The draft submitted to sponsor ballot still contains editor's notes, and is not ready for SB yet

Suggested Remedy
Correct the draft according to the editor's notes and remove them

Group Resolution
Decision of Group: Principle

Adopt proposed texts in contribution IEEE 802.16-12-0128-01-01R0.

Reason for Group's Decision/Resolution

Group's Notes
This resolution only resolves the first four editor's notes. The remaining editor's notes are related to cross-reference of IEEE 802.16.1 and IEEE 802.16Rev3. Because these two books can not be completed right now, we can not refer to IEEE 802.16.1 and IEEE 802.16Rev3. Therefore, these comments will be resolved during 802 EC. Our approach is to request approval of these two books and an editorial instruction to 802 editors at the same time. When these two books are approved as standards, the related reference will be updated to IEEE 802.16.1 and IEEE 802.16Rev3 instead of IEEE 802.16m-2011 and IEEE 802.16-2009 respectively.

Editor's Notes
Editor's Actions
Add all relevant references from IEEE 802.16-2009 and IEEE 802.16m amendment documents.

As a separate document, the reference list should contain all the relevant references from the original IEEE 802.16 standard.

Suggested Remedy

Add all relevant references from IEEE 802.16-2009 and IEEE 802.16m amendment documents.

GroupResolution

Decision of Group: Principle

Include the following normative reference in Subclause 2.

<insert>

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions
<table>
<thead>
<tr>
<th>Comment</th>
<th>Type</th>
<th>General</th>
<th>Part of Dis</th>
<th>Satisfied</th>
<th>Page</th>
<th>Line</th>
<th>Fig/Table#</th>
<th>Subclause</th>
</tr>
</thead>
<tbody>
<tr>
<td>03</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6</td>
<td>23</td>
<td></td>
<td>3.115</td>
</tr>
</tbody>
</table>

Is the information related to WirelessMAN-OFDMA relevant to this document?

**Suggested Remedy**
Delete the first sentence.

**Group Resolution**

**Decision of Group:** Principle

3.115 frame number: <delete>In WirelessMAN-OFDMA, the frame number is a 24-bit number transmitted in every frame. Frame numbers are not necessarily synchronized across base stations.</delete> In WirelessMAN-Advanced Air Interface, the frame number is obtained by concatenating the 12-bit superframe number (transmitted in every superframe) and the 2-bit frame index. Superframe numbers are synchronized across base stations.

**Reason for Group’s Decision/Resolution**

**Group’s Notes**

**Editor’s Notes**

**Editor’s Actions**
Where are Clause 6 and clause 14 in this document?

Suggested Remedy
Change for the right section numbers

Group Resolution

The Basic LBS support (6.8.2) capability involves support of similar functionality and framework as in Clause 6 to Clause 14 in IEEE 802.16-2009 [Editor's note: Need to update cross reference before sponsor ballot finalization] adapted to new frame and control channel structure in the AAI.

Reason for Group's Decision/Resolution
Clause 6 to Clause 14 refers to IEEE 802.16-2009

Group's Notes
The reference IEEE 802.16-2009 will be updated to IEEE 802.16Rev3 when IEEE 802.16.1 get approved from the EC.
The first reference (and link) is for the AAI-SON-ADV message and not to the AAI-REG-REQ

Suggested Remedy
Change "6.2.3.7" to "6.2.3.8" with the associated link.

Group Resolution
Decision of Group: Accepted
Change "6.2.3.7" to "6.2.3.8" with the associated link.

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Comment by: Friedman, Avraham
Ballot ID: 05
Comment # 06
Comment: 2012/12/10
Type: Editorial
Part of Dis: Satisfied
Page: 899
Line: 39
Subclause: 6.8.2.1

Is "trilaterization" the right word?

Suggested Remedy
Change "trilaterization" to "trilateration"

Group Resolution
Decision of Group: Accepted
Change "trilaterization" to "trilateration"

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Comment by: Friedman, Avraham
Ballot ID: 05
Comment # 05
Comment: 2012/12/10
Type: Editorial
Part of Dis: Satisfied
Page: 899
Line: 23
Subclause: 6.8.1

Change "6.2.3.7" to "6.2.3.8" with the associated link.

Suggested Remedy
Change "6.2.3.7" to "6.2.3.8" with the associated link.

Group Resolution
Decision of Group: Accepted
Change "6.2.3.7" to "6.2.3.8" with the associated link.

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
The reference to the LBS-ADV is wrong. It points to the (non AAI)-LBS-ADV message of 802.16-2009, which is not in this document. Is it still relevant?

**Suggested Remedy**

Delete the sentence or change 6.3.2.3.59 to 6.2.3.62. Add a link.

**Group Resolution**

**Decision of Group:** Principle

The content of this message and its functionality is consistent with LBS-ADV message in 6.3.2.3.59 <insert> in IEEE802.16-2009 [Editor’s note: Need to update cross reference before sponsor ballot finalization])<insert>.

**Reason for Group’s Decision/Resolution**

6.3.2.3.59 refers to the clause in IEEE 802.16-2009

**Group’s Notes**

The reference IEEE 802.16-2009 will be updated to IEEE 802.16Rev3 when IEEE 802.16.1 get approved from the EC.

**Editor’s Notes**
This draft meets all editorial requirements.

Suggested Remedy

Decision of Group: Accepted

Reviewed

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions
To support a network reentry type "CDMA-based RNG is used with dedicated CDMA ranging code", necessary fields like iotFP, offsetControl are transmitted in AAI-HO-CMD message (refer to page 809, 6.3.8.4.9 Uplink power control in handover). However these fields are missing in AAI-HO-CMD message while the same fields are presented in ASN code for AAI-HO-CMD message (refer to page 979, line 55~57).
This comment suggests to add the missing parameters in AAI-HO-CMD. In addition, this comment proposes to change these two fields in AAI-HO-CMD as optional fields so that ABS can skip two fields from AAI-HO-CMD while the two fields are assigned in CDMA-Allocation A-MAP IE.

Suggested Remedy
Adopt the proposed text in latest version of the contribution in IEEE 802.16-12-0093-00-01R0

Group Resolution
Decision of Group: Principle
Adopt the proposed text in contribution IEEE 802.16-12-0093-02-01R0.

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes
Editor's Actions
Global comment
Check equations 186, 187, 211, 212, 215, 222, 224, 226, 231, 239, 265, 288, 289, 290, 297, 298, 305, 308, for alignment. Either the left end, the right or both are cut off and not legible.

Editorial Comment
Page 866 the expressions containing powers of "e" do not fit in the space given write them as "exp(....)". Alternatively one could try to leave more space between lines.

Editorial Comment
Page 905 the expression few lines below Eq. (354) is cut off on both ends

Suggested Remedy

Group Resolution

Decision of Group: Principle

To Editor:
For Global comment, please modify the related equations as IEEE 802.16m-2011.
For Editorial comment on page 866, please rewrite powers of "e" as "exp(....)"
For Editorial comment on page 905, please recover the cutted wordings
Many thanks for your great assistance.
The number of assignment A-MAPs in each assignment A-MAP group can be derived from the Assignment A-MAP size in the non-user-specific A-MAP IE through table lookup<add>, and it determines the starting offset of each assignment A-MAP group in A-MAP region.<add> The actual number of assignment AMAP IEs in each assignment A-MAP group can be equal to or less than the number indicated by the lookup tables.

Suggested Remedy
We need more clarification about the starting point of each Assignment A-MAP group.

GroupResolution
Decision of Group: Principle

The number of assignment A-MAPs in each assignment A-MAP group can be derived from the Assignment A-MAP size in the non-user-specific A-MAP IE through table lookup<insert>, and it determines the starting offset of each assignment A-MAP group in A-MAP region.<insert> The actual number of assignment AMAP IEs in each assignment A-MAP group can be equal to or less than the number indicated by the lookup tables.

Reason for Group’s Decision/Resolution

Group’s Notes

Editor’s Notes
Editor’s Actions
There is an error in the definition of 't'. We do not use 'frame number' anymore to indicate a frame within a superframe. That is, 'frame index' is used instead of 'frame number'.

**Suggested Remedy**

and t is the frame index calculated as four times superframe number plus frame index within a superframe (in range of 0 to 3).

**Group Resolution**

and t is the frame index calculated as four times superframe number plus frame index within a superframe (in range of 0 to 3).

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**

**Editor's Actions**
The comment #31 in IEEE 802.16-11/0039r2 (Commentary DB for Session #75) was accepted. However, the adopted text of IEEE 802.16.1-11/0007r1, which was made by chair from WiMAX TWG Liaison document, is wrong. In the previous 16maint meeting, we concluded that we adopted the proposed text described in Annex E of L80216-11/0062 as it is. But, the incorporated text on IEEE802.16.1/D3 is different from it by mistake. It should be correct as described in Annex E of L80216-11/0062.

Suggested Remedy
The UL HARQ burst signaled via the BR-ACK A-MAP IE is always transmitted using MIMO mode $<\text{delete}>0</\text{delete}> <\text{add}>1$ with $Mt = 1$ as the MIMO encoder format and QPSK as the modulation scheme.

GroupResolution
Decision of Group: Principle
The UL HARQ burst signaled via the BR-ACK A-MAP IE is always transmitted using MIMO mode $<\text{delete}>0</\text{delete}> <\text{insert}>1$ with $Mt = 1$ as the MIMO encoder format and QPSK as the modulation scheme.

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions
For data and pilot subcarriers belonging to E-MBS allocation alternative subcarrier randomization sequence is applied. The sequence is generated as described above, but 7 bits of E-MBS Zone ID shall be used as b0...b6 and b7...b9=1 in PRBS initialization vector instead of IDcell.

Suggested Remedy

For data and pilot subcarriers belonging to E-MBS allocation alternative subcarrier randomization sequence is applied. The sequence is generated as described above, but 7 bits of E-MBS Zone ID shall be used as b0...b6 and b7...b9=1 in PRBS initialization vector instead of IDcell.

Group Resolution

Decision of Group: Accepted

For data and pilot subcarriers belonging to E-MBS allocation alternative subcarrier randomization sequence is applied. The sequence is generated as described above, but 7 bits of E-MBS Zone ID shall be used as b0...b6 and b7...b9=1 in PRBS initialization vector instead of IDcell.

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes

Editor's Actions
The offsetControl field in AAI-UL-POWER-ADJ message is optional.

Suggested Remedy
offsetControl INTEGER (0..63), <add>OPTIONAL</add>

GroupResolution
offsetControl INTEGER (0..63) <insert>OPTIONAL</insert>,

Reason for Group's Decision/Resolution
Meaningless reference to "an IEEE 802.16m system"

Suggested Remedy
Delete "for an IEEE 802.16m system" from title.

GroupResolution
Delete "for an IEEE 802.16m system" from title.
There are numerous references to "WirelessMAN-OFDMA"," but this term is undefined.

Suggested Remedy
Define "WirelessMAN-OFDMA".

Group Resolution
Decision of Group: Principle

Frist remedy:

3.146 WirelessMAN-OFDMA Advanced Air Interface Co-existing System: An ABS and/or AMS that also implements LZone functionality compliant with WirelessMAN-OFDMA TDD Release 1

Second remedy:

Adopt the proposed texts in contribution IEEE 802.16-12-0129-00-01R0.

Reason for Group's Decision/Resolution
In the IEEE 802.16.1/D3, there would be no WirelessMAN-OFDMA but WirelessMAN-OFDMA R1 Reference System.

Group's Notes
There are numerous references in the draft to "WirelessMAN-OFDMA," but the appropriate normative reference is not included.

Suggested Remedy
Add reference to IEEE Std 802.16.

Group Resolution
Decision of Group: Principle

Include the following normative reference in Subclause 2.
The draft states inaccurately that "This standard specifies the Wireless-MAN air interface."

**Suggested Remedy**

Change "This standard specifies the Wireless-MAN air interface" to "This standard specifies the WirelessMAN-Advanced Air Interface".

**Group Resolution**

Decision of Group: Accepted

Change "This standard specifies the Wireless-MAN air interface" to "This standard specifies the WirelessMAN-Advanced Air Interface".

**Reason for Group's Decision/Resolution**

**Group's Notes**

**Editor's Notes**

**Editor's Actions**
The sentence "The WirelessMAN-Advanced air interface supports ITU's IMT-Advanced requirements" should be replaced by a sentence indicating that the air interface is contained in the approved ITU-R IMT-Advanced Recommendation (as expected to be approved the week of 2012-01-16, but not yet given a document number). Also, "air interface" should be capitalized here.

Suggested Remedy

Replace with "The WirelessMAN-Advanced air interface is specified by ITU's in its IMT-Advanced Recommendation."

GroupResolution

Some numeral order of the references (Figure, Table, and Equation) are duplicated or mistaken on the text and the list in current draft standard D3. They are needed to be corrected and renumbered.

Suggested Remedy
The followings are needed to be corrected and renumbered.
1) Duplication of Figure: Figure 94 ~ Figure 106
2) Duplication of Table: Table 1
3) Wrong numeral order of Table: Table 974 ~ Table 978
4) Wrong numeral start of Equation: It should be started from the reference number 'Equation (1)' in numeral order for the reference as Equation for publishing new standard book.

To Editor,
Please resolve numbering issue for Figures, Tables and Start of Equation (e.g. Equation (1))
In response to the additional UL bandwidth request, the ABS shall allocate UL bandwidth by sending a CDMA Allocation A-MAP IE still masked with the RA-ID and masking prefix indicator for the ranging code (refer to Table 192).

Suggested Remedy

[Remedy in line 15 on page 56 as following]

In response to the additional UL bandwidth request, the ABS shall allocate UL bandwidth by sending a CDMA Allocation A-MAP IE still masked with the RA-ID and masking prefix indicator for the ranging code (refer to Table 192).
When the paging message is larger than the maximum size supported by the network, it may be segmented. Moreover, idle mode section of the draft [IEEE P802.16.1/D3] describes that paging message may be segmented. However, regarding the paging message segmentation, some text of idle mode section was wrongly described as fragmentation.

Thus, we clarify the description of paging message segmentation.

Suggested Remedy
Adopt proposed text of 16-12-0108-00-01R0-clarification-of-paging-message-segmentation or latest version

Group Resolution
Decision of Group: Principle
Adopt the proposed text in contribution IEEE 802.16-12-0108-01-01R0.

Reason for Group’s Decision/Resolution

Group’s Notes

Editor’s Notes

Editor’s Actions
Clean up the text for A-MAP relevance and HARQ timing.

**Suggested Remedy**
Adopt the proposed text in contribution IEEE 802.16-12-0109-00-01R0 or its latest revision.

**Group Resolution**
Adopt the proposed text in contribution IEEE 802.16-12-0109-01-01R0.

Reason for Group's Decision/Resolution

**Group’s Notes**

**Editor’s Notes**
Suggested Remedy

[Remedy in line 50 on Figure 150 of page 597 as following]

Broadcast assignment A-MAP IEs (Types as per the Table 192)
Multicast assignment A-MAP IEs (Types as per the Table 192)
Unicast assignment A-MAP IEs (Types as per the Table 192)

Reason for Group's Decision/Resolution

[Remedy in line 50 on Figure 150 of page 597 as following]

Broadcast assignment A-MAP IEs (Types as per the Table 192)
Multicast assignment A-MAP IEs (Types as per the Table 192)
Unicast assignment A-MAP IEs (Types as per the Table 192)
Clean up the text for the stream index of DL MU-MIMO in DL Basic Assignment A-MAP IE.

**Suggested Remedy**

[Remedy in line 41 on Table 195 of page 626 as following]

<table>
<thead>
<tr>
<th>Syntax</th>
<th>Size(bits)</th>
<th>Description/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>...</td>
<td></td>
<td></td>
</tr>
<tr>
<td>} else {</td>
<td></td>
<td>...</td>
</tr>
<tr>
<td>Si</td>
<td>5</td>
<td>0b10001: 4 streams with PSI=stream3 and stream3-stream4</td>
</tr>
<tr>
<td>}</td>
<td></td>
<td>...</td>
</tr>
<tr>
<td>...</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Group Resolution**

**Decision of Group:** Accepted

[Remedy in line 41 on Table 195 of page 626 as following]

<table>
<thead>
<tr>
<th>Syntax</th>
<th>Size(bits)</th>
<th>Description/Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>...</td>
<td></td>
<td></td>
</tr>
<tr>
<td>} else {</td>
<td></td>
<td>...</td>
</tr>
<tr>
<td>Si</td>
<td>5</td>
<td>0b10001: 4 streams with PSI=stream3 and stream3-stream4</td>
</tr>
<tr>
<td>}</td>
<td></td>
<td>...</td>
</tr>
<tr>
<td>}</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Clarification related to a number of UL burst of MIMO feedback to be allocated to one AMS by Feedback Polling A-MAP IE in one UL AAI subframe. If not modified, it

**Suggested Remedy**

[Remedy in line 41 on page 671 as following]

The ABS shall not allocate more than one Uplink HARQ burst for MIMO feedback to an AMS in a AAI subframe.

**Group Resolution**

[Remedy in line 41 on page 671 as following]

The ABS shall not allocate more than one Uplink HARQ burst for MIMO feedback to an AMS in a AAI subframe.

**Reason for Group’s Decision/Resolution**

**Group’s Notes**

**Editor’s Notes**

**Editor’s Actions**

**Comment by:** Jisoo Park

**Membership Status:**

**Date:** 2012/01/13

**Comment #** 1007

**Document under Review:** IEEE P802.16.1/D3

**Ballot ID:** sb01R0

**Comment** Technical

**Part of Dis**

**Page** 671

**Line** 41

**Subclause** 6.3.5.5.2.4.11
Clarification related to the UL transmission method by BR-ACK A-MAP IE handled by WiMAX Liaison document in previous session #76. This comment propose the clarification related to support the UL burst transmission scheme by BR-ACK Assignment for an anonymous user.

For an anonymous UL burst signaled by CDMA Allocation A-MAP IE, the transmission information for MIMO encoding format and modulation scheme is specified as MIMO mode 1 with $M_t=1$ for MIMO encoder format and QPSK modulation scheme in this draft standard, respectively (see the sentence in line 7 on page 655 for Section 6.3.5.5.2.4.7).

In the same manner as above CDMA Allocation scheme, the UL resource signaled by BR-ACK A-MAP IE can be allocated to an anonymous user for successfully received BR preamble code. So, I recommend that the UL burst transmission scheme via BR-ACK A-MAP IE be applied as the same scheme via CDMA Allocation A-MAP IE.

It was proposed for the text modification in Annex E of Liaison document (L80216-11_0062) from WiMAX.

**Suggested Remedy**

[Remedy in line 63 on page 673 as following]

The UL HARQ burst signaled via the BR-ACK A-MAP IE is always transmitted using MIMO $\text{mode-0 mode-1 with } M_t = 1$ as the MIMO encoder format and QPSK as the modulation scheme.

**Group Resolution**

**Decision of Group:** Superceded

Superceded by Cmt#13
Clarification for MIMO feedback mode 0 of NLRU stream in OL SU-MIMO SM.

Suggested Remedy

[Remedy in line 32 on Table 221 of page 693 as following]

In DLRU: Mt = 2 for SM.
In NLRU: Mt ≥ 2 ≤ Mt ≤ 4 for SM

GroupResolution

[Remedy in line 32 on Table 221 of page 693 as following]

In DLRU: Mt = 2 for SM.
In NLRU: Mt ≥ 2 ≤ Mt ≤ 4 for SM

Reason for Group's Decision/Resolution

Editor's Notes

Editor's Actions
Subband CQI and subband avg_CQI shall be encoded with 4 bits corresponding to the nominal MCS of Table 278.

Suggested Remedy

Table 278 refers to "MCS table for CQI?"
In a single BS precoding with multi-BS coordination, the interference is caused by the neighboring ABS not to the neighboring ABS.

Suggested Remedy

If ICT is set to 0b00 in Feedback Polling A-MAP IE, then the AMS finds the PMI that acts as the strongest interference for to the AMS by the neighboring cell in the frequency resource unit indicated by TRU indicated in Feedback Polling A-MAP IE.

If ICT is set to 0b01 in Feedback Polling A-MAP IE, then the AMS finds the PMI that acts as the weakest interference for to the AMS by the neighboring cell in the frequency resource unit indicated by TRU indicated in Feedback Polling A-MAP IE.

Suggested Remedy

Modify text in line 7-12 of page 863 as follows:
If ICT is set to 0b00 in Feedback Polling A-MAP IE, then the AMS finds the PMI that acts as the strongest interference <delete>for</delete><insert>to the AMS by</insert> the neighboring cell in the frequency resource unit indicated by TRU indicated in Feedback Polling A-MAP IE.

If ICT is set to 0b01 in Feedback Polling A-MAP IE, then the AMS finds the PMI that acts as the weakest interference <delete>for</delete><insert>to the AMS by</insert> the neighboring cell in the frequency resource unit indicated by TRU indicated in Feedback Polling A-MAP IE.

Reason for Group's Decision/Resolution
For correction on wrong ASN.1 notations of AAI MAC control message.

Suggested Remedy
Correct line 10~14 and line 29 on page 954 of P802.16.1/D3
Correct line 9 on page 955 of P802.16.1/D3
Correct line 63 on page 978 of P802.16.1/D3

Decision of Group: Principle

Adopt the proposed text in contribution IEEE 802.16-12-0107-02-01R0.
Numerous "Editor's Notes" in the text indicate that the draft is not technically complete.

**Suggested Remedy**

Resolve all Editor's Notes (except for those that can be resolve by professional IEEE editorial staff) prior to recirculation.

**Decision of Group:** Superceded

**Reason for Group's Decision/Resolution**

This comment is addressed by comment #01.