Comment by:	robert popoli	**Membership Status:** Member	**Date:** ?

Comment # 0908   **Document under Review: P802.16j/D1**   **Ballot ID: 28**

Comment   **Type** Technical   **Part of Dis** ☒ **Satisfied** ☐   **Page** 167   **Line** 28   **Fig/Table#**   **Subclause** 8.4.4.7.2.3

Access channel utilizes frequency diversity to improve link performance. Same technique would also be valuable to improve link performance on the AMC subchannels. This feature should be added.

Suggested Remedy

Contribution C802.16j-07464 should be accepted into document to achieve added link performance.

GroupResolution   **Decision of Group:**   **Accepted**

Reason for Group's Decision/Resolution

Group's Notes
No objection

Editor's Notes   **Editor's Actions**

Comment by:	Zhibin Lin	**Membership Status:** Member	**Date:** 9/7/2007

Comment # 0780   **Document under Review: P802.16j/D1**   **Ballot ID: 28**

Comment   **Type** Technical   **Part of Dis** ☒ **Satisfied** ☐   **Page** 133   **Line** 26   **Fig/Table#**   **Subclause** 6.3.22.1.1

Because access RS can transmit MR_Generic-ACK message or ACK header , the MR-BS shall transmit MOB_SCN-RSP to the MS after it receives MR_Generic-ACK or ACK header from the access RS.

Suggested Remedy

Modify "the MR-BS shall transmit MOB_SCN-RSP to the MS after it receives MR_Generic-ACK from the access RS."
to"the MR-BS shall transmit MOB_SCN-RSP to the MS after it receives MR_Generic-ACK or ACK header from the access RS."

GroupResolution   **Decision of Group:**   **Accepted**

Reason for Group's Decision/Resolution

Group's Notes
No objection

Editor's Notes   **Editor's Actions**

Comment by:	Lei Wang	**Membership Status:**	Member	**Date:** 9/8/2007

Comment # 0205   **Document under Review:** P802.16j/D1   **Ballot ID:** 28

Comment   **Type** Technical   **Part of Dis** ☒ **Satisfied** ☐   **Page** 18   **Line** 32   **Fig/Table#**   **Subclause** 6.3.2.2.8.2

The subheaders are considered to be part of the payload, as illustrated in Figure 18 in published 802.16 specs, as well as in Figure 21a in this document. In particular, they may be encrypted.

Suggested Remedy

Change: The Allocation subheader shall be the last subheader ~~before the payload~~.

GroupResolution   **Decision of Group:** **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

No objection

Editor's Notes   **Editor's Actions**

Comment by:	Lei Wang	**Membership Status:**	Member	**Date:** 9/8/2007

Comment # 0083   **Document under Review:** P802.16j/D1   **Ballot ID:** 28

Comment   **Type** Technical   **Part of Dis** ☒ **Satisfied** ☐   **Page** 6   **Line** 49   **Fig/Table#**   **Subclause** 6.3.1.3

MPDU is not defined in this document. Moreover, this term was replaced by MAC PDU in 802.16 specs at least 4 years ago. There is no reason to introduce it back again.

Suggested Remedy

Replace "MPDU" by "MAC PDU" throughout this document.

GroupResolution   **Decision of Group:** **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

No objection

Editor's Notes   **Editor's Actions**

Comment by: Erik   Colban   **Membership Status:**   Member   **Date:** ?

Comment # 0165   **Document under Review:** **P802.16j/D1**   **Ballot ID:** 28

Comment   **Type** Technical   **Part of Dis** ☒ **Satisfied** ☐   **Page** 14   **Line** 14   **Fig/Table#** 19d   **Subclause** 6.3.2.1.2.2.2.3

BS?!

Suggested Remedy

MR-BS

GroupResolution   **Decision of Group:**   **Accepted**

Reason for Group's Decision/Resolution

Group's Notes
No objection

Editor's Notes   **Editor's Actions**

Comment by: Erik   Colban   **Membership Status:**   Member   **Date:** ?

Comment # 0791   **Document under Review:** P802.16j/D1   **Ballot ID:** 28

Comment   **Type** Technical   **Part of Dis** ☒ **Satisfied** ☐   **Page** 136   **Line** 48   **Fig/Table#**   **Subclause** 6.3.22.4.1.2

IP address management is outside the scope of 802.16. It is unlikely that the IP addresses would need to be renewed. Under a typical scenario, Mobile IP would be used and the MS would be assigned an address from its home network, which does not change. This should be handled by anoter forum. 802.16 should simply provide the hooks.

Suggested Remedy

Change: An RS, when operating in moving BS mode, ~~the RS~~ shall implement a full set of physical layer and MAC
layer functions ~~defined in IEEE802.16e-2005~~ excluding the convergence sublayer. The mobile RS is also
the serving station of the MS. The mobile RS shall perform handover per 6.3.22.2. After the mobile RS hand<u>s</u> over~~s~~ to a new target
MR-BS, ~~if the mobile RS enters into a new IP subnet, the IP addresses of all the MSs~~
~~served by this mobile RS may need to be re-established. A~~ a dedicated transport connection may be established
between the mobile RS and its serving MR-BS to relay ~~the IP address re-establishment related~~ <u>higher layer</u> signaling between the MS
and the MR-BS <u>that may have been triggered by the mobility event</u>.

GroupResolution   **Decision of Group:**   **Accepted**

Reason for Group's Decision/Resolution

Group's Notes
No objection

Editor's Notes   **Editor's Actions**

| **Comment by:** | Paul   Piggin | **Membership Status:** | Member | **Date:** ? |

Comment # 0053   **Document under Review:** **P802.16j/D1**   **Ballot ID: 28**

Comment   **Type** Technical   **Part of Dis** ☒ **Satisfied** ☐   **Page** 5   **Line** 11   **Fig/Table#**   **Subclause** 3.100

Since a relay station has multiple interfaces, RTD is ambiguous.

Suggested Remedy

Clarify that the RTD is the round trip delay between the RS and a subordinate staion, by adding the following sentence to the end of the definition:

RTD is the round trip delay between the RS and its superordinate station.

GroupResolution   **Decision of Group:**   **Accepted**

Reason for Group's Decision/Resolution

Note: comment #50 adopted a general definition for RTD. This comment clarifies its interpretation in terms of R-TTG.

Group's Notes
No objection

Editor's Notes   **Editor's Actions**

| Comment by: | Yanhong Wang | Membership Status: | Member | Date: 9/8/2007 |

Comment # 0822   **Document under Review:** P802.16j/D1   **Ballot ID:** 28

Comment   **Type** Technical   **Part of Dis** ⊠ **Satisfied** ☐   **Page** 143   **Line** 1   **Fig/Table#**   **Subclause** 6.3.24

In subclause 6.3.24 (MS idle mode), there is the following description:

"FRS and NRS may have same or different Paging Groups compared to controlling MR-BS."

This is confusing. Does this mean that the FRS may be assigned a PG, which is out of scope of its controlling MR-BS? Clarification is needed here.
If FRS/NRS's paging group is different from that of the controlling MR-BS. The MR-BS will not received the paging announce message from PC. Therefore, the RS can not broadcast the paging message.

Suggested Remedy

Do the following changes:
"FRS and NRS may have same or just a subset of Paging Groups compared to their controlling MR-BS."

GroupResolution   **Decision of Group:** **Accepted**

Reason for Group's Decision/Resolution

Group's Notes
No objection

Editor's Notes   **Editor's Actions**

| Comment by: | Tzu-Ming Lin | | Membership Status: | Member | | Date: | 1/15/2008 |

Comment # **2036**   **Document under Review:** **P802.16j/D2**   **Ballot ID:** **LB28a**

Comment   **Type** Technical   **Part of Dis** ☒ **Satisfied** ☐   **Page** 5   **Line** 14   **Fig/Table#**   **Subclause** 3.105

Doubled definitions of security zone key. (3.105 and 3.116)

Suggested Remedy

3.105 security zone key (SZK): A group key shared by the MR-BS and a group of RS within the same security zone.The SZK is a head of key hierarchy used to satisfy the security requirements,such as integrity protection for relay MAC PDUs within a defined security zone.

~~3.116 security zone key (SZK): The SZK is a head of key hierarchy used to satisfy the security requirements, such as integrity protection for relay MAC PDUs within a defined security zone.~~

[editor's note]
reodrer the sequence number from 3.106 to 3.118

GroupResolution   **Decision of Group:**   **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

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

Comment by:	Shulan Feng	**Membership Status:** Member	**Date:** 1/14/2008

Comment # 2042   **Document under Review:** **P802.16j/D2**   **Ballot ID:** **LB28a**

Comment   **Type** Editorial   **Part of Dis** ☒ **Satisfied** ☐   **Page** 5   **Line** 33   **Fig/Table#**   **Subclause** 3

missing space between "A" and "portion".

Suggested Remedy

change"Aportion" to "A portion".

GroupResolution   **Decision of Group:**   **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

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

Comment by:	Jerry Chow	**Membership Status:**	Member	**Date:**	3/14/2008

Comment # 026   **Document under Review:** P802.16h/D3   **Ballot ID:**

Comment   **Type** Technical   **Part of Dis** ☒ **Satisfied** ☐   **Page** 22   **Line** 4   **Fig/Table#**   **Subclause** 6.3.2.1.2.2.2.7

As indicated in 6.3.6.7.1.3, DL flow control mechanism is just used for RS operating in distributed scheduling mode.

Suggested Remedy

Change the sentence as following:

The DL flow control header is used to perform DL flow control between an RS operating in distributed scheduling mode and its superordinate RS or MR-BS.

GroupResolution   **Decision of Group:** **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes   **Editor's Actions**

2008/08/21

Comment by:	Shulan Feng	**Membership Status:** Member	**Date:** 3/14/2008

Comment # 260   **Document under Review:** P802.16j/D3   **Ballot ID:**

Comment   **Type** Editorial   **Part of Dis** ☒ **Satisfied** ☐   **Page** 205   **Line** 19   **Fig/Table#**   **Subclause** 8.4.5.10

Missing "." at the end of the sentence

Suggested Remedy

Modify the sentence as the following:
This message shall be used in non-transparent frame structure and may be used in transparent frame structure to signal the resource assignments and other control information.

GroupResolution   **Decision of Group:** Accepted

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes   **Editor's Actions**

2008/08/21

Comment by:	Shulan Feng	**Membership Status:** Member	**Date:** 3/14/2008

Comment # 090   **Document under Review:** P802.16j/D3   **Ballot ID:**

Comment   **Type** Editorial   **Part of Dis** ☒ **Satisfied** ☐   **Page** 84   **Line** 44   **Fig/Table#**   **Subclause** 6.3.6.7.1.2

This sentence is grammatically incorrect.

Suggested Remedy

Replace as the following:
the scheduling information needs only be sent once

GroupResolution   **Decision of Group:** Accepted

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes   **Editor's Actions**

| **Comment by:** | Hongyun Qu | | **Membership Status:** | Member | | **Date:** | 3/15/2008 |

Comment # 143   **Document under Review:** **P802.16j/D3**   **Ballot ID:**

Comment   **Type** Editorial   **Part of Dis** ☒ **Satisfied** ☐   **Page** 122   **Line** 42   **Fig/Table#**   **Subclause** 6.3.10.3.2.1

Figure 118c and Figure 118d are not used for ranging, instead, in P133, they are used for HARQ.

Suggested Remedy

Change the sentence into:

The flow charts (Figure 115a, Figure 115b, Figure 115c, Figure 115d, Figure 118a~~,~~ and Figure 118b~~, Figure 118c and Figure 118d~~) and message sequence chart (Table 206a and Table 206b) on the following pages define the CDMA periodic ranging and adjustment process that shall be followed by compliant SSs, transparent access RSs and MR-BSs.

Renumber "Figure 118c-Example of Initial transmission of HARQ burst" and "Figure 118d-Example of initial transmission and retransmission of HARQ burst" in P133, since they don't belong to ranging procedure.

GroupResolution   **Decision of Group:** **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes   **Editor's Actions**

Comment by:	Hongyun Qu	**Membership Status:** Member	**Date:** 3/15/2008

Comment # 131　　　　　　**Document under Review:** P802.16j/D3　　　　　**Ballot ID:**

Comment　　**Type** Technical　　**Part of Dis** ☒ **Satisfied** ☐　　**Page** 107　　**Line** 39　　**Fig/Table#**　　**Subclause** 6.3.10.3.1.1

This paragraph describes one kind of ranging in centralized scheduling mode.

Suggested Remedy

Change this paragraph into:

When an SS performs initial ranging in systems with transparent RSs attached to non-transparent RSs that have unique BSIDs, the MR-BS, superordinate station (a non-transparent RS <u>operating in centralized scheduling mode</u>), and the transparent RSs shall perform the following steps:

GroupResolution　　　　　　　**Decision of Group:** **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes　　　　　　**Editor's Actions**

Comment by:	Hongyun Qu		**Membership Status:**	Member	**Date:**	3/15/2008

Comment # 051   **Document under Review:** **P802.16j/D3**   **Ballot ID:**

Comment   **Type** Technical   **Part of Dis** ☒ **Satisfied** ☐   **Page** 59   **Line** 3   **Fig/Table#**   **Subclause** 6.3.2.3.78

Since "RS_MOB_MEAS-RSP" message is used for MR-BS to request RSs in the RS group for reporting their measurement results. Why not call it "RS_MOB_MEAS-REQ"?

Suggested Remedy

Change all "RS_MOB_MEAS-RSP" into "RS_MOB_MEAS-REQ".

GroupResolution   **Decision of Group:** **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes   **Editor's Actions**

Comment by:	Hongyun Qu		**Membership Status:**	Member	**Date:**	3/15/2008

Comment # 287   **Document under Review:** **P802.16j/D3**   **Ballot ID:**

Comment   **Type** Editorial   **Part of Dis** ☒ **Satisfied** ☐   **Page** 240   **Line** 45   **Fig/Table#**   **Subclause** 11.7.8.10

The font of sentence "An RS sets bit #7 to 0 to indicate that it cannot perform DL flow control and to 1 to indicate that it can perform DL flow control." is different with other paragraphs.

Suggested Remedy

Keep the font consistent.

GroupResolution   **Decision of Group:** **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes   **Editor's Actions**

<u>Comment by:</u>	Ling Xu	<u>Membership Status:</u> Member	<u>Date:</u> 3/14/2008

<u>Comment #</u> **296** <u>Document under Review:</u> **P802.16j/D3** <u>Ballot ID:</u>

<u>Comment</u> <u>Type</u> Editorial <u>Part of Dis</u> ☒ <u>Satisfied</u> ☐ <u>Page</u> 264 <u>Line</u> 7 <u>Fig/Table#</u> <u>Subclause</u> 11.25.1

In current text, the RS operational mode includes tunneling burst mode, which is already delted in the last meeting.

Suggested Remedy

change the text as follows.

Bit #0:RS centralized scheduling
Bit #1:RS distributed scheduling
Bit #2:RS centralized security
Bit #3:RS distributed security
Bit #4:0 = shared BSID with other
access stations, 1 = unique BSID
Bit #5:Embedded path management
Bit #6:Explicit path management
Bit #7:Burst-based forwarding
Bit #8:Tunneling packet mode
~~Bit #9:Tunneling burst mode~~
Bit #~~10~~ 9:Local CID allocation mode
Bit #~~11~~ 10: Superordinate RS of an RS group
Bit #~~12~~ 11~15: reserved

GroupResolution **Decision of Group:** **Accepted**

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes **Editor's Actions**

Comment by:	Ling Xu	**Membership Status:** Member	**Date:** 3/14/2008

Comment # 284   **Document under Review:** P802.16j/D3   **Ballot ID:**

Comment   **Type** Editorial   **Part of Dis** ☒ **Satisfied** ☐   **Page** 240   **Line** 10   **Fig/Table#**   **Subclause** 11.7.8.10

In current text, the MR-BS and RS MAC feature support includes tunnel burst mode, which is already delted in the last meeting.

Suggested Remedy

change the text as follows:

Bit #0: NBR-ADV generating support
Bit #1: Tunnel packet mode support
~~Bit #2: Tunnel burst mode support~~
Bit #2: Superordinate RS of an RS group support
Bit #3: RS mobility support
Bit #4: Subordinate RS network entry support
Bit #5: Location support
Bit #6: Multicast management support
Bit #7: DL Flow control
Bit #8: RS centralized security support
Bit #9: RS distributed security support
Bit #10: Embedded path management support
Bit #11: Explicit path management support
Bit #12: Burst-based forwarding support
Bit #13: Local CID allocation support
Bit #14: MOB_SLP-RSP support
Bit #15: MOB_SCN-RSP support
~~Bit #16: Superordinate RS of an RS group support~~
Bit #~~17~~ 16-#23: Reserved

GroupResolution   **Decision of Group:** Accepted

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes   **Editor's Actions**

2008/08/21

Comment by:	Ling Xu	**Membership Status:** Member	**Date:** 3/14/2008

Comment # 297　　　**Document under Review:** P802.16j/D3　　　**Ballot ID:**

Comment　**Type** Editorial　**Part of Dis** ☒　**Satisfied** ☐　　**Page** 264　**Line** 7　　**Fig/Table#**　　**Subclause** 11.25.1

Tunneling packet mode and Tunnel packet mode are both used in the 16j D3.

Suggested Remedy

Replace "Tunneling packet mode" with "Tunnel packet mode"

GroupResolution　　　　**Decision of Group:** Accepted

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes　　　　**Editor's Actions**

2008/08/21

Comment by:	Ling Xu	**Membership Status:** Member	**Date:** 3/14/2008

Comment # 265　　　**Document under Review:** P802.16j/D3　　　**Ballot ID:**

Comment　**Type** Editorial　**Part of Dis** ☒　**Satisfied** ☐　　**Page** 217　**Line**　　**Fig/Table#** 496j　**Subclause** 8.4.5.10.1.7

The "OFDMA symbol" should be "OFDMA symbol offset".

Suggested Remedy

Change "OFDMA symbol" as "OFDMA symbol offset".

GroupResolution　　　　**Decision of Group:** Accepted

Reason for Group's Decision/Resolution

Group's Notes

Editor's Notes　　　　**Editor's Actions**