
Title: Missing UCD and DCD Change Counts in MIB

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Re: IEEE 802.16 Working Group Letter Ballot Recirculation #26d, as announced in IEEE 802.16-08/029

Abstract: The UCD and DCD change count parameters are missing in the MIBS.

Purpose: Discuss and adopt

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Missing UCD and DCD Change Counts in MIB

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1 Introduction
Attributes in the MIBs are needed to configure the BS to broadcast the correct value in the UCD/DCD Configuration Change Count fields in the MOB_NBR-ADV message and in the UCD and DCD messages themselves. These are currently missing.

2 Proposed Changes
On page 1610, line 47, add an new entry as follows:

WmanIf2mBsNeighborBsOfdmaUcdEntry ::= SEQUENCE {
  wmanIf2mBsOfdmaCtBasedResvTimeout       Integer32,
  wmanIf2mBsOfdmaUplinkCenterFreq         Unsigned32,
  wmanIf2mBsOfdmaUlRadioResource           Integer32,
  wmanIf2mBsOfdmaHandoverRangingStart     Integer32,
  wmanIf2mBsOfdmaHandoverRangingEnd       Integer32,
  wmanIf2mBsOfdmaUlAmcAlloPhyBandsBitmap  OCTET STRING,
  wmanIf2mBsOfdmaInitRngCodes             Integer32,
  wmanIf2mBsOfdmaPeriodicRngCodes         Integer32,
  wmanIf2mBsOfdmaBWReqCodes               Integer32,
  wmanIf2mBsOfdmaPermutationBase          Integer32,
  wmanIf2mBsOfdmaULAllocSubchBitmap       OCTET STRING,
  wmanIf2mBsOfdmaOptPermULAlocSubchBitmap OCTET STRING,
  wmanIf2mBsOfdmaBandAMCAlocThreshold     Integer32,
  wmanIf2mBsOfdmaBandAMCReleaseThreshold  Integer32,
  wmanIf2mBsOfdmaBandAMCAlocTimer         Integer32,
  wmanIf2mBsOfdmaBandAMCReleaseTimer      Integer32,
  wmanIf2mBsOfdmaBandStatRepMAXPeriod     Integer32,
  wmanIf2mBsOfdmaSafetyChAllocThreshold   Integer32,
  wmanIf2mBsOfdmaSafetyChReleaseThreshold Integer32,
  wmanIf2mBsOfdmaSafetyChAllocTimer       Integer32,
  wmanIf2mBsOfdmaSafetyChReleaseTimer     Integer32,
  wmanIf2mBsOfdmaBinStatusReportMaxPeriod Integer32,
  wmanIf2mBsOfdmaSafetyChRetryTimer       Integer32,
  wmanIf2mBsOfdmaHARQAckDelayDLBurst     WmanIf2TcHarqAckDelay,
  wmanIf2mBsOfdmaCqichBandAmcTransDelay   Integer32,
  wmanIf2mBsOfdmaMaxRetransmission       Integer32,
  wmanIf2mBsOfdmaNormalizedCnOverride     OCTET STRING,
  wmanIf2mBsOfdmaSizeOfCqichId            Integer32,
  wmanIf2mBsOfdmaNormalizedCnValue        Integer32,
  wmanIf2mBsOfdmaNormalizedCnOverride2    OCTET STRING,
On page 1623, line 28, add a new entry as follows:

```
On page 1623, line 28, add a new entry as follows:

wmanIf2mBsOfdmaUcdConfigChangeCount OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "This represents the neighbor BS current UCD configuration change count."
::= { wmanIf2mBsNeighborBsOfdmaUcdEntry 66 }
```

On page 1624, line 16, add a new entry as follows:

```
WmanIf2mBsNeighborBsOfdmaDcdEntry ::= SEQUENCE {
    wmanIf2mBsOfdmaEirp Integer32,
    wmanIf2mBsOfdmaChannelNumber WmanIf2TcChannelNumber,
    wmanIf2mBsOfdmaTTG Integer32,
    wmanIf2mBsOfdmaRTG Integer32,
    wmanIf2mBsOfdmaMaxEirp Integer32,
    ...
}
```
On page 1630, line 13, add a new entry as follows:

```plaintext
wmanIf2mBsOfdmaDcdConfigChangeCount OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION "This represents the neighbor BS current DCD configuration change count."
::= { wmanIf2mBsNeighborBsOfdmaUcdEntry 26 }
```

On page 1472, line 23, add a new entry as follows:

```plaintext
WmanIf2BsCmnPhyUplinkChannelEntry ::= SEQUENCE {
    wmanIf2BsCmnPhyCtBasedResvTimeout       Integer32,
    wmanIf2BsCmnPhyUplinkCenterFreq         Unsigned32,
    wmanIf2BsCmnPhyHoRangingStart           Integer32,
    wmanIf2BsCmnPhyHoRangingEnd             Integer32,
    wmanIf2BsCmnPhyUlRadioResource          Integer32,
    wmanIf2BsCmnPhyUlConfigChangeCount      Integer32
}
```

On page 1473, line 15, add a new entry as follows:

```plaintext
wmanIf2BsCmnPhyUlConfigChangeCount OBJECT-TYPE
SYNTAX Integer32
MAX-ACCESS read-write
STATUS current
DESCRIPTION
On page 1473, line 61, add an new entry as follows:

WmanIf2BsCmnPhyDownlinkChannelEntry ::= SEQUENCE {
  wmanIf2BsCmnPhyBsEIRP                   Integer32,
  wmanIf2BsCmnPhyChannelNumber           WmanIf2TcChannelNumber,
  wmanIf2BsCmnPhyMaxEirp                 Integer32,
  wmanIf2BsCmnPhyDownlinkCenterFreq      Unsigned32,
  wmanIf2BsCmnPhyBsId                    WmanIf2TcBsIdType,
  wmanIf2BsCmnPhyMacVersion              WmanIf2TcMacVersion,
  wmanIf2BsCmnPhyCyclicPrefix            WmanIf2TcoOfdmaCp,
  wmanIf2BsCmnPhyDlRadioResource         Integer32,
  wmanIf2BsCmnPhyHysteresisMargin        Integer32,
  wmanIf2BsCmnPhyTimeToTriggerDuration   Integer32,
  wmanIf2BsCmnPhyMihCapability           WmanIf2TcMihCapability,
  wmanIf2BsCmnPhyNspChangeCount          Integer32,
  wmanIf2BsCmnPhyCellType                Integer32,
  wmanIf2BsCmnPhyBsRestartCount          Integer32,
  wmanIf2BsCmnPhyDlConfigChangeCount     Integer32
}

On page 1476, line 54, add an new entry as follows:

WmanIf2BsCmnPhyDlConfigChangeCount OBJECT-TYPE
SYNTAX       Integer32
MAX-ACCESS   read-only
STATUS       current
DESCRIPTION   "This represents the BS current DCD configuration change count."
 ::= { wmanIf2BsCmnPhyDownlinkChannelEntry 15 }