

Project	<b>IEEE 802.16 Broadband Wireless Access Working Group</b> < <a href="http://ieee802.org/16">http://ieee802.org/16</a> >		
Title	<b>Missing UCD and DCD Change Counts in MIB</b>		
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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,
    wmanIf2mBsOfdmaPeriodRngBackoffStart  Integer32,
    wmanIf2mBsOfdmaPeriodRngBackoffEnd   Integer32,
    wmanIf2mBsOfdmaStartOfRngCodes        Integer32,
    wmanIf2mBsOfdmaPermutationBase        Integer32,
    wmanIf2mBsOfdmaULAllocSubchBitmap     OCTET STRING,
    wmanIf2mBsOfdmaOptPermULAllocSubchBitmap OCTET STRING,
    wmanIf2mBsOfdmaBandAMCAllocThreshold  Integer32,
    wmanIf2mBsOfdmaBandAMCReleaseThreshold Integer32,
    wmanIf2mBsOfdmaBandAMCAllocTimer      Integer32,
    wmanIf2mBsOfdmaBandAMCReleaseTimer    Integer32,
    wmanIf2mBsOfdmaBandStatRepMAXPeriod   Integer32,
    wmanIf2mBsOfdmaBandAMCRetryTimer      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,

```

wmanIf2mBsOfdmaBandAmcEntryAvgCinr	Integer32,
wmanIf2mBsOfdmaAasPreambleUpperBond	Integer32,
wmanIf2mBsOfdmaAasPreambleLowerBond	Integer32,
wmanIf2mBsOfdmaAasBeamSelectAllowed	WmanIf2TcAasBeamSel,
wmanIf2mBsOfdmaCqichIndicationFlag	OCTET STRING,
wmanIf2mBsOfdmaMsUpPowerAdjStep	Unsigned32,
wmanIf2mBsOfdmaMsDownPowerAdjStep	Unsigned32,
wmanIf2mBsOfdmaMinPowerOffsetAdj	Integer32,
wmanIf2mBsOfdmaMaxPowerOffsetAdj	Integer32,
wmanIf2mBsOfdmaHandoverRangingCodes	Integer32,
wmanIf2mBsOfdmaInitialRangingInterval	Integer32,
wmanIf2mBsOfdmaTxPowerReport	WmanIf2TcTxPowerReport,
wmanIf2mBsOfdmaNormalizedCnChSounding	Integer32,
wmanIf2mBsOfdmaInitialRngBackoffStart	Integer32,
wmanIf2mBsOfdmaInitialRngBackoffEnd	Integer32,
wmanIf2mBsOfdmaBwRequestBackoffStart	Integer32,
wmanIf2mBsOfdmaBwRequestBackoffEnd	Integer32,
wmanIf2mBsOfdmaUlPuscSubChRotation	Integer32,
wmanIf2mBsOfdmaRelPwrOffetUlHarqBurst	Integer32,
wmanIf2mBsOfdmaRelPwrOffetUlMacMgmBurst	Integer32,
wmanIf2mBsOfdmaUlInitialTxTiming	Integer32,
wmanIf2mBsOfdmaFastFeedbackRegion	WmanIf2TcFastFeedback,
wmanIf2mBsOfdmaHarqAckRegion	WmanIf2TcHarqAckRegion,
wmanIf2mBsOfdmaRangingRegion	WmanIf2TcRangingRegion,
wmanIf2mBsOfdmaSoundingRegion	WmanIf2TcSoundingRegion,
wmanIf2mBsOfdmaMsTxPowerLimit	Integer32,
wmanIf2mBsOfdmaHfddGroupSwitchDelay	Integer32,
wmanIf2mBsOfdmaFrameOffset	WmanIf2TcFrameOffset,
wmanIf2mBsOfdmaNumOfPowerControlBits	WmanIf2TcPwrCntlBits,
wmanIf2mBsOfdmaFddDlInterGroupGap	WmanIf2TcFddDlGrpGap,
wmanIf2mBsOfdmaFddPartitionChange	Integer32,
wmanIf2mBSOfdmaUcdConfigChangeCount	Integer32}

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

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

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

WmanIf2mBsNeighborBsOfdmaDcdEntry ::= SEQUENCE {	
wmanIf2mBsOfdmaBsEIRP	Integer32,
wmanIf2mBsOfdmaChannelNumber	WmanIf2TcChannelNumber,
wmanIf2mBsOfdmaTTG	Integer32,
wmanIf2mBsOfdmaRTG	Integer32,
wmanIf2mBsOfdmaMaxEirp	Integer32,

wmanIf2mBsOfdmaDownlinkCenterFreq	Unsigned32,
wmanIf2mBsOfdmaBsId	OCTET STRING,
wmanIf2mBsOfdmaMacVersion	WmanIf2TcMacVersion,
wmanIf2mBsOfdmaDlRadioResource	Integer32,
wmanIf2mBsOfdmaHARQAackDelayULBurst	WmanIf2TcHarqAckDelay,
wmanIf2mBsOfdmaHarqZonePermutation	WmanIf2TcPermutationTyp,
wmanIf2mBsOfdmaHMaxRetransmission	Integer32,
wmanIf2mBsOfdmaRssiCinrAvgParameter	WmanIf2TcRssiCinrAvg,
wmanIf2mBsOfdmaDlAmcAlloPhyBandsBitmap	OCTET STRING,
wmanIf2mBsOfdmaHandoverSupported	WmanIf2TcHoSupportType,
wmanIf2mBsOfdmaThresholdAddBsDivSet	Integer32,
wmanIf2mBsOfdmaThresholdDelBsDivSet	Integer32,
wmanIf2mBsOfdmaAsrSlotLength	Integer32,
wmanIf2mBsOfdmaAsrSwitchingPeriod	Integer32,
wmanIf2mBsOfdmaHysteresisMargin	Integer32,
wmanIf2mBsOfdmaTimeToTrigger	Integer32,
wmanIf2mBsOfdmaMihCapability	WmanIf2TcMihCapability,
wmanIf2mBsOfdmaNspChangeCount	Integer32,
wmanIf2mBsOfdmaCellType	Integer32,
wmanIf2mBsOfdmaRestartCount	Integer32,
<u>wmanIf2mBSOfdmaDcdConfigChangeCount</u>	<u>Integer32</u> }

On page 1630, line 13, add a new entry as follows:

wmanIf2mBsOfdmaDcdConfigChangeCount OBJECT-TYPE

<u>SYNTAX</u>	<u>Integer32</u>
<u>MAX-ACCESS</u>	<u>read-write</u>
<u>STATUS</u>	<u>current</u>
<u>DESCRIPTION</u>	

"This represents the neighbor BS current DCD configuration change count."

::= { wmanIf2mBsNeighborBsOfdmaUcdEntry 26 }

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

WmanIf2BsCmnPhyUplinkChannelEntry ::= SEQUENCE {	
wmanIf2BsCmnPhyCtBasedResvTimeout	Integer32,
wmanIf2BsCmnPhyUplinkCenterFreq	Unsigned32,
wmanIf2BsCmnPhyHoRangingStart	Integer32,
wmanIf2BsCmnPhyHoRangingEnd	Integer32,
wmanIf2BsCmnPhyUlRadioResource	Integer32,
<u>wmanIf2BsCmnPhyUlConfigChangeCount</u>	<u>Integer32</u> }

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

wmanIf2BsCmnPhyUlConfigChangeCount OBJECT-TYPE

<u>SYNTAX</u>	<u>Integer32</u>
<u>MAX-ACCESS</u>	<u>read-write</u>
<u>STATUS</u>	<u>current</u>
<u>DESCRIPTION</u>	

" This represents the BS current UCD configuration  
change count."  
 ::= { wmanIf2BsCmnPhyUplinkChannelEntry 6 }

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           WmanIf2TcOfdmaCp,
    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 }