

Document under Review: **IEEE P802.16f/D3**

Ballot Number: **0000998**

Comment Date

Comment # **155**

Comment submitted by: David

Castelow

Member

2005-04-27

Comment Type **Technical, Binding** Starting Page # **72** Starting Line # **5** Fig/Table# Section **14**

In the description for wmanIfBsChannelMeasurementEntry, the instruction is to increment by 1 and wrap around when it reaches the limit. What is this limit? Is this just the length of the sequence (i.e. the size of the wmanIfBsChannelMeasurementTable)? If it is the 2^32, then is there an implication re storage of values?

The

Quote from description:

Each entry in the table contains RSSI and CINR signal quality measurement on signal received from the SS. The primary index is the ifIndex with ifType of propBWAp2Mp identifying the BS sector. wmanIfBsSsMacAddress identifies the SS from which the signal was received. wmanIfBsChannelDirection is the index to the direction of the channel. wmanIfBsHistogramIndex is the index to histogram samples. Since there is no time stamp in the table, wmanIfBsHistogramIndex should be increased monotonically, and warps around when it reaches the limit."

Suggested Remedy

Page 72, line 5.

Clarify the meaning of the "limit" in both wmanIfBsChannelMeasurementEntry and wmanIfBsChannelMeasurementTable.

Proposed Resolution Recommendation: **Accepted-Modified**

Recommendation by

Change the description from "Each entry in the table contains RSSI and CINR signal quality measurement on signal received from the SS. The primary index is the ifIndex with ifType of propBWAp2Mp identifying the BS sector. wmanIfBsSsMacAddress identifies the SS from which the signal was received. wmanIfBsChannelDirection is the index to the direction of the channel. wmanIfBsHistogramIndex is the index to histogram samples. Since there is no time stamp in the table, wmanIfBsHistogramIndex should be increased monotonically, and warps around when it reaches the limit."

to

Each entry in the table contains RSSI and CINR

Each entry in the table contains RSSI and CINR signal quality measurement on signal received from the SS. The primary index is the ifIndex with ifType of propBWAp2Mp identifying the BS sector. wmanIfBsSsMacAddress identifies the SS from which the signal was received. wmanIfBsChannelDirection is the index to the direction of the channel. wmanIfBsHistogramIndex is the index to histogram samples. Since there is no time stamp in the table, wmanIfBsHistogramIndex should be increased monotonically, and wraps around when it reaches the implementation specific limit."

Reason for Recommendation**Resolution of Group****Decision of Group: Accepted-Modified**

Change the description from "Each entry in the table contains RSSI and CINR signal quality measurement on signal received from the SS. The primary index is the ifIndex with ifType of propBWAp2Mp identifying the BS sector. wmanIfBsSsMacAddress identifies the SS from which the signal was received. wmanIfBsChannelDirection is the index to the direction of the channel. wmanIfBsHistogramIndex is the index to histogram samples. Since there is no time stamp in the table, wmanIfBsHistogramIndex should be increased monotonically, and wraps around when it reaches the limit."

to

Each entry in the table contains RSSI and CINR signal quality measurement on signal received from the SS. The primary index is the ifIndex with ifType of propBWAp2Mp identifying the BS sector. wmanIfBsSsMacAddress identifies the SS from which the signal was received. wmanIfBsChannelDirection is the index to the direction of the channel. wmanIfBsHistogramIndex is the index to histogram samples. Since there is no time stamp in the table, wmanIfBsHistogramIndex should be increased monotonically, and wraps around when it reaches the implementation specific limit."

Reason for Group's Decision/Resolution**Group's Notes****Group's Action Items**

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Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

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Document under Review: **IEEE P802.16f/D3**

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Comment Date

Comment # **339L**

Comment submitted by: Mike

Geipel

Member

2005/04/30

Comment Type **Technical, Binding** Starting Page # **4** Starting Line # **34** Fig/Table# Section **9.3.1.**

There is no interoperable method yet described to use of "other protocols for SS management".

This statement needs to be removed and handled in 802.16g documentation.

Proxy behavior for SNMP mode is ill-defined, and represents a loss of information for SS management by NMS. It also constitutes a new mandatory requirement for the BS, given only optional support by SS.

Suggested Remedy

Remove the paragraph describing "SNMP proxy" behavior and other protocols.

[Alternatively, someone could create a table for each SS value indicating whether the information is known by the BS either: because the BS knows about synchronized state info (1), via cached SNMP polls (2), via on-demand SNMP polls (3), other notification methods (4?), or is unknowable by the BS (5).]

As a side note, I expect that the author had actually meant to say "relay" rather than "proxy". A proxy implies that the BS is actually intercepting SNMP requests from the network management framework that was intended for the SS. Whereas in the case of a "relay", the BS is being asked about the SS state, explicitly.

Proposed Resolution Recommendation: **Accepted-Modified** Recommendation by

Remove the paragraph describing "SNMP proxy" behavior and other protocols.

Reason for Recommendation

Resolution of Group Decision of Group: **Accepted-Modified**

Remove the paragraph describing "SNMP proxy" behavior and other protocols.

Reason for Group's Decision/Resolution

2005/06/27

IEEE 802.16-05/022r7

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

2005/06/27

IEEE 802.16-05/022r7

Document under Review: **IEEE P802.16f/D3**

Ballot Number: **0000998**

Comment Date

Comment # **323L**

Comment submitted by: Mike

Geipel

Member

2005/04/30

Comment Type **Technical, Binding** Starting Page # **27** Starting Line # **40** Fig/Table# Section **14.**

The indicated page & line number is just the first instance...

SMLv1 recommends not to use 0 in enumerated integer values.
See RFC2578, Sect.7.1.1

The following are all zero-based enumerated integers:

WmanIfPhsRuIVerifyType: phsVerifyEnable
WmanIfCsSpecification: noCs
WmanIfDataEncryptAlgId: none
WmanIfDataAuthAlgId: noDataAuthentication
WmanIfOfdmFecCodeType: bpskCc1-2
WmanIfOfdmaFecCodeType: qpskCc1-2
WmanIfArqSupportType: arqNotSupported
WmanIfMacCrcSupport: noMacCrcSupport
WmanIfIpVersionType: undefined
WmanIfPhsSupportType: noPhsSupport
wmanIfBsQoSFixedVsVariableSdulnd: variableLength
wmanIfBsClassifierRuleEnetProtocolType: none
wmanIfBsSsResetCounter: null
wmanIfBsSsManagementSupport: unmanagedSs
wmanIfBsSsIpManagementMode: unmanaged
wmanIfBsSsAasBroadcastPermission: contBasedBwReqPermitted
wmanIfBsCfgExtAutoSfidEnabled: autoSfidDisabled
wmanIfBsCfgExtAasChanFbckReqResolution: aasChanFbckRes00
wmanIfBsCfgExtAasBeamReqResolution: aasBeamReqRes000
wmanIfBsCfgExtResetSector: actionResetSectorNoAction
wmanIfBsSsMacCounterReset: null
wmanIfBsSsActionsResetSs: actionsResetSsNoAction
wmanIfBsSsActionsAbortSs: actionsAbortSsNoAction
wmanIfBsSsActionsDeReRegSs: actionsDeReRegSsNoAction
wmanIfBsSsActionsDeReRegSsCode: actionsDeReRegSsCodeChangeChan
wmanIfBsSsPkmAuthRejectErrorCode: noInformation
wmanIfBsSsPkmAuthInvalidErrorCode: noInformation
wmanIfBsSsPkmAuthValidStatus: unknown
wmanIfBsPkmTekSAType: primarySA
wmanIfBsPkmKeyRejectErrorCode: noInformation
wmanIfBsPkmTekInvalidErrorCode: noInformation
wmanIfBsPowerStatus: priOnSecStandby
wmanIfBsOfdmSubChReqRegionFull: oneSubchannel
wmanIfBsOfdmFrameDurationCode: duration2dot5ms

```

wmanIfBsOfdmUcdTcsEnable: tcsDisabled
wmanIfBsOfdmTcsEnable: tcsDisabled
wmanIfBsOfdmDnlkRateId: dnlkRateIdBpsk1-2
wmanIfBsOfdmaFrameDurationCode: aASGap
wmanIfBsSntpAgentResetBs: actionResetBsNoAction
wmanIfSsPkmTekSAType: primarySA
wmanIfSsOfdmSubChReqRegionFull: oneSubchannel
wmanIfSsOfdmFrameDurationCode: duration2dot5ms
wmanIfSsOfdmUcdTcsEnable: tcsDisabled
wmanIfSsOfdmTcsEnable: tcsDisabled
wmanIfSsOfdmaFrameDurationCode: aASGap
wmanIfCmnClassifierRuleEnetProtocolType: none
wmanIfCmnCpsFixedVsVariableSduInd: variableLength

```

Please renumber them so that they are not zero-based enumerations.

Suggested Remedy

Please make sure that integer enumerations are not zero-based. Redefine them as appropriate. (They should also be defined as a specific size integer, like Integer32 for SMIv2.)

Proposed Resolution

To reject this proposal.

Recommendation: **Rejected**

Recommendation by

Reason for Recommendation

The enumerations use the "0" constants as defined in the 802.16 standard. RFC2578 actually allows any value of Integer32.

Resolution of Group

Decision of Group: **Rejected**

For: 0

Against:3

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

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IEEE 802.16-05/022r7

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

Editor's Action Items

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Document under Review: **IEEE P802.16f/D3**

Ballot Number: **0000998**

Comment Date

Comment # **326L**

Comment submitted by: Mike

Geipel

Member

2005/04/30

Comment Type **Technical, Binding** Starting Page # **63** Starting Line # **56** Fig/Table# Section **14.**

The following tables have read-write row status (instead of read-create).

wmanIfBsConfigurationTable
wmanIfBsConfigExtTable
wmanIfBsCapabilitiesConfigTable
wmanIfBsOfdmCapabilitiesConfigTable
wmanIfSsConfigurationTable
wmanIfCmnBsSsConfigurationTable

Suggested Remedy

Change the indicated row-status from read-write to read-create.

Proposed Resolution Recommendation: **Accepted-Modified**

Recommendation by

Remove the row status from the tables below

wmanIfBsConfigurationTable
wmanIfBsConfigExtTable
wmanIfBsCapabilitiesConfigTable
wmanIfBsOfdmCapabilitiesConfigTable
wmanIfSsConfigurationTable
wmanIfCmnBsSsConfigurationTable

Reason for Recommendation

The entries in the following tables are read-write, so row status is not needed.

wmanIfBsConfigurationTable
wmanIfBsConfigExtTable
wmanIfBsCapabilitiesConfigTable
wmanIfBsOfdmCapabilitiesConfigTable
wmanIfSsConfigurationTable
wmanIfCmnBsSsConfigurationTable

Resolution of Group

Decision of Group: Accepted-Modified

Remove the row status from the tables below

wmanIfBsConfigurationTable
wmanIfBsConfigExtTable
wmanIfBsCapabilitiesConfigTable
wmanIfBsOfdmCapabilitiesConfigTable
wmanIfSsConfigurationTable
wmanIfCmnBsSsConfigurationTable

Reason for Group's Decision/Resolution

The entries in the following tables are read-write, so row status is not needed.

wmanIfBsConfigurationTable
wmanIfBsConfigExtTable
wmanIfBsCapabilitiesConfigTable
wmanIfBsOfdmCapabilitiesConfigTable
wmanIfSsConfigurationTable
wmanIfCmnBsSsConfigurationTable

Group's Notes

Group's Action Items

Editor's Notes **Editor's Actions** k) done

Editor's Questions and Concerns

Editor's Action Items

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Document under Review: **IEEE P802.16f/D3**

Ballot Number: **0000998**

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Comment # **327L**

Comment submitted by: Mike

Geipel

Member

2005/04/30

Comment Type **Technical, Binding** Starting Page # **116** Starting Line # **11** Fig/Table# Section **14.**
The EventLog and associated config tables seem to be clunky.

Suggested Remedy

Instead of defining our own, we should take advantage of existing work, such as:
RFC 3878: Alarm Reporting Control MIB
RFC 3014: Notification Log MIB
RFC 2981: Event MIB

I believe that RFC 3014 suits our purpose the best.

Proposed Resolution Recommendation: **Accepted-Modified** Recommendation by
No action required

Reason for Recommendation

We already use RFC3014 as the basis; however, we have removed some of the complexities, and have added a few features that are beneficial to 802.16/2004.

Resolution of Group Decision of Group: **Accepted-Modified**
No action required

Reason for Group's Decision/Resolution

We already use RFC3014 as the basis; however, we have removed some of the complexities, and have added a few features that are beneficial to 802.16/2004.

Group's Notes

Group's Action Items

Editor's Notes Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

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Document under Review: **IEEE P802.16f/D3**

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Comment # **324L**

Comment submitted by: Mike

Geipel

Member

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Comment Type **Technical, Binding** Starting Page # **116** Starting Line # **31**

Fig/Table# Section **14.**

The BS Event log configuration (wmanIfBsEventLogConfigTable) is indexed by ifIndex.

So, there could be multiple entries in this table.

There is no corresponding index for wmanIfBsEventLogTable.

The same is true for for wmanIfSsEventLogConfigTable and wmanIfSsEventTable.

Suggested Remedy

Provide the same indexing options for the EventLog and each corresponding ConfigTable.

(indexed by IfIndex)

Proposed Resolution Recommendation: Accepted-Modified

Recommendation by

See the resolutions in comments of 183 and 332L

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

See the resolutions in comments of 183 and 332L

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

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Comment Date

Comment # **325L**

Comment submitted by: Mike

Geipel

Member

2005/04/30

Comment Type **Technical, Binding** Starting Page # **121** Starting Line # **32** Fig/Table# Section **14.**

The following tables contain read-create row status column but the remaining columns are read-write.

wmanIfBsOfdmUplinkChannelTable
wmanIfBsOfdmDownlinkChannelTable
wmanIfBsOfdmaUplinkChannelTable
wmanIfBsOfdmaDownlinkChannelTable

This should be considered an error.

Suggested Remedy

Change columns that may be created via row status to read-create.

Proposed Resolution Recommendation: **Accepted-Modified**

Recommendation by

Remove the row status of the following tables

wmanIfBsOfdmUplinkChannelTable
wmanIfBsOfdmDownlinkChannelTable
wmanIfBsOfdmaUplinkChannelTable
wmanIfBsOfdmaDownlinkChannelTable

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

Remove the row status of the following tables

wmanIfBsOfdmUplinkChannelTable
wmanIfBsOfdmDownlinkChannelTable
wmanIfBsOfdmaUplinkChannelTable
wmanIfBsOfdmaDownlinkChannelTable

Reason for Group's Decision/Resolution

Group's Notes

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Group's Action Items

Editor's Notes

Editor's Actions [k\) done](#)

Editor's Questions and Concerns

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Document under Review: **IEEE P802.16f/D3**

Ballot Number: **0000998**

Comment Date

Comment # **332L**

Comment submitted by: Mike

Geipel

Member

2005/04/30

Comment Type **Technical, Binding** Starting Page # **154** Starting Line # **50** Fig/Table# Section **14.**

The WMAN-IF-MIB is defined under the "transmission" arc, as is typical for managed objects that must be indexed by ifIndex. But this MIB contains a large number of elements that are not interface-specific.

Consider these management objects that are device attributes and are not tied to an interface:

The "wmanIfBsSnmpAgentConfigTable" (p.154) is a table with a fixed number of rows (1).

```
WmanIfBsSnmpAgentConfigEntry ::= SEQUENCE {
    wmanIfBsSnmpAgentConfigIndex      INTEGER,
    wmanIfBsSnmpAgentV1V2TrapDestIpAddrType  InetAddressType,
    wmanIfBsSnmpAgentV1V2TrapDestIpAddr      InetAddress,
    wmanIfBsSnmpAgentV1V2TrapDestPort      Integer32,
    wmanIfBsSnmpAgentResetBs              INTEGER,
    wmanIfBsSnmpAgentConfigRowStatus      RowStatus}
```

The "wmanIfSsConfigFileEncodingTable" (p. 156) is a table with a fixed number of rows (1).

```
WmanIfSsConfigFileEncodingEntry ::= SEQUENCE {
    wmanIfSsMicConfigSetting      OCTET STRING,
    wmanIfSsVendorId              OCTET STRING,
    wmanIfSsHwId                  OCTET STRING,
    wmanIfSsSwVersion              OCTET STRING,
    wmanIfSsUpgradeFileName        OCTET STRING,
    wmanIfSsSwUpgradeTftpServer    InetAddress,
    wmanIfSsTftpServerTimeStamp    DateAndTime}
```

Similarly, trap bits defined for "wmanIfBsTrapControlRegister" (p.108) include

```
wmanIfBsPowerStatusChange
wmanIfBsFanStatusChange
wmanIfBsTemperatureChange
wmanIfBsEvent
```

It is hard to understand why "wmanIfBsFanStatusChange" is in an IF-MIB.

Suggested Remedy

Remove these management objects from the wmanIf arc (this MIB).
Move these management objects to the arc already defined for ieee802

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move these management objects to the already defined for IEEE802 devices.

Namely iso(1).std(0).iso8802(8802).

Consider iso(1).std(0).iso8802(8802).wman(16).wmanDev(1) ...

See section 13.2 of the 802b-2004 standard.

More examples of how this is used are discussed in section 2.9 of:
[grouper.ieee.org/groups/802/802_tutorials/chair_guidelines_1-6.pdf]
Or [ieee802.org/secmail/pdf00157.pdf]

It is inappropriate for the interface MIB to contain elements that are not specific to the RF interface we're describing. There are numerous needs which need to be incorporated into a WMAN-DEV-MIB".

***** eor *****

Examples I found with a quick google search:
iso(1).std(0).iso8802(8802).ieee802dot1(1).ieee802dot1mibs(1).
iso(1).std(0).iso8802(8802).csma(3).hubmgt(18).
iso(1).std(0).iso8802(8802).csma(3).mauMgt(20).

Proposed Resolution **Recommendation: Accepted-Modified** **Recommendation by**

Editor to create Device MIB--WMAN-DEV-MIB in iso(1).std(0).iso8802(8802).wman(16).wmanDev(1) .. following the guidelines in grouper.ieee.org/groups/802/802_tutorials/chair_guidelines_1-6.pdf] and [ieee802.org/secmail/pdf00157.pdf]

Editor to move wmanIfBsSnmpAgentConfigTable, wmanIfSsConfigFileEncodingTable, tables under wmanIfBsEventLog and wmanIfSsEventLog subtree, and other appropriate tables (e.g. device related traps) to WMAN-DEV-MIB

Editor to remove ifIndex, and create appropriate index for tables moved to WMAN-DEV-MIB.

Reason for Recommendation

Krzysztof's research report:

What do they want:

- Use other standard MIBs instead of wmanIfBsSnmpAgentConfigTable (#215)
- Move PHY, MAC, device tables to different MIBs (#330L, #331L)
- Move event log to device MIB (#183, #235)

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- Move wmanIfBsSnmpAgentConfigTable, wmanIfSsConfigFileEncodingTable to device MIB
- Move PHY to differnet MIB (#185)

Research report:

- There is no generic standard defining the SNMP traps destination for SNMPv1v2
- There are some generic standard defining the destination for infos, notifications and event too complex to just address this simple purpose we have
- Various application specific standards have their own MIB objects for the same purpose (e.g. DOCSIS) and it is normally in a separate MIB (device MIB)
- There are examples of single destination configuration as well as multiple destination configuration. So we seems to be OK with our single destination.
- Device MIB seems to be very common solution across various application specific standards to contain non interface objects.

Options:

1. No change
2. Remove wmanIfBsSnmpAgentConfigTable
3. Create Device MIB and move wmanIfBsSnmpAgentConfigTable, wmanIfSsConfigFileEncodingTable, event log to device MIB

Resolution of Group

Decision of Group: Accepted-Modified

Editor to create Device MIB--WMAN-DEV-MIB in iso(1).std(0).iso8802(8802).wman(16).wmanDev(1) .. following the guidelines in grouper.ieee.org/groups/802/802_tutorials/chair_guidelines_1-6.pdf and [ieee802.org/secmail/pdf00157.pdf]

Editor to move wmanIfBsSnmpAgentConfigTable, wmanIfSsConfigFileEncodingTable, tables under wmanIfBsEventLog and wmanIfSsEventLog subtree, and other appropriate tables (e.g. device related traps) to WMAN-DEV-MIB

Editor to remove ifIndex, and create appropriate index for tables moved to WMAN-DEV-MIB.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

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Comment # **335L**

Comment submitted by: **Mike**

Geipel

Member

2005/04/30

Comment Type **Technical, Binding**

Starting Page # **154** Starting Line # **50**

Fig/Table# Section **14.**

There is only one configurable trap destination in "wmanIfBsSnmpAgentConfigTable". Why is this?

Suggested Remedy

Proposed Resolution

Recommendation: **Accepted**

Recommendation by

No action required

Reason for Recommendation

For simplicity reason

Resolution of Group

Decision of Group: **Accepted**

No action required

Reason for Group's Decision/Resolution

For simplicity reason

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions **k) done**

Editor's Questions and Concerns

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Comment # **336L**

Comment submitted by: Mike

Geipel

Member

2005/04/30

Comment Type **Technical, Binding**

Starting Page # **156** Starting Line # **38**

Fig/Table# Section **14.**

wmanIfSsConfigFileEncodingTable contains such values as
VendorId, HwId, SwVersion

which are not yet defined for the BS.

Suggested Remedy

The "wmanIfSsConfigFileEncodingTable" should be renamed and made common to both the BS and SS. (Hopefully into a device MIB...)

Proposed Resolution

Recommendation: Rejected

Recommendation by

Reason for Recommendation

No Configuration file for BS specified in the 802.16 standard. It is SS only.

Resolution of Group

Decision of Group: Rejected

Accept: 0

Opposed: 6

Reason for Group's Decision/Resolution

No Configuration file for BS specified in the 802.16 standard. It is SS only.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

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Comment # 328L

Comment submitted by: Mike

Geipel

Member

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The section on error count reporting from the previous revision has been removed.

This is an wonderful troubleshooting tool. (It need not be in a mandatory group.)

It would be nice to have per-interface (or even per-SS) counters for unerrored, correcteds, uncorrectables

Suggested Remedy

Restore the "wmanIfBsSsFecCounterTable" from the previous revision of this document (begins at page 73).

Restore the "wmanIfSsFecCounterTable" from the previous revision of this document (begins at page 162).

If the data representation (or table name) is the issue, I would like to ask that the chair forms an ad-hoc group to propose acceptable wording at the next meeting.

It would also be nice to have similar counters for pre/post ARQ correction.

Proposed Resolution Recommendation: Rejected Recommendation by

Reason for Recommendation

Refer to comment 203 and 204 of IEEE 80216-05/002r2 wmanIfBsSsFecCounterTable was removed

The group was not able to reconcile specific counters for the table. The counters were perceived to be implementation specific, and the group was unable to derive a standard set of counters. If the commentor would choose to provide a common set of counters that the group will agree upon, the task group will be happy to revisit reinstating the table.

Resolution of Group Decision of Group: Rejected

Accented: 0

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Accepted: 0
Opposed: 5

Reason for Group's Decision/Resolution

Refer to comment 203 and 204 of IEEE 80216-05/002r2
wmanIfBsSsFecCounterTable was removed

The group was not able to reconcile specific counters for the table. The counters were perceived to be implementation specific, and the group was unable to derive a standard set of counters. If the commentor would choose to provide a common set of counters that the group will agree upon, the task group will be happy to revisit reinstating the table.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

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Comment # **329L**

Comment submitted by: Mike

Geipel

Member

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Comment Type **Technical, Binding**

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Starting Line # **0**

Fig/Table#

Section **14.**

There is no visibility to data that could be used to remotely determine something akin to a constellation as a diagnostic tool.

Suggested Remedy

Ask the chair to form an ad-hoc group to quickly determine the appropriate data model.

Proposed Resolution

Recommendation: Rejected

Recommendation by

Reason for Recommendation

Out of scope

Resolution of Group

Decision of Group: Rejected

Reason for Group's Decision/Resolution

Out of scope

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

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Comment # **330L**

Comment submitted by: Mike

Geipel

Member

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Comment Type **Technical, Binding**

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Fig/Table# Section **14.**

The MIB's scope is defined to cover management for MAC and PHY of 802.16.

Yet it does not provide for all of the PHY modes.
So any MIB we define would not be complete.

Suggested Remedy

Break up the monolithic MIB into multiple MIBs:

- device MIB (common, BS, SS)
- MAC interface MIB (common, BS, SS)
- common PHY interface MIB
- SC-PHY interface MIB
- SCa-PHY interface MIB
- OFDM-PHY interface MIB
- OFDMA-PHY interface MIB

I would prefer the definition of multiple MIBs, where not all of them are defined.

At least the provided MIBs could be evaluated on their own merits and determined to be complete.

It is also a lot easier to define and use conformance statements in the modular case.

(If a vendor only supports OFDMA, then only include "common PHY" and "OFDMA-PHY" MIBs.

No conformance statement would be needed to state that OFDM is not supported.)

It may be worthwhile to consider if the MAC if MIB could be broken up too.

Proposed Resolution Recommendation: **Accepted-Modified**

Recommendation by

See the resolution of comment 332.

Reason for Recommendation

The group discussed the potential for separating the PHY types into individual MIBs. After lengthy discussions, it was decided that the current format more accurately represented the current layout of the standard, with multiple PHY modes, within a common PHY structure.

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Resolution of Group

Decision of Group: Accepted-Modified

See the resolution of comment 332

Reason for Group's Decision/Resolution

The group discussed the potential for separating the PHY types into individual MIBs. After lengthy discussions, it was decided that the current format more accurately represented the current layout of the standard, with multiple PHY modes, within a common PHY structure.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

2005/06/27

IEEE 802.16-05/022r7

Document under Review: **IEEE P802.16f/D3**

Ballot Number: **0000998**

Comment Date

Comment # **331L**

Comment submitted by: Mike

Geipel

Member

2005/04/30

Comment Type **Technical, Binding** Starting Page # **999** Starting Line # **0** Fig/Table# Section **14.**

The conformance statement is not yet defined for this MIB.
This is a major omission.

It is not enough just to have one; the conformance statement must be usable.

That is to say:

- (1) Standards writers should have a way to define conditional statements.
[If feature "A" is supported, then tables "X", "Y", "Z" are mandatory.]
- (2) Implementations should have a way to express in an unambiguous way, what is and is not supported.

In general, the larger the MIB, the harder this is to make clear.
Ours is currently a large monolithic MIB.

Suggested Remedy

There are two approaches to address this issue.
I would advocate doing both, given the complexity of our MIB:

- (1) Break up the MIB into smaller, more reasonable, chunks.
 - device MIB (common, BS, SS)
 - MAC interface MIB (common, BS, SS)
 - common PHY interface MIB
 - SC-PHY interface MIB
 - SCa-PHY interface MIB
 - OFDM-PHY interface MIB
 - OFDMA-PHY interface MIB
- (2) Take advantage of RFC 2580 definition for the AGENT-CAPABILITIES macro:

Consider the following quote from section 6 of RFC 2580:

"The AGENT-CAPABILITIES macro is used to convey a set of capabilities present in an agent..."

"When a MIB module is written, it is divided into units of conformance termed groups. If an agent claims to implement a group, then it must implement each and every object, or each and every notification, within that group. Of course, for whatever reason, an agent might

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within that group. Of course, for whatever reason, an agent might implement only a subset of the groups within a MIB module. In addition, the definition of some MIB objects/notifications leave some aspects of the definition to the discretion of an implementor.

"Practical experience has demonstrated a need for concisely describing the capabilities of an agent with respect to one or more MIB modules.

The AGENT-CAPABILITIES macro allows an agent implementor to describe the precise level of support which an agent claims in regards to a MIB group, and to bind that description to the value of an instance of sysORID [3]. In particular, some objects may have restricted or augmented syntax or access-levels."

RFC 2580 obsoleted RFC 1904, and is also listed as STD 58.

Proposed Resolution
See comment 303

Recommendation: Accepted-Modified

Recommendation by

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

See comment 303

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

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IEEE 802.16-05/022r7

Document under Review: **IEEE P802.16f/D3**

Ballot Number: **0000998**

Comment Date

Comment # **340L**

Comment submitted by: Mike

Geipel

Member

2005/04/30

Comment	Type	Technical, Binding	Starting Page #	999	Starting Line #	0	Fig/Table#	Section	14.
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Identifying information may be particularly useful in diagnosing issues. This info is already known by the device and can easily be filled out.

NMS scripts are able to parse this string for valuable without compiling new MIBs.

(The sysDescr OID is mandatory for all SNMP implementations.)

Suggested Remedy

This has been lifted from a document in DOCSIS about the content of the mib-2 "sysDescr" MIB variable in DOCSIS MIB usage. It seems reasonable to have a similar statement in ours:

"Hardware version, Boot ROM image version, vendor name, software version, and model number. Verify that each type value combination is separated by a colon and a blank space. Verify that each succeeding pair is separated by a semicolon followed by a blank space.

Example: any text<<HW_REV: XX; VENDOR: YY; BOOTR: ZZ; SW_REV: AA; MODEL: BB>>any text

"Where XX is the hardware revision number for the device under test, HW_REV is the hardware revision for this device, YY is the text string indicating the product manufacturer for this device, ZZ is the boot rom revision number for the device under test, AA is the software version #, and that BB is the model number. In the case that one of these fields is not applicable the value must be reported as "NONE".

Example : .; BOOTR: NONE; ."

Proposed Resolution

Recommendation: Accepted-Modified

Recommendation by

Editor to create 2 tables in WMAN-DEV-MIB to include objects in 11.1.1, 11.1.2, 11.1.4,, and 11.1.6 for SS and BS respectively. Investigate relocating table supporting 11.1.3 and 11.1.5 to saying new location.

Reason for Recommendation

Resolution of Group

Decision of Group: Accepted-Modified

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Resolution of Group

Decision of Group. Accepted-Modified

Editor to create 2 tables in WMAN-DEV-MIB to include objects in 11.1.1, 11.1.2, 11.1.4,, and 11.1.6 for SS and BS respectively. Investigate relocating table supporting 11.1.3 and 11.1.5 to saying new location.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions c) instructions unclear

Lack of specific direction to relocate table.

Editor's Questions and Concerns

Editor's Action Items

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Document under Review: **IEEE P802.16f/D3**

Ballot Number: **0000998**

Comment Date

Comment # **089**

Comment submitted by: Pieter-Paul

Giesberts*

Member

2005-04-27

Comment Type **Technical, Binding** Starting Page # **21** Starting Line # **26** Fig/Table# Section **13.2.3.2.3**

[*Submitted by Pieter-Paul Giesberts, Jan Boer, and Richard van Leeuwen]

[Richard van Leeuwen and Jan Boer are satisfied with the resolution.]

wmanIfSsDhcpSuccessTrap

Higher layer protocol (DHCP) status information in a link layer MIB is not appropriate.

Suggested Remedy

To be removed.

Proposed Resolution

Recommendation: Accepted-Modified

Recommendation by

Delegate the editor to change DHCP related text in the draft to refer to "establish IP connectivity" in the network entry procedure.

Reason for Recommendation

This event is associated with "establish IP connectivity" in the network entry procedure. So, it is in the scope.

Resolution of Group

Decision of Group: Accepted-Modified

Delegate the editor to change DHCP related text in the draft to refer to "establish IP connectivity" in the network entry procedure.

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Superseded by comment #94 This subclause has been removed.

Editor's Questions and Concerns

Editor's Action Items

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Document under Review: **IEEE P802.16f/D3**

Ballot Number: **0000998**

Comment Date

Comment # **094**

Comment submitted by: Pieter-Paul

Giesberts*

Member

2005-04-27

Comment Type **Technical, Binding** Starting Page # **21** Starting Line # **36-3** Fig/Table# Section **13.2.3.2.5**

[*Submitted by Pieter-Paul Giesberts, Jan Boer, and Richard van Leeuwen]

[Richard van Leeuwen and Jan Boer are satisfied with the resolution.]

wmanIfSsEventTrap

The definition of this trap ("This trap report the SS event") is either incomplete or completely incorrect.

Suggested Remedy

This object should either be deleted or be defined correctly. I guess this is meant for Vendor-specific events? If so, there is already a standard mechanism for Vendor-specific traps (by means of Vendor-specific Enterprise MIB definitions, and this should be removed from the 802.16 MIB.

Proposed Resolution

Recommendation: **Accepted-Modified**

Recommendation by

In Clause 14

Change the description of wmanIfSsEventTrap to

"This trap is sent when an event is logged into the table wmanIfSsEventLogTable."

Change the description of wmanIfBsEventTrap to

"This trap is sent when an event is logged into the table wmanIfBsEventLogTable."

Remove subsections under 13.1.4.2 and 13.2.3.2.

Add the following text in 13.1.4.2

"This object defines all the traps reported by BS"

Add the following text in 13.2.3.2

"This object defines all the traps reported by SS"

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted-Modified**

In Clause 14

Change the description of wmanIfSsEventTrap to

"This trap is sent when an event is logged into the table wmanIfSsEventLogTable."

Change the description of wmanIfBsEventTrap to

"This trap is sent when an event is logged into the table wmanIfBsEventLogTable."

Remove subsections under 13.1.4.2 and 13.2.3.2

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Remove subsections under 13.1.4.2 and 13.2.3.2.

Add the following text in 13.1.4.2

"This object defines all the traps reported by BS"

Add the following text in 13.2.3.2

"This object defines all the traps reported by SS"

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

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Document under Review: **IEEE P802.16f/D3**

Ballot Number: **0000998**

Comment Date

Comment # **096**

Comment submitted by: Pieter-Paul

Giesberts*

Member

2005-04-27

Comment Type **Technical, Binding** Starting Page # **22** Starting Line # **13** Fig/Table# Section **13.2.4.3**

[*Submitted by Pieter-Paul Giesberts, Jan Boer, and Richard van Leeuwen]

[Richard van Leeuwen and Jan Boer are satisfied with the resolution.]

wmanIfSsEventLogTable

Event log uses the wrap-around buffers to store events. Needs clarification what is meant by ""buffers"" (plural!). the next sentence talks about "the buffer" (singular).

Suggested Remedy

Supposedly all "buffers" should be replaced by "buffer".

Proposed Resolution

Recommendation: **Accepted-Modified**

Recommendation by

Change"buffers" to "buffer".

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted-Modified**

Change"buffers" to "buffer".

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

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Document under Review: **IEEE P802.16f/D3**

Ballot Number: **0000998**

Comment Date

Comment # **219**

Comment submitted by: Pieter-Paul

Giesberts*

Member

2005-04-27

Comment Type **Technical, Binding** Starting Page # **160** Starting Line # **65** Fig/Table# Section **14**

[*Submitted by Pieter-Paul Giesberts, Jan Boer, and Richard van Leeuwen]

[Richard van Leeuwen and Jan Boer are satisfied with the resolution.]

wmanIfSsToD.....

Management information for a higher-layer protocol (Time of Day) in a link-layer MIB is not appropriate.

Suggested Remedy

To be removed.

Proposed Resolution

Recommendation: **Accepted-Modified**

Recommendation by

Delegate the editor to change (Time of Day) related text in the draft to refer to "establish Time of Day" in the network entry procedure.

Reason for Recommendation

This event is associated with "establish Time of Day" in the network entry procedure. So, it is in the scope.

Resolution of Group

Decision of Group: **Accepted-Modified**

Delegate the editor to change (Time of Day) related text in the draft to refer to "establish Time of Day" in the network entry procedure.

Reason for Group's Decision/Resolution

This event is associated with "establish Time of Day" in the network entry procedure. So, it is in the scope.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

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Document under Review: **IEEE P802.16f/D3**

Ballot Number: **0000998**

Comment Date

Comment # **220**

Comment submitted by: Pieter-Paul

Giesberts*

Member

2005-04-27

Comment Type **Technical, Binding** Starting Page # **160** Starting Line # **13-6** Fig/Table# Section **14**

[*Submitted by Pieter-Paul Giesberts, Jan Boer, and Richard van Leeuwen]

[Richard van Leeuwen and Jan Boer are satisfied with the resolution.]

wmanIfSsTftp.....

Management information for a higher-layer protocol (TFTP) in a link-layer MIB is not appropriate.

Suggested Remedy

To be removed.

Proposed Resolution

Recommendation: Accepted-Modified

Recommendation by

Delegate the editor to change TFTP related text in the draft to refer to "Transfer operational parameters" in the network entry procedure.

Reason for Recommendation

This event is associated with "Transfer operational parameters" in the network entry procedure. So, it is in the scope.

Resolution of Group

Decision of Group: Accepted-Modified

Delegate the editor to change TFTP related text in the draft to refer to "Transfer operational parameters" in the network entry procedure.

Reason for Group's Decision/Resolution

This event is associated with "Transfer operational parameters" in the network entry procedure. So, it is in the scope.

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **IEEE P802.16f/D3**Ballot Number: **0000998**

Comment Date

Comment # **231**

Comment submitted by: Pieter-Paul

Giesberts*

Member

2005-04-27

Comment	Type	Technical, Binding	Starting Page #	178	Starting Line #	17-2	Fig/Table#	Section	14
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[*Submitted by Pieter-Paul Giesberts, Jan Boer, and Richard van Leeuwen]

[Richard van Leeuwen and Jan Boer are satisfied with the resolution.]

wmanIfSsTrapControlRegister

No bit is defined for wmanIfSsEventTrap.

Suggested Remedy

Define a bit for wmanIfSsEvent (4, or, if this is intentionally omitted, explain it in the description. Note: See comments on 13.2.3.2.5 (above) and wmanIfSsEventTrap (below).

Proposed ResolutionRecommendation: **Accepted-Modified**

Recommendation by

Add wmanIfSsEvent control bit in the wmanIfSsTrapControlRegister

See below

```
wmanIfSsTrapControlRegister OBJECT-TYPE
    SYNTAX BITS {wmanIfSsTlvUnknown(0),
                wmanIfSsDynamicServiceFail(1),
                wmanIfSsDhcpSuccess(2),
                wmanIfSsRssiStatusChange(3),
                wmanIfSsEvent(4)}
```

Reason for Recommendation**Resolution of Group**Decision of Group: **Accepted-Modified**

Add wmanIfSsEvent control bit in the wmanIfSsTrapControlRegister

See below

```
wmanIfSsTrapControlRegister OBJECT-TYPE
    SYNTAX BITS {wmanIfSsTlvUnknown(0),
                wmanIfSsDynamicServiceFail(1),
                wmanIfSsDhcpSuccess(2),
                wmanIfSsRssiStatusChange(3),
                wmanIfSsEvent(4)}
```

Reason for Group's Decision/Resolution**Group's Notes****Group's Action Items**

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Group's Action Items

Editor's Notes Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **IEEE P802.16f/D3**

Ballot Number: **0000998**

Comment Date

Comment # **232**

Comment submitted by: Pieter-Paul

Giesberts*

Member

2005-04-27

Comment Type **Technical, Binding** Starting Page # **179** Starting Line # **44-5** Fig/Table# Section **14**

[*Submitted by Pieter-Paul Giesberts, Jan Boer, and Richard van Leeuwen]

[Richard van Leeuwen and Jan Boer are satisfied with the resolution.]

wmanIfSsDhcpSuccessTrap

Management information for a higher-layer protocol (DHCP) in a link-layer MIB is not appropriate.

Suggested Remedy

To be removed (and consequently also wmanIfSsDhcpSuccess from wmanIfSsTrapControlRegister

Proposed Resolution Recommendation: **Accepted-Modified** Recommendation by

See comment 322

Reason for Recommendation

Resolution of Group Decision of Group: **Accepted-Modified**

See comment 322

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

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Document under Review: **IEEE P802.16f/D3**

Ballot Number: **0000998**

Comment Date

Comment # **233**

Comment submitted by: Pieter-Paul

Giesberts*

Member

2005-04-27

Comment Type **Technical, Binding** Starting Page # **180** Starting Line # **5-17** Fig/Table# Section **14**

[*Submitted by Pieter-Paul Giesberts, Jan Boer, and Richard van Leeuwen]

[Richard van Leeuwen and Jan Boer are satisfied with the resolution.]

wmanIfSsEventTrap

The definition of this trap ("This trap report the event") is either incomplete or completely incorrect. (same as comment on 13.2.3.2.5)

Suggested Remedy

This object should either be deleted or be defined correctly. I guess this is meant for Vendor-specific events? If so, there is already a standard mechanism for Vendor-specific traps (by means of Vendor-specific Enterprise MIB definitions, and this should be removed from the 802.16 MIB.

Proposed Resolution

Recommendation: **Accepted-Modified**

Recommendation by

Change the description of wmanIfSsEventTrap to

"This trap is sent when an event is logged into the table wmanIfSsEventLogTable."

Change the description of wmanIfBsEventTrap to

"This trap is sent when an event is logged into the table wmanIfBsEventLogTable."

Reason for Recommendation

Resolution of Group

Decision of Group: **Accepted-Modified**

Change the description of wmanIfSsEventTrap to

"This trap is sent when an event is logged into the table wmanIfSsEventLogTable."

Change the description of wmanIfBsEventTrap to

"This trap is sent when an event is logged into the table wmanIfBsEventLogTable."

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

Document under Review: **IEEE P802.16f/D3**Ballot Number: **0000998**

Comment Date

Comment # **236**

Comment submitted by: Pieter-Paul

Giesberts*

Member

2005-04-27

Comment	Type	Technical, Binding	Starting Page #	181	Starting Line #	43-5	Fig/Table#	Section	14
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[*Submitted by Pieter-Paul Giesberts, Jan Boer, and Richard van Leeuwen]
 [Richard van Leeuwen and Jan Boer are satisfied with the resolution.]
 wmanIfSsRssiStatusInfo

I do not understand the purpose of this object; it seems superfluous. It is part of the wmanIfSsRssiStatusChangeTrap for which the reasons are well defined ("An event to report that the downlink RSSI is below wmanIfSsRssiLowThreshold, or above wmanIfSsRssiHighThreshold after restore."). Yet another, free format, object is added to indicate the reason for the event.

Suggested Remedy

This object should either be deleted or be defined properly.

Proposed ResolutionRecommendation: **Accepted-Modified**

Recommendation by

Change the description of wmanIfSsRssiStatusInfo to:

This object provides additional information about RSSI alarm. It is implementation specific.

Reason for Recommendation

The group decides to provide additional clarity in the description; however, the feature function is defined in 9.3.2.3.

Resolution of GroupDecision of Group: **Accepted-Modified**

Change the description of wmanIfSsRssiStatusInfo to:

This object provides additional information about RSSI alarm. It is implementation specific.

Reason for Group's Decision/Resolution

The group decides to provide additional clarity in the description; however, the feature function is defined in 9.3.2.3.

Group's Notes**Group's Action Items****Editor's Notes**

Editor's Actions k) done

Editor's Questions and Concerns**Editor's Action Items**

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Document under Review: **IEEE P802.16f/D3**

Ballot Number: **0000998**

Comment Date

Comment # **288**

Comment submitted by: Pieter-Paul

Giesberts*

Member

2005-04-27

Comment Type **Technical, Binding** Starting Page # **223** Starting Line # **63** Fig/Table# Section **14**

[*Submitted by Pieter-Paul Giesberts, Jan Boer, and Richard van Leeuwen]

[Richard van Leeuwen and Jan Boer are satisfied with the resolution.]

wmanIfCmnCpsSduSize

byte is not a defined entity for network/air interfaces.

Suggested Remedy

Replace with "octet". Also in the Description (bytes > octets).

Proposed Resolution

Recommendation: **Rejected**

Recommendation by

Reason for Recommendation

"Byte" is commonly used in the 802.16-2004 standard

Resolution of Group

Decision of Group: **Rejected**

Accepted: 0

Opposed: 3

Reason for Group's Decision/Resolution

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

2005/06/27

IEEE 802.16-05/022r7

Document under Review: **IEEE P802.16f/D3**

Ballot Number: **0000998**

Comment Date

Comment # **289**

Comment submitted by: Pieter-Paul

Giesberts*

Member

2005-04-27

Comment Type **Technical, Binding** Starting Page # **224** Starting Line # **59** Fig/Table# Section **14**

[*Submitted by Pieter-Paul Giesberts, Jan Boer, and Richard van Leeuwen]

[Richard van Leeuwen and Jan Boer are satisfied with the resolution.]

wmanIfCmnCpsArqBlockLifetime

us is not a defined unit of time.

Suggested Remedy

Replace with "microsecond".

Proposed Resolution

Recommendation: **Rejected**

Recommendation by

Reason for Recommendation

us is used in 802.16-2004 standard, but not microsecond

Resolution of Group

Decision of Group: **Rejected**

Accepted: 0

Opposed: 2

Reason for Group's Decision/Resolution

us is used in 802.16-2004 standard, but not microsecond

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

2005/06/27

IEEE 802.16-05/022r7

Document under Review: **IEEE P802.16f/D3**

Ballot Number: **0000998**

Comment Date

Comment # **291**

Comment submitted by: **Pieter-Paul**

Giesberts*

Member

2005-04-27

Comment Type **Technical, Binding** Starting Page # **225** Starting Line # **12** Fig/Table# Section **14**

[*Submitted by Pieter-Paul Giesberts, Jan Boer, and Richard van Leeuwen]

[Richard van Leeuwen and Jan Boer are satisfied with the resolution.]

wmanIfCmnCpsArqSyncLossTimeout

us is not a defined unit of time.

Suggested Remedy

Replace with "microsecond".

Proposed Resolution

Recommendation: Rejected

Recommendation by

Reason for Recommendation

See comment 289

Resolution of Group

Decision of Group: Rejected

Accepted: 0

Opposed: 2

Reason for Group's Decision/Resolution

See comment 289

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

2005/06/27

IEEE 802.16-05/022r7

Document under Review: **IEEE P802.16f/D3**

Ballot Number: **0000998**

Comment Date

Comment # **292**

Comment submitted by: **Pieter-Paul**

Giesberts*

Member

2005-04-27

Comment Type **Technical, Binding** Starting Page # **225** Starting Line # **38** Fig/Table# Section **14**

[*Submitted by Pieter-Paul Giesberts, Jan Boer, and Richard van Leeuwen]

[Richard van Leeuwen and Jan Boer are satisfied with the resolution.]

wmanIfCmnCpsArqRxPurgeTimeout

us is not a defined unit of time.

Suggested Remedy

Replace with "microsecond".

Proposed Resolution

Recommendation: Rejected

Recommendation by

Reason for Recommendation

See comment 289

Resolution of Group

Decision of Group: Rejected

Accepted: 0

Opposed: 2

Reason for Group's Decision/Resolution

See comment 289

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items

2005/06/27

IEEE 802.16-05/022r7

Document under Review: **IEEE P802.16f/D3**

Ballot Number: **0000998**

Comment Date

Comment # **293**

Comment submitted by: Pieter-Paul

Giesberts*

Member

2005-04-27

Comment Type **Technical, Binding** Starting Page # **225** Starting Line # **52** Fig/Table# Section **14**

[*Submitted by Pieter-Paul Giesberts, Jan Boer, and Richard van Leeuwen]

[Richard van Leeuwen and Jan Boer are satisfied with the resolution.]

wmanIfCmnCpsArqBlockSize

byte is not a defined entity for network/air interfaces.

Suggested Remedy

"Replace with ""octet""."

Proposed Resolution

Recommendation: **Rejected**

Recommendation by

Reason for Recommendation

"Byte" is commonly used in the 802.16-2004 standard

Resolution of Group

Decision of Group: **Rejected**

Accepted: 0

Opposed: 2

Reason for Group's Decision/Resolution

"Byte" is commonly used in the 802.16-2004 standard

Group's Notes

Group's Action Items

Editor's Notes

Editor's Actions k) done

Editor's Questions and Concerns

Editor's Action Items