorConfig table for
67     inter-technology handoff."
68  ::= { dot20AnOverheadMessages 11 }

```

```

1
2 dot20AnOtherTechNghbrsEntry OBJECT-TYPE
3   SYNTAX      Dot20AnOtherTechNghbrsEntry
4   MAX-ACCESS  not-accessible
5   STATUS      current
6   DESCRIPTION
7       "An Entry (conceptual row) in the AnOtherTechNghbrs table. This
8       table is indexed by Sector (ifIndex) and OtherTechnologyIndex"
9   INDEX
10      { ifIndex, dot20AnOtherTechnologyIndex }
11      ::= { dot20AnOtherTechNghbrsTable 1 }
12
13 dot20AnOtherTechnologyIndex OBJECT-TYPE
14   SYNTAX      Integer32 (1..2147483647)
15   MAX-ACCESS  not-accessible
16   STATUS      current
17   DESCRIPTION
18       "The neighbor other technology entry index"
19      ::= { dot20AnOtherTechNghbrsEntry 1 }
20
21 dot20AnTechnologyType OBJECT-TYPE
22   SYNTAX      Integer32 (0..255)
23   MAX-ACCESS  read-write
24   STATUS      current
25   DESCRIPTION
26       "This attribute is set to the type of other technology.
27       Interpretation for its value should as defined in the AIS
28       spec."
29   REFERENCE
30       "IEEE Std 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
31      ::= { dot20AnOtherTechNghbrsEntry 2 }
32
33 dot20AnTechNghbrListLength OBJECT-TYPE
34   SYNTAX      Integer32 (0..255)
35   MAX-ACCESS  read-write
36   STATUS      current
37   DESCRIPTION
38       "This attribute is set the length, in bytes, of the
39       neighbor list information for the other technology."
40   REFERENCE
41       "IEEE Std 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
42      ::= { dot20AnOtherTechNghbrsEntry 3 }
43
44 dot20AnTechnologyNeighborList OBJECT-TYPE
45   SYNTAX      OCTET STRING (SIZE(256))
46   MAX-ACCESS  read-write
47   STATUS      current
48   DESCRIPTION
49       "This attribute is set to the neighbor list information
50       for the other technology."
51   REFERENCE
52       "IEEE Std 802.20-2008, Subclause 11.6.5.5 (SectorParameters)"
53      ::= { dot20AnOtherTechNghbrsEntry 4 }
54
55 dot20AnOtherTechNghbrRowStatus OBJECT-TYPE
56   SYNTAX      RowStatus
57   MAX-ACCESS  read-create
58   STATUS      current
59   DESCRIPTION
60       "The status column used for creating, modifying, and deleting
61       instances of the columnar objects in the OtherTechNghbrs Table.
62       If the implementor of this MIB has chosen not to implement
63       'dynamic assignment' of other technology neighbors, this
64       attribute is not useful and should return noSuchName upon SNMP
65       request."
66   DEFVAL     { active }
67      ::= { dot20AnOtherTechNghbrsEntry 5 }
68

```

```

1 dot20AnNeighborListTable OBJECT-TYPE
2   SYNTAX      SEQUENCE OF Dot20AnNeighborListEntry
3   MAX-ACCESS  not-accessible
4   STATUS      current
5   DESCRIPTION
6     "This table defines the neighbor lists for the sectors defined
7     in the SectorConfig table. Each row in this table indexed per
8     sector (ifIndex) specifies a pointer to a neighbor sector of
9     this sector."
10    ::= { dot20AnOverheadMessages 12 }
11
12 dot20AnNeighborListEntry OBJECT-TYPE
13   SYNTAX      Dot20AnNeighborListEntry
14   MAX-ACCESS  not-accessible
15   STATUS      current
16   DESCRIPTION
17     "An Entry (conceptual row) in the AnNeighborList table. This
18     table is indexed by Sector (ifIndex) and NeighborIndex indexing
19     each neighbor sector for a particular Sector."
20   INDEX
21     { ifIndex, dot20AnNeighborIndex }
22   ::= { dot20AnNeighborListTable 1 }
23
24 dot20AnNeighborIndex OBJECT-TYPE
25   SYNTAX      Integer32 (1..32)
26   MAX-ACCESS  not-accessible
27   STATUS      current
28   DESCRIPTION
29     "This index identifies one neighbor sector for a Sector."
30   ::= { dot20AnNeighborListEntry 1 }
31
32 dot20AnNeighborSectorPointer OBJECT-TYPE
33   SYNTAX      RowPointer
34   MAX-ACCESS  read-create
35   STATUS      current
36   DESCRIPTION
37     "This attribute points to an instance of sector in SectorConfig
38     table or in NeighborSectors table. This sector is defined as a
39     neighbor of the sector identified by the ifIndex of this
40     attribute's entry."
41   ::= { dot20AnNeighborListEntry 2 }
42
43 dot20AnNeighborRowStatus OBJECT-TYPE
44   SYNTAX      RowStatus
45   MAX-ACCESS  read-create
46   STATUS      current
47   DESCRIPTION
48     "The status column used for creating, modifying, and deleting
49     instances of the columnar objects in the NeighborList Table.
50     If the implementor of this MIB has chosen not to implement
51     'dynamic assignment' of neighbor list entries this attribute is
52     not useful and should return noSuchName upon SNMP request."
53   DEFVAL     { active }
54   ::= { dot20AnNeighborListEntry 3 }
55
56 dot20AnSectorToIfIndexTable OBJECT-TYPE
57   SYNTAX      SEQUENCE OF Dot20AnSectorToIfIndexEntry
58   MAX-ACCESS  not-accessible
59   STATUS      current
60   DESCRIPTION
61     "This table can be used to find the ifIndex of an 802.20
62     interface based on its SectorID and ChannelBand information
63     (reverse mapping of the Sector Config table)."
64   ::= { dot20An 2 }
65
66 dot20AnSectorToIfIndexEntry OBJECT-TYPE
67   SYNTAX      Dot20AnSectorToIfIndexEntry
68   MAX-ACCESS  not-accessible

```

```

1     STATUS      current
2     DESCRIPTION
3     "An Entry (conceptual row) in the AnSectorToIfIndex table."
4     INDEX
5     { dot20AnSectorID, ifIndex }
6     ::= { dot20AnSectorToIfIndexTable 1 }
7
8 dot20AnIfChannelBandRef OBJECT-TYPE
9     SYNTAX      Integer32
10    MAX-ACCESS  read-write
11    STATUS      current
12    DESCRIPTION
13    "The reference to the ChannelBand defined in ChannelBands table
14    (dot20AnChannelBandIndex)"
15    REFERENCE
16    "IEEE Std. 802.20-2008, Subclause 11.6.5.5 (SectorParameters,
17    first instance), and Subclause 15.2.1 (ChannelBand Record)"
18    ::= { dot20AnSectorToIfIndexEntry 1 }
19
20 dot20Cmn OBJECT-IDENTITY
21     STATUS      current
22     DESCRIPTION
23     "Common configuration and statistics."
24     ::= { ieee802dot20 2 }
25
26 dot20CmnMac OBJECT-IDENTITY
27     STATUS      current
28     DESCRIPTION
29     "MAC layer objects"
30     ::= { dot20Cmn 1 }
31
32 dot20CmnSessionControl OBJECT IDENTIFIER ::= { dot20CmnMac 1 }
33
34 dot20CmnSessionMgtProtocol OBJECT IDENTIFIER ::= { dot20CmnSessionControl 1 }
35
36 dot20CmnSessionOpenCounts OBJECT-TYPE
37     SYNTAX      Counter64
38     MAX-ACCESS  read-only
39     STATUS      current
40     DESCRIPTION
41     "Number of sessions opened"
42     REFERENCE
43     "IEEE Std 802.20-2008, Figure 159 (Basic Session Control
44     Protocol State Diagram (Access Network))"
45     ::= { dot20CmnSessionMgtProtocol 1 }
46
47 dot20CmnSessionCloseCounts OBJECT-TYPE
48     SYNTAX      Counter64
49     MAX-ACCESS  read-only
50     STATUS      current
51     DESCRIPTION
52     "Number of sessions closed"
53     REFERENCE
54     "IEEE Std 802.20-2008, Figure 159 (Basic Session Control
55     Protocol State Diagram (Access Network))"
56     ::= { dot20CmnSessionMgtProtocol 2 }
57
58 dot20CmnSessionFailureCounts OBJECT-TYPE
59     SYNTAX      Counter64
60     MAX-ACCESS  read-only
61     STATUS      current
62     DESCRIPTION
63     "Number of session open/close failures"
64     REFERENCE
65     "IEEE Std 802.20-2008, Figure 159 (Basic Session Control
66     Protocol State Diagram (Access Network))"
67     ::= { dot20CmnSessionMgtProtocol 3 }
68

```

```

1 dot20CmnConnectionControl OBJECT IDENTIFIER ::= { dot20CmnMac 3 }
2
3 dot20CmnConnectedState OBJECT IDENTIFIER ::= { dot20CmnConnectionControl 1 }
4
5 dot20CmnActiveConnectionCounts OBJECT-TYPE
6     SYNTAX      Counter64
7     MAX-ACCESS  read-only
8     STATUS      current
9     DESCRIPTION
10      "Number of current active connections (in Open state.)"
11     REFERENCE
12      "IEEE Std 802.20-2008, Figures 152 and 153"
13     ::= { dot20CmnConnectedState 1 }
14
15 dot20CmnConnectionAttemptCounts OBJECT-TYPE
16     SYNTAX      Counter64
17     MAX-ACCESS  read-only
18     STATUS      current
19     DESCRIPTION
20      "Number of connection attempts (i.e. that reached BindATI state.)"
21     REFERENCE
22      "IEEE Std 802.20-2008, Figure 152 (Basic Connected State
23      Protocol State Diagram (AT)) and Figure 153 (Basic Connected
24      State Protocol State Diagram (AN))"
25     ::= { dot20CmnConnectedState 2 }
26
27 dot20CmnConnectionFailureCounts OBJECT-TYPE
28     SYNTAX      Counter64
29     MAX-ACCESS  read-only
30     STATUS      current
31     DESCRIPTION
32      "Number of connection failures during connection attempt (i.e.
33      That reached BindATI state without reaching Open state,
34      through timeout or deactivation"
35     REFERENCE
36      "IEEE Std 802.20-2008, Figures 152 (Connect State Protocol
37      State Diagram (AT)) and 153 (Connected State Protocol State
38      Diagram (AN))"
39     ::= { dot20CmnConnectedState 3 }
40
41 dot20CmnConnectionDropCounts OBJECT-TYPE
42     SYNTAX      Counter64
43     MAX-ACCESS  read-only
44     STATUS      current
45     DESCRIPTION
46      "Number of dropped connections (via a command of
47      ConnectedState.Close) after a connection has been established."
48     REFERENCE
49      "IEEE Std 802.20-2008, Figures 152 (Connect State Protocol
50      State Diagram (AT)) and 153 (Connected State Protocol State
51      Diagram (AN))"
52     ::= { dot20CmnConnectedState 4 }
53
54 dot20CmnConnectionReleaseCounts OBJECT-TYPE
55     SYNTAX      Counter64
56     MAX-ACCESS  read-only
57     STATUS      current
58     DESCRIPTION
59      "Number of connection release (Tx ConnectionClose or
60      Rx ConnectionClose) after a connection has been established."
61     REFERENCE
62      "IEEE Std 802.20-2008, Figures 152 (Connect State Protocol
63      State Diagram (AT)) and 153 (Connected State Protocol State
64      Diagram (AN))"
65     ::= { dot20CmnConnectedState 5 }
66
67 dot20CmnRadioLink OBJECT IDENTIFIER ::= { dot20CmnMac 4 }
68

```

```

1 dot20CmnRlp OBJECT IDENTIFIER ::= { dot20CmnRadioLink 2 }
2
3 dot20CmnRlpStatsTable OBJECT-TYPE
4     SYNTAX      SEQUENCE OF Dot20CmnRlpStatsEntry
5     MAX-ACCESS  not-accessible
6     STATUS      current
7     DESCRIPTION
8         "This table provides one row of Radio Link Protocol statistics
9         per 802.20 interface"
10    ::= { dot20CmnRlp 1 }
11
12 dot20CmnRlpStatsEntry OBJECT-TYPE
13     SYNTAX      Dot20CmnRlpStatsEntry
14     MAX-ACCESS  not-accessible
15     STATUS      current
16     DESCRIPTION
17         "An Entry (conceptual row) in the RlpStats table. This table is
18         indexed by IfIndex and dot20StreamId."
19     INDEX
20         { ifIndex, dot20CmnStreamId }
21     ::= { dot20CmnRlpStatsTable 1 }
22
23 dot20CmnStreamId OBJECT-TYPE
24     SYNTAX      Integer32 (0 .. 31)
25     MAX-ACCESS  not-accessible
26     STATUS      current
27     DESCRIPTION
28         "Stream Id"
29     ::= { dot20CmnRlpStatsEntry 1 }
30
31 dot20CmnRlpTxBytes OBJECT-TYPE
32     SYNTAX      Counter64
33     MAX-ACCESS  read-only
34     STATUS      current
35     DESCRIPTION
36         "Number of RLP bytes of payload transmitted"
37     REFERENCE
38         "IEEE Std 802.20-2008, Subclause 7.3.3.4.2 (RLP Transmit
39         Procedures)"
40     ::= { dot20CmnRlpStatsEntry 2 }
41
42 dot20CmnRlpReTxBytes OBJECT-TYPE
43     SYNTAX      Counter64
44     MAX-ACCESS  read-only
45     STATUS      current
46     DESCRIPTION
47         "Number of RLP bytes of payload retransmitted"
48     REFERENCE
49         "IEEE Std 802.20-2008, Subclause 7.3.3.4.2 (RLP Transmit
50         Procedures)"
51     ::= { dot20CmnRlpStatsEntry 3 }
52
53 dot20CmnRlpTxDropBytes OBJECT-TYPE
54     SYNTAX      Counter64
55     MAX-ACCESS  read-only
56     STATUS      current
57     DESCRIPTION
58         "Number of RLP bytes of dropped before transmission"
59     REFERENCE
60         "IEEE Std 802.20-2008, Subclause 7.3.3.4.2 (RLP Transmit
61         Procedures)"
62     ::= { dot20CmnRlpStatsEntry 4 }
63
64 dot20CmnRlpTxStatus OBJECT-TYPE
65     SYNTAX      Counter64
66     MAX-ACCESS  read-only
67     STATUS      current
68     DESCRIPTION

```

```

1      "Number of RLP ReceiverStatus messages transmitted"
2  REFERENCE
3      "IEEE 802.20-2008, Subclause 7.3.4.3.3.5 (ATReceiverStatus),
4      and Subclause 7.3.4.3.3.7 (ANReceiverStatus)"
5      ::= { dot20CmnRlpStatsEntry 5 }
6
7  dot20CmnRlpRxBytes OBJECT-TYPE
8      SYNTAX      Counter64
9      MAX-ACCESS  read-only
10     STATUS      current
11     DESCRIPTION
12         "Number of RLP bytes of payload received"
13     ::= { dot20CmnRlpStatsEntry 6 }
14
15  dot20CmnRlpRxStatus OBJECT-TYPE
16     SYNTAX      Counter64
17     MAX-ACCESS  read-only
18     STATUS      current
19     DESCRIPTION
20         "Number of RLP ReceiverStatus messages received"
21     REFERENCE
22         "IEEE 802.20-2008, Subclause 7.3.4.3.3.5 (ATReceiverStatus),
23         and Subclause 7.3.4.3.3.7 (ANReceiverStatus)"
24     ::= { dot20CmnRlpStatsEntry 7 }
25
26  dot20CmnRlpTxPackets OBJECT-TYPE
27     SYNTAX      Counter64
28     MAX-ACCESS  read-only
29     STATUS      current
30     DESCRIPTION
31         "Number of RLP Packets transmitted"
32     REFERENCE
33         "IEEE Std 802.20-2008, Subclause 7.3.3.4.2 (RLP Transmit
34         Procedures)"
35     ::= { dot20CmnRlpStatsEntry 8 }
36
37  dot20CmnRlpReTxPackets OBJECT-TYPE
38     SYNTAX      Counter64
39     MAX-ACCESS  read-only
40     STATUS      current
41     DESCRIPTION
42         "Number of RLP Packets retransmitted"
43     REFERENCE
44         "IEEE Std 802.20-2008, Subclause 7.3.3.4.2 (RLP Transmit
45         Procedures)"
46     ::= { dot20CmnRlpStatsEntry 9 }
47
48  dot20CmnRlpTxrDropPackets OBJECT-TYPE
49     SYNTAX      Counter64
50     MAX-ACCESS  read-only
51     STATUS      current
52     DESCRIPTION
53         "Number of RLP Packets dropped before transmission"
54     REFERENCE
55         "IEEE Std 802.20-2008, Subclause 7.3.3.4.2 (RLP Transmit
56         Procedures)"
57     ::= { dot20CmnRlpStatsEntry 10 }
58
59  dot20CmnRlpRxPackets OBJECT-TYPE
60     SYNTAX      Counter64
61     MAX-ACCESS  read-only
62     STATUS      current
63     DESCRIPTION
64         "Number of RLP Packets received"
65     REFERENCE
66         "IEEE Std 802.20-2008, Subclause 7.3.3.4.3 (RLP Receive
67         Procedures)"
68     ::= { dot20CmnRlpStatsEntry 11 }

```

```

1
2 dot20CmnRlpTxNAKTimeouts OBJECT-TYPE
3     SYNTAX      Counter64
4     MAX-ACCESS  read-only
5     STATUS      current
6     DESCRIPTION
7         "Number of NAK Timeouts"
8     REFERENCE
9         "IEEE Std 802.20-2008, Subclause 7.3.3.4.3 (RLP Receive
10        Procedures)"
11    ::= { dot20CmnRlpStatsEntry 12 }
12
13 dot20CmnRlpTxACKTimeouts OBJECT-TYPE
14     SYNTAX      Counter64
15     MAX-ACCESS  read-only
16     STATUS      current
17     DESCRIPTION
18         "Number of ACK Timeouts"
19     REFERENCE
20         "IEEE Std 802.20-2008, Subclause 7.3.3.4.2 (RLP Transmit
21        Procedures)"
22    ::= { dot20CmnRlpStatsEntry 13 }
23
24 dot20CmnQmp OBJECT-IDENTITY
25     STATUS      current
26     DESCRIPTION
27         "Qos Management Protocol"
28    ::= { dot20CmnRadioLink 3 }
29
30 dot20CmnQmpStatsTable OBJECT-TYPE
31     SYNTAX      SEQUENCE OF Dot20CmnQmpStatsEntry
32     MAX-ACCESS  not-accessible
33     STATUS      current
34     DESCRIPTION
35         "This table provides one row of QMP statistics per 802.20
36        interface"
37    ::= { dot20CmnQmp 2 }
38
39 dot20CmnQmpStatsEntry OBJECT-TYPE
40     SYNTAX      Dot20CmnQmpStatsEntry
41     MAX-ACCESS  not-accessible
42     STATUS      current
43     DESCRIPTION
44         "An Entry (conceptual row) in the QmpStats table. This table is
45        indexed by IfIndex. ifIndex: Each IEEE 802.20 interface is
46        represented by an ifEntry."
47     INDEX
48         { ifIndex }
49    ::= { dot20CmnQmpStatsTable 1 }
50
51 dot20CmnActiveReservationsCounts OBJECT-TYPE
52     SYNTAX      Counter64
53     MAX-ACCESS  read-only
54     STATUS      current
55     DESCRIPTION
56         "Number of Active (Open State) Reservations"
57     REFERENCE
58         "IEEE Std 802.20-2008, Figure 21 (Reverse Link Reservation
59        State Diagram (AT)), and Figure 22 (Forward Link Reservation State
60        Diagram (AN))"
61    ::= { dot20CmnQmpStatsEntry 1 }
62
63 dot20CmnIdleReservationsCounts OBJECT-TYPE
64     SYNTAX      Counter64
65     MAX-ACCESS  read-only
66     STATUS      current
67     DESCRIPTION
68         "Number of Idle (Close State) Reservations"

```

```

1 REFERENCE
2 "IEEE Std 802.20-2008, Figure 21 (Reverse Link Reservation
3 State Diagram (AT)), and Figure 22 (Forward Link Reservation State
4 Diagram (AN))"
5 ::= { dot20CmnQmpStatsEntry 2 }
6
7 dot20CmnReservationOpenCounts OBJECT-TYPE
8 SYNTAX Counter64
9 MAX-ACCESS read-only
10 STATUS current
11 DESCRIPTION
12 "Number of Reservations Open requests"
13 REFERENCE
14 "IEEE Std 802.20-2008, Figure 21 (Reverse Link Reservation
15 State Diagram (AT)), Figure 22 (Forward Link Reservation State
16 Diagram (AN), Subclause 7.2.3.3.1 (ReservationOnRequest), and
17 Subclause 7.2.3.3.6 (RevReservationOn))"
18 ::= { dot20CmnQmpStatsEntry 3 }
19
20 dot20CmnReservationCloseCounts OBJECT-TYPE
21 SYNTAX Counter64
22 MAX-ACCESS read-only
23 STATUS current
24 DESCRIPTION
25 "Number of Reservations Close requests"
26 REFERENCE
27 "IEEE Std 802.20-2008, Figure 21 (Reverse Link Reservation
28 State Diagram (AT)), Figure 22 (Forward Link Reservation State
29 Diagram (AN), Subclause 7.2.3.3.2 (ReservationOffRequest),
30 and Subclause 7.2.3.3.7 (RevReservationOn))"
31 ::= { dot20CmnQmpStatsEntry 4 }
32
33 dot20CmnReservationFailCounts OBJECT-TYPE
34 SYNTAX Counter64
35 MAX-ACCESS read-only
36 STATUS current
37 DESCRIPTION
38 "Number of Failed Reservations requests"
39 REFERENCE
40 "IEEE Std 802.20-2008, Subclause 7.2.3.3.5 (ReservationReject)"
41 ::= { dot20CmnQmpStatsEntry 5 }
42
43 dot20CmnSecurity OBJECT IDENTIFIER ::= { dot20CmnMac 5 }
44
45 dot20CmnKeyExchangeProtocol OBJECT IDENTIFIER ::= { dot20CmnSecurity 1 }
46
47 dot20CmnKeyExchangeAttemptCounts OBJECT-TYPE
48 SYNTAX Counter64
49 MAX-ACCESS read-only
50 STATUS current
51 DESCRIPTION
52 "Number of key exchanges attempts"
53 REFERENCE
54 "IEEE Std 802.20-2008, Subclause 10.4.5.2.1 (KeyRequest)"
55 ::= { dot20CmnKeyExchangeProtocol 1 }
56
57 dot20CmnKeyExchangeFailureCounts OBJECT-TYPE
58 SYNTAX Counter64
59 MAX-ACCESS read-only
60 STATUS current
61 DESCRIPTION
62 "Number of key exchanges failures"
63 REFERENCE
64 "IEEE Std 802.20-2008, Subclause 10.4.5.2.4 (KeyReject)"
65 ::= { dot20CmnKeyExchangeProtocol 2 }
66
67 dot20CmnMessageIntegrityProtocol OBJECT IDENTIFIER ::= { dot20CmnSecurity 2 }
68

```

```

1 dot20CmnAuthStatsTable OBJECT-TYPE
2   SYNTAX      SEQUENCE OF Dot20CmnAuthStatsEntry
3   MAX-ACCESS  not-accessible
4   STATUS      current
5   DESCRIPTION
6     "This table provides one row of Authentication statistics per
7     802.20 interface (i.e. sector for a specific ChannelBand.)"
8     ::= { dot20CmnMessageIntegrityProtocol 1 }
9
10 dot20CmnAuthStatsEntry OBJECT-TYPE
11   SYNTAX      Dot20CmnAuthStatsEntry
12   MAX-ACCESS  not-accessible
13   STATUS      current
14   DESCRIPTION
15     "Authentication statistics per 802.20 interfaces"
16   INDEX
17     { ifIndex }
18   ::= { dot20CmnAuthStatsTable 1 }
19
20 dot20CmnAuthFailureCounts OBJECT-TYPE
21   SYNTAX      Counter64
22   MAX-ACCESS  read-only
23   STATUS      current
24   DESCRIPTION
25     "Number of Authentication failures (i.e. failure code 0x03 for
26     RouteOpenReject.)"
27   REFERENCE
28     "IEEE Std 802.20-2008, Subclause 13.2.6.2.1
29     (RouteOpenRequest), and Subclause 13.2.6.12
30     (RouteOpenReject)"
31   ::= { dot20CmnAuthStatsEntry 1 }
32
33 dot20CmnAuthSuccessCounts OBJECT-TYPE
34   SYNTAX      Counter64
35   MAX-ACCESS  read-only
36   STATUS      current
37   DESCRIPTION
38     "Number of successful Authentications"
39   REFERENCE
40     "IEEE Std 802.20-2008, Subclause 13.2.6.2.1
41     (RouteOpenRequest), and Subclause 13.2.6.3
42     (RouteOpenAccept)"
43   ::= { dot20CmnAuthStatsEntry 2 }
44
45 dot20CmnLowerMAC OBJECT IDENTIFIER ::= { dot20CmnMac 6 }
46
47 dot20CmnLMACPacketStatsTable OBJECT-TYPE
48   SYNTAX      SEQUENCE OF Dot20CmnLMACPacketStatsEntry
49   MAX-ACCESS  not-accessible
50   STATUS      current
51   DESCRIPTION
52     "This table provides one row of Lower MAC protocol statistics
53     per 802.20 interface, packet format and nb of ARQ attempts
54     needed in order to successfully transmit/receive a packet."
55     ::= { dot20CmnLowerMAC 1 }
56
57 dot20CmnLMACPacketStatsEntry OBJECT-TYPE
58   SYNTAX      Dot20CmnLMACPacketStatsEntry
59   MAX-ACCESS  not-accessible
60   STATUS      current
61   DESCRIPTION
62     "An Entry (conceptual row) in the LMACPacketStats table. This
63     table is indexed by IfIndex, PacketFormatIndex and
64     ARQAttemptsIndex."
65   INDEX
66     { ifIndex, dot20CmnPacketFormatIndex, dot20CmnARQAttemptsIndex
67     }
68   ::= { dot20CmnLMACPacketStatsTable 1 }

```

```

1
2 dot20CmnPacketFormatIndex OBJECT-TYPE
3   SYNTAX      Integer32 (0..15)
4   MAX-ACCESS  not-accessible
5   STATUS      current
6   DESCRIPTION
7     "The packet format index as defined in 802.20 AIS spec."
8   ::= { dot20CmnLMACPacketStatsEntry 1 }
9
10 dot20CmnARQAttemptsIndex OBJECT-TYPE
11   SYNTAX      Integer32 (0..15)
12   MAX-ACCESS  not-accessible
13   STATUS      current
14   DESCRIPTION
15     "Number of ARQ attempts that were needed in order to transmit
16     or receive a packet. Index 0 means that the packets failed to
17     be transmitted/received."
18   ::= { dot20CmnLMACPacketStatsEntry 2 }
19
20
21 dot20CmnFwdTxPacketCounts OBJECT-TYPE
22   SYNTAX      Counter64
23   MAX-ACCESS  read-only
24   STATUS      current
25   DESCRIPTION
26     "Number of transmitted packets"
27   REFERENCE
28     "IEEE Std 802.20-2008, Subclause 8.6.5.5.2.2 (F-DCH TX Associated
29     with Persistent Assignments), Subclause 8.6.5.5.2.3 (F-DCH TX
30     Associated with Non-Persistent Assignments and Residual Resource
31     Assignments), and Subclause 8.6.5.5.2.4 (F-DCH TX Associated with
32     Group Resource Assignments)"
33   ::= { dot20CmnLMACPacketStatsEntry 3 }
34
35 dot20CmnRevRxPacketCounts OBJECT-TYPE
36   SYNTAX      Counter64
37   MAX-ACCESS  read-only
38   STATUS      current
39   DESCRIPTION
40     "Number of received packets"
41   REFERENCE
42     "IEEE Std 802.20-2008,
43     Subclause 8.6.5.5.1.2.2 (AT Processing for Non-Persistent
44     Assignments),
45     Subclause 8.6.5.5.1.2.3 (AT Processing for Residual Resource
46     Assignments),
47     Subclause 8.6.5.5.1.2.4 (AT Processing for Group Resource
48     Assignments)"
49   ::= { dot20CmnLMACPacketStatsEntry 4 }
50
51 dot20CmnLMACStatsTable OBJECT-TYPE
52   SYNTAX      SEQUENCE OF Dot20CmnLMACStatsEntry
53   MAX-ACCESS  not-accessible
54   STATUS      current
55   DESCRIPTION
56     "This table provides one row of Lower MAC protocol statistics
57     per 802.20 interface and packet formats."
58   ::= { dot20CmnLowerMAC 2 }
59
60 dot20CmnLMACStatsEntry OBJECT-TYPE
61   SYNTAX      Dot20CmnLMACStatsEntry
62   MAX-ACCESS  not-accessible
63   STATUS      current
64   DESCRIPTION
65     "An Entry (conceptual row) in the LMACStats table. This table
66     is indexed by IfIndex, PacketFormatIndex."
67   INDEX
68     { ifIndex, dot20CmnPacketFormatIndex }

```

```

1      ::= { dot20CmnLMACStatsTable 1 }
2
3  dot20CmnFLABCounts OBJECT-TYPE
4      SYNTAX      Counter64
5      MAX-ACCESS  read-only
6      STATUS      current
7      DESCRIPTION
8          "Number of Forward Link Assignment Blocks"
9      REFERENCE
10         "IEEE Std 802.20-2008, Table 44 (F-SCCH Blocks), and Subclause
11         8.5.5.4.1.2 (Framing of F-SCCH Blocks)"
12     ::= { dot20CmnLMACStatsEntry 1 }
13
14  dot20CmnRLABCounts OBJECT-TYPE
15      SYNTAX      Counter64
16      MAX-ACCESS  read-only
17      STATUS      current
18      DESCRIPTION
19         "Number of Reverse Link Assignment Block"
20      REFERENCE
21         "IEEE Std 802.20-2008, Table 44 (F-SCCH Blocks), and Subclause
22         8.5.5.4.1.2 (Framing of F-SCCH Blocks), and Subclause
23         8.5.5.3.1.1.3.3 (RLAB)"
24     ::= { dot20CmnLMACStatsEntry 2 }
25
26  dot20CmnAccessGrantCounts OBJECT-TYPE
27      SYNTAX      Counter64
28      MAX-ACCESS  read-only
29      STATUS      current
30      DESCRIPTION
31         "Number of Access Grants (the number of times the indication
32         ForwardLinkControlSegmentMAC.AccessGrantSent is raised)"
33      REFERENCE
34         "IEEE Std 802.20-2008, Subclause 8.5.5.4.1.1.3.1.1 (Procedures
35         for Sending an Access Grant)"
36     ::= { dot20CmnLMACStatsEntry 3 }
37
38  dot20Conformance OBJECT IDENTIFIER ::= { ieee802dot20 4 }
39
40  dot20Groups OBJECT IDENTIFIER ::= { dot20Conformance 1 }
41
42  dot20CmnSessionMgtPGroup OBJECT-GROUP
43      OBJECTS
44          { dot20CmnSessionCloseCounts, dot20CmnSessionFailureCounts,
45            dot20CmnSessionOpenCounts }
46      STATUS      current
47      DESCRIPTION
48         "The session management protocol statistics"
49     ::= { dot20Groups 1 }
50
51  dot20CmnKeyExchangePGroup OBJECT-GROUP
52      OBJECTS
53          { dot20CmnKeyExchangeAttemptCounts,
54            dot20CmnKeyExchangeFailureCounts }
55      STATUS      current
56      DESCRIPTION
57         "The key exchange protocol statistics"
58     ::= { dot20Groups 4 }
59
60  dot20CmnConnectedStatePGroup OBJECT-GROUP
61      OBJECTS
62          { dot20CmnActiveConnectionCounts,
63            dot20CmnConnectionAttemptCounts, dot20CmnConnectionDropCounts,
64            dot20CmnConnectionFailureCounts, dot20CmnConnectionReleaseCounts
65          }
66      STATUS      current
67      DESCRIPTION
68         "The connected state protocol statistics"

```

```

1      ::= { dot20Groups 5 }
2
3  dot20CmnRadioLinkGroup OBJECT-GROUP
4    OBJECTS
5      { dot20CmnActiveReservationsCounts,
6        dot20CmnIdleReservationsCounts, dot20CmnReservationCloseCounts,
7        dot20CmnReservationFailCounts, dot20CmnReservationOpenCounts,
8        dot20CmnRevRxPacketCounts, dot20CmnRlpReTxBytes,
9        dot20CmnRlpReTxPackets, dot20CmnRlpRxBytes,
10       dot20CmnRlpRxPackets, dot20CmnRlpRxStatus,
11       dot20CmnRlpTxACKTimeouts, dot20CmnRlpTxBytes,
12       dot20CmnRlpTxDropBytes, dot20CmnRlpTxNAKTimeouts,
13       dot20CmnRlpTxPackets, dot20CmnRlpTxStatus,
14       dot20CmnRlpTxrDropPackets }
15    STATUS      current
16    DESCRIPTION
17      "The radio link layer statistics"
18    ::= { dot20Groups 7 }
19
20  dot20CmnAuthGroup OBJECT-GROUP
21    OBJECTS
22      { dot20CmnAuthFailureCounts, dot20CmnAuthSuccessCounts }
23    STATUS      current
24    DESCRIPTION
25      "The authentication protocol statistics"
26    ::= { dot20Groups 8 }
27
28  dot20CmnLowerMACGroup OBJECT-GROUP
29    OBJECTS
30      { dot20CmnAccessGrantCounts, dot20CmnFLABCounts,
31        dot20CmnFwdTxPacketCounts, dot20CmnRLABCounts,
32        dot20CmnRevRxPacketCounts }
33    STATUS      current
34    DESCRIPTION
35      "The lower mac sublayer statistics"
36    ::= { dot20Groups 9 }
37
38  dot20AnIdleStatePGroup OBJECT-GROUP
39    OBJECTS
40      { dot20AnAccessAttemptCounts, dot20AnAccessAttemptFailCounts,
41        dot20AnPageAttemptCounts, dot20AnPageFailureCounts }
42    STATUS      current
43    DESCRIPTION
44      "The An idle state protocol statistics"
45    ::= { dot20Groups 10 }
46
47  dot20AnOverheadGroup OBJECT-GROUP
48    OBJECTS
49      { dot20An16QamScchT2PRatio, dot20AnAccessCycleDuration,
50        dot20AnAccessRetryPersistance0, dot20AnAccessRetryPersistence1,
51        dot20AnAccessRetryPersistence2, dot20AnAccessRetryPersistence3,
52        dot20AnAccessRetryPersistence4, dot20AnAccessRetryPersistence5,
53        dot20AnAccessRetryPersistence6, dot20AnAccessRetryPersistence7,
54        dot20AnAckInterferenceOffset, dot20AnAnGroupId,
55        dot20AnAssignmentAckHARQTx, dot20AnBRCHSubzoneCyclingEnabled,
56        dot20AnBandClass, dot20AnCNumGuardSubcarriers,
57        dot20AnCDMAInterlacesBitmap, dot20AnCQIPilotTransmitPower,
58        dot20AnCdmaSubSegmentNum, dot20AnCellGroupId, dot20AnCellNullID,
59        dot20AnChannelBandAccessHashMask, dot20AnChannelBandRef,
60        dot20AnChannelBandShortId, dot20AnChannelNumber,
61        dot20AnCommonPilotTransmitPower, dot20AnCpichHoppingMode,
62        dot20AnCtrlAccessOffset, dot20AnCyclicPrefixLength,
63        dot20AnEffectiveTransmitPower, dot20AnEnableExpandedQPCH,
64        dot20AnErasureTargetCtoI0, dot20AnErasureTargetCtoI1,
65        dot20AnErasureTargetCtoI2, dot20AnErasureTargetCtoI3,
66        dot20AnFACKBandwidthFactor, dot20AnFFTSize,
67        dot20AnFDPICHCodeOffsetSubtree0, dot20AnFDPICHCodeOffsetSubtree1,
68        dot20AnFDPICHCodeOffsetSubtree2, dot20AnFDPICHCodeOffsetSubtree3,

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1      dot20AnFLReservedInterlaces, dot20AnFastIoTEnabled,
2      dot20AnFastOSIEnabled, dot20AnFLIotReportInterval,
3      dot20AnFLPcReportInterval, dot20AnFLPqiReportInterval,
4      dot20AnFLSdmaNumSubtrees, dot20AnFLSubzoneSize,
5      dot20AnHalfDuplexModeSupported, dot20AnHalfDuplexSupported,
6      dot20AnIfChannelBandRef, dot20AnLatitude, dot20AnLeapSeconds,
7      dot20AnLocalTimeOffset, dot20AnLongitude, dot20AnMacIdRange,
8      dot20AnMax16QamScchBlocks, dot20AnMaxNumLABs, dot20AnMaxNumSharedLABs,
9      dot20AnMaxProbesPerSequence, dot20AnMinScchResourceIndex,
10     dot20AnMobileCountryCode, dot20AnMobileNetworkCode,
11     dot20AnNeighborPilotID, dot20AnNeighborChannelShortID,
12     dot20AnNeighborSameANAsPrimSect, dot20AnNeighborSectorCellGroupId,
13     dot20AnNeighborSectorPilotGrpId, dot20AnNeighborChannelBandRef,
14     dot20AnNeighborSectorPointer, dot20AnNeighborSynchGroupId,
15     dot20AnNeighborEffTransmitPower, dot20AnNumAckableLABs,
16     dot20AnNumCmnPilotTxAnt, dot20AnNumCommonSegmentHopPorts,
17     dot20AnNumDRCHSubzones, dot20AnNumEffectiveAntennas,
18     dot20AnNumFLReservedSubzones,
19     dot20AnNumGuardSubcarriers, dot20AnNumLABSegments,
20     dot20AnNumOdccchReports, dot20AnNumRLCdmaSubsegments,
21     dot20AnNumResourceSubzones, dot20AnNumSilenceIntervalSubzone,
22     dot20AnOpenLoopAdjust, dot20AnOsiResponseMode,
23     dot20AnPdCabResSharingEnabled, dot20AnPilotGroupId, dot20AnPilotID,
24     dot20AnPilotThreshold1, dot20AnPilotThreshold2,
25     dot20AnPrimaryRegZoneCode, dot20AnProbeRampUpStepSize,
26     dot20AnRabEnabled, dot20AnRackBandwidthFactor,
27     dot20AnReqQoSPowerBoost, dot20AnResourceChannelMuxMode,
28     dot20AnResourceSetBitmap, dot20AnResourceSetSubZoneSpacing,
29     dot20AnResourceSubzoneOffset, dot20AnReverseChannelBandClass,
30     dot20AnReverseChannelNumber, dot20AnRlAuxPilotPower,
31     dot20AnRlDpichCodeOffsetSubtree0, dot20AnRlDpichCodeOffsetSubtree1,
32     dot20AnRlDpichCodeOffsetSubtree2, dot20AnRlDpichCodeOffsetSubtree3,
33     dot20AnRlNumSdmaDimensions, dot20AnModSymbolsPerQPSKLAB,
34     dot20AnSFNCeIIID, dot20AnSecRegZoneCode, dot20AnSectorID,
35     dot20AnSilenceIntervalDuration, dot20AnSilenceIntervalPeriod,
36     dot20AnSinglePAForXCarriers, dot20AnSlowInterferenceOffset,
37     dot20AnSupportedIpsi, dot20AnSynchronousGroupId, dot20AnSystemType,
38     dot20AnTechNghbrListLength, dot20AnTechnologyNeighborList,
39     dot20AnTechnologyType, dot20AnTotalNumSubcarriers,
40     dot20AnUseDrchForFlcs, dot20AnRlSubzoneSize }
41     STATUS current
42     DESCRIPTION "The overhead messages protocol configuration"
43     ::= { dot20Groups 11 }
44
45 dot20AnOverheadGroup2 OBJECT-GROUP
46     OBJECTS
47         { dot20AnChannelBandStatus, dot20AnIpsiRowStatus,
48           dot20AnNeighborRowStatus, dot20AnNeighborSectorStatus,
49           dot20AnOtherTechNghbrRowStatus, dot20AnResourceSetRowStatus,
50           dot20AnSecondaryRegZoneRowStatus,
51           dot20AnSectorCdmaSubSegRowStatus, dot20AnSectorConfigRowStatus,
52           dot20AnSectorExtChanRowStatus, dot20AnSectorParamRowStatus }
53     STATUS current
54     DESCRIPTION
55         "If the MIB is created with pre-configured sector list tables and
56         neighbor list tables, this Overhead Group is unnecessary. Otherwise,
57         these items are used to add rows to these tables in the MIB, so
58         that additional sectors and/or neighbors can be added after MIB
59         creation, through SNMPv2."
60     ::= { dot20Groups 12 }
61
62 dot20Compliances OBJECT IDENTIFIER ::= { dot20Conformance 2 }
63
64 dot20AnCompliance MODULE-COMPLIANCE
65     STATUS current
66     DESCRIPTION
67         "The compliance statement for SNMPv2 entities that implement
68         the IEEE 802.20 MIB for the An."

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```
1  MODULE      IEEE802dot20-MIB
2      MANDATORY-GROUPS
3          { dot20AnIdleStatePGroup, dot20AnOverheadGroup,
4            dot20CmnAuthGroup, dot20CmnConnectedStatePGroup,
5            dot20CmnKeyExchangePGroup, dot20CmnLowerMACGroup,
6            dot20CmnRadioLinkGroup, dot20CmnSessionMgtPGroup }
7      GROUP      dot20AnOverheadGroup2
8      DESCRIPTION
9          "This group is required only if 'dynamic assignment' of
10         rows in the OverheadGroup tables is supported."
11 ::= { dot20Compliances 1 }
12
13 END
14
```