Comment by:	GIESBERTS, PIETER-PAUL	**Membership Status:** Member	**Date:** 03/10/2007

Comment # 1   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☒   **Satisfied** ☐   **Page** 17   **Line** 50   **Fig/Table#**   **Subclause** 6.3.2.3.63

I don't agree with the resolution of my comment #2 in the 80216-07_012r4 database.

DCDs will not be transmitted any more often in mobile networks than in fixed networks, which will be on the order of once every 10 seconds. There is no need since they are static, and they are too big to send often.

Furthermore with the current document the MS will NOT wait for SII-ADV before attempting initial network entry, because it will use the SBC mechanism to request the info.

The current mechanism is ambiguous, flawed and overly complex.

If the group for some reason wants to keep a separate message for the SII-ADV in stead of transmitting the information in the DCD than that is suboptimal but fine. But the information should in any case be removed from the scope of the SBC-REQ/RSP.

Suggested Remedy

Solution 1:
Move SII to DCD, by adopting contribution C80216g-07_027r1.doc.
Solution 2:
Remove only the SBC SII mechanism and keep a non-solicited broadcast by means of the SII-ADV message (instead of DCD):
* Change second sentence on page 17, section 6.3.2.3.63 as follows:
"The message may be broadcast periodically without solicitation" (i.e. remove "or may be solicited by an SS during network entry by including the SIQ TLV in the SBC-REQ message (see section 6.3.2.3.23).")
* Remove all changes as listed in section 6.3.2.3.24 in this draft
* Remove SBC-RSP from scope field in Section 11.1.8.1 and 11.1.8.2
* Delete section 11.8.9.

GroupResolution   **Decision of Group:**   **Disagree**

Remove only the SBC SII mechanism and keep a non-solicited broadcast by means of the SII-ADV message (instead of DCD):
* Change second sentence on page 17, section 6.3.2.3.63 as follows:
"The message may be broadcast periodically without solicitation" (i.e. remove "or may be solicited by an SS during network entry by including the SIQ TLV in the SBC-REQ message (see section 6.3.2.3.23).")
* Remove all changes as listed in section 6.3.2.3.24 in this draft
* Remove SBC-RSP from scope field in Section 11.1.8.1 and 11.1.8.2
* Delete section 11.8.9.

Reason for Group's Decision/Resolution

As previously reported, Members believe that DCD will be transmitted with substantially more frequency than commenter assumes, at least 1x per second.

While it is true that the information could be periodically included in DCD, there is no specific benefit of putting the information in DCD versus in the broadcast SII-ADV message. And since the SII-ADV may be transmitted with substantially less frequency, and since elimination of the SII-ADV message is not possible as there are other information types that SII-ADV may convey, there is no specific advantage to choosing to put the information in the DCD. So, the proposed change does not convey any specific advantage over the current mechanism.

Finally, Members believe that the current method of allowing SS to request transmission of the NSP List may be useful in certain deployment scenarios. Specifically, after a recent change in the NSP List, the network may need to transmit the SII-ADV message unsolicited and with some frequency, say every 10 seconds. But after some period of time, perhaps a few weeks or so, when the vast majority of SS have received the updated list, the network may discontinue unsolicited transmission of SII-ADV and rely on solicited request via SBC-REQ. The network may then go for many months without another change in the NSP List.

Group's Notes

Vote:
In Favor: 1 Against: 3 Abstain: 2
Comment Rejected

Editor's Notes   **Editor's Actions**   b) none needed

Comment by:	GIESBERTS, PIETER-PAUL	**Membership Status:**	Member	**Date:** 03/10/2007

Comment # 2   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** General   **Part of Dis** ☒ **Satisfied** ☐   **Page** 17   **Line** 50   **Fig/Table#**   **Subclause** 6.3.2.3.63

Right now, the spec does not mandate that all BS with the same NAPID support the same NSPs. It is not clear that this flexibility is actually required, and to improve scanning & roaming for MS it is beneficial if the MS can assume that all BS from the same operator provide access to the same NSPs.

Suggested Remedy

In the first section of 6.3.2.3.63:
* Fix the typo in "transmission" in the sentence "The list of NSP Ids to be included in this message and the message transmssion frequency are programmable."
Add the following text immediately after that sentence:
"All BS that use the same Operator ID shall list the same NSP Ids in their SII-ADV message."

GroupResolution   **Decision of Group:**   **Principle**

In the first paragraph, change the misspelled instance of 'transmssion' to 'transmission'

Reason for Group's Decision/Resolution

Based on this comment, the group made modification to the remedy in comment 119, Contribution C802.16g-07/047r2. The change made the value of NSP Change Count TLV programmable. While this does not directly address the commenter's intent, it does address an aspect. As to the commenter's remedy to make NSP List common across Operator ID, the group reasoned that there are specific implementations where such constraint would be undesireable.

Group's Notes
Accepted without opposition

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

Comment by:		CHINDAPOL, MR AIK	**Membership Status:**	Member	**Date:** 03/10/2007

Comment # 3   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 105   **Line** 62   **Fig/Table#**   **Subclause** 14.2.6

Section 14.2.6 (RRM) needs the following corrections: 1) The missing paragraphs "When generated" and "Effect of receipt" shall be added; 2) the list of reporting events for the Spare Capacity report is too long and it's outdated, should be streamlined; 3) the Spare Capacity report should have an additional parameter "Permutation Zone Subchannels Bitmap" which allows for improved inter-BS interference reduction, and 4) some editorials need to be fixed.

Suggested Remedy

Adopt contribution "C80216g-07_045.pdf"

GroupResolution   **Decision of Group:**   **Principle**

Accept contribution C802.16g-07/045r2

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

| **Comment by:** | | CHINDAPOL, MR AIK | **Membership Status:** | Member | **Date:** | 03/10/2007 |

Comment # 4   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 3   **Line** 37   **Fig/Table#**   **Subclause** 1.4.3

Figure 1a has random distribution of boxes.

Suggested Remedy

Rearrange the boxes, remove the empty leftovers from deleted legacy boxes.

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution

see resolution of comment 106

Group's Notes

Accepted without opposition

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

Combined with cmt#104 (record#4).

| **Comment by:** | | CHINDAPOL, MR AIK | **Membership Status:** | Member | **Date:** | 03/10/2007 |

Comment # 5   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 6   **Line** 43   **Fig/Table#**   **Subclause** 3.

RRA and RRC should be defined.

Suggested Remedy

Insert definitions for RRA and RRC

GroupResolution   **Decision of Group:**   **Disagree**

Reason for Group's Decision/Resolution

No specific text provided

The terms-of-art are generally understood in the industry. The current inclusion of the terms in the Acronym clause is sufficient for our purposes.

Group's Notes

Vote:
In Favor: 0 Against: 4 Abstain: 1
Comment Rejected

Editor's Notes   **Editor's Actions**   b) none needed

| **Comment by:** | | CHINDAPOL, MR AIK | | **Membership Status:** | Member | | **Date:** | 03/10/2007 |

| **Comment #** | 6 | | | **Document under Review:** | P802.16g/D8 | | **Ballot ID:** | 16gD8 |

Comment   **Type** Editorial   **Part of Dis** ☐   **Satisfied** ☐   **Page** 40   **Line** 35   **Fig/Table#**   **Subclause** 11.13.38

5x10**(-7) is just an approximation. This should be shown.

Suggested Remedy

Add a note to point out that 5 is just an approximation of the real number which is 10**(0.3)

GroupResolution   **Decision of Group:**   **Principle**

Modify the last line of the value in the table as:

If bit 6=1, [[BEGIN INSERT]tilda[END INSERT]5x10-7 to 1x10-0] PER

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Comment by:	CHINDAPOL, MR AIK	**Membership Status:** Member	**Date:** 03/10/2007

Comment # 7	**Document under Review:** **P802.16g/D8**	**Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 42   **Line** 10   **Fig/Table#**   **Subclause** 11.20

"1-34 number of valid bits &" requires explanation. How is this related to the 9 bits integer and 25 bits fractional part?

Suggested Remedy

Add an explanation how the number of valid bits maps to the length of the fractional part etc.

GroupResolution   **Decision of Group:**   **Disagree**

Reason for Group's Decision/Resolution

See page 41, lines 45-52:
'The fields indicate the MS / BS location in latitude, longitude, and altitude that are based on the LCI (Location Configuration Information) format as defined in RFC3825. Latitude and longitude are represented in 34 bits fixed-point 2s-complement number, consisting of 9 bits of integer and 25 bits of fraction. Altitude is represented in 30 bits fixed-point 2s-complement number with 22 bits of integer and 8 bits of fraction. Latitude and longitude should be normalized to within +/- 90 degrees and +/- 180 degrees, respectively. Each field also includes resolution bits that define the number of valid bits in the fixed-point value.'

Note that the lengths are not variable in the Table.

See RFC3825 for specific bit mappings and rules.

Group's Notes

Vote:
In Favor: 0 Against: 5 Abstain: 1
Comment Rejected

Editor's Notes   **Editor's Actions**   b) none needed

Comment by:	CHINDAPOL, MR AIK	**Membership Status:**	Member	**Date:** 03/10/2007

Comment # 8   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 85   **Line** 11   **Fig/Table#**   **Subclause** 14.2.5.2

At MS side, NCMS should be at left hand. As in Fig. 491, 492, 493.

Note: TG Chair changed comment type from 'Editorial' to 'Technical' at commenter's request

Suggested Remedy

Flip Figure 488 left to right. And change C-HO-IND (lower arrow) to C-HO-ACK since this is just an ACK.

GroupResolution   **Decision of Group:** **Principle**

Flip Figure 488 left to right.

Reason for Group's Decision/Resolution

There is no support for a C-HO-ACK primitive in the document, so reference to such an unspecified primitive is inappropriate. The commenter does not provide specific text to introduce such a primitive.

Group's Notes

Accepted without opposition

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

| **Comment by:** | | CHINDAPOL, MR AIK | **Membership Status:** | Member | | **Date:** | 03/10/2007 |

Comment # 9   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 53   **Line** 4   **Fig/Table#**   **Subclause** 14.2.2.1.1

Tables 450 and 451 have same caption. Is that ok?

Suggested Remedy

Give different names to these tables.

GroupResolution   **Decision of Group:** **Principle**

Remove the Table headings and names

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Table headings removed from tables 450, 451, 452 for consistency.

| **Comment by:** | CHINDAPOL, MR AIK | **Membership Status:** | Member | **Date:** | 03/10/2007 |

Comment # 10   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 51   **Line** 38   **Fig/Table#**   **Subclause** 14.2.1.2.3

List incomplete.

Suggested Remedy

Change sentence to "This is valid only when accounting type is 'service flow creation', 'service flow change' or 'service flow deletion'.

GroupResolution   **Decision of Group:**   **Agree**

Change sentence to "This is valid only when accounting type is 'service flow creation', 'service flow change' or 'service flow deletion'.

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

| **Comment by:** | | CHINDAPOL, MR AIK | **Membership Status:** | Member | | **Date:** | 03/10/2007 |

Comment # 11   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 34   **Line** 8   **Fig/Table#**   **Subclause** 11.7.7.1

Only length 2 makes sense.

Suggested Remedy

Change to "When the length field of the TLV is 2, it indicates that bits 16-31 are zero."

GroupResolution   **Decision of Group:**   **Disagree**

Reason for Group's Decision/Resolution

Comment appears to be out-of-scope of the 802.16g project, and more properly part of the Corrigenda project.

The Chair has remanded the comment to the Chair of the Maintenance TG for disposition.

Group's Notes

Vote:
In Favor: 0 Against: 6 Abstain: 1
Comment Rejected

Editor's Notes   **Editor's Actions**   b) none needed

| Comment by: | CHINDAPOL, MR AIK | **Membership Status:** Member | **Date:** 03/10/2007 |

Comment # 12   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 72   **Line** 34   **Fig/Table#**   **Subclause** 14.2.4.2.1.2

too verbose &Delete 3 words.

Suggested Remedy

Change to "This primitive is issued by a BS to inform the Paging and Idle Mode Services entity that the specified MS is attempting to re-enter network in response to paging."

GroupResolution   **Decision of Group:**   **Agree**

Change to "This primitive is issued by a BS to inform the Paging and Idle Mode Services entity that the specified MS is attempting to re-enter network in response to paging."

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

The same paragraph is already changed by cmt#164, contribution 037r7. – The remedy of this comment#012 was merged with the remedy of #164 by appending the text of #012 to the text provided by #164 which complement each other.

| **Comment by:** | | CHINDAPOL, MR AIK | **Membership Status:** | Member | **Date:** | 03/10/2007 |

Comment # 13   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 154   **Line** 25   **Fig/Table#**   **Subclause** 14.2.10.3.1

Operation Type Notify?

Suggested Remedy

Delete "Operation Type Notify"

GroupResolution   **Decision of Group:**   **Principle**

Delete page 154, lines 25-32:

[BEGIN DELETE]~~Operation Type~~
~~Notify~~
~~Destination~~
~~Destination of this primitive~~
~~Action Type~~
~~MBS Portion layout~~[END DELETE]

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Comment by:	CHINDAPOL, MR AIK	**Membership Status:**	Member	**Date:**	03/10/2007

Comment #	14		**Document under Review:**	P802.16g/D8		**Ballot ID:**	16gD8

Comment	**Type** Editorial	**Part of Dis** ☐	**Satisfied** ☐	**Page** 134	**Line** 12	**Fig/Table#**	**Subclause** 14.2.8.1.2

Attribute list is empty

Suggested Remedy

Remove "Attribute list".

GroupResolution **Decision of Group:** **Agree**

Remove "Attribute list".

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

| **Comment by:** | CHINDAPOL, MR AIK | **Membership Status:** | Member | **Date:** 03/10/2007 |

Comment # 15   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 159   **Line** 46   **Fig/Table#**   **Subclause** 14.2.11.1.1

Why do we need that chapter heading? It's unusual.

Suggested Remedy

Restructure section 14.2.11.1 to get rid of 14.2.11.1.1. Same for 14.2.11.2.1 etc.

GroupResolution   **Decision of Group:**   **Principle**

Delete the subclause heading line on page 159, line 46
[BEGIN DELETE]~~14.2.11.1.1 LBS Parameters~~[END DELETE]

Delete the subclause heading line on page 160, line 25
[BEGIN DELETE]~~14.2.11.2.1 LBS Parameters~~[END DELETE]

Delete the subclause heading line on page 161, line 1
[BEGIN DELETE]~~14.2.11.3.1 LBS Parameters~~[END DELETE]

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

In addition, the line "NCMS sends C-LBS-REQ primitive." between 14.2.11.3 and 14.2.11.3.1 is redundant; moreover it seems incorrect (copied and pasted from section 14.2.11.1). Editor removed that line, also following the intention of comment#185 (record#95).

| **Comment by:** | | CHINDAPOL, MR AIK | **Membership Status:** | Member | **Date:** | 03/10/2007 |

| **Comment #** 16 | | **Document under Review:** **P802.16g/D8** | | **Ballot ID:** **16gD8** |

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 163   **Line** 17   **Fig/Table#**   **Subclause** F.1

1) Annex F should get a heading. 2) In Fig. F1, is "HO Type = HO" ok?

Suggested Remedy

Change to "HO Type = HHO"

GroupResolution   **Decision of Group:**   **Disagree**

Reason for Group's Decision/Resolution

HHO is not a term-of-art defined in 802.16e-2005. There are a few artifact, incorrect references to HHO in 802.16e-2005, but it is a Corrigenda change to correct those errors. The correct term-of-art usage for 802.16e-2005 is 'HO'.

Group's Notes

Vote:
In Favor: 0 Against: 6 Abstain: 0
Comment Rejected

Editor's Notes   **Editor's Actions**   b) none needed

| Comment by: | CHINDAPOL, MR AIK | **Membership Status:** Member | **Date:** 03/10/2007 |

| **Comment #** 17 | **Document under Review:** **P802.16g/D8** | **Ballot ID:** **16gD8** |

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 167   **Line** 1   **Fig/Table#**   **Subclause** F.3

What's the difference between F.1 Har handover procedure, and F.3 Handover Procedure?

Suggested Remedy

Align sections F.1 and F.3 or point out the differences.

GroupResolution   **Decision of Group:**   **Principle**

Change the title for subclause F.3 to be 'F.3 End-to-End Handover Procedures'

Change subclause F.3 to be subclause F.2; change subclause F.2 to be subclause F.3

Editor to renumber the Figures accordingly

In Figure F4, message item '2.' change from '2. C-HO-REQ' to '2. C-HO-RSP'

In Figures F1 through F4, change all instances of 'MOB-MSSHO-REQ' to 'MOB-MSHO-REQ'

In Figures F1 through F4, change all instances of 'MOB-BSSHO-RSP' to 'MOB-BSHO-RSP'

In Figures F1 through F6, editor to connect the related primitive references in the NCMS using dashed lines

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Comment by:	Joey Chou	**Membership Status:**	Member	**Date:** 2007/03/09

Comment # 101   **Document under Review: P802.16g/D8**   **Ballot ID: 16gD8**

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 2   **Line** 58   **Fig/Table#**   **Subclause** 1.4

Change "subscriber stations (SS) or 802.16e mobile subscriber stations (MS) or base stations (BS)." to "S̶subscriber S̶stations (SS) or 802.16e M̶mobile s̶u̶b̶s̶c̶r̶i̶b̶e̶r̶ S̶stations (MS) or B̶base S̶stations (BS)".

Suggested Remedy

Change "subscriber stations (SS) or 802.16e mobile subscriber stations (MS) or base stations (BS)." to "S̶subscriber S̶stations (SS) or 802.16e M̶mobile s̶u̶b̶s̶c̶r̶i̶b̶e̶r̶ S̶stations (MS) or B̶base S̶stations (BS)".

GroupResolution   **Decision of Group:**   **Agree**

Change "subscriber stations (SS) or 802.16e mobile subscriber stations (MS) or base stations (BS)." to "Subscriber Stations (SS) or 802.16e Mobile Stations (MS) or Base Stations (BS)".

Reason for Group's Decision/Resolution

Group's Notes
Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

Comment by:	Joey Chou	**Membership Status:**	Member	**Date:** 2007/03/09

Comment # 102   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 2   **Line** 63   **Fig/Table#**   **Subclause** 1.4

CS is part of the MAC layer.

Suggested Remedy

Change "PHY/MAC/CS layers" to "PHY/MAC layers".

GroupResolution   **Decision of Group:** **Agree**

Change "PHY/MAC/CS layers" to "PHY/MAC layers".

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Comment by: Joey Chou   **Membership Status:** Member   **Date:** 2007/03/09

Comment # 103   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 2   **Line** 63   **Fig/Table#**   **Subclause** 1.4

"The network that manages and controls an 802.16 air interface device which is abstracted as the Network Control and Management System (NCMS) uses the SAPs to interface with the 802.16 entity" is redundent.

Suggested Remedy

Change
"The network that manages and controls an 802.16 air interface device which is abstracted as the Network Control and Management System (NCMS) uses the SAPs to interface with the 802.16 entity"
to
"~~The network that manages and controls an 802.16 air interface device which is abstracted as the Network Control and Management System (NCMS)~~ uses the C_SAPs and M_SAP to interface with the 802.16 entity.

GroupResolution   **Decision of Group:** **Principle**

Change
"The network that manages and controls an 802.16 air interface device which is abstracted as the Network Control and Management System (NCMS) uses the SAPs to interface with the 802.16 entity"
to
"The NCMS uses the C_SAP and M_SAP to interface with the 802.16 entity."

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Comment by: Peretz Feder   **Membership Status:**   Member   **Date:** 2007/03/10

Comment # 104   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 3   **Line**   **Fig/Table#** figur   **Subclause** 1.4.3

As 802.16g is optional as is, no need to show MIH as optional

Suggested Remedy

Change the boundary of the MIH box to solid lines

GroupResolution   **Decision of Group:**   **Agree**

Change the boundary of the MIH box to solid lines

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Has been combined with cmt#106 (contribution C802.16g-07/051r1), and cmt#004: the boxes have been rearranged to have the most important ones on top and centered, and the exceptional ones at the bottom.

Comment by: Joey   Chou   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 105   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 3   **Line** 19   **Fig/Table#**   **Subclause** 1.4

CS is part of the MAC layer.

Suggested Remedy

Delete CS

GroupResolution   **Decision of Group:**   **Principle**

Change from:
An 802.16 entity is defined as the logical entity in an SS/MS or BS that comprises the PHY, MAC, CS layers of the Data Plane and the Management/Control Plane.
to:
An 802.16 entity is defined as the logical entity in an SS/MS or BS that comprises the PHY and MAC layers of the Data Plane and the Management/Control Plane.

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Along the same lines, on p.4, line 2, Editor removed "CS", to make the sentence read:
This includes MAC and PHY layer context information used by NCMS protocols to manage and control the air interface.

Comment by:	Erik Colban	**Membership Status:**	Member	**Date:** 2007/03/09

Comment # 106   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 3   **Line** 36   **Fig/Table#**   **Subclause** 1.4.3

It is very difficult to correlate Figure 1a with the different sub-sections of section 14. For instance:
AAA Services is addressed in sections:
1) 14.2.1 Accounting management
2) 14.2.2.1 EAP-based authentication
3) 14.2.2.2 RSA-based authentication
4) 14.2.7.1.3.1 Network entry and exit management - C-NEM-REQ (Registration) - BS side (for authorization purposes)
4) 14.2.7.2.3.1 Network entry and exit management - C-NEM-RSP (Registration) - BS side (for authorization purposes)
5) Possibly other sections ...

Mobility Management Services is addressed in sections:

14.2.4.3 Location update procedure, which is not part of Location Management Serices (LBS)
14.2.5 Handover management

MIH is addressed as part of Handover management and, thus, is part of Mobility Management Services. MIH is also addressed in Annex F as part of the network entry procedure.

It is not clear what Network Management Services is supposed to cover.

QoS is a major functional area, often tightly connected to charging (which is in AAA Services), but is hidden inside SFM.

It is unclear which of the services in Figure 1a, Mobile Terminal Management is supposed to address.
Note: Since MTM applies to SSs, the name is confusing (suggesting that it only applies to MSs).

Lines 30-32, state: "The exact functionality of these entities and their services is outside the scope of this specification but shown here for illustration purposes and to better enable the description of the management and control procedures". How do these entities "better enable the description of the management and control procedures"? Unless some description of the "functional entities in Figure 1a is provided, this figure has very little value.

Suggested Remedy

Reflect the structure of section 14.2 in Figure 1a, i.e., let there be 11 boxes, each corresponding to one of the level-3 headings in section 14.2:

- Accounting
- Security
- IP Configuration
- Subscriber Mode
- Handover
- Radio Resource Management
- Network Entry and Exit
- Mobile Terminal Management
- Quality of Service
- Multicast and Broadcast Services
- Location Based Services

If any other comment modifies the structure or the level-3 section headings in section 14.2, then those changes shall be reflected in this figure.

GroupResolution   **Decision of Group:**   **Principle**

Accept with C802.16g-07/051r1

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

1)   In Fig. 1a: The boxes "LBS" and "Mobile Terminal Management Services" have been swapped since the latter is an exception (since at MS side only) and should therefore better sit at the margin, vis-a-vis of the other exception, "Network management services" (not refering to section 14.2 primitives but to 802.16i MIBs. - That was the intention of the author of the contribution who made the redraft of Fig. 1a.
2)   This included changes to Fig. 1a but also to 14.2.1, 14.2.2, 14.2.3, 14.2.4.1 (sleep mode), 14.2.7. Mind the interaction with other comments related to these chapters 14.2.x.
3)   14.2.2.1, sentence updated accordingly: Figure 473 shows EAP-based authentication procedure between a BS and the AAA and Security Services in NCMS as follows ...

| **Comment by:** | Joey Chou | | | **Membership Status:** | Member | | **Date:** 2007/03/09 |

| **Comment #** 107 | | **Document under Review:** **P802.16g/D8** | | **Ballot ID:** **16gD8** |

Comment **Type** Editorial **Part of Dis** ☐ **Satisfied** ☐ **Page** 4 **Line** 2 **Fig/Table#** **Subclause** 6.3.2.3.9.29

Service Access Points (SAP) appears in P4 L2, and P5 L15.

Suggested Remedy

Change 2nd and all other appearences after to SAP.

GroupResolution   **Decision of Group:** **Agree**

Change 2nd and all other appearences after to SAP.

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

1)   In fact, Service Access Point (SAP) is already introduced in 802.16-2004 at the third line of section 1.4. So there's no need to define it again in 802.16g in the text further down in 1.4. So Editor replaced "Service Access Point (SAP)" by "SAP" anywhere in 802.16g - not only in the "2nd and all other appearances" as requested.
2)   This included renaming the section 5.3.3 heading to "GPCS SAP parameters".
3)   In fact, "SAP = service access point" is already defined in 802.16-2004, 4. Abbreviations, so we could even remove it from 802.16g section 4. For now, this has not been done; the editors of the 802.16 revision may remedy this duplication.
4)   Editor found that both "C_SAP" and C-SAP is used in 802.16g; same for M_SAP and M-SAP. Since the hyphen is the majority, in particular in all the figures in section 14 and the Annex, Editor changed underscore to hyphen throughout.
5)   Section 1.4: the terms C-SAP and M-SAP are used in 802.16g, Fig. 1 and the following text without definition. Editor added that missing definition by changing p.2, line 5 to read: "This specification includes a Control SAP (C-SAP) and Management SAP (M-SAP) that expose control plane and management plane functions to upper layers."
6)   Based on pre-release feedback from the comments contributor, Editor discovered that the use of the acronyms PHY_SAP, MAC_SAP, CS_SAP and GPCS_SAP is inconsistent both internally within 16g and between 16g and 802.16/16e-2005. The specs 802.16 and 16e use blanks in these terms, no underscore. So Editor replaced underscore by blank in PHY_SAP (1 occurrence), MAC_SAP (1 occurrence), CS_SAP (2 occurrences) and GPSC_SAP (1 occurrence), to make them read PHY SAP, MAC SAP, CS SAP and GPSC SAP, respectively.

| Comment by: | Erik Colban | **Membership Status:** Member | **Date:** 2007/03/09 |

| **Comment #** 108 | **Document under Review:** **P802.16g/D8** | **Ballot ID:** **16gD8** |

Comment   **Type** Editorial   **Part of Dis** ☐   **Satisfied** ☐   **Page** 6   **Line** 59   **Fig/Table#**   **Subclause** 4

The following acronyms are used, but not listed in section 4.:
ACM - Accounting Management
HO - Handover
MBS - Multicast Broadcast Service
MTM - Mobile Terminal Management
NEM - Network Entry Management
PG - Paging
SFM - Service Flow Management
SM - Security Management
SMC - Secondary Management Connection

Furthermore (PG is easily confused with Paging Group). I suggest to rename PG to IMM (where IMM stands for Idle Mode Management)

Furthermore, MTM suggests that an MS is being managed. SSM (Subscriber Station Management) would be a better name.

Furthermore, SMC is an abbrevaition for a connection and does not explicitly identify any managment area. I suggest to rename SMC to IPM (IP management).

Suggested Remedy

1) Add the following acronyms to section 4 in correct lexicographic sequence:

ACM - Accounting Management
HO - Handover
IMM - Idle Mode Management
IPM - IP Management
MBS - Multicast Broadcast Service
NEM - Network Entry Management
SFM - Service Flow Management
SM - Security Management
SSM - Subscriber Station Management

2) On page 43, line 31, replace "MTM - Mobile Terminal Management" with "SSM - Subscriber Station Management"

3) On page 43, line 33, replace "PG - Paging" with "IMM - Idle Mode Management"

4) Replace PG with IMM globaly in the document

5) Replace MTM with SSM globally in the document.

6) On page 43, line 38, replace "SMC - Secondary Management Connection" with "IPM - IP management"

7)On page 65, line 23, replace "send SMC traffic over the air" with "send IPM traffic over the secondary management connection"

8) On page 65, line 33, replace " SMC payload over the air" with " IPM payload over the secondary management connection"

9) Replace SMC with IPM globally in the document

GroupResolution   **Decision of Group:**   **Principle**

1) Add the following acronyms to section 4 in correct lexicographic sequence:

ACM - Accounting Management
IMM - Idle Mode Management
NEM - Network Entry Management
SFM - Service Flow Management
SM - Security Management
SSM - Subscriber Station Management

2) On page 43, line 31, replace "MTM - Mobile Terminal Management" with "SSM - Subscriber Station Management"

3) On page 43, line 33, replace "PG - Paging" with "IMM - Idle Mode Management"

4) Replace PG with IMM globaly in the document

5) Replace MTM with SSM globally in the document.

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

2007/07/10   **IEEE 802.16-07/018r5**

Comment by: Joey Chou   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 109   **Document under Review: P802.16g/D8**   **Ballot ID: 16gD8**

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 13   **Line** 52   **Fig/Table#**   **Subclause** 6.3.2.3.2

Move "inserted footnote] The IEEE Registration Authority is a committee of the IEEE Standards Association Board of Governors. General information as well as details on the allocation of IEEE 802.16 Operator ID can be obtained at http://standards.ieee.org/regauth." to the footnote

Suggested Remedy

1. Change "IEEE Registration Authority [insert footnote]" to IEEE Registration Authority !.
2. Move "inserted footnote] The IEEE Registration Authority is a committee of the IEEE Standards Association Board of Governors. General information as well as details on the allocation of IEEE 802.16 Operator ID can be obtained at http://standards.ieee.org/regauth." to the footnote

GroupResolution   **Decision of Group: Agree**

1. Change "IEEE Registration Authority [insert footnote]" to IEEE Registration Authority !.
2. Move "inserted footnote] The IEEE Registration Authority is a committee of the IEEE Standards Association Board of Governors. General information as well as details on the allocation of IEEE 802.16 Operator ID can be obtained at http://standards.ieee.org/regauth." to the footnote

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

Done at the two places in section 6 where this occurred.

| **Comment by:** | Erik Colban | **Membership Status:** | Member | **Date:** 2007/03/09 |

Comment # 110   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 14   **Line** 29   **Fig/Table#**   **Subclause** 6.3.2.3.9.29

"to query using MIH function frame" is not clear. Is the query using an MIHF frame, or is the MS querying the BS to use MIHF frames?

Suggested Remedy

Replace line 19 (i.e., "This message is sent by the MS to the BS to query using MIH function frame.")
by: "The MS sends this message to the BS to deliver an MIH query encapsulated in an MIHF frame."

GroupResolution   **Decision of Group:** **Agree**

Replace line 19 (i.e., "This message is sent by the MS to the BS to query using MIH function frame.")
by: "The MS sends this message to the BS to deliver an MIH query encapsulated in an MIHF frame."

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

It's line 29, not 19.

| **Comment by:** | Erik Colban | **Membership Status:** | Member | **Date:** 2007/03/09 |

Comment # 111   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 14   **Line** 46   **Fig/Table#** 37s   **Subclause** 6.3.2.3.9.29

Avoid reference to primitives defined in section 14 in other sections of the 802.16 standard. Section 6 was initially written independently of section 14 and it should preferrably remain that way. Since it is not possibly to test conformance to the primitives defined in section 14, it is likely that there may be many 802.16-conformant products that do not support these primitives. Yet, it should be possible to interpret section 6 in an unambiguous manner. For test specification purposes, it is also better not to specify contents of the MAC management messages by resorting to section 14. The text is also incorrect, since the C-MIH-IND primitive does not carry the TLV specified in section 11.1.9.1. As specified on page 126, the C-MIH-IND primitive carries an attribute which is the MIHF Frame, as specified in 802.21, clause 8.2.

Furthermore, since MIHF is in the acronym list in section 4, it should be used consistently.

Suggested Remedy

Replace entry in last column, last row of Table 37s by:
The encapsulated MIHF query (11.1.9.1)

Globally replace "MIH Function" with "MIHF", except where the acronym is being introduced, i.e., on page 7.
Replace the section title of section 6.3.25 by: MIHF Support

GroupResolution   **Decision of Group:**   **Agree**

Replace entry in last column, last row of Table 37s by:
The encapsulated MIHF query (11.1.9.1)

Globally replace "MIH Function" with "MIHF", except where the acronym is being introduced, i.e., on page 7.
Replace the section title of section 6.3.25 by: MIHF Support

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

MIH Function replaced by MIHF – except on page 7 and in Fig. 1a since this is on page 3, i.e. before introduction of "MIHF" on page 7.

Comment by: Erik   Colban   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 112   **Document under Review: P802.16g/D8**   **Ballot ID: 16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 14   **Line** 52   **Fig/Table#** 37t   **Subclause** 6.3.2.3.9.30

What does the "the query" refer back to? Most likely the query mentioned in section 6.3.2.3.9.29, but such long distance references should be avoided for the sake of clarity of the standard.

Furthermore, this message does not contain a response, but simply a Query ID, which the MS can use to correlate the message containing the response (to be received at a later point in time) with the query.

Suggested Remedy

Replace line 52 (i.e., "This message is sent by the BS to the MS to response to the query.")
by: "This message is sent by the BS to the MS to acknowledge a received MIH query encapsulated in an MIHF frame. The response to the query is sent in a later message, and the MS uses a Query ID, received in this message, to correlate the query with the response."

GroupResolution   **Decision of Group:**   **Principle**

Replace line 52 (i.e., "This message is sent by the BS to the MS to response to the query.")
by: "This message is sent by the BS to the MS to acknowledge a received MIH query encapsulated in an MIHF frame. The response to the query is sent in a later MIH Comeback Response message, and the MS uses a Query ID, received in this MIH Acknowledge message and associated with the MS Initial Request by virtue of the stateful nature of the MIH Acknowledge, to correlate the MIH Initial Request message query with the later response."

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Comment by:	Erik Colban	Membership Status:	Member	Date: 2007/03/09

Comment # 113   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 15   **Line** 19   **Fig/Table#**   **Subclause** 6.3.2.3.9.31

In order to be more aligned with currrent procedures in 802.16e, the procedures whereby the MS polls the MS by sending a UL-MAP with an MIH_Polling_IE and the MS responds by sending a MIH Comeback Request message may be replaced by a procedure whereby the BS polls the MS by sending a UL-MAP with a normal UL-MAP_IE granting the MS bandwidth, and the MS responds by sending a Bandwidth Request PDU. If the MS has no data to send it sets the BR field to 0. There is no need to send the Query ID TLV to the BS, since the BS already has this information. The only reason for these procedures is to let the BS ensure that the MS is present before it sends possibly large amounts of data over the air.

Furthermore MIH_Polling_IE is nowhere specified in this document.

Suggested Remedy

Remove the MIH Comeback Request message entirely from this document. This includes:

- Removing section 6.3.2.3.9.29 (and do the necessary renumbering of the following sections and section references)
- Deleting the "When the MS transmit the PKM-REQ polled by MIH_Polling_IE, the MS shall use the Query ID to retrieve the response." from page 31, lines 30-31
- Removing PKM-REQ from the scope of the Query ID TLV

For easier understanding of the procedures, rename some messages as follows:

- Rename MIH Initial Response to MIH Initial Acknowledge(since this message does not contain any response)

GroupResolution   **Decision of Group:** **Principle**

Remove the MIH Comeback Request message entirely from this document. This includes:

- Removing section 6.3.2.3.9.31 (and do the necessary renumbering of the following sections and section references)
- Deleting the "When the MS transmit the PKM-REQ polled by MIH_Polling_IE, the MS shall use the Query ID to retrieve the response." from page 31, lines 30-31
- Removing PKM-REQ from the scope of the Query ID TLV

For easier understanding of the procedures, rename some messages as follows:

- Rename MIH Initial Response to MIH Acknowledge (since this message does not contain any response)

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

In addition, this removal of "MIH Comeback Request" included:
- Section 6.3.2.3.9: Delete the message from table 26, renumber Code 34 to Code 33. - DONE
- Change Code 34 to Code 33 for MIH Comeback Response, now section 6.3.2.3.9.31. - DONE
- Rename Table 37v to 37u, also in the line above the table. - DONE

2007/07/10   IEEE 802.16-07/018r5

Comment by: Peretz Feder   **Membership Status:**   Member   **Date:** 2007/03/10

Comment # 114   **Document under Review:** P802.16g/D8   **Ballot ID: 16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 15   **Line** 20   **Fig/Table#**   **Subclause** 6.3.2.3.9.31

Suggested Remedy

This message shall be only transmitted when BS ~~polls~~ provides the MS unsolicited UL BW allocation ~~using MIH_Polling_IE in the UL MAP~~.

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution

see resolution of comment 113

Group's Notes

Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

Superseded by Cmt#113.

| **Comment by:** | Joey Chou | **Membership Status:** | Member | **Date:** 2007/03/09 |

Comment # 115   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 15   **Line** 25   **Fig/Table#**   **Subclause** 6.3.2.3.9.31

Change ".." to "."

Suggested Remedy

Change ".." to "."

GroupResolution   **Decision of Group:**   **Agree**

Change ".." to "."

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

| Comment by: | Erik Colban | Membership Status: | Member | Date: | 2007/03/09 |

Comment # 116   **Document under Review: P802.16g/D8**   **Ballot ID: 16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 15   **Line** 40   **Fig/Table#**   **Subclause** 6.3.2.3.9.32

This section needs some editorial cleanup. More importantly: Avoid reference to primitives defined in section 14 in other sections of the 802.16 standard. Section 6 was initially written independently of section 14 and it should preferrably remain that way. Since it is not possibly to test conformance to the primitives defined in section 14, it is likely that there may be many 802.16-conformant products that do not support these primitives. Yet, it should be possible to interpret section 6 in an unambiguous manner. For test specification purposes, it is also better not to specify contents of the MAC management messages by resorting to section 14. The text is also incorrect, since the C-MIH-IND primitive does not carry the TLV specified in section 11.1.9.1. As specified on page 126, the C-MIH-IND primitive carries an attribute which is the MIHF Frame, as specified in 802.21, clause 8.2.

Suggested Remedy
Replace sentence on line 40 with:
The BS sends this message to the MS to deliver a query response encapsulated in an MIHF frame.

Replace double periods at the end of line 45 by a single period.

Replace the entry in first row last column of Table 37v by:
Indicates the type of the included MIHF frame. Only included when an MIHF frame is present.

Replace the entry in last row, last column by:
The encapsulated MIH response (11.1.9.1)

Editor: Ensure consistency in the message names and TLV names such as capitalization, hyphens, underscores, and spaces.

GroupResolution   **Decision of Group: Agree**

Replace sentence on line 40 with:
The BS sends this message to the MS to deliver a query response encapsulated in an MIHF frame.

Replace double periods at the end of line 45 by a single period.

Replace the entry in first row last column of Table 37v by:
Indicates the type of the included MIHF frame. Only included when an MIHF frame is present.

Replace the entry in last row, last column by:
The encapsulated MIH response (11.1.9.1)

Editor: Ensure consistency in the message names and TLV names such as capitalization, hyphens, underscores, and spaces.

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Comment by: Joey Chou   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 117   **Document under Review:** P802.16g/D8   **Ballot ID: 16gD8**

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 16   **Line** 42   **Fig/Table#** 109f   **Subclause** 6.3.2.3.47

Change the vertical lines inside the table to plain lines (no Bold), so they are consistent with other tables and follow the convention.

Suggested Remedy

Change the vertical lines inside the table to plain lines (no Bold) in table 109f, 109yb, subclause 6.3.2.3.64, subclause 8.4.5.5, table 342, 347, 348, ... throughout the document.

GroupResolution   **Decision of Group:**   **Principle**

Change the vertical lines inside the table to plain lines (no Bold) in table 109f, 109yb, subclause 6.3.2.3.64, subclause 8.4.5.5, table 342, 347, 348, ... throughout the document.
In Table 109f, editor to add missing header line

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

| **Comment by:** | Peretz Feder | **Membership Status:** | Member | **Date:** | 2007/03/10 |

Comment # 118   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 17   **Line** 8   **Fig/Table#**   **Subclause** 6.3.2.3.47

Make the use of Non-pre-assigned DL radio resources more binding

Note: TG Chair changed comment type from 'Editorial' to 'Technical' at commenter's request

Suggested Remedy

change in section 6.3.2.3.47

~~may~~ be included to

should be included

GroupResolution   **Decision of Group:** **Principle**

Accept contribution C802.16g-07/048r2

Reason for Group's Decision/Resolution

The group prefers the current use of 'may' over the more stringent recommended practice language of 'should'. The group did not find the commenter's argument in favor of the more stringent requirement for the 'should' recommended practice compelling.

Group's Notes
Accepted without opposition

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

| **Comment by:** | Phillip Barber | **Membership Status:** | Member | **Date:** ? |

Comment # 119   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 17   **Line** 20   **Fig/Table#**   **Subclause** 6.3.2.3.63

Fix some problems with Network Discovery and Selection, Global Roaming Support and Auth Policy negotiation for Initial Network Entry in network using NSP List

Suggested Remedy

Accept contribution C802.16g-07/047

GroupResolution   **Decision of Group:**   **Principle**

Accept contribution C802.16g-07/047r2 and C802.16g-07/050

Editor to apply C802.16g-07/050 only after applying C802.16g-07/047r2

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

1)   In C802.16g-07/047r2, remedy 8 includes remedy 1 again.
2)   "Type" column removed in the second table in 11.1.8.2 as agreed by Phil and the pre-release review team.

| **Comment by:** | | Erik   Colban | **Membership Status:** | Member | **Date:** | 2007/03/09 |

Comment # 120   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 18   **Line** 34   **Fig/Table#**   **Subclause** 6.3.2.3.63

The description: "Query ID is returned by the BS in the PKM-RSP for the MS's Query request to indicate that a backbone query through NCMS is being carried out on behalf of the MS." seems to be out of place and more appropriate for explaining the Query ID when included in the MIH Initial Response message (which IMO should be renamed to MIH Initial Acknowledge)

Suggested Remedy

Replace lines 34-35 by:
The Query ID TLV is used to correlate the response encapsulated in the MIHF frame carried in the MIHF frame TLV with a query previously sent by an MS within the broadcast area of the BS. It may be ignored by all other MSs.

GroupResolution   **Decision of Group:**   **Agree**

Replace lines 34-35 by:
The Query ID TLV is used to correlate the response encapsulated in the MIHF frame carried in the MIHF frame TLV with a query previously sent by an MS within the broadcast area of the BS. It may be ignored by all other MSs.

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Comment by:		Erik Colban	**Membership Status:**	Member	**Date:** 2007/03/09

Comment # 121   **Document under Review: P802.16g/D8**   **Ballot ID: 16gD8**

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 18   **Line** 38   **Fig/Table#**   **Subclause** 6.3.2.3.63

Missing articles and sentence period. Also decide on whether to use upper or lower case in names and name parts.

Suggested Remedy

Replace line 38 by:
The MIHF frame type TLV indicates the service type of the MIHF frame TLV.

GroupResolution   **Decision of Group:**   **Agree**

Replace line 38 by:
The MIHF frame type TLV indicates the service type of the MIHF frame TLV.

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

| **Comment by:** | Erik Colban | **Membership Status:** Member | **Date:** 2007/03/09 |

Comment # 122   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 18   **Line** 40   **Fig/Table#**   **Subclause** 6.3.2.3.63

Lines 40-41 need some editorial cleanup. More importantly: Avoid reference to primitives defined in section 14 in other sections of the 802.16 standard. Section 6 was initially written independently of section 14 and it should preferrably remain that way. Since it is not possibly to test conformance to the primitives defined in section 14, it is likely that there may be many 802.16-conformant products that do not support these primitives. Yet, it should be possible to interpret section 6 in an unambiguous manner. For test specification purposes, it is also better not to specify contents of the MAC management messages by resorting to section 14. .

Suggested Remedy

Replace line 40-41 by:
The encapsulated MIH response (11.1.9.1)

GroupResolution   **Decision of Group:**   **Principle**

Replace line 40-41 by:
The encapsulated MIH response

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Comment by:	Peretz Feder	**Membership Status:** Member	**Date:** 2007/03/10

Comment # 123   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 19   **Line**   **Fig/Table#**   **Subclause** 6.3.9.2

Introduce changes to section 6.3.9.2 and 6.3.9.3 enabling SS/MS avoid network entry into a loaded BS

Suggested Remedy

Adopt contribution C80216g-07_042 and C80216g-07_043.doc

GroupResolution   **Decision of Group:**   **Principle**

Accept contributions C802.16g-07/042r5 and C802.16g-07/046r4

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

As to C802.16g-07/046r4: 1) In table 349: "Non-pre-assigned UL radio resources" seems to be a leftover from a previous revision of that contribution (as pointed out by Richard during pre-review); Editor replaced it by "Available UL Radio Resources", for consistency with "Available DL Radio Resources" in table 358. 2) In the change to table 349: „PHY scope = All" added which was missing.

Comment by:　　　Peretz　Feder　　　　　　**Membership Status:**　Member　　　　　**Date:** 2007/03/10

Comment #　**124**　　　　　　**Document under Review:**　**P802.16g/D8**　　　　**Ballot ID:**　**16gD8**

Comment　　**Type** Technical　　**Part of Dis** ☐　**Satisfied** ☐　　**Page** 19　　**Line** 63　　**Fig/Table#**　　**Subclause** 6.3.9.5.1

conditions should just state the Non-pre-assigned DL/UL radio resources

Note: TG Chair changed comment type from 'Editorial' to 'Technical' at commenter's request

Suggested Remedy

moving to the next available downlink channel. Suitability of a channel is determined by conditions that include RSSI, CINR and the ~~available~~ Non-pre-assigned DL/UL radio resources.

GroupResolution　　　　　　　**Decision of Group:**　**Principle**

Reason for Group's Decision/Resolution

see resolution of comment 123

Group's Notes

Accepted without opposition

Editor's Notes　　　　　　**Editor's Actions**　　b) none needed

Presumably included in cmt#123 and its accepted contributions on DL/UL radio resources.

| **Comment by:** | Erik Colban | **Membership Status:** | Member | **Date:** 2007/03/09 |

Comment # 125　　　　　　　**Document under Review:** **P802.16g/D8**　　　　　**Ballot ID:** **16gD8**

Comment　　**Type** Technical　　**Part of Dis** ☐　**Satisfied** ☐　　**Page** 20　　**Line** 24　　　**Fig/Table#**　　　**Subclause** 6.3.9.8

This paragraph references 11.1.9.2, which is the MIHF frame type TLV section. However, the MIH capabilities are exchanged 1) in the DCD message sent by the BS and during SBC negotiation. Reference to 11.1.9.2 on line 24 should be replaced by by references to 11.4.1 "DCD channel encoding" and 11.8.10 "MIH Capability Supported TLV".

Suggested Remedy

Replace "(11.1.9.2)" by "(refer to 11.4.1and 11.8.10)".

GroupResolution　　　　　　　　**Decision of Group:**　**Principle**

Replace "(11.1.9.2)" by "(refer to 11.4.1and 11.8.10)".

On page 16, in line 14 & line 30, insert the following text:
MIH Capability Supported (11.8.10)

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Text is ok as per answer to Editor's question.

Comment by: Joey Chou   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 126   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 20   **Line** 62   **Fig/Table#**   **Subclause** 6.3.10.3.1

Change = to -

Suggested Remedy

Change = to -

GroupResolution   **Decision of Group:**   **Principle**

Editor to remove the underscoring below the hyphen

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Comment by:		Erik Colban		**Membership Status:**	Member	**Date:** 2007/03/09

Comment # 127   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 21   **Line** 38   **Fig/Table#**   **Subclause** 6.3.10.3.4

Currently, the RNG-RSP and MOB-PAG-ADV messages do not carry the rendevous time, CDMA code, and transmission opportunity offset

Suggested Remedy

Add Rendevous time, CDMA code and transmission opportunity offset to the RNG-RSP and MOB-PAG-ADV messages,

Alternatively, modify sentence as follows:

"When "Dedicated ranging indicator" is set to 1, then the ranging region and ranging method defined could be used for the purpose of ranging using dedicated CDMA code and transmit opportunity [IBEGIN NSERT]offset[END INSERT]assigned [BEGIN DELETE]in the unsolicited RNG-RSP message (for location determination of MS), the MOB_PAG-ADV message (for location update in idle mode) or [END DELETE]in the MOB_SCN-RSP message (for coordinated association)."

.. and remove all text related to U-TDOA, i.e., page 23, lines 11-16, and Annex G.

GroupResolution   **Decision of Group:**   **Principle**

Accept contribution C802.16g-07/049

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

First, third and last sentences editorially improved by saying:
This is the offset, measured in units of frame duration, when the BS is expected to provide a non-con¬tention-based ranging opportunity for the MS. … The BS is expected to provide the non-contention-based ranging opportunity at the frame specified by the rendezvous time parameter. … A unique transmission opportunity assigned to the MS, to be used for dedicated ranging, in units of symbol duration.

Comment by: Erik Colban   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 128   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 22   **Line** 6   **Fig/Table#**   **Subclause** 6.3.10.3.4

The sentences on line 6 - 8 are worded such that it seems that the "Power Level Adjust" only applies when sent in an unsolicited RNG-RSP sent for location determination. This field applies equally well when sent in a MOB_SCN-RSP sent for location determination purposes, or in an unsolicited RNG-RSP sent for other pupuses (e.g., periodic ranging).

Suggested Remedy

Delete paragraph on lines 6-8.

GroupResolution   **Decision of Group:**   **Agree**

Delete paragraph on lines 6-8.

Reason for Group's Decision/Resolution

Group's Notes

Accepted without objection

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

Comment by:	Erik Colban	**Membership Status:** Member	**Date:** 2007/03/09

Comment # 129   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 22   **Line** 11   **Fig/Table#**   **Subclause** 6.3.10.3.4

"may not" is ambiguous. Does it mean "need not" or "shall not"? My guess it that the intention is not to require that the BS to send a RNG-RSP message.
How does the MS determine that it has been requested to range for the purpose of location determination? If the MS does not receive the RNG-RSP, its state machine may hang until some timer expires. Should the MS attempt contention-based ranging? The procedure at the MS should be uniform for all dedicated ranging.

Furthermore "In case" should be avoided in standards!

Suggested Remedy
Replace paragraph on line 11-12 with:

Upon receiving a CDMA code for dedicated rangng, the BS is not required to send a RNG-RSP message to the MS.

Alternatively,

Upon receiving a CDMA code for dedicated rangng, the BS shall send a RNG-RSP message to the MS.

GroupResolution   **Decision of Group:**   **Principle**

Delete lines 11-12

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Comment by:	Erik Colban	**Membership Status:**	Member	**Date:** 2007/03/09

Comment # 130	**Document under Review:** P802.16g/D8	**Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 22   **Line** 22   **Fig/Table#**   **Subclause** 6.3.22.2.2

"non-pre-assigned DL and UL radio resources" refers to particular parameters that may be sent to an MS, which have been specified in section 11.18.2 and 11.18.3. The criteria for recommendation of target BSs at the serving BS is implementation specific and should be described here in very general terms. The text in 802.16e is adequate as is.

Suggested Remedy

Remove section 6.3.22.2.2 from this amendment.

GroupResolution   **Decision of Group:**   **Principle**

Change the paragraph as:

6.3.22.2.2 HO decision and initiation
Serving BS criteria for recommendation of target BS may include factors such as expected MS performance at potential target BS, [BEGIN DELETE]non-pre-assigned DL and UL radio resources[END DELETE][BEGIN INSERT]BS and network loading conditions[END INSERT] and MS QoS requirements. Serving BS may obtain expected MS performance and [BEGIN DELETE]non-pre-assigned DL and UL radio resources[END DELETE][BEGIN INSERT]BS and network loading conditions[END INSERT] at a potential target BS through the exchange of backbone messages with that BS. Serving BS may negotiate location of common time interval where dedicated initial ranging transmission opportunity for the MS will be provided by all potential target BSs. This information may be included into MOB_BSHO-RSP message.

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Comment by:	Erik Colban	**Membership Status:**	Member	**Date:** 2007/03/09

Comment # 131   **Document under Review: P802.16g/D8**   **Ballot ID: 16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 22   **Line** 42   **Fig/Table#**   **Subclause** 6.3.25

This paragraph references 11.1.9.2, which is the MIHF frame type TLV section. However, the MIH capabilities are exchanged in the DCD message sent by the BS and during SBC negotiation. Reference to 11.1.9.2 on line 42 should be replaced by by references to 11.4.1 "DCD channel encoding" and 11.8.10 "MIH Capability Supported TLV".

Suggested Remedy

Replace "(11.1.9.2)" by "(refer to 11.4.1and 11.8.10)".

GroupResolution   **Decision of Group: Agree**

Replace "(11.1.9.2)" by "(refer to 11.4.1and 11.8.10)".

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

| Comment by: | Erik Colban | Membership Status: | Member | Date: | 2007/03/09 |

| Comment # 132 | | Document under Review: | P802.16g/D8 | Ballot ID: | 16gD8 |

Comment **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 23   **Line** 13   **Fig/Table#**   **Subclause** 6.3.26.1

The algorithm for FRF=1 that this section referes to does not only imply that the serving and non-serving BS use the same frequency, but also that the BSs can allocate the same CDMA code with the same transmission opportunity. This requires very tight coordination between the BSs and aditional constraints on the scheduling. For this reason the algorithm for FRF > 1 could be preferred even when the FRF=1.

Suggested Remedy

Change " FRF (Frequency Reuse Factor) > 1" to "FRF (Frequency Reuse Factor) >= 1"

(Note to the editor: If you can find a pretty symbol for "greater than or equal to", please use it in lieu of ">=".)

GroupResolution   **Decision of Group:**   **Principle**

Change the sentence from:
Annex G describes two algorithms to show the U-TDOA measurement through the coordination of MS, serving BS, and non-serving BSs for wireless broadband networks with FRF (Frequency Reuse Factor) > 1 and FRF = 1, respectively.
to:
Annex G describes two algorithms to show the U-TDOA measurement through the coordination of MS, serving BS, and one or more neighbor BS for wireless broadband networks: the General U-TDOA Method, for any FRF (Frequency Reuse Factor); and the Special U-TDOA Method, for FRF = 1.

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Remedy applied, but "Annex G" changed to "Annex J" in alignment with Cmt#222 (record#137).

Comment by:	Joey Chou	**Membership Status:**	Member	**Date:**	2007/03/09

Comment # 133   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 23   **Line** 46   **Fig/Table#**   **Subclause** 8.4.5.5

The "size" column is too wide.

Suggested Remedy

Resize the column width in all tables throughout the document, so they are proportional. For example, reduce the width of "Size" column in the table in subclause 8.4.5.4 or 11.8.9. Also resize columns in Table 342, 346, 347, 348, , subclause 11.1.3, 11.1.8.1, 11.1.8.2, 11.7.7.1, 11.8.9, 11.8.10

GroupResolution   **Decision of Group:**   **Agree**

Resize the column width in all tables throughout the document, so they are proportional. For example, reduce the width of "Size" column in the table in subclause 8.4.5.4 or 11.8.9. Also resize columns in Table 342, 346, 347, 348, , subclause 11.1.3, 11.1.8.1, 11.1.8.2, 11.7.7.1, 11.8.9, 11.8.10

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

Editor noticed that sections 8.4.x.x are there without level 1 header. So the header 8. PHY was introduced.

Comment by:	Erik Colban	**Membership Status:**	Member	**Date:** 2007/03/09

Comment # 134   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 25   **Line** 13   **Fig/Table#**   **Subclause** 9.1.2

Client MIP is a protocol, MIP client is an entity in this protocol

Suggested Remedy

Replace "Client MIP" with "MIP client".

GroupResolution   **Decision of Group:**   Agree

Replace "Client MIP" with "MIP client".

Reason for Group's Decision/Resolution

Group's Notes
Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

In section 9.1.2, for consistency with the resolution of this comment, "Mobile IP Client" replaced with "MIP client".

Comment by: Erik Colban   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # **135**   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 26   **Line** 22   **Fig/Table#** 342   **Subclause** 10.1

Behavioral specification does not belong in this table.

Furthermore, this behaviour is incorrect in the case where there is no authentication and no MIH during network entry.

Suggested Remedy

Delete: If the BS does not receive a PKM-REQ within the time, management CIDs shall be released.

GroupResolution   **Decision of Group:**   **Agree**

Delete: If the BS does not receive a PKM-REQ within the time, management CIDs shall be released.

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Comment by:	Erik Colban	**Membership Status:**	Member	**Date:** 2007/03/09

Comment # 136   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 26   **Line** 30   **Fig/Table#** 342   **Subclause** 10.1

Behavioral specification does not belong in this table.

Furthermore, this behaviour is incorrect in the case where there is no authentication.

Suggested Remedy

Delete:
If the BS does not receive a PKM-REQ which initiates the security procedure within the time, management CIDs shall be released.

GroupResolution   **Decision of Group:**   **Agree**

Delete:
If the BS does not receive a PKM-REQ which initiates the security procedure within the time, management CIDs shall be released.

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

| Comment by: | Erik Colban | Membership Status: | Member | Date: | 2007/03/09 |

Comment # 137   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 26   **Line** 36   **Fig/Table#**   **Subclause** 10.1

The text in the Time Reference column is barely understandable when taken out of context in this manner. The reader will have to know that this text refers to the MIH query procedure before network entry.

Furthermore, the MS shall also monitor the UL-MAP in case the MIH response is unicast to the MS.

Furthermore, the text contains procedure specific text that does not belong in this table ("If the BS does not receive a PKM-REQ (code=33) until the counter is exhausted, management CIDs shall be released"

Suggested Remedy

Replace "Query Retry Counter" in the Name column with: "MIH max cycles"

Replace the text in the Time Reference column with:
The maximum number of cycles that an MS waits for an MIH response during initial entry. Refer to 6.3.25.

On page 22, lines 42 - 46, section 6.3.25, make the following changes:

When MIH query capability during network entry is enabled (11.1.9.2), PKM messages may be used to exchange MIH frame[BEGIN INSERT]s[END INSERT] for MIH queries. [BEGIN INSERT]

The MS may submit an MIH query by sending a PKM-REQ message with code 31 (MIH Initial Request) containing an MIHF frame encapsulating the query. Upon receiving this message the BS acknowledges the request by sending a PKM-RSP message with code 32 (MIH Initial Response). This message does not contain the response to the MIH query, but contains a Cycle TLV (11.1.9.3) which indicates when the response is expected to be ready for delivery to the MS. This message also contains a Query ID, which the MS may use to correlate the query with the response, and the delivery method (unicast or broadcast) that the BS will use.

When a unicast delivery method has been negotiated, if the BS is ready to transmit the MIH response, the BS shall allocate bandwidth for the MS in the UL-MAP in the MAC frame indicated by the Cycle TLV.   Upon receiving this UL allocation, the MS shall transmit at least a Bandwidth request PDU. If the MS has no data to transmit, the BR field of the Bandwidth request PDU shall be set to 0. The BS may use the receipt of the Bandwidth request PDU to assert the continued presence of the MS. If the MS does not send at least a Bandwidth Request PDU, the BS shall abort the network entry procedure for the MS, otherwise it shall send a PKM-RSP message with code 34 (MIH Comeback Response) containeing the encapsulated MIH response. The MIH Comeback Response message shall also contain the Query ID previously sent in the MIH Initial Response message, which the MS may use to correlate the MIH response with the MIH query. When a broadcast delivery method has been negotiated, if the BS is ready to transmit the MIH response, the BS shall transmit an SII-ADV message containing the MIH response in the MAC frame indicated by the Cycle TLV.

If the BS is not ready to transmit the MIH response at the time indicated by the Cycle TLV, the MS and BS shall wait for another cycle and repeat the procedures specified in the preceding paragraph. The maximum number of times the MS and BS shall perfom those procedures is determined by the MIH max cycles system parameter (10.1, Table 342).

[END INSERT][BEGIN DELETE]When broadcast delivery method is chosen for delivery of PKM-RSP (Code=34), BS shall make unsolicited bandwidth allocation at the end of cycle in order for MS to transmit PKM-REQ (Code=33).[END DELETE]

GroupResolution   **Decision of Group: Principle**

Replace "Query Retry Counter" in the Name column with: "MIH max cycles"

Replace the text in the Time Reference column with:
The maximum number of cycles that an MS waits for an MIH response during initial entry. Refer to 6.3.25.

On page 22, lines 42 - 46, section 6.3.25, make the following changes:

When MIH query capability during network entry is enabled (11.1.9.2), PKM messages may be used to exchange MIH frame[BEGIN INSERT]s[END INSERT] for MIH queries. [BEGIN INSERT]

The MS may submit an MIH query by sending a PKM-REQ message with code 31 (MIH Initial Request) containing an MIHF frame encapsulating the query. Upon receiving this message the BS acknowledges the request by sending a PKM-RSP message with code 32 (MIH Acknowledge). This message does not contain the response to the MIH query, but contains a Cycle TLV (11.1.9.3) which indicates when the response is expected to be ready for delivery to the MS. This message also contains a Query ID, which the MS may use to correlate the query with the response, and the delivery method (unicast or broadcast) that the BS will use.

When a unicast delivery method has been negotiated, if the BS is ready to transmit the MIH response, the BS shall allocate bandwidth for the MS in the UL-MAP in the MAC frame indicated by the Cycle TLV.   Upon receiving this UL allocation, the MS shall transmit at least a Bandwidth request PDU. If the MS has no data to transmit, the BR field of the Bandwidth request PDU shall be set to 0. The BS may use the receipt of the Bandwidth request PDU to assert the continued presence of the MS. If the MS does not send at least a Bandwidth Request PDU, the BS shall abort the network entry procedure for the MS, otherwise it shall send a PKM-RSP message with code 34 (MIH Comeback Response) containeing the encapsulated MIH response. The MIH Comeback Response message shall also contain the Query ID previously sent in the MIH Initial Response message, which the MS may use to correlate the MIH response with the MIH query. When a broadcast delivery method has been negotiated, if the BS is ready to transmit the MIH response, the BS shall transmit an SII-ADV message containing the MIH response in the MAC frame indicated by the Cycle TLV.

If the BS is not ready to transmit the MIH response at the time indicated by the Cycle TLV, the MS and BS shall wait for another cycle and repeat the procedures specified in the preceding paragraph. The maximum number of times the MS and BS shall perfom those procedures is determined by the MIH max cycles system parameter (10.1, Table 342).

[END INSERT][BEGIN DELETE]When broadcast delivery method is chosen for delivery of PKM-RSP (Code=34), BS shall make

unsolicited bandwidth allocation at the end of cycle in order for MS to transmit PKM-REQ (Code=33).[END DELETE]

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

1)   Section 6.3.25: Modification applied – in addition to the change from cmt#131. – "MIH Comeback Response" has now PKM message code 33 due to deletion of "MIH Comeback Request" (cmt#113, record#15), so 34 was changed to 33 here.
2)   Editor inserted the word "then" for better readability in the sentence "When a unicast delivery method has been negotiated, then if the BS is ready …", and same for broadcast delivery.

| **Comment by:** | Peretz Feder | **Membership Status:** | Member | **Date:** 2007/03/10 |

Comment # 138   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 30   **Line** 1   **Fig/Table#**   **Subclause** 11.3.1

Introduce changes to
"11.3.1 UCD channel encoding"
and
"11.4.1 DCD channel encoding"

adding TLV 23 and 24 Non-pre-assigned DL radio resources

Suggested Remedy

Adopt contribution C80216g-07_043.doc

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution

see resolution of comment 123

Group's Notes

Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

As said in "reason": See resolution of comment 123.

| **Comment by:** | | Erik   Colban | **Membership Status:** | Member | **Date:** | 2007/03/09 |

Comment # 139   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 30   **Line** 8   **Fig/Table#**   **Subclause** 11.1.9.1

The reference to specific sections and tables in 802.21 is incorrect. The 802.21 std is still in draft form and sections may be modified or rearranged, so it is better not to provide specific section references.

Suggested Remedy

Replace sentence beginning on line 8 with:

This TLV is used to carry an MIHF frame. MIHF frames are specified in IEEE Std 802.21.

GroupResolution   **Decision of Group:**   **Agree**

This TLV is used to carry an MIHF frame. MIHF frames are specified in IEEE Std 802.21.

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

| **Comment by:** | Erik Colban | **Membership Status:** | Member | **Date:** 2007/03/09 |

Comment # 140   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 30   **Line** 10   **Fig/Table#**   **Subclause** 11.1.9.1

Avoid reference to primitives defined in section 14 in other sections of the 802.16 standard. Section 6 was initially written independently of section 14 and it should preferrably remain that way. Since it is not possibly to test conformance to the primitives defined in section 14, it is likely that there may be many 802.16-conformant products that do not support these primitives. Yet, it should be possible to interpret section 6 in an unambiguous manner. For test specification purposes, it is also better not to specify contents of the MAC management messages by resorting to section 14.

Suggested Remedy

Delete sentence starting on line 10: MIH function frame shall be received and transmitted using C-MIH-IND primitive from/to NCMS.

GroupResolution   **Decision of Group:**   **Agree**

Delete sentence starting on line 10: MIH function frame shall be received and transmitted using C-MIH-IND primitive from/to NCMS.

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Comment by: Erik   Colban   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 141   **Document under Review: P802.16g/D8**   **Ballot ID: 16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 30   **Line** 19   **Fig/Table#**   **Subclause** 11.1.9.1

Reference in the value field description is incorrect.

Suggested Remedy

Replace the value field description with:
An MIHF frame. MIHF frames are specified in IEEE Std 802.21.

GroupResolution   **Decision of Group:**   **Agree**

Replace the value field description with:
An MIHF frame. MIHF frames are specified in IEEE Std 802.21.

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Comment by:	Erik Colban	**Membership Status:**	Member	**Date:** 2007/03/09

Comment # 142   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 30   **Line** 47   **Fig/Table#**   **Subclause** 11.1.9.3

Poor description of the Cycle TLV:
1) Grammatical errors
2) Behavioral procedures do not belong here.
3) MIH_Polling_IE is not needed nor is it specified anywhere and an alternative method is suggested in submitted changes to section 6.3.25. By refering to 6.3.25, there is no need to mention the MIH_Polling_IE here regardless of whether that change is accepted or not.

Suggested Remedy

Replace paragraph on lines 47 - 49 with:

This TLV is included to indicate when an MIH response is expected to be ready for delivery to the MS. Refer to 6.3.25.

GroupResolution   **Decision of Group:**   **Agree**

Replace paragraph on lines 47 - 49 with:

This TLV is included to indicate when an MIH response is expected to be ready for delivery to the MS. Refer to 6.3.25.

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

Not implemented because remedy contradicts that of cmt#143. Editor assumes that comment#143 prevails, and #142 is superseded by #143.

Comment by: Erik Colban   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 143   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 30   **Line** 47   **Fig/Table#**   **Subclause** 11.1.9.3

The description of the value field is inadequate. Unit and interpretation is missing.

Furthermore, when the MIH response is broadcast, the BS should not be required to transmit additional SII-ADV messages when it already transmits SII-ADV messages at regular intervals. The BS should be able to indicate when the next SII-ADV message is scheduled for, and the periodicity of the SII-ADV messages.

Suggested Remedy

Replace the description of the value field with:

Change the value in the Length field to "variable"

The lenght of the cycle (refer to 6.3.25) in units of frames.

When a unicast delivery method has been negotaited, the length field shall be set to 1. If the value is N and the message containing this TLV is sent in frame M, the BS may indicate that the MIH response is ready to be delivered to the MS by allocating bandwidth for the MS in the UL-MAP of frame K, where $K = M + i*N$, $i=1,..,$ MIH max cycles (10.1, Table 342) .

When a broadcast delivery method has been negotaited, the length of this field shall be set to 4. If the 16 most significant bits is N1 and the value of the 16 least significant bits is N2, and the message containing this TLV is sent in frame M, the BS may include the MIH response in an SII-ADV message sent in frame K, where $K = M + N1 + i*N2$, $i=1,..,$ MIH max cycles (10.1, Table 342) .

GroupResolution   **Decision of Group:** **Principle**

Replace lines 47 – 49 with:

The 8 LSB of the absolute frame number of the first frame where the MIH response is expected to be ready for transmittal to the MS, and interval between subsequent frames where the MIH response may be transmitted (refer to 6.3.25).

On line 58, change the value in the Length field to "2".

On line 58, change the description of the value field to : "The 8 MSB of this field is the 8 LSB of the absolute frame number when the BS may indicate that the MIH response is ready to be delivered to the MS by allocating bandwidth for the MS in the UL-MAP, if it is unicasting the MIH response, or when the BS may send an SII-ADV message including the MIH response (refer to section 6.3.25), if the BS is broadcasting the MIH response. The 8 LSB of this field is the MIH Cycle Offset. The MIH Cycle Offset is used to indicate

subsequent frames when the BS may allocate bandwidth for the MS in the UL-MAP or send an SII-ADV message including the MIH response. The subsequent frames are calculated by adding multiples of the MIH Cycle Offset to the original absolute frame number transmission opportunity.

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

In the remedy for lines 47-49, Editor preceeded the words "This TLV includes", and inserted a "the" before "interval" – for improved comprehensibility of this sentence.

Comment by:	Erik Colban	**Membership Status:** Member	**Date:** 2007/03/09

Comment # 144   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 31   **Line** 3   **Fig/Table#**   **Subclause** 11.1.9.4

Editorial corrections needed in lines 3 - 6.

Suggested Remedy

Replace paragraph on lines 3 - 6 by:

This TLV is used by the MS and BS to negotiate a preferred delivery method (broadcast or unicast). Only the BS may transmit a Status Code value different from 0x0000 (Null).

GroupResolution   **Decision of Group:**   **Agree**

Replace paragraph on lines 3 - 6 by:

This TLV is used by the MS and BS to negotiate a preferred delivery method (broadcast or unicast). Only the BS may transmit a Status Code value different from 0x0000 (Null).

Reason for Group's Decision/Resolution

Group's Notes
Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

Comment by:		Erik Colban	**Membership Status:**	Member	**Date:** 2007/03/09

Comment # 145　　　　　　　　　　　**Document under Review:** **P802.16g/D8**　　　　　　**Ballot ID:** **16gD8**

Comment　　**Type** Technical　　**Part of Dis** ☐　**Satisfied** ☐　　**Page** 31　　**Line** 14　　**Fig/Table#**　　**Subclause** 11.1.9.4

The semantics of the Status Code values is unclear:
- When is 0x0001 (MIH_Not_Supported) sent? The MS has already established that the BS supports MIH by decoding the DCD or during SBC negotiation.
- When is 0x0002 (Request_Delivery_Method_Not_Supported) sent? If the MS requested Unicast and the BS does not support that, the BS requests Broadcast, and that's it.
- When is 0x0004 (Response_Not_Received) sent? The message containing this TLV is sent before the response is received from the MIH IS anyhow.

Furthermore, the description may be given in normal English. Underscores and excessive capitalization is not needed.

Suggested Remedy

Remove Status Code values 0x0001, 0x0002, 0x0004

Change the description of Status Code 0x0003 to: Requested information is not available.

Renumber 0x0003 to 0x0001, and make the remaining codes reserved.

GroupResolution　　　　　　　　　**Decision of Group:**　**Agree**

Remove Status Code values 0x0001, 0x0002, 0x0004

Change the description of Status Code 0x0003 to: Requested information is not available.

Renumber 0x0003 to 0x0001, and make the remaining codes reserved.

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

While making the remaining codes reserved, Editor became aware that the Status Code (5 bits) has value range 0…31 only, or max 0x1F in hexadecimal. So two hex digits are more than sufficient. So the solution for the Status Code is: 0x00: Null, 0x01: Requested information is not available; 0x02 ~ 0x1F: reserved

Also in the text above the table, 0x0000 has been changed to 0x00 for consistency.

Comment by:	Erik Colban	**Membership Status:** Member	**Date:** 2007/03/09	

Comment # 146	**Document under Review:** P802.16g/D8	**Ballot ID:** 16gD8		

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 31   **Line** 29   **Fig/Table#**   **Subclause** 11.1.9.5

The Query ID is not sent to indicate that a backbone query is being carried out.
The BS is not using the MIH_Polling_IE to poll the MS
The Query ID is not used to retrieve the response.
Grammatical errors.

Suggested Remedy

Replace paragraph on line 29 - 32 by:
The BS sends this TLV to the MS when it acknowledges receipt of an MIH Initial Request message encapsulating an MIH query and sends it again when it sends the MIH response to the MIH query . The MS uses this TLV to correlate the MIH response with the MIH query.

GroupResolution   **Decision of Group:**   **Agree**

Replace paragraph on line 29 - 32 by:
The BS sends this TLV to the MS when it acknowledges receipt of an MIH Initial Request message encapsulating an MIH query and sends it again when it sends the MIH response to the MIH query . The MS uses this TLV to correlate the MIH response with the MIH query.

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Added a comma in the middle of the long sentence, before "and sends it again", for improved comprehensibility.

| **Comment by:** | Erik Colban | **Membership Status:** | Member | **Date:** 2007/03/09 |

Comment # 147   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 31   **Line** 40   **Fig/Table#**   **Subclause** 11.1.9.5

The description of the value field is incorrect and grammatically flawed.

Suggested Remedy

Replace the description of the value field with:
"This value uniquely identifies a pending MIH query at the BS. Note: Since MIH responses may be broadcast, it is not sufficient that this value be unique per (MIH query, MS) pair."

GroupResolution   **Decision of Group:**   **Principle**

Replace the description of the value field with:
"This value uniquely identifies a pending MIH query at the BS. Since MIH responses may be broadcast,
the value of Query ID shall be unique per BS."

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Comment by:	Erik Colban	**Membership Status:** Member	**Date:** 2007/03/09

Comment # 148   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 35   **Line** 37   **Fig/Table#**   **Subclause**

Inclusion of the TLV alone does NOT indicate support for the MIH Function. Support for the MIH Function requires 1) inclusion of the TLV, and 2) that Bit#0 of the TLV be set to '1'.

Suggested Remedy

Replace the first sentence of the paragraph on lines 37-40 with:

"The "MIH Capability Supported" TLV indicates if MIH is supported. MSs and BSs that support the MIH handover function shall identify themselves by including this TLV and setting at least bit #0 of its value field to 1."

GroupResolution   **Decision of Group:** **Principle**

Replace the first paragraph with:

The "MIH Capability Supported" TLV indicates if MIH is supported. MSs and BSs that support the MIH handover function shall identify themselves by including this TLV and setting at least bit #0 of its value field to 1. MSs and BSs that do not support the 802.21 MIH function shall not support the MOB_MIH-MSG management message. A BS may provide a network discovery query mechanism during network entry using MIH frames. A BS shall indicate support for this capability using bits #4 and #5.

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

The remedy includes the words "MIH handover function". Editor replaced this by MIHF.

Comment by:	Peretz Feder		**Membership Status:** Member		**Date:** 2007/03/10

Comment # 149   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 40   **Line** 49   **Fig/Table#**   **Subclause** 11.18.2

provide averaging algorithm

Suggested Remedy

Adopt contribution C80216g-07_046.doc

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution

see resolution of comment 123

Group's Notes

Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

Superseded by cmt#123 and contributions C802.16g-07/042r5 and C802.16g-07/046r4.

| **Comment by:** | | Peretz Feder | | **Membership Status:** | Member | | **Date:** | 2007/03/10 |

Comment # **150**   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

| **Comment** | **Type** Technical | **Part of Dis** ☐ | **Satisfied** ☐ | **Page** 41 | **Line** 8 | **Fig/Table#** | **Subclause** 11.8.3 |

provide averaging algorithm

Suggested Remedy

Adopt contribution C80216g-07_046.doc

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution

see resolution of comment 123

Group's Notes

Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

Superseded by cmt#123 and contributions C802.16g-07/042r5 and C802.16g-07/046r4.

Comment by:	Jaesun Cha	**Membership Status:** Member	**Date:** 2007/03/08

Comment # 151   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 45   **Line** 11   **Fig/Table#**   **Subclause** 14.1.2.1

Since Action_Type is an optional parameter for an operation service primitive,
we don't need to put an Action_Type of which value is 'null'.

Suggested Remedy

Delete Action_Type 'null' from the table on page 45.

Delete any Action_Type of which value is 'null' from the definition of any service primitive throughout the specification.

GroupResolution   **Decision of Group:** **Principle**

Delete Action_Type 'null' from the table on page 45 in the table, and in the text on page 49 and page 50.

Delete any Action_Type of which value is 'null' from the definition.

Change the Operation_Type for from 'Action' to 'Get'

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Changes done to p. 45, 49 and 50. There were no other occurrences of Action Type: Null.

Comment by: Joey   Chou   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 152   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 49   **Line** 51   **Fig/Table#**   **Subclause** 14.2.1.2.1

Change "This primitive is generated by the NCMS," to " Upon receiving this primitive from NCMS,"

Suggested Remedy

Change "This primitive is generated by the NCMS," to " Upon receiving this primitive from NCMS,"

GroupResolution   **Decision of Group:**   **Agree**

Change "This primitive is generated by the NCMS," to " Upon receiving this primitive from NCMS,"

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Comment by:		Jaesun Cha		**Membership Status:**	Member		**Date:** 2007/03/08

Comment # 153   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 51   **Line** 20   **Fig/Table#** 449   **Subclause** 14.2.1.2.3

Two different methods are used to describe an attribute for a service primitive.
One is to use a table to define an attribute and its type, valid range and description.
The other one is just to describe an attribute and to enumerate its valid range.

We propose to use one method to keep the consistency.

Suggested Remedy

Discuss and adopt contribution C80216g-07/036

GroupResolution   **Decision of Group:**   **Principle**

Accept contribution C802.16g-07/036

Editor to render Enumerated lists to bulleted lists

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

1)   In section 14.2.7.2.3.1, Editor replaced "version 4, version 6" by "IPv4, IPv6" for less ambiguity.
2)   In section 14.2.7.3, Editor replaced "Enumeration" by "bitmap" since "HO Process Optimization TLV" is not an enumeration but a bitmap where more than one event can be set simultaneously.

| **Comment by:** | JeeHyeon Na | | **Membership Status:** | Other | | **Date:** 2007/03/09 |

| **Comment #** 154 | | **Document under Review:** **P802.16g/D8** | | **Ballot ID:** **16gD8** |

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 51   **Line** 56   **Fig/Table#** Jee   **Subclause** 14.2.2.1

IEEE 802.16g Network reference model defines a NCMS and an 802.16 entity in each side. However Section 14.2.2.1 only describes security primitives on an BS side. Therefore security primitives on an MS side are also needed for consistency.

Suggested Remedy

Discuss and adopt contribution C80216g-07/039

GroupResolution   **Decision of Group:**   **Principle**

Accept contribution C802.16g-07/039r5

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

1)   In 14.2.2.1.1.5, Editor removed the redundant words "may be SS MAC address" in the description of SS MAC address.
2)   In 14.2.2.1.1.4, Editor corrected the obvious mix-up between SS and BS and between REQ and RSP in some bulleted entries of "When generated" and "Effect of receipt".

Comment by:	Joey Chou		**Membership Status:**	Member	**Date:**	2007/03/09

Comment # 155   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 53   **Line** 24   **Fig/Table#**   **Subclause** 14.2.2.1.1.1

SS is used in the Function. But MS MAC address is used in the attribute list.

Suggested Remedy

Change occurrences of MS to SS

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution

see resolution of comment 154

Group's Notes

Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

Already done by cmt#154.

Comment by:	Joey Chou	**Membership Status:**	Member	**Date:** 2007/03/09

Comment # 156　　　　　　　　　**Document under Review:** P802.16g/D8　　　　　　**Ballot ID:** 16gD8

Comment 　**Type** Technical　　**Part of Dis** ☐　**Satisfied** ☐　　**Page** 53　　**Line** 24　　　**Fig/Table#** 　　**Subclause** 14.2.2.1.1.1

Restructure When generated and Effect of receipt

Suggested Remedy

Change from
When generated
This primitive can be issued by a BS in EAP procedure to transfer EAP Message included in PKMv2 PKM-REQ message. This primitive can also be issued by a NCMS in EAP procedure to transfer EAP Message to BS.
Effect of receipt
When received by NCMS, the NCMS could derive PMK and optional EIK from the MSK , then AK context from PMK after a successful authentication procedure.
When received by BS, the BS forwards EAP payload to SS in PKM-RSP message.

to
When generated
1. BS--> NCMS
This primitive can be issued by a BS in EAP procedure to transfer EAP Message included in PKMv2 PKM-REQ message.
2. NCMS --> BS
This primitive can be issued by a NCMS in EAP procedure to transfer EAP Message to BS.
Effect of receipt
1. BS--> NCMS
When received by NCMS, the NCMS could derive PMK and optional EIK from the MSK , then AK context from PMK after a successful authentication procedure.
2. NCMS --> BS
When received by BS, the BS forwards EAP payload to SS in PKM-RSP message.

GroupResolution　　　　　　　　　　**Decision of Group:**　**Principle**

Reason for Group's Decision/Resolution

see resolution of comment 154

Group's Notes

Accepted without opposition

2007/07/10   **IEEE 802.16-07/018r5**

Comment by:	Joey Chou	**Membership Status:** Member	**Date:** 2007/03/09

Comment # 157   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment **Type** Editorial **Part of Dis** ☐ **Satisfied** ☐ **Page** 54 **Line** 22 **Fig/Table#** **Subclause** 14.2.2.1.1.2

The paragraph format of Function, When Generated, and Effect of Receipt should be consistent. For example paragraphs on p54 are indented, bit they are not on P49

Suggested Remedy

Make all paragraph formats of Function, When Generated, and Effect of Receipt consistent throughout the document

GroupResolution   **Decision of Group:** **Agree**

Make all paragraph formats of Function, When Generated, and Effect of Receipt consistent throughout the document

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

Used indentation throughout, including for When Generated and Effect of Receipt – just as when there are bullets before.

| **Comment by:** | JeeHyeon Na | **Membership Status:** Other | **Date:** 2007/03/09 |

Comment # 158   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 55   **Line** 57   **Fig/Table#**   **Subclause** 14.2.2.2

IEEE 802.16g Network reference model defines a NCMS and an 802.16 entity in each side. However Section 14.2.2.2 only describes security primitives on an BS side. Therefore security primitives on an MS side are also needed for consistency.

Suggested Remedy

Discuss and adopt contribution C80216g-07/040

GroupResolution   **Decision of Group:**   **Principle**

Accept contribution C802.16g-07/040r4

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

1)   In 14.2.2.2.2, Editor deleted the obsolete words "may be SS MAC Address".
2)   In 14.2.2.2.3 the words "(or message)" have been deleted since C-SM-RSP is a C-SAP primitive and not a message.

Comment by:	Joey Chou	**Membership Status:** Member	**Date:** 2007/03/09	

Comment # 159	**Document under Review:** P802.16g/D8	**Ballot ID:** 16gD8	

Comment **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 56   **Line** 33   **Fig/Table#**   **Subclause** 14.2.2.1.1.4

Restructure When generated and Effect of receipt

Suggested Remedy

Change from
When generated
The BS shall send a notification message with this event type to the NCMS whenever it received from the MS a PKMv2 Authenticated EAP_Transfer message, equipped with a valid "HMAC digest/CMAC digest" attribute value. This way, the BS shall relay the EAP payload contained in the PKMv2 Authenticated EAP_Transfer message to the NCMS.
The NCMS shall send a notification message with this event type to the BS in order to response to an Authenticated_EAP_Transfer primitive received from the BS.
Effect of receipt
When received by BS: When the BS receives a Authenticated_EAP_Transfer primitive from NCMS, it generates a PKMv2 Authenticated EAP_Transfer message carrying the EAP contained in the primitive to the MS.
When received by NCMS: When the NCMS receives an Authenticated_EAP_Transfer primitive, it generates either a response primitive of the same type and sends it to the BS, or - after successful completion of the second EAP round - derives PMK2 from MSK2, then AK from PKM and PMK2, and an AK context.

to
When generated
1. BS--> NCMS
The BS shall send a notification message with this event type to the NCMS whenever it received from the MS a PKMv2 Authenticated EAP_Transfer message, equipped with a valid "HMAC digest/CMAC digest" attribute value. This way, the BS shall relay the EAP payload contained in the PKMv2 Authenticated EAP_Transfer message to the NCMS.
2. NCMS --> BS
The NCMS shall send a notification message with this event type to the BS in order to response to an Authenticated_EAP_Transfer primitive received from the BS.
Effect of receipt
1. BS--> NCMS
When received by BS: When the BS receives a Authenticated_EAP_Transfer primitive from NCMS, it generates a PKMv2 Authenticated EAP_Transfer message carrying the EAP contained in the primitive to the MS.
2. NCMS --> BS
When received by NCMS: When the NCMS receives an Authenticated_EAP_Transfer primitive, it generates either a response primitive of the same type and sends it to the BS, or - after successful completion of the second EAP round - derives PMK2 from MSK2, then AK

from PKM and PMK2, and an AK context.

GroupResolution   **Decision of Group:** **Principle**

Reason for Group's Decision/Resolution

see resolution of comment 154

Group's Notes

Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

Already done by cmt#154.

2007/07/10   **IEEE 802.16-07/018r5**

Comment by:	Joey Chou	**Membership Status:** Member	**Date:** 2007/03/09
Comment # 160	**Document under Review:** P802.16g/D8		**Ballot ID:** 16gD8

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 59   **Line** 33   **Fig/Table#**   **Subclause** 14.2.2.2.3

This primitive (or message) are redundant.

Suggested Remedy

Delete "(or message)" in 14.2.2.2.1, 14.2.2.2.2, 14.2.2.2.3, 14.2.2.3.1.1, 14.2.2.3.1.2

GroupResolution   **Decision of Group:** **Agree**

Delete "(or message)" in 14.2.2.2.1, 14.2.2.2.2, 14.2.2.2.3, 14.2.2.3.1.1, 14.2.2.3.1.2

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Comment by: Joey Chou   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 161   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 62   **Line** 26   **Fig/Table#**   **Subclause** 14.2.2.3.1.1

When generated and Effect of receipt in 14.2.2.3.1.1 are mixed with primitives issued by BS and NCMS.

When generated:
This primitive is issued by a BS or the NCMS when the handover procedure is successfully processed. The actual trigger point may be different according to the security sharing policy. One example is a serving BS issues this primitive after it generates HO start primitive.
Effect of receipt:
The entity receiving this primitive shall response with C-SM-RSP/Context Transfer primitive. In addition, if the serving BS issues this primitive for the MS security information, the NCMS entity shall forwards the MS information to the target BS or another NCMS entity using C-SM-RSP/Context Transfer primitive.

Suggested Remedy

Separate the text in When generated and Effect of receipt into two subparagraph for BS-->NCMS and NCMS-->BS

GroupResolution   **Decision of Group:**   **Principle**

Change from

When generated:

This primitive is issued by a BS or the NCMS when the handover procedure is successfully processed. The actual trigger point may be different according to the security sharing policy. One example is a serving BS issues this primitive after it generates HO start primitive.

Effect of receipt:

The entity receiving this primitive shall response with C-SM-RSP/Context Transfer primitive. In addition, if the serving BS issues this primitive for the MS security information, the NCMS entity shall forwards the MS information to the target BS or another NCMS entity using C-SM-RSP/Context Transfer primitive.

To

When generated:
§   BS to NCMS:
        Context transfer initiated by a serving BS.
§   NCMS to BS

Context transfer initiated by a target BS

Effect of receipt:
§   BS to NCMS:
      NCMS entity shall forwards the MS information to the target BS or another NCMS entity using C-SM-RSP/Context Trans.
§   NCMS to BS
      BS responds with C-SM-RSP message

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Done, but replacing BS with "802.16 entity (BS)" as usual throughout section 14.

| Comment by: | Joey Chou | **Membership Status:** Member | **Date:** 2007/03/09 |

Comment # 162   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 63   **Line** 40   **Fig/Table#**   **Subclause** 14.2.2.3.1.2

When generated and Effect of receipt in 14.2.2.3.1.2 are mixed with primitives issued by BS and NCMS.

When generated:
This primitive is issued by the target BS or the NCMS when the C-SM-REQ/Context_Transfer is successfully processed.
Effect of receipt:
This primitive informs the result of context transfer for the handover

Suggested Remedy

Separate the text in When generated and Effect of receipt into two subparagraph for BS-->NCMS and NCMS-->BS

GroupResolution   **Decision of Group:**   **Principle**

Change from

When generated:

This primitive is issued by the target BS or the NCMS when the C-SM-REQ/Context_Transfer is successfully processed.

Effect of receipt:

This primitive informs the result of context transfer for the handover

To

When generated:
§   BS to NCMS:
        BS sends this primitive when the C-SM-REQ/Context_Transfer is successfully processed.
§   NCMS to BS
        NCMS sends this primitive when the C-SM-REQ/Context_Transfer is successfully processed

Effect of receipt:
§   BS to NCMS:
        BS informs the result of context transfer for the handover.

§ NCMS to BS
   NCMS informs the result of context transfer for the handover.

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Done, but replacing BS with "802.16 entity (BS)" as usual throughout section 14.

Comment by: Joey   Chou   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # **163**   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 64   **Line** 45   **Fig/Table#**   **Subclause** 14.2.3.1

Event type "SMC-IND" is misleading.

Suggested Remedy
Change "SMC-IND" to "SMC_Payload" in occurances in subclause 14.2.3.1.1

add the event type "SMC_Payload" to the table in 14.1.2.2

GroupResolution   **Decision of Group:**   **Principle**

Change the event_type "SMC-IND" to "SMC_PAYLOAD" in the heading, and in occurances in subclause 14.2.3.1.1

add the event type "SMC_PAYLOAD" to the table in 14.1.2.2

Change the event_type "SMC-IND" to "SMC_PAYLOAD" in the Table in 14.2.3.1

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Comment by:	JeeHyeon Na	**Membership Status:** Other	**Date:** 2007/03/09

Comment # 164   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 67   **Line** 62   **Fig/Table#**   **Subclause** 14.2.4

This contribution is to clarify subscriber mode related function of an NCMS on the MS side and refine idle mode service primitives and figures in order to include interfaces between an MS and an NCMS on the MS side.

Suggested Remedy

Discuss and adopt contribution C80216g-07/037

GroupResolution   **Decision of Group:**   **Principle**

Accept contribution C802.16g-07/037r7

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

1)   Figure 479, caption: Editor changed "or" to "and" in "(on BS and MS side)". That makes clear the diagram applies at both sides.

2)   Figure 480, caption: Added the word "by" in "Idle mode initiation (by NCMS on the MS side)".

3)   In 14.2.4.2.1.1, contribution C802.16g-07/037r7 used mainly "MS", sometimes "SS". Editor change it to "MS" throughout 14.2.4 since Idle Mode is for MS only.

| **Comment by:** | | Jaesun Cha | | **Membership Status:** | Member | | **Date:** | 2007/03/08 |

Comment # 165   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 68   **Line** 3   **Fig/Table#**   **Subclause** 14.2.4.1

C-PG-IND is not an essential condition for mode change from Idle mode to Normal mode
because the current location of the MS may not belong to any the paging groups included in a MOB_PAG-ADV message.

NCMS can change the subscriber mode to Normal Mode only after the successful reception of C-PG-ACK primitive.

Suggested Remedy

[Modify the last sentence on page 68 as follows]
Subscriber Mode transition from Idle Mode to Normal Operation is initiated after exchanging ~~C-PG-IND,~~ C-PG-RSP~~,~~ and C-PG-ACK
between a BS and the NCMS, where ~~C-PG-IND,~~ C-PG-RSP~~,~~ and C-PG-ACK are defined in ~~14.2.4.2.1,~~ 14.2.4.2.2~~,~~ and 14.2.4.2.3,
respectively.

[Remove '(C-PG-IND..)' from Figure 479.]

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution

See resolution of comment 164

Group's Notes

Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

Already included in cmt#164.

Comment by: Jaesun Cha   **Membership Status:**   Member   **Date:** 2007/03/08

Comment # 166   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Editorial   **Part of Dis** ☐   **Satisfied** ☐   **Page** 71   **Line** 3   **Fig/Table#**   **Subclause** 14.2.4.2.1

The type of idle mode service procedure to be performed is differentiated by the value of Action_Type, not Operation_Type.

Suggested Remedy

[Modify the first paragraph of 14.2.4.2.1 on page 71 as follows]

This primitive is used by an 802.16 entity or NCMS to trigger an idle mode service procedure. The Action _Type~~Operation_Type~~ included in this primitive defines the type of idle mode service procedure to be performed. The possible Action _Types~~Operation_Types~~ for this primitive are listed in Table below.

[Modify the first paragraph of 14.2.4.2.2 on page 73 as follows]
This primitive is used by an 802.16 entity or NCMS to respond to an idle mode service request. The Action _Type~~Operation_Type~~ included in this primitive defines the type of idle mode service procedure to be performed. The possible Action _Types~~Operation_Types~~ for this primitive are listed in Table below.

[Modify the first paragraph of 14.2.4.2.3 on page 75 as follows]
This primitive is used by the BS to acknowledge the NCMS of network re-entry from idle mode. The Action _Type~~Operation_Type~~ included in this primitive defines the type of idle mode service procedure to be performed. The possible Action _Types~~Operation_Types~~ for this primitive are listed in Table below.

GroupResolution   **Decision of Group:**   **Agree**

[Modify the first paragraph of 14.2.4.2.1 on page 71 as follows]

This primitive is used by an 802.16 entity or NCMS to trigger an idle mode service procedure. The [BEGIN INSERT]Action Type[END INSERT][BEGIN DELETE]~~Operation _Type~~[END DELETE] included in this primitive defines the type of idle mode service procedure to be performed. The possible [BEGIN INSERT]Action Type[END INSERT][BEGIN DELETE]~~Operation _Type~~[END DELETE] for this primitive are listed in Table below.

[Modify the first paragraph of 14.2.4.2.2 on page 73 as follows]
This primitive is used by an 802.16 entity or NCMS to respond to an idle mode service request. The [BEGIN INSERT]Action Type[END INSERT][BEGIN DELETE]~~Operation _Type~~[END DELETE] included in this primitive defines the type of idle mode service procedure to be performed. The possible [BEGIN INSERT]Action Type[END INSERT][BEGIN DELETE]~~Operation _Type~~[END DELETE] for this primitive are listed in Table below.

[Modify the first paragraph of 14.2.4.2.3 on page 75 as follows]

This primitive is used by the BS to acknowledge the NCMS of network re-entry from idle mode. The [BEGIN INSERT]Action Type[END INSERT[BEGIN DELETE]Operation Type[END DELETE] included in this primitive defines the type of idle mode service procedure to be performed. The possible [BEGIN INSERT]Action Type[END INSERT[BEGIN DELETE]Operation Type[END DELETE] for this primitive are listed in Table below.

Reason for Group's Decision/Resolution

Group's Notes
Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

2007/07/10   IEEE 802.16-07/018r5

Comment by: Joey Chou   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 167   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 71   **Line** 38   **Fig/Table#**   **Subclause** 14.2.4.2.1.1
This primitive can be used in BS-->NCMS and NCMS-->MS

Suggested Remedy
Change Destination to NCMS, SS

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution
See resolution of comment 164

Group's Notes
Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed
Included in cmt#164.

Comment by:	Jaesun Cha	Membership Status:	Member	Date:	2007/03/08

Comment # 168   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 72   **Line** 18   **Fig/Table#**   **Subclause** 14.2.4.2.1.1

Although C-PG-REQ (Idle_Mode_Initiation) can be generated by a BS as well as a NCMS,
only one case is described.

Suggested Remedy

[Modify the last two paragraph of 14.2.4.2.1.1 on page 72 as follows]

When generated:
    This primitive is generated when a BS receives a DREG-REQ message with
    Deregistration_Request_Code=0x01, "request for MS De-Registration from serving BS and initiation
    of MS Idle Mode". NCMS also can issue this primitive to force MS into an Idle mode by instructing the BS to
    initiate a DREG-CMD to the MS with Action Code = 0x05.

Effect of receipt:
    ~~This primitive shall be generated on the BS side and the Paging and Idle Mode Services entity shall respond~~
    ~~to this primitive by sending C-PG-RSP(Idle_Mode_Initiation).~~ Any entity which receives this primitive shall
    respond to it with C-PG-RSP(Idle_Mode_Initiation).

GroupResolution   **Decision of Group:** **Principle**

Reason for Group's Decision/Resolution

See resolution of comment 164

Group's Notes

Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

Included in cmt#164.

Comment by: Joey Chou   **Membership Status:** Member   **Date:** 2007/03/09

Comment # 169   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 72   **Line** 18   **Fig/Table#**   **Subclause** 14.2.4.2.1.1

Text in When generated and Effect of receipt does not cover both cases BS-->NCMS and NCMS-->MS

Suggested Remedy

Fix the text in When generated and Effect of receipt to cover both cases BS-->NCMS and NCMS-->MS

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution

See resolution of comment 164

Group's Notes

Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

Included in cmt#164.

Comment by:	Joey Chou	**Membership Status:**	Member	**Date:** 2007/03/09

Comment # 170   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 73   **Line** 14   **Fig/Table#**   **Subclause** 14.2.4.2.1.2

"Network_Re-Entry_from_Idle_Mode" is not needed

Suggested Remedy

Delete "Network_Re-Entry_from_Idle_Mode"

GroupResolution   **Decision of Group:**   **Agree**

Delete "Network_Re-Entry_from_Idle_Mode"

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

Editor's Notes   **Editor's Actions**   b) none needed

Superseded by cmt#164 and contribution C802.16g-07/037r7.

Comment by:		Joey Chou	**Membership Status:**	Member	**Date:** 2007/03/09

Comment # **171**   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 73   **Line** 14   **Fig/Table#**   **Subclause** 14.2.4.2.1.2

Network_Re-Entry_from_Idle_Mode is redundant

Suggested Remedy

Delete Network_Re-Entry_from_Idle_Mode in "Effect of receipt"

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution

See resolution of comment 164

Group's Notes

Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

Superseded by cmt#164 and contribution C802.16g-07/037r7.

| **Comment by:** | | Joey Chou | | **Membership Status:** | Member | | **Date:** 2007/03/09 |

Comment # 172   **Document under Review: P802.16g/D8**   **Ballot ID: 16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 73   **Line** 23   **Fig/Table#**   **Subclause** 14.2.4.2.2.

The paragraph and table under 14.2.4.2.2. are already covered in the subclauses 14.2.4.2.2.1 and 14.2.4.2.2.2. They are redundant.

Suggested Remedy

Delete the paragraph and the table below the paragraph

This primitive is used by an 802.16 entity or NCMS to respond to an idle mode service request. The Operation_Type included in this primitive defines the type of idle mode service procedure to be performed. The possible Operation_Types for this primitive are listed in Table below:

GroupResolution   **Decision of Group: Principle**

Modify the paragraph as:

[BEGIN DELETE]~~This primitive is used by an 802.16 entity or NCMS to respond to an idle mode service request. The Operation_Type included in this primitive defines the type of idle mode service procedure to be performed.~~[END DELETE] The possible [BEGIN DELETE]~~Operation_Types~~[END DELETE][BEGIN INSERT]Action_Types[END INSERT] for this primitive are listed in Table below:'

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

| **Comment by:** | Joey Chou | **Membership Status:** Member | **Date:** 2007/03/09 |

Comment # 173   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 73   **Line** 23   **Fig/Table#**   **Subclause** 14.2.4.2.2.1

The Function paragraph as shown below is misleading.
Function:
This primitive is issued by the Paging and Idle Mode Services entity in the NCMS in response to the C-PG-REQ(Idle_Mode_Initiation) primitive.

Suggested Remedy

Change

Function:
This primitive is issued by the Paging and Idle Mode Services entity in the NCMS in response to the C-PG-REQ(Idle_Mode_Initiation) primitive.

to
Function
NCMS sends this primitive to BS in response to the idle mode initiation request.

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution

See resolution of comment 164

Group's Notes
Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

Obviously superseded by cmt#164 and contribution C802.16g-07/037r7.

Comment by: Joey   Chou   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 174   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 73   **Line** 23   **Fig/Table#**   **Subclause** 14.2.4.2.2.1

The When generated and Effect of receipt: subclauses as shown below are misleading.
When generated:
This primitive is generated to request a BS to issue a DREG-CMD message.
Effect of receipt:
A BS receiving C-PG-RSP(Idle_Mode_Initiation) shall transmit DREG-CMD message with setting each field in accordance with the information elements in this primitive.

Suggested Remedy

Change

When generated:
This primitive is generated to request a BS to issue a DREG-CMD message.
Effect of receipt:
A BS receiving C-PG-RSP(Idle_Mode_Initiation) shall transmit DREG-CMD message with setting each field in accordance with the information elements in this primitive.

to
When generated:
NCMS sends this primitive in response to the idle mode initiation request from BS.
Effect of receipt:
Upon receiving C-PG-RSP, BS shall transmit DREG-CMD message with setting each field in accordance with the information elements in this primitive.

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution

See resolution of comment 164

Group's Notes

Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

2007/07/10   **IEEE 802.16-07/018r5**

Comment by: Jaesun   Cha   **Membership Status:**   Member   **Date:** 2007/03/08

Comment # 175   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 73   **Line** 40   **Fig/Table#**   **Subclause** 14.2.4.2.2.1

Although C-PG-RSP (Idle_Mode_Initiation) can be generated by a BS as well as a NCMS,
only one case is described.

Suggested Remedy

[Modify the first paragraph of 14.2.4.2.2.1 on page 73 as follows]
Function:
    This primitive is issued by an 802.16 entity or the Paging and Idle Mode Services entity in the NCMS in
     response to the C-PG-REQ(Idle_Mode_Initiation) primitive.

[Modify the last two paragraph of 14.2.4.2.2.1 on page 74 as follows]
When generated:
    ~~This primitive is generated to request a BS to issue a DREG-CMD message.~~ This primitive is generated to
    respond to the C-PG-REQ (Idle_Mode_Initiation).

Effect of receipt:
    A BS receiving C-PG-RSP(Idle_Mode_Initiation) shall transmit DREG-CMD message with setting each field in
    accordance with the information elements in this primitive. A NCMS receiving C-PG-RSP
    (Idle_Mode_Initiation) is aware that the MS has entered Idle Mode successfully.

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution

See resolution of comment 164

Group's Notes

Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

Obviously superseded by cmt#164 and contribution C802.16g-07/037r7.

Comment by: Joey Chou   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 176   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 73   **Line** 54   **Fig/Table#**   **Subclause** 14.2.4.2.2.1

This primitive is sent from NCMS to BS

Suggested Remedy

Change

Destination: NCMS, BS, MS,

to
Destination: BS,

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution

See resolution of comment 164

Group's Notes

Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

Obviously superseded by cmt#164 and contribution C802.16g-07/037r7.

Comment by: Joey Chou   **Membership Status:** Member   **Date:** 2007/03/09

Comment # 177   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 74   **Line** 39   **Fig/Table#**   **Subclause** 14.2.4.2.2.2

The Function paragraph as shown below is misleading. It seems to be issued by the Paging and Idle Mode Services entity in NCMS, but, the destination is NCMS. Moreover, the paragraphs in When generated and Effect of receipt: subclauses are misleading.

Function:
This primitive is issued by the Paging and Idle Mode Services entity to confirm the MS Network Re-entry from Idle Mode and provide the BS, at which the MS is attempting to re-enter the network, with service and operational information.

Suggested Remedy

Clarify and fix 14.2.4.2.2.2

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution

See resolution of comment 164

Group's Notes

Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

Obviously superseded by cmt#164 and contribution C802.16g-07/037r7.

Comment by:	Joey Chou	**Membership Status:** Member	**Date:** 2007/03/09

Comment # 178　　　　　　　　　　**Document under Review:** **P802.16g/D8**　　　　　　**Ballot ID:** **16gD8**

Comment　　**Type** Technical　　**Part of Dis** ☐ **Satisfied** ☐　　**Page** 75　　**Line** 20　　**Fig/Table#**　　**Subclause** 14.2.4.2.3

The paragraph and table under 14.2.4.2.3. are already covered in the Function description. They are redundant.

Suggested Remedy

Delete the paragraph and the table below the paragraph

This primitive is used by the BS to acknowledge the NCMS of network re-entry from idle mode. The Operation_Type included in this primitive defines the type of idle mode service procedure to be performed. The possible Operation_Types for this primitive are listed in Table below:

GroupResolution　　　　　　　　　　**Decision of Group:**　**Principle**

Modify the paragraph as:

[BEGIN DELETE]~~This primitive is used by the BS to acknowledge the NCMS of network re-entry from idle mode. The Operation_Type included in this primitive defines the type of idle mode service procedure to be performed~~[END DELETE]. The possible [BEGIN DELETE]~~Operation_Types~~[END DELETE][BEGIN INSERT]Action_Types[END INSERT] for this primitive are listed in Table below:

Reason for Group's Decision/Resolution

Group's Notes

Accepted without objection

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

The same remedy has also been applied for consistency to sections 14.2.2.2.2, 14.2.2.2.3, 14.2.2.3.1.1, 14.2.2.3.1.2. As a consequence, the column Operation_Type in the related tables which included "Action" throughout, has been removed, also in alignment with the other subsections in section 14.

Comment by: Joey Chou   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 179   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 76   **Line** 23   **Fig/Table#**   **Subclause** 14.2.4.2.4

The paragraph and table under 14.2.4.2.4. are already covered in the Function description. They are redundant.

Suggested Remedy

Delete the paragraph and the table below the paragraph

This primitive is used by NCMS to trigger a paging announce notification. The Event_Type included in this primitive defines the type of event. The possible Event_Types for this primitive are listed in Table below:

GroupResolution   **Decision of Group:**   **Principle**

Modify the paragraph as:

[BEGIN DELETE]~~This primitive is used by NCMS to trigger a paging announce notification. The Event_Type included in this primitive defines the type of event.~~[END DELETE] The possible Event_Types for this primitive are listed in Table below:

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

| **Comment by:** | JeeHyeon Na | | **Membership Status:** | Other | | **Date:** | 2007/03/09 |

Comment # 180   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 77   **Line** 39   **Fig/Table#**   **Subclause** 14.2.4.3

Amendment to Location update service primitives for an NCMS on a MS side.

Suggested Remedy

Discuss and adopt contribution C80216g-07/038

GroupResolution   **Decision of Group:** **Principle**

Accept C802.16g-07/038r2

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

The remedy to sections 14.2.4.3.1 and 14.2.4.3.2, first paragraphs each, is modified by comments#182 and #184.

Comment by:	Jaesun Cha	**Membership Status:**	Member	**Date:** 2007/03/08

Comment # 181   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 78   **Line** 38   **Fig/Table#**   **Subclause** 14.2.4.3.1

The type of location update procedure to be performed is differentiated by the value of Action_Type, not Operation_Type.

Suggested Remedy

[Modify the first paragraph of 14.2.4.3.1 on page 78 as follows]
This primitive is used by an 802.16 entity or NCMS to trigger a location update procedure. The Action__Type~~Operation_Type~~ included in this primitive defines the type of location update procedure to be performed. The possible Action__Types~~Operation_Types~~ for this primitive are listed in Table below.

[Modify the first paragraph of 14.2.4.3.2 on page 79 as follows]
This primitive is used by NCMS to respond to a location update procedure. The Action__Type~~Operation_Type~~ included in this primitive defines the type of location update procedure to be performed. The possible Action__Types~~Operation_Types~~ for this primitive are listed in Table below.

[Modify the first paragraph of 14.2.4.3.3 on page 81 as follows]
This primitive is used by BS to notify a location update procedure has been completed. The Event_Type included in this primitive defines the type of location update procedure to be performed. The possible Event_Types~~Operation_Types~~ for this primitive are listed in Table below.

GroupResolution   **Decision of Group:** **Agree**

[Modify the first paragraph of 14.2.4.3.1 on page 78 as follows]
This primitive is used by an 802.16 entity or NCMS to trigger a location update procedure. The [BEGIN INSERT]Action Type[END INSERT][BEGIN DELETE]~~Operation_Type~~[END DELETE] included in this primitive defines the type of location update procedure to be performed. The possible [BEGIN INSERT]Action Type[END INSERT][BEGIN DELETE]~~Operation_Type~~[END DELETE] for this primitive are listed in Table below.

[Modify the first paragraph of 14.2.4.3.2 on page 79 as follows]
This primitive is used by NCMS to respond to a location update procedure. The [BEGIN INSERT]Action Type[END INSERT][BEGIN DELETE]~~Operation_Type~~[END DELETE] included in this primitive defines the type of location update procedure to be performed. The possible [BEGIN INSERT]Action Type[END INSERT][BEGIN DELETE]~~Operation_Type~~[END DELETE] for this primitive are listed in Table below.

[Modify the first paragraph of 14.2.4.3.3 on page 81 as follows]
This primitive is used by BS to notify a location update procedure has been completed. The Event_Type included in this primitive defines the type of location update procedure to be performed. The possible [BEGIN INSERT]Event Type[END INSERT][BEGIN

DELETE]~~Operation_Type~~[END DELETE] for this primitive are listed in Table below.

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

Parts 1 and 2 of the remedy were superseded by cmt#180 (contribution C802.16g-07/038r2). The change to 14.2.4.3.3 was implemented.

| **Comment by:** | Joey Chou | **Membership Status:** | Member | **Date:** 2007/03/09 |

Comment # 182   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 78   **Line** 38   **Fig/Table#**   **Subclause** 14.2.4.3.1

The paragraph and table under 14.2.4.3.1. are already covered in the Function description. They are redundant.

Suggested Remedy

Delete the paragraph and the table below the paragraph

This primitive is used by an 802.16 entity to trigger a location update procedure. The Operation_Type included in this primitive defines the type of location update procedure to be performed. The possible Operation_Types for this primitive are listed in Table below:

GroupResolution   **Decision of Group:**   **Principle**

Modify the paragraph as:

[BEGIN DELETE]~~This primitive is used by an 802.16 entity to trigger a location update procedure. The Operation_Type included in this primitive defines the type of location update procedure to be performed.~~[END DELETE] The possible [BEGIN DELETE]~~Operation_Types~~[END DELETE][BEGIN INSERT]Action_Types[END INSERT] for this primitive are listed in Table below:

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

The remedy in this comment partially supersedes the remedy to the first paragraph of 14.2.4.3.1 as shown in comment#180 (contribution C802.16g-07/038r2).

Comment by:	Joey Chou	**Membership Status:** Member	**Date:** 2007/03/09

Comment # 183   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 79   **Line** 52   **Fig/Table#**   **Subclause** 14.2.4.3.1

The When generated and Effect of receipt: subclauses as shown below are misleading.
When generated:
This primitive is generated to request a BS to issue a DREG-CMD message.
Effect of receipt:
A BS receiving C-PG-RSP(Idle_Mode_Initiation) shall transmit DREG-CMD message with setting each field in accordance with the information elements in this primitive.

Suggested Remedy

Change

Effect of receipt:
This primitive shall be generated on BS side and a management entity of Mobility Management Services shall respond to this primitive by sending Location Update response.

to
Effect of receipt:
Upon receiving this primitive, a management entity of Mobility Management Services in NCMS shall respond with a Location Update response.

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution

see resolution of comment 180

Group's Notes

Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

Superseded by cmt#180 and #182.

| **Comment by:** | Joey Chou | **Membership Status:** | Member | **Date:** | 2007/03/09 |

Comment # 184   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 79   **Line** 58   **Fig/Table#**   **Subclause** 14.2.4.3.2

The paragraph and table under 14.2.4.3.2. are already covered in the Function description. They are redundant.

Suggested Remedy

Delete the paragraph and the table below the paragraph

This primitive is used by NCMS to respond to a location update procedure. The Operation_Type included in this primitive defines the type of location update procedure to be performed. The possible Operation_Typesfor this primitive are listed in Table below:

GroupResolution   **Decision of Group:**   **Principle**

Modify the paragraph as:

[BEGIN DELETE]~~This primitive is used by NCMS to respond to a location update procedure. The Operation_Type included in this primitive defines the type of location update procedure to be performed.~~[END DELETE] The possible [BEGIN DELETE]~~Operation_Types~~[END DELETE][BEGIN INSERT]Action_Types[END INSERT] for this primitive are listed in Table below:

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

The remedy in this comment partially supersedes the remedy to the first paragraph of 14.2.4.3.2 as shown in comment#180 (contribution C802.16g-07/038r2).

Comment by:	Joey Chou	**Membership Status:**	Member	**Date:** 2007/03/09

Comment # 185   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 79   **Line** 58   **Fig/Table#**   **Subclause** 14.2.4.3.3

The paragraph and table under 14.2.4.3.3. are redundant.

Suggested Remedy

Change

This primitive is used by BS to notify a location update procedure has been completed. The Event_Type included in this primitive defines the type of location update procedure to be performed. The possible Operation_Types for this primitive are listed in Table below:

Function:
This primitive is issued by the BS to the NCMS.

to
Function:
This primitive is used by BS to notify that the location update procedure has been completed.

GroupResolution   **Decision of Group:**   **Principle**

On page 81, line 30, Change:

[BEGIN DELETE]~~This primitive is used by BS to notify a location update procedure has been completed. The Event_Type included in this primitive defines the type of location update procedure to be performed.~~[END DELETE] The possible [BEGIN DELETE]~~Operation~~[END DELETE][BEGIN INSERT]Event[END INSERT]_Types for this primitive are listed in Table below:

On page 81, line 46, change:

Function:
This primitive is issued by the BS to the NCMS.

to
Function:
This primitive is used by BS to notify that the location update procedure has been completed.

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Along the same lines, a sentence in section 14.2.11.3 has been removed since obsolete and incorrect. See comment#15 (record#135).

2007/07/10   **IEEE 802.16-07/018r5**

Comment by: Jaesun   Cha   **Membership Status:**   Member   **Date:** 2007/03/08

Comment # 186   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 89   **Line** 2   **Fig/Table#**   **Subclause** 14.2.5.2.1.1

The term 'MDHO' is used instead of the term 'SHO' in IEEE Std. 802.16e-2005.

Suggested Remedy

Replace 'SHO' with 'MDHO' throughout the standard.

GroupResolution   **Decision of Group:**   **Agree**

Replace 'SHO' with 'MDHO' throughout the standard.

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

At the same time, the few occurrences of HHO were changed to HO for consistency; the acronym HHO is not defined anywhere although it is (exceptionally) used at two instances in 802.16e.

Comment by: Jaesun Cha   **Membership Status:**   Member   **Date:** 2007/03/08

Comment # 187   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 91   **Line** 34   **Fig/Table#**   **Subclause** 14.2.5.2.1.3

If C-HO-REQ(HO-Scan) is generated by NCMS (BS) to transmit an unsolicited MOB_SCN-RSP with Scanning Type is 0b010 or 0b011 (Association level 1 or 2), then dedicated ranging information shall be included in the C-HO-REQ(HO-Scan) primitive.

Suggested Remedy

List of Scanning Type
  List of scanning type, 0b001, 0b010, or 0b011 corresponds to association type Level 0, 1, or 2, respectively.
  One scanning type for each neighboring BS.

List of Association Ranging Assignment
  Rendezvous Time,
  Dedication Codes,
  Transmission Opportunity Offset

GroupResolution   **Decision of Group:** **Disagree**

Reason for Group's Decision/Resolution

Commenter suggests to reject this comment. Those information is only controlled by the BS.

Group's Notes

Vote:
In Favor: 0 Against: 6 Abstain: 0
Comment Rejected

Editor's Notes   **Editor's Actions**   b) none needed

| Comment by: | Jaesun Cha | Membership Status: | Member | Date: | 2007/03/08 |

| Comment # 188 | Document under Review: P802.16g/D8 | Ballot ID: 16gD8 |

Comment　　**Type** Editorial　　**Part of Dis** ☐　**Satisfied** ☐　**Page** 91　**Line** 51　**Fig/Table#**　**Subclause** 14.2.5.2.1.3

The description is about the operation of 802.16 MS entity which is described in the next bullet.

Suggested Remedy

[Modify the text on page 91, line 58 as follows]

•NCMS(BS) to 802.16 BS Entity:

When the primitive is received by a 802.16 BS entity, the 802.16 BS entity shall transmit MOB_SCN-RSP to the MS to trigger the scanning procedure at the MS and generates C-HO-RSP(HO-Scan) to respond to NCMS(BS). ~~When the primitive is received by the 802.16 MS entity, the 802.16 MS entity shall transmit MOB_SCN-REQ to the BS.~~

GroupResolution　　　　　　　　**Decision of Group:**　**Agree**

[Modify the text on page 91, line 58 as follows]

•NCMS(BS) to 802.16 BS Entity:

When the primitive is received by a 802.16 BS entity, the 802.16 BS entity shall transmit MOB_SCN-RSP to the MS to trigger the scanning procedure at the MS and generates C-HO-RSP(HO-Scan) to respond to NCMS(BS). [BEGIN DELETE]~~When the primitive is received by the 802.16 MS entity, the 802.16 MS entity shall transmit MOB_SCN-REQ to the BS.~~[END DELETE]

Reason for Group's Decision/Resolution

Group's Notes

Motion:

To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.

Moved by: Joey Chou

Seconded: Peretz Feder

In favor: 7 Against: 0 Abstain: 1

Motion Approved

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

Comment by: Jaesun Cha	**Membership Status:** Member	**Date:** 2007/03/08

Comment # 189   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 93   **Line** 56   **Fig/Table#**   **Subclause** 14.2.5.2.2.1

Editorial change

Suggested Remedy

This primitive is generated by Mobility Management Services entity in NCMS or the serving 802.16 BS entity with the list of recommended target BSs. This primitive is sent in reply to the C-HO-REQ~~RSP~~(HO-Serving)
primitive.

GroupResolution   **Decision of Group:** Agree

This primitive is generated by Mobility Management Services entity in NCMS or the serving 802.16 BS entity with the list of recommended target BSs. This primitive is sent in reply to the C-HO-[BEGIN INSERT]REQ[END INSERT][BEGIN DELETE]~~RSP~~[END DELETE](HO-Serving)
primitive.

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

Comment by:	Jaesun Cha	**Membership Status:** Member		**Date:** 2007/03/08

Comment # 190　　　　　　　　**Document under Review:** **P802.16g/D8**　　　　　**Ballot ID:** **16gD8**

Comment　　**Type** Editorial　　**Part of Dis** ☐　**Satisfied** ☐　　**Page** 97　　**Line** 19　　　**Fig/Table#**　　　**Subclause** 14.2.5.2.2.3

Editorial change

Suggested Remedy

•802.16 BS entity to NCMS:

　　The Mobility Management Services entity in NCMS may decide the specific MS and its potential target BS for
　　BS-initiated HO based on the reported signal quality in the C-HO-RSP(HO-Scan) primitive.

GroupResolution　　　　　　　　**Decision of Group:** **Agree**

•802.16 BS entity to NCMS:

　　The Mobility Management Services entity in NCMS may decide the specific MS and its potential target BS for
　　BS-initiated HO based on the reported signal quality in the C-HO-RSP(HO-Scan) primitive.

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193,
209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

Comment by: Joey Chou   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 191   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 98   **Line** 19   **Fig/Table#**   **Subclause** 14.2.5.2.2

•802.16 MS entity to NCMS: and •NCMS at the MS: are not needed

Suggested Remedy

Delete

•802.16 MS entity to NCMS:

•NCMS at the MS:

GroupResolution   **Decision of Group:**   **Agree**

Delete

•802.16 MS entity to NCMS:

•NCMS at the MS:

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193,
209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

Comment by: Jaesun Cha   **Membership Status:** Member   **Date:** 2007/03/08

Comment # 192   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 98 **Line** 20   **Fig/Table#**   **Subclause** 14.2.5.2.2.4

Editorial change

Suggested Remedy

•802.16 MS entity to NCMS:
    This primitive is used by the 802.16 MS entity to inform the Mobility Management Services entity about the
    arrival of a response to the previously generated C-HO_REQ~~Req~~ (HO-Mobile) primitive.

GroupResolution   **Decision of Group:** **Agree**

•802.16 MS entity to NCMS:
    This primitive is used by the 802.16 MS entity to inform the Mobility Management Services entity about the
    arrival of a response to the previously generated C-HO_[BEGIN INSERT]REQ[END INSERT][BEGIN DELETE]~~Req~~[END DELETE]
(HO-Mobile) primitive.

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

Comment by: Jaesun Cha   **Membership Status:**   Member   **Date:** 2007/03/08

Comment # 193   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 98   **Line** 63   **Fig/Table#**   **Subclause** 14.2.5.2.3.1

Editorial change

Suggested Remedy

In case of HO, this primitive is used to indicate the starting of the actual HO. In case of SHO/FBSS, it can be used to update Anchor BS or to add a new Active BS to the current Active set. Both the serving 802.16 BS entity and the Mobility Management Services entity in the NCMS can use this primitive to inform the 802.16 target BS entity or the Mobility Management Services entity in the NCMS of the actual HO starting process. In addition, the Mobility Management Services entity in the NCMS <u>at </u>MS side can use this primitive to inform the 802.16 MS entity about the actual HO starting process.

GroupResolution   **Decision of Group:**   **Agree**

In case of HO, this primitive is used to indicate the starting of the actual HO. In case of SHO/FBSS, it can be used to update Anchor BS or to add a new Active BS to the current Active set. Both the serving 802.16 BS entity and the Mobility Management Services entity in the NCMS can use this primitive to inform the 802.16 target BS entity or the Mobility Management Services entity in the NCMS of the actual HO starting process. In addition, the Mobility Management Services entity in the NCMS [BEGIN INSERT]at[END INSERT] MS side can use this primitive to inform the 802.16 MS entity about the actual HO starting process.

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

Comment by: Joey Chou   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 194   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 99   **Line** 16   **Fig/Table#**   **Subclause** 14.2.5.2.3.1

This primitive is sent from NCMS to BS or BS to NCMS

Suggested Remedy

Change

Destination: NCMS, BS, MS,

to
Destination: BS, NCMS

GroupResolution   **Decision of Group:**   **Principle**

On page 99, line 47, Add two new bullets as follow:
• 802.16 MS entity to NCMS:
   This primitive is generated after the MS sends MOB_HO-IND message to start the actual HO.
• NCMS to 802.16 MS entity:
   This primitive is generated by NCMS to request the MS to start the HO by sending MOB_HO-IND meesage
   to the serving BS

On page 99, line 56, Add two new bullets as follow:
• 802.16 MS entity to NCMS:
   The NCMS prepares the network re-entry with the target BS.
• NCMS to 802.16 MS entity:
   The MS transmits MOB_HO-IND message to the serving BS to start the HO.

On page 100, line 38, Add two new bullets as follow:
• 802.16 MS entity to NCMS:
   This primitive is generated after the MS sends MOB_HO-IND message to cancel the actual HO.
• NCMS to 802.16 MS entity:
   This primitive is generated by NCMS to request the MS to cancel the HO by sending MOB_HO-IND
   meesage to the serving BS

On page 100, line 48, Add two new bullets as follow:
• 802.16 MS entity to NCMS:

The NCMS completes HO cancellation procedure.
- NCMS to 802.16 MS entity:
  The MS transmits MOB_HO-IND meessage to the serving BS to cancel the HO.

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Comment by: Joey Chou   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 195   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 100   **Line** 13   **Fig/Table#**   **Subclause** 14.2.5.2.3.2
This primitive is sent from NCMS to BS or BS to NCMS

Suggested Remedy
Change

Destination: NCMS, BS, MS,

to
Destination: BS, NCMS

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution
see resolution of comment 194

Group's Notes
Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

Included in cmt#194.

| Comment by: | Jaesun Cha | Membership Status: | Member | Date: | 2007/03/08 |

| Comment # | 196 | | Document under Review: | P802.16g/D8 | | Ballot ID: | 16gD8 |

| Comment | **Type** Technical | **Part of Dis** ☐ | **Satisfied** ☐ | **Page** 101 | **Line** 22 | **Fig/Table#** | **Subclause** 14.2.5.2.3.3 |

C-HO-IND (HO-Scan) is generated when the BS receives MOB_SCN-REP message from the MS.
Therefore, 'RF signal information' included in C-HO-IND (HO-Scan) primitive shall be identical with the signal information reported by the MOB_SCN-REP message.

Suggested Remedy

RF Signal Information
~~TBD.~~
   downlink signal information measured by the MS; BS CINR mean, BS RSSI mean, Relative delay, BS RTD, etc.

GroupResolution   **Decision of Group:**   **Principle**

   Replace "TBD" as follows:

   [BEGIN INSERT]downlink signal information measured by the MS; DL CINR mean, DL RSSI mean, Relative delay, BS RTD, etc.[END INSERT]

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Changed d to upper case D at the beginning of the phrase.

Comment by: Joey Chou   **Membership Status:** Member   **Date:** 2007/03/09

Comment # 197   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 101   **Line** 23   **Fig/Table#**   **Subclause** 14.2.5.2.3.3

RF Signal Information TBD

Suggested Remedy

Define TBD, if not delete RF Signal Information

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution

See resolution of Comment 196.

Group's Notes

Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

Duplicate of cmt#107.

Comment by:	Joey Chou	**Membership Status:**	Member	**Date:** 2007/03/09

Comment # 198   **Document under Review: P802.16g/D8**   **Ballot ID: 16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 106   **Line** 15   **Fig/Table#**   **Subclause** 14.2.6.1.1.1

Operation type does not need to be included in the title, since action type is valid, only when the operation type = action

Suggested Remedy

Delete "Operation_Type = Action," from the following subclauses
"

14.2.6.1.1.1 C-RRM-REQ (Operation_Type = Action, Action_Type = Spare Capacity Report)
14.2.6.1.1.2 C-RRM-REQ (Operation_Type = Action, Action_Type = PHY report)
14.2.6.1.2.1 C-RRM-RSP(Operation_Type = Action, Action_Type = Spare Capacity Report)
14.2.6.1.2.2 C-RRM-RSP(Operation_Type = Action, Action_Type = PHY Report)

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution

see resolution of comment 3

Group's Notes

Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

Included in cmt#003 (record 109, contribution C802.16g-07/045r2)

Comment by: Joey Chou   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 199   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 106   **Line** 59   **Fig/Table#**   **Subclause** 14.2.6.1.1.1

When generated and Effect of receipt: are missing from the following subclauses.

14.2.6.1.1.1
14.2.6.1.1.2
14.2.6.1.2.1
14.2.6.1.2.2
14.2.6.1.3.1
14.2.6.1.3.2

Suggested Remedy

Describe When generated and Effect of receipt: in the following subclauses.

14.2.6.1.1.1
14.2.6.1.1.2
14.2.6.1.2.1
14.2.6.1.2.2
14.2.6.1.3.1
14.2.6.1.3.2

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution

see resolution of comment 3

Group's Notes

Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

Included in cmt#003 (record 109, contribution C802.16g-07/045r2)

| **Comment by:** | JeeHyeon Na | **Membership Status:** | Other | **Date:** 2007/03/09 |

Comment # 200　　　　　　　　**Document under Review:** **P802.16g/D8**　　　　　**Ballot ID:** **16gD8**

Comment　　**Type** Technical　　**Part of Dis** ☐ **Satisfied** ☐　　**Page** 115　　**Line** 1　　**Fig/Table#**　　**Subclause** 14.2.7.1.1

Editorial Change

Suggested Remedy

Change "Action type" to "Action_Type"

GroupResolution　　　　　　　　**Decision of Group:**　**Principle**

Change "Action type" to "Action_Type" on Page 117 Line 1.

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

| **Comment by:** | Jaesun Cha | **Membership Status:** | Member | **Date:** | 2007/03/08 |

Comment # 201   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 116   **Line** 6   **Fig/Table#** 504   **Subclause** 14.2.7

Wrong message name.

Suggested Remedy

In Figure 504, change 'DREG-REG' to 'DREG-CMD'
In Figure 504, change 'DREG-CMD' to 'DREG-REQ'

GroupResolution   **Decision of Group:**   **Principle**

Modify Figure 504 as follows:

In Figure 504, change 'DREG-REG' to 'DREG-CMD'
In Figure 504, change 'DREG-CMD' to 'DREG-REQ'

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

| **Comment by:** | | Jaesun   Cha | | **Membership Status:** | Member | | **Date:** | 2007/03/08 |

Comment # **202**   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 117   **Line** 46   **Fig/Table#**   **Subclause** 14.2.7.1.1.1

C-NEM-REQ (Ranging) triggers the transmission of CDMA code as well as RNG-REQ message.

Suggested Remedy

Effect of receipt:

    MAC layer shall generate <u>CDMA code or </u>RNG-REQ MAC management message including corresponding

    TLVs depending on the Ranging type and RNG-REQ message shall be sent to the BS over the air interface.

GroupResolution   **Decision of Group:**   **Principle**

Modify the text as follows:

Effect of receipt:

    MAC layer shall generate [BEGIN INSERT]<u>CDMA code or [END INSERT]</u>RNG-REQ MAC management message including corresponding

    TLVs depending on the Ranging type and RNG-REQ message shall be sent to the BS over the air interface.

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Comment by:	Joey Chou	Membership Status:	Member	Date: 2007/03/09

Comment # 203   Document under Review: **P802.16g/D8**   Ballot ID: **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 118   **Line** 1   **Fig/Table#**   **Subclause** 14.2.7.1.1.2

This primitive is not sent to the MAC layer through NCMS.

Suggested Remedy

Change:
This primitive requests ranging. Upper layer management entities shall request ranging by sending this primitive to the MAC layer through NCMS.
to
This primitive requests ranging. Upper layer management entities in NCMS shall request ranging by sending this primitive to the MS MAC layer.

GroupResolution   **Decision of Group:**   **Principle**

Modify the text on Page 117 Line 8 as follows:

[BEGIN DELETE]~~This primitive requests ranging. Upper layer management entities shall request ranging by sending this primitive to the MAC layer through NCMS.~~[END DELETE][BEGIN INSERT]<u>This primitive requests ranging. Upper layer management entities in NCMS shall request ranging by sending this primitive to the MS.</u>[END INSERT]

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Comment by:	Joey Chou	**Membership Status:** Member	**Date:** 2007/03/09

Comment # 204   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 118   **Line** 1   **Fig/Table#**   **Subclause** 14.2.7.1.1.2

This primitive is sent from BS to NCMS

Suggested Remedy

Change:
Destination: MS,
to
Destination: NCMS

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

Modify the text as follows:

Destination: [BEGIN DELETE]~~MS,~~[END DELETE][BEGIN INSERT]NCMS[END INSERT]

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Comment by: Joey Chou   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 205   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 119   **Line** 22   **Fig/Table#**   **Subclause** 14.2.7.1.2

This primitive is sent in NCMS-->MS and BS-->NCMS

Suggested Remedy

Change:
When generated:
This primitive is generated by NCMS at MS after receiving ranging response message. This primitive
is also generated by BS when the BS receives SBC-REQ message over the air interface.
Effect of receipt:
The 802.16 entity (MS) generates SBC-REQ MAC message when it receives C-NEM-REQ (SS Basic Capability). The NCMS at BS
processes the information from this primitive and shall generate C-NEM-RSP(SS Basic Capability).
to
NCMS-->MS
This primitive is generated by NCMS at MS after receiving ranging response message.
BS-->NCMS
This primitive is also generated by BS when the BS receives SBC-REQ message over the air interface.
Effect of receipt:
NCMS-->MS
The 802.16 entity (MS) generates SBC-REQ MAC message when it receives C-NEM-REQ (SS Basic Capability).
BS-->NCMS
The NCMS at BS processes the information from this primitive and shall generate C-NEM-RSP(SS Basic Capability).

GroupResolution   **Decision of Group:**   **Principle**

Modify the text as follows:

[BEGIN DELETE]When generated:
This primitive is generated by NCMS at MS after receiving ranging response message. This primitive
is also generated by BS when the BS receives SBC-REQ message over the air interface.
Effect of receipt:
The 802.16 entity (MS) generates SBC-REQ MAC message when it receives C-NEM-REQ (SS Basic Capability). The NCMS at BS
processes the information from this primitive and shall generate C-NEM-RSP(SS Basic Capability).[END DELETE]
[BEGIN INSERT]NCMS-->MS

This primitive is generated by NCMS at MS after receiving ranging response message.
BS-->NCMS
This primitive is also generated by BS when the BS receives SBC-REQ message over the air interface.
Effect of receipt:
NCMS-->MS
The 802.16 entity (MS) generates SBC-REQ MAC message when it receives C-NEM-REQ (SS Basic Capability).
BS-->NCMS
The NCMS at BS processes the information from this primitive and shall generate C-NEM-RSP(SS Basic Capability).[END INSERT]

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Comment by: Joey Chou   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 206   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 120   **Line** 42   **Fig/Table#**   **Subclause** 14.2.7.1.3.2

Is this primitive about REG or RNG? When generated and Effect of receipt: indicate that this primitive is about ranging, but the action type is about registration

Suggested Remedy

Clarify whether it is about REG or RNG

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution

See resolution on Comment 207.

Group's Notes

Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

No remedy given – probably solved by cmt#119.

| **Comment by:** | Jaesun Cha | **Membership Status:** | Member | **Date:** | 2007/03/08 |

Comment # 207   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 121   **Line** 37   **Fig/Table#**   **Subclause** 14.2.7.1.3.2

At BS side, C-NEM_REQ(Registration) is generated when the BS receives REG-REQ message from the MS.
And, NCMS shall responds to the C-NEM-REQ(Registration) with C-NEM-RSP(Registration).

Suggested Remedy

When generated:
    This primitive is generated when ~~MAC layer~~802.16 entity (BS) receives ~~RNG-RSP~~REG-REQ message.
Effect of receipt:
    ~~The upper layer entity receives the result of ranging~~The NCMS shall respond to this primitive with C-NEM-RSP (Registration) primitive.

GroupResolution   **Decision of Group:** **Principle**

Modify the text as follows:

When generated:
    This primitive is generated when [BEGIN DELETE]~~MAC layer~~[END DELETE][BEGIN INSERT]802.16 entity (BS)[END INSERT] receives [BEGIN DELETE]~~RNG-RSP~~[END DELETE][BEGIN INSERT]REG-REQ[END INSERT] message.
Effect of receipt:
    [BEGIN DELETE]~~The upper layer entity receives the result of ranging~~[END DELETE][BEGIN INSERT]The NCMS shall respond to this primitive with C-NEM-RSP (Registration) primitive.[END INSERT]

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Comment by: Joey   Chou   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 208   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 122   **Line** 1   **Fig/Table#**   **Subclause** 14.2.7.1.4

This primitive is used in NCMS --> MS and NCMS -->BS

Suggested Remedy

Change
Destination: MS, BS or NCMS,
to
Destination: MS, BS,

GroupResolution   **Decision of Group:**   **Disagree**

Reason for Group's Decision/Resolution

The original text is correct.

Group's Notes

Vote:
In Favor: 0 Against: 7 Abstain: 0
Comment Rejected

Editor's Notes   **Editor's Actions**   b) none needed

| Comment by: | JeeHyeon Na | | **Membership Status:** Other | | **Date:** 2007/03/09 |

Comment # 209   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 122   **Line** 24   **Fig/Table#**   **Subclause** 14.2.7.1.4

Editorial Change

Suggested Remedy

Change "MSS" to " MS"

GroupResolution   **Decision of Group:**   **Agree**

Change "MSS" to " MS"

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

In addition, based on review comments by the contributor on April 9:
1) Action Types table in 14.2.7.3 updated to include the missing "SS Basic Capabilities"
2) "MS" changed to "SS" in section 14.2.7, except figure 502 and section 14.2.7.3.
3) section 14.2.7.2.2: "When generated" and "Effect of receipt" reworded.
4) In section 14.1.2.1, the table with the "Action Types": "Capabilities" changed to "SS Basic Capabilities"; "HO-Mobile" added which was missing.

Comment by:	JeeHyeon Na	**Membership Status:**	Other	**Date:** 2007/03/09

Comment # 210   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Editorial   **Part of Dis** ☐   **Satisfied** ☐   **Page** 122   **Line** 59   **Fig/Table#**   **Subclause** 14.2.7.2.2

Editorial Change

Suggested Remedy

Change "Action" to "Action_Type" in the title of 14.2.7.2.2 and 14.2.7.2.4

GroupResolution   **Decision of Group:** **Agree**

Change "Action" to "Action_Type" in the title of 14.2.7.2.2 and 14.2.7.2.4

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

Editor's Notes   **Editor's Actions**   b) none needed

Already done by some other comment.

Comment by: Jaesun Cha   **Membership Status:**   Member   **Date:** 2007/03/08

Comment # 211   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 124   **Line** 49   **Fig/Table#**   **Subclause** 14.2.7.2.1.2

Editorial change.

Differently from the definition of other primitives, 'Effect of receipt' part comes before 'When generated' part.

Suggested Remedy

~~Effect of receipt:~~
   ~~The upper layer entity receives the result of ranging.~~
When generated:
   This primitive is generated when MAC layer receives RNG-RSP message.
Effect of receipt:
   The upper layer entity receives the result of ranging.

GroupResolution   **Decision of Group:**   **Agree**

[BEGIN DELTE]~~Effect of receipt:~~
   ~~The upper layer entity receives the result of ranging.~~[END DELETE]
When generated:
   This primitive is generated when MAC layer receives RNG-RSP message.
[BEGIN INSERT]Effect of receipt:
   The upper layer entity receives the result of ranging.[END INSERT]

Reason for Group's Decision/Resolution

Group's Notes
Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

Comment by: Joey Chou   **Membership Status:** Member   **Date:** 2007/03/09

Comment # 212   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 124   **Line** 54   **Fig/Table#**   **Subclause** 14.2.7.2.1.2

The order of When generated and Effect of receipt is reversed:

Suggested Remedy

Change
Effect of receipt:
The upper layer entity receives the result of ranging.
When generated:
This primitive is generated when MAC layer receives RNG-RSP message.
to
When generated:
This primitive is generated when MAC layer receives RNG-RSP message.
Effect of receipt:
The upper layer entity receives the result of ranging.

GroupResolution   **Decision of Group:**   **Agree**

Change
Effect of receipt:
The upper layer entity receives the result of ranging.
When generated:
This primitive is generated when MAC layer receives RNG-RSP message.
to
When generated:
This primitive is generated when MAC layer receives RNG-RSP message.
Effect of receipt:
The upper layer entity receives the result of ranging.

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193,

209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

Editor's Notes   **Editor's Actions**   b) none needed

Duplication of cmt#211.

2007/07/10   **IEEE 802.16-07/018r5**

Comment by: Joey Chou   **Membership Status:** Member   **Date:** 2007/03/09

Comment # 213   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 124 **Line** 54   **Fig/Table#**   **Subclause** 14.2.7.2.1.2

It is not clear what function description means.

14.2.7.2.4 C-NEM-RSP (Action = Deregistration)
Function:
This primitive is generated by the 802.16 MS entity or NCMS to respond to C-NEM-REQ(Deregistration). It is also generated by the 802.16 BS entity or NCMS to respond to C-NEM-REQ(Deregistrati

Suggested Remedy

Clarify

GroupResolution   **Decision of Group:** **Principle**

Modify the text on Page 128, Line 8 as follows:

Destination: [BEGIN INSERT]MS, [END INSERT]BS or NCMS[BEGIN DELETE];[END DELETE]

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

| **Comment by:** | Jaesun Cha | **Membership Status:** | Member | **Date:** | 2007/03/08 |

Comment # 214   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Editorial   **Part of Dis** ☐   **Satisfied** ☐   **Page** 126   **Line** 43   **Fig/Table#**   **Subclause** 14.2.7.2.3.1

Editorial change

Suggested Remedy

When generated:

    This primitive is generated to notify the result of registration after C-NEM-REQ/(Registration) is received at the BS.

GroupResolution   **Decision of Group:**   **Agree**

When generated:

    This primitive is generated to notify the result of registration after C-NEM-REQ[BEGIN DELETE]/[END DELETE][BEGIN INSERT]([END INSERT]Registration[BEGIN INSERT])[END INSERT] is received at the BS.

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

| **Comment by:** | Jaesun Cha | **Membership Status:** | Member | **Date:** 2007/03/08 |

Comment # 215   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 130   **Line** 40   **Fig/Table#**   **Subclause** 14.2.8

According to the current draft, M-MTM-REQ(Power On) primitive can not work correctly because the destination of this primitive is the terminal which is turned off.
In addition, some indication primitives are used to request an instruction, not to notify an event.

Suggested Remedy

Discuss and adopt contribution C80216g-07/035

GroupResolution   **Decision of Group:** **Principle**

Accept contribution C802.16g-07/035r3

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

1)   The remedy for Figure 505 seems incorrect: The figure shown on top is the already existing one while the striked out figure is not existing in 802.16g/D8. – Editor assumes it must be the other way round: The top figure to be deleted, the lower figure 505 to be inserted. This way has it been implemented here.
2)   Editor flipped figure 505 since this is the SS side and at SS side, NCMS should be to the left.

| **Comment by:** | Joey Chou | **Membership Status:** | Member | **Date:** 2007/03/09 |

Comment # 216   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 143   **Line** 55   **Fig/Table#**   **Subclause** 14.2.9.1.1

Typo busing

Suggested Remedy

Change busing to using

GroupResolution   **Decision of Group:**   **Agree**

Change busing to using

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

Comment by: Joey Chou **Membership Status:** Member **Date:** 2007/03/09

Comment # 217 **Document under Review:** P802.16g/D8 **Ballot ID:** 16gD8

Comment **Type** Technical **Part of Dis** ☐ **Satisfied** ☐ **Page** 150 **Line** 6 **Fig/Table#** **Subclause** 14.2.10.1.1

This primitive is used to discover the MBS capability. It is better to use Operation = GET instead of Action. It is consistent with 14.2.10.2.1 C-MBS-REQ (Set)

Suggested Remedy

Change
14.2.10.1.1 C-MBS-REQ (Capability)
to
14.2.10.1.1 C-MBS-REQ (GET)

Change
 C-MBS-REQ
(
Operation_Type: Action,
Action_Type: Capability,

to

C-MBS-REQ
(
Operation_Type: Get,

GroupResolution **Decision of Group:** **Principle**

Change
14.2.10.1.1 C-MBS-REQ (Capability)
to
14.2.10.1.1 C-MBS-REQ (Get)

Change
 C-MBS-REQ
(
Operation_Type: Action,
Action_Type: Capability,

to

C-MBS-REQ
(
Operation_Type: Get,

In Figure 513, change the references for C-MBS-REQ(Capability) to C-MBS-REQ(Get)

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

| **Comment by:** | Joey Chou | **Membership Status:** Member | **Date:** 2007/03/09 |

Comment # 218   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 150   **Line** 10   **Fig/Table#**   **Subclause** 14.2.10.1.1

When generated and Effect of receipt: are missing in 14.2.10.1.1, 14.2.10.1.2, 14.2.10.2.1 and 14.2.10.2..2

Suggested Remedy

Add When generated and Effect of receipt: in 14.2.10.1.1 and 14.2.10.1.2, 14.2.10.2.1 and 14.2.10.2..2

GroupResolution   **Decision of Group:**   **Principle**

14.2.10.1.1

When generated:
NCMS sends this primitive to a BS to discover its MBS capability.

Effect of receipt:
Upon receiving this primitive, BS shall return the MBS capability in the C-MBS-RSP message.

14.2.10.1.2

When generated:
BS returned this primitive, in response of the C-MBS-RSP message from NCMS.

Effect of receipt:
NCMS gets BS's MBS capability in the C-MBS-RSP message.

14.2.10.2.1

When generated:
NCMS sends this primitive to configure MB's MBS capability.

Effect of receipt:
Upon receiving this primitive, BS shall set its MBS capability according to the attributes included in the primitive.

14.2.10.2..2

When generated:
BS returned this primitive, in response of the C-MBS-RSP message from NCMS.

Effect of receipt:
NCMS gets confirmation that BS's MBS capability has been configured.

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

| **Comment by:** | Joey Chou | **Membership Status:** | Member | **Date:** 2007/03/09 |

Comment # 219　　　　　　　　　　　**Document under Review:** **P802.16g/D8**　　　　　　**Ballot ID:** **16gD8**

Comment　　**Type** Technical　　**Part of Dis** ☐　**Satisfied** ☐　　**Page** 150　　**Line** 10　　　**Fig/Table#**　　　**Subclause** 14.2.10.3.1

When generated and Effect of receipt: are missing in 14.2.10.3.1

Suggested Remedy

Add When generated and Effect of receipt: in 14.2.10.3.1

GroupResolution　　　　　　　**Decision of Group:** **Principle**

14.2.10.3.1

When generated:
NCMS sends this primitive to provide MBS zone layout.

Effect of receipt:
The BS has to generate a MBS portion as part of the 802.16 downlink frame according to information ele-ments received by the C-MBS-IND (Layout) primitive.

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

| **Comment by:** | Joey Chou | **Membership Status:** | Member | **Date:** 2007/03/09 |

Comment # 220   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 150   **Line** 26   **Fig/Table#**   **Subclause** 14.2.10.1.2

This primitive is used to discover the MBS capability. It is better to use Operation = GET instead of Action. It is consistent with 14.2.10.2.1 C-MBS-REQ (Set)

Suggested Remedy

Change
14.2.10.1.2 C-MBS-RSP (Capability)
to
14.2.10.1.2 C-MBS-RSP (GET)

Change
 C-MBS-RSP
(
Operation_Type: Action,
Action_Type: Capability,

to
C-MBS-RSP
(
Operation_Type: Get,

GroupResolution   **Decision of Group:** **Principle**

Change
14.2.10.1.2 C-MBS-RSP (Capability)
to
14.2.10.1.2 C-MBS-RSP (Get)

Change
 C-MBS-RSP
(
Operation_Type: Action,
Action_Type: Capability,

to
C-MBS-RSP
(
Operation_Type: Get,

In Figure 513, change the references for C-MBS-RSP(Capability) to C-MBS-RSP(Get)

Editor to change the Table on page 150, lines 42-49 into text. Remove reference to valid range value '0-255'

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

| **Comment by:** | Erik Colban | **Membership Status:** | Member | **Date:** | 2007/03/09 |

Comment # 221   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 163   **Line** 1   **Fig/Table#**   **Subclause** Annex F

Clarify that Annex F is informative . (Since the annex contains figures only and not supporting text, I assume it is meant to be be informative.)

Suggested Remedy

Add "(informative)" on line 3. See 802.16-2004 for the format.

GroupResolution   **Decision of Group:**   **Principle**

On line 1, change the Annex number to 'Annex I' and renumber the Figures in the Annex

Add "(informative)" on line 3. See 802.16-2004 for the format.

Add an Annex title on line 5, 'Handover, Ranging and MIH Procedures'

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Annex header format adapted, to make it look like those of 802.16-2004. Figures renumbered.

| **Comment by:** | Erik   Colban | **Membership Status:** | Member | **Date:** 2007/03/09 |

| **Comment # 222** | **Document under Review:** **P802.16g/D8** | **Ballot ID:** **16gD8** |

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 163   **Line** 1   **Fig/Table#**   **Subclause** Annex F

Clarify that Annex G is informative.

Suggested Remedy

Add "(informative)" on line 3. See 802.16-2004 for the format.

GroupResolution   **Decision of Group:**   **Principle**

On page 172, line 1, change the Annex name and number from 'Annex G U-TDOA measurement' to 'Annex J' and renumber the Figures in the Annex

Add "(informative)" on line 3.

Add an Annex title on line 5, 'U-TDOA measurement'

On page 173, line 1, change from:
G.1 FRF > 1
to:
J.1 General U-TDOA Method

On page 176, line 32, change from:
G.2 FRF = 1
to:
J.2 Special U-TDOA Method

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Same replacements of "FRF>1" and "FRF=1" by "General U-TDOA Method" and "Special U-TDOA Method" also done in captions of Figures J2, J3, J4, J5.

Comment by: Jaesun Cha   **Membership Status:**   Member   **Date:** 2007/03/08

Comment # 223   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 168   **Line** 1   **Fig/Table#** F8   **Subclause** F.3

The primitive name is wrong.

Suggested Remedy

In Figure F8, change 'C-HO-REQ (HO Start)' which is located on between NCMS(BS) and Target BS
to 'C-HO-IND (HO Start)'.

GroupResolution   **Decision of Group:**   **Principle**

In Figures F7 & F8, for the instance of 'C-HO-REQ (HO Start)' from the NCMS(BS) to the Target BS, change 'C-HO-REQ (HO Start)' to
'C-HO-IND (HO Start)'.

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Comment by:	Jaesun Cha	**Membership Status:**	Member	**Date:** 2007/03/08

Comment # 224   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 169   **Line** 1   **Fig/Table#** F9   **Subclause** F.4

'CDMA ranging' is not a valid value of Action_Type for C-NEM-REQ primitive.

Suggested Remedy

In Figure F9, change 'C-NEM-REQ (CDMA ranging)' and 'C-NEM-RSP (CDMA ranging)
to 'C-NEM-REQ (Ranging)' and 'C-NEM-RSP (Ranging)', respectively.

GroupResolution   **Decision of Group:**   **Agree**

In Figure F9, change 'C-NEM-REQ (CDMA ranging)' and 'C-NEM-RSP (CDMA ranging)
to 'C-NEM-REQ (Ranging)' and 'C-NEM-RSP (Ranging)', respectively.

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Comment by:	Erik Colban	**Membership Status:** Member	**Date:** 2007/03/09

Comment # 225　　　　　　　**Document under Review:** **P802.16g/D8**　　　　　**Ballot ID:** **16gD8**

Comment　　**Type** Technical　　**Part of Dis** ☐　**Satisfied** ☐　　**Page** 171　**Line** 38　　　**Fig/Table#** F12　　**Subclause** F.5

No need to define a new MIH_Polling_IE.

Suggested Remedy

Replace "MIH_Polling_IE with "UL-MAP_IE"

GroupResolution　　　　　　　**Decision of Group:** **Principle**

Replace "MIH_Polling_IE with "UL-MAP_IE"

Change instance of 'PKM-REQ (Code = MIH Comeback Request, Query ID = xxx)' with 'UL Bandwidth Request'

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

In both Figures I11 and I12, missing brackets added to "NCMS(BS)"; MAC(MS) changed to (MS); MAC(BS) changed to (BS), a hyphen added in figure caption (pre-authenticated);
According the agreed message renaming (see 6.3.2.3.9, table 26), the "MIH Initial Resp." is renamed to "MIH Acknowledge" in Figs. I11 and I12.

Comment by: Erik Colban   **Membership Status:** Member   **Date:** 2007/03/09

Comment # 226   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 172   **Line** 4   **Fig/Table#**   **Subclause** Annex G

The algorithm for FRF=1 does not only impy that the serving and non-serving BS use the same frequency, but also that the BSs can allocate the same CDMA code with the same transmission opportunity. This requires very tight coordination between the BSs and aditional constraints on the scheduling. For this reason the algorithm for FRF > 1 could be preferred even when the FRF=1.

Suggested Remedy

Change " FRF (Frequency Reuse Factor) > 1" to "FRF (Frequency Reuse Factor) >= 1"

(Note to the editor: If you can find a pretty symbol for "greater than or equal to", please use it in lieu of ">=".)

GroupResolution   **Decision of Group:** **Principle**

Change the sentence from:
Annex G describes the U-TDOA measurement for networks based on FRF (Frequency Reuse Factor) > 1 (e.g. 1X3X3), and FRF = 1 (e.g. 1X3X1 or 1X1X1). Figure G.1 shows a diagram for U-TDOA measurement.
to:
Annex G describes two methods for U-TDOA measurement: the General U-TDOA Method, for any FRF (Frequency Reuse Factor); and the Special U-TDOA Method, for FRF = 1. Figure G.1 shows a diagram for U-TDOA measurement.

Editor to change all instances of 'non-serving BS' to 'neighbor BS' throughout the document.

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Done - also changing "non-serving BS" to "neighbor BS" in figure J.1 in Annex J. Editor was waiting for an editable version of J.1 from the original contributor (Joey Chou, Intel).

Comment by:	Erik Colban

Membership Status: Member   **Date:** 2007/03/09

Comment # 227   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 172   **Line** 52   **Fig/Table#**   **Subclause** Annex G

This is the 802.16 standard; no need to reference 802.16 as if it were another document.

Suggested Remedy

Replace "as defined by the IEEE 802.16 standard" with "as specified in this standard".

GroupResolution   **Decision of Group:**   **Agree**

Replace "as defined by the IEEE 802.16 standard" with "as specified in this standard".

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

1) In addition, section 14.2.2.1.1.3 has a similar case, it includes: "It should be derived according to subclause 7.2.2.4.1 of the IEEE 802.16e-2005 specification". Editor changed this to "… of this standard".
2)   Similarly (as endorsed by pre-release reviewers), reference to 802.16-2004 or 802.16e removed from: i) section 1.4 (p.2, line 58 of /D8), ii) 14.2.6.1.2.2 (8 occurrences of "measurements [802.16-2004]), iii) 14.2.9 (1 occurrence), iv) 14.2.10 (4 occurrences of "ID of the MBS zone as defined in ...);
3)   In 14.2.9, Editor replaced "service flow messages in IEEE 802.16-2004" by "service flow MAC management messages in this standard"; reason: replacing "802.16-2004" by "this standard" would make "service flow messages" ambiguous since "this standard" includes more than the radio interface; by adding "MAC management" the meaning of "service flow messages" becomes clear again.

Comment by:	Erik Colban	**Membership Status:** Member	**Date:** 2007/03/09

Comment # 228   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 172   **Line** 53   **Fig/Table#**   **Subclause** Annex G

Once this amendment gets merged with the rest of the 802.16 standard what was and what is "designed" in this standard gets mixed up. There are other grammatical errors

Suggested Remedy

Replace sentence starting on line 53 by:

The ranging capability is primarily designed to allow an MS to synchronize with a BS in terms of time and frequency and may not provide sufficient accuracy for LBS applications such as E911 Phase II.

GroupResolution   **Decision of Group:**   **Agree**

Replace sentence starting on line 53 by:

The ranging capability is primarily designed to allow an MS to synchronize with a BS in terms of time and frequency and may not provide sufficient accuracy for LBS applications such as E911 Phase II.

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

Comment by:	Erik Colban	**Membership Status:** Member	**Date:** 2007/03/09

Comment # 229   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 173   **Line** 4   **Fig/Table#**   **Subclause** G.1

Timing advance (TA) is not a term of art in 802.16; it has not been defined and is only used in one section in 802.16-2004+e+Cor1. Without a definition, the reader needs to resort to a "natural" understanding of the term or to definitions provided elsewhere. For instance:

"In the GSM cellular mobile phone standard, timing advance value corresponds to the length of time a signal from the mobile phone takes to reach the base station.", from http://en.wikipedia.org/wiki/Timing_advance

With this definition ,TA is the same as propagation delay. With respect to Figure G2, TA is t1+t2 for Serving BS and t1+t3 for Non-serving BS.

TA could alternatively be understood as an adjustment at the MS of the transmission time of a signal so that the signal arrives at a specific time at the BS. If this adjustment is perfect, the TA equals the propagation delay. If not, there is an additional adjustment at the BS. With respect to Figure G2, TA is t1, and the additional adjustment at the BS (Timing Offset) is t2 at Serving BS and t3 at Non-Serving BS. Again, t1+t2 (t1 +t3) is the propagation delay. However, there is not consistency between text and figure, refer to lines 52-53:

"The sum of timing adjustment and timing advance equals to <u>two times</u> of MS to BS propagation delay." [my underlining]

A "philosophical debate" on the meaning of timing advance can be avaoided by avoiding the term and shortening the text.

Furthermore, note that t1 cansels out in the equation for the time difference of arrival only if the MS does <u>not adjust the TA</u> (and its clock does not drift significantly between ranging with the different BSs, and the clocks at the BSs are synchronized).

Suggested Remedy

Modify paragraph on lines 3 - 8 as follows:

[BEGIN INSERT]When the position of an MS is determined using U-TDOA, the MS ranges with the serving BS and 2 or more neighboring BSs.[END INSERT] Figure G2 shows [BEGIN DELET]the[END DELETE][BEGIN INSERT]an example of a[END INSERT] timing diagram of U-TDOA measurement. [BEGIN DELETE]t1 is the Timing Advance. t2 and t3 are the intervals between the time of burst arrival and the beginning of granted slot for Serving BS and Non-serving BS 1 respectively. t2 and t3 are also the Timing Adjustments that BS will ask MS to adjust the timing advance when transmitting the next UL burst. {END DELETE]

Replace page 173, line49- 53, by:

In this example, the propagation delay at Serving BS is t1+t2 and the propagation delay at Non-serving BS is t1+t3. It is assumed that the MS does not make any timing adjustments between ranging with the BSs. If any of the BSs requests the MS to adjust its timing, such adjustment needs to be taken into account in the calculation of the time difference of arrival. Serving BS and Non-serving BS measure t2 and t3 respectively, and Non-Serving BS reports t3 to Serving BS. Serving BS calculates the difference in propagation delay (= t2 - t3) and, by multiplying this difference by the speed of light, the difference the MS's distance to Serving BS and Non-Serving BS.

Delete p 174, lines 1-21.

Alternatively, since the U-TDOA calculations and the backhaul network synchronization is out of the scope of this standard, delete from page 173, line 4 to page 174, line 21.

GroupResolution   **Decision of Group:**   **Principle**

[BEGIN INSERT]When the position of an MS is determined using U-TDOA, the MS ranges with the serving BS and 2 or more neighboring BSs.[END INSERT] Figure G2 shows [BEGIN DELETE]the[END DELETE][BEGIN INSERT]an example of a[END INSERT] timing diagram of U-TDOA measurement. [BEGIN INSERT]This example is based on the following assumptions:

1)   The MS aligns the frame start to the received DL from the serving BS before ranging with the serving BS.
2)   The MS aligns the frame start to the received DL from the neighbor BS before ranging with the neighbor BS.
3)   The MS does not make any timing adjustments relatively to the aligned frame start between ranging with the two BS.[END INSERT]

[BEGIN DELETE]t1 is the Timing Advance. t2 and t3 are the intervals between the time of burst arrival and the beginning of granted slot for Serving BS and Non-serving BS 1 respectively. t2 and t3 are also the Timing Adjustments that BS will ask MS to adjust the timing advance when transmitting the next UL burst. [END DELETE]

Replace page 173, lines 49- 53, by:

The MS ranges sequentially with the serving BS and neighbor BS. The serving BS and the neighbor BS measure the timing offset t2 and t3 respectively, and the neighbor BS reports t3 to the serving BS. The serving BS calculates the difference in propagation delay = (t2 - t3)/2 and, by multiplying this difference by the speed of light, the difference of the MS's distance to the serving BS and neighbor BS.

Delete p 174, lines 1-21.

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Incorporation complete, including deletion of p.174 lines 1-21 (after a reminder from pre-release review).

Comment by: Erik Colban   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 230   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 174   **Line** 23   **Fig/Table#**   **Subclause** G

Figure G3 shows a call flow and not an algorithm.
Furthermore, it is not necessary to assume that the serving and non-serving BS are operating on different frequencies.

Suggested Remedy

Replace page 174, line 23 - 30 with:

The call flow in Figure G3 shows the messaging between an MS, its serving BS and a non-serving BS in support of U-TDOA . The call flow can be extended to support additional non-serving BSs. Here are the assumptions for the call flow:

•Serving BS and non-serving BS are operating with the same frame sizes.
•The frames at the serving BS and non-serving BS are synchronized
•MS can communicates with the serving BS and non-serving BS

GroupResolution   **Decision of Group:**   **Agree**

Replace page 174, line 23 - 30 with:

The call flow in Figure G3 shows the messaging between an MS, its serving BS and a non-serving BS in support of U-TDOA . The call flow can be extended to support additional non-serving BSs. Here are the assumptions for the call flow:

•Serving BS and non-serving BS are operating with the same frame sizes.
•The frames at the serving BS and non-serving BS are synchronized
•MS can communicates with the serving BS and non-serving BS

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Last bullet of the remedy changed to "MS can communicate with ..." (deleting the 's').

Comment by:	Erik Colban	**Membership Status:**	Member	**Date:** 2007/03/09

Comment # 231   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 175   **Line** 4   **Fig/Table#** G3   **Subclause** G.1

No need to number the non-serving BS 1.

Suggested Remedy

Remove "1" from Non-serving BS in figure G3 and in the following text.

GroupResolution   **Decision of Group:**   Agree

Remove "1" from Non-serving BS in figure G3 and in the following text.

Reason for Group's Decision/Resolution

Group's Notes

Motion:
To accept the resolution of comments 12, 14, 101, 109, 115, 121, 133, 134, 144, 157, 166, 170, 181, 186, 188, 189, 190, 191, 192, 193, 209, 210, 211, 212, 214, 216, 227, 228, 231 as recorded in the commentary database document 802.16-07/018r1.
Moved by: Joey Chou
Seconded: Peretz Feder
In favor: 7 Against: 0 Abstain: 1
Motion Approved

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

This now Fig. J3. - Same change also applied to Figure J5 and the subsequent text, for consistency.

Comment by:	Erik Colban	**Membership Status:** Member	**Date:** 2007/03/09

Comment # 232   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 175   **Line** 48   **Fig/Table#**   **Subclause** G.1

Some editorial cleanup needed.
Furthermore, the BS sends an unsolicited RNG-RSP and not an autonomous RNG-RSP

Suggested Remedy

Replace lines 56-58 by:

4. Serving BS sends an unsolicited RNG-RSP message to the MS to request the MS to initiate dedicated ranging. The following parameters are included in this message:

GroupResolution   **Decision of Group:** **Principle**

On lines 56-58, change from:
4. Serving BS sends an autonomous RNG-RSP message to ask MS performing dedicated ranging. The dedicated ranging information for dedicated ranging between the MS and the Serving BS is included in RNG-RSP message.
to:
4. Serving BS sends an unsolicited RNG-RSP message to the MS to request the MS to initiate dedicated ranging. The following parameters are included in this message:

On page 178, line 51-52, change from:
2. The serving BS sends an unsolicited RNG-RSP message to ask MS performing the dedicated ranging. The dedicated ranging information is included in the RNG-RSP message.
to:
2. Serving BS sends an unsolicited RNG-RSP message to the MS to request the MS to initiate dedicated ranging. The following parameters are included in this message:

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

Comment # 233   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 175   **Line** 64   **Fig/Table#**   **Subclause** G.1

Normative requirements shall be omitted in an informative annex. Step 5 needs to be rephrased.

Furthermore, the rendevous time is used to indicated when the BS allocates a dedicated ranging region in the UL-MAP, and not when the MS starts ranging.

Suggested Remedy

Replace page 175 line 64 to page 176 line 2 by:

5. Serving BS allocates a dedicated ranging region and signals it in the UL-MAP in the frame immediately following the rendezvous time sent in the RNG-RSP message in step 4. Serving BS sets the dedicated ranging indicator in the UL-MAP_IE to 1.

6. The MS determines the specific region it should use for transmission of the dedicated CDMA code by applying the offset defined by the "transmission opportunity offset" field in RNG-RSP message received in step 4 to the dedicated ranging region definition in the UL-MAP received from Serving BS.

GroupResolution   **Decision of Group:**   **Principle**

Replace page 175 line 64 to page 176 line 2 by:

5. Serving BS allocates a dedicated ranging region and signals it in the UL-MAP in the frame immediately following the rendezvous time sent in the RNG-RSP message in step 4. Serving BS sets the dedicated ranging indicator in the UL-MAP_IE to 1.

6. If there is a dedicated ranging region at the rendezvous time, the MS determines the specific region it should use for transmission of the dedicated CDMA code by applying the offset defined by the "transmission opportunity offset" field in RNG-RSP message received in step 4 to the dedicated ranging region definition in the UL-MAP received from Serving BS.

On page 178, lines 56-63, and page 179, lines 1-3, modify replace text as:

3.The serving BS allocates a dedicated ranging region for the MS to do dedicated ranging at the pre-assigned rendezvous time and

listens to the dedicated ranging code from the MS.

4. At the same time, the neighbor BS must make no allocations in that dedicated ranging region, and the neighbor BS listens for the dedicated ranging code from the MS.

5. If there is a dedicated ranging region at the rendezvous time, the MS determines the specific region it should use for transmission of the dedicated CDMA code by applying the offset defined by the "transmission opportunity offset" field in RNG-RSP message received in step 2 to the dedicated ranging region definition in the UL-MAP received from Serving BS. The transmission power shall be changed based on the power level adjust parameter included in the received RNG-RSP message to allow the neighbor BS to receive the code successfully.

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Comment by: Erik Colban   **Membership Status:** Member   **Date:** 2007/03/09

Comment # 234   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 176   **Line** 12   **Fig/Table#**   **Subclause** G.1

The rendevous time is used to indicated when the BS allocates a dedicated ranging region in the UL-MAP, and not when the MS starts ranging.

Suggested Remedy

Replace steps 9 and 10 with:

9. Non-serving BS allocates a dedicated ranging region and signals it in the UL-MAP in the frame immediately following the rendezvous time sent in the MOB_SCN-RSP message sent in step 8. The BS sets the dedicated ranging indicator in the UL-MAP_IE to 1.

10. The MS determines the specific region it should use for transmission of the dedicated CDMA code by applying the offset defined by the "transmission opportunity offset" field in the MOB_SCN-RSP message received in step 8 to the dedicated ranging region definition in the UL-MAP received from Non-serving BS.

GroupResolution   **Decision of Group:** **Principle**

Replace steps 9 and 10 with:

9. Neighbor BS allocates a dedicated ranging region and signals it in the UL-MAP in the frame immediately following the rendezvous time sent in the MOB_SCN-RSP message sent in step 8. The BS sets the dedicated ranging indicator in the UL-MAP_IE to 1.

10. If there is a dedicated ranging region at the rendezvous time, the MS determines the specific region it should use for transmission of the dedicated CDMA code by applying the offset defined by the "transmission opportunity offset" field in the MOB_SCN-RSP message received in step 8 to the dedicated ranging region definition in the UL-MAP received from neighbor BS.

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Comment by: Erik   Colban   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # **235**   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 176   **Line** 20   **Fig/Table#**   **Subclause** G.1

Step 14 is incorrect.

1) It is not clear the Serving BS can "read" the timing advance, nor even calculate this value. However, the timing advance is not necessary in the calculation of the time difference of arrival.

2) The time difference of arrival T1=t2-t3

Suggested Remedy

Replace step 14 with:

14. Servng BS calculates the U-TDOA

$$T1 = t2 - t3$$

Alternatively, replace step 14 with:

14. Servng BS calculates the U-TDOA

GroupResolution   **Decision of Group:**   **Principle**

Replace step 14 with:

14. Servng BS calculates the U-TDOA

$$T1 = (t2 - t3)/2$$

Editor to correct the equation in Figure G3 to match change in step 14

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

2007/07/10   IEEE 802.16-07/018r5

Comment by: Erik   Colban   **Membership Status:**   Member   **Date:** 2007/03/09

Comment # 236   **Document under Review:** P802.16g/D8   **Ballot ID:** 16gD8

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 176   **Line** 31   **Fig/Table#**   **Subclause** G.2

Section G.2, although different from section G.1, contains much of the same text and structure as section G.1. Whichever changes are accepted to section G.1, they should be applied to G.2 if applicable, to mainatin consistency between the two sections.

Suggested Remedy

Apply each remedy accepted for comments to section G.1 to G.2 if applicable.

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution

see resolution of comments 232, 233, and 234

Group's Notes

Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

Already incorporated in comments#230-235 and #237-238.

Comment by:	Erik Colban	**Membership Status:**	Member	**Date:** 2007/03/09

Comment # 237   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 176   **Line** 35   **Fig/Table#**   **Subclause** G.2

Timing advance (TA) is not a term of art in 802.16; it has not been defined and is only used in one section in 802.16-2004+e+Cor1. Without a definition, the reader needs to resort to a "natural" understanding of the term or to definitions provided elsewhere. For instance:

"In the GSM cellular mobile phone standard, timing advance value corresponds to the length of time a signal from the mobile phone takes to reach the base station.", from http://en.wikipedia.org/wiki/Timing_advance

With this definition TA is the same as propagation delay. With respect to Figure G4, TA is t1+t2 for Serving BS and t1+t3 for Non-serving BS.

TA could alternatively be understood as an adjustment at the MS of the transmission time of a signal so that the signal arrives at a specific time at the BS. If this adjustment is perfect, the TA equals the propagation delay. If not, there is an additional adjustment at the BS. With respect to Figure G4, TA is t1, and the additional adjustment at the BS (Timing Offset) is t2 at Serving BS and t3 at Non-Serving BS. Again, t1+t2 (t1 +t3) is the propagation delay. However, there is not consistency between text and figure, refer to lines 38-39:

"The sum of timing adjustment and timing advance equals to <u>two times</u> of MS to BS propagation delay." [my underlining]

A "philosophical debate" on the meaning of timing advance can be avoided by avoiding the term and shortening the text.

Suggested Remedy

Modify paragraph on lines 35 - 38 as follows:

[BEGIN INSERT]When the position of an MS is determined using U-TDOA, the MS ranges with the serving BS and 2 or more neighboring BSs.[END INSERT] Figure G4 shows [BEGIN DELET]the[END DELETE][BEGIN INSERT]an example of a[END INSERT] timing diagram of U-TDOA measurement. [BEGIN DELETE]t1 is the Timing Advance. t2 and t3 are the intervals between the time of burst arrival and the beginning of granted slot for Serving BS and Non-serving BS 1 respectively. t2 and t3 are also the Timing Adjustments that BS will ask MS to adjust the timing advance when transmitting the next UL burst. BS calculates t2 and t3 during the ranging process.[END DELETE]

Replace page 177, line36- 65, by:

In this example, the propagation delay at Serving BS is t1+t2 and the propagation delay at Non-serving BS is t1+t3. Serving BS and

Non-serving BS measure t2 and t3 respectively, and Non-Serving BS reports t3 to Serving BS. Serving BS calculates the difference in propagation delay (= t2 - t3) and, by multiplying this difference by the speed of light, the difference the MS's distance to Serving BS and Non-Serving BS.

GroupResolution   **Decision of Group:**   **Principle**

Modify paragraph on lines 35 - 38 as follows:

[BEGIN INSERT]When the position of an MS is determined using U-TDOA, the MS ranges with the serving BS and 2 or more neighboring BSs.[END INSERT] Figure G4 shows [BEGIN DELETE]the[END DELETE][BEGIN INSERT]an example of a[END INSERT] timing diagram of U-TDOA measurement. [BEGIN DELETE]t1 is the Timing Advance. t2 and t3 are the intervals between the time of burst arrival and the beginning of granted slot for Serving BS and Non-serving BS 1 respectively. t2 and t3 are also the Timing Adjustments that BS will ask MS to adjust the timing advance when transmitting the next UL burst. BS calculates t2 and t3 during the ranging process.[END DELETE]

Replace page 177, line36- 65, by:

In this example, the MS transmits a CDMA code that is received by both the serving BS and neighbor BS. The serving BS and neighbor BS measure timing offset t2 and t3 respectively, and the neighbor BS reports t3 to the serving BS. The serving BS calculates the difference in propagation delay = t2 - t3 and, by multiplying this difference by the speed of light, the difference of the MS's distance to the serving BS and neighbor BS

Reason for Group's Decision/Resolution

Group's Notes
Accepted without opposition

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

1)   For consistency with the other text and the figures, changed "offset" to "adjustment" in "The serving BS and neighbor BS measure timing offset t2 and t3 respectively".
2)   Style of t2, t3 adapted as usual: italic and subscript index.

<u>Comment by:</u>   Erik   Colban   <u>Membership Status:</u>   Member   <u>Date:</u> 2007/03/09

<u>Comment #</u> **238**   <u>Document under Review:</u> **P802.16g/D8**   <u>Ballot ID:</u> **16gD8**

<u>Comment</u>   <u>Type</u> Technical   <u>Part of Dis</u> ☐ <u>Satisfied</u> ☐   <u>Page</u> 179   <u>Line</u> 7   <u>Fig/Table#</u>   <u>Subclause</u> G.2

Step 9 is incorrect.

1) It is not clear the Serving BS can "read" the timing advance, nor even calculate this value. However, the timing advance is not necessary in the calculation of the time difference of arrival.

2) The time difference of arrival T1=t2-t3

<u>Suggested Remedy</u>

Replace step 14 with:

9. Servng BS calculates the U-TDOA

$$T1 = t2 - t3$$

Alternatively, replace step 9 with:

9. Servng BS calculates the U-TDOA

<u>GroupResolution</u>   **<u>Decision of Group:</u>   Principle**

Replace step 9 with:

9. Servng BS calculates the U-TDOA

$$T1 = t2 - t3$$

In Figure G5, change:
9. T1= (t1+ t2)/2 – (t1+ t3)/2

to:

9. T1 = t2 -t3

Reason for Group's Decision/Resolution

Group's Notes

Accepted without opposition

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

Removed the '1' from "Non-serving BS 1" in Fig. J5 – for consistency with the remedy for Figure J3 by cmt#235.

2007/07/10   **IEEE 802.16-07/018r5**

Comment by: Peretz Feder   **Membership Status:**   Member   **Date:** 2007/03/10

Comment # **239**   **Document under Review:** **P802.16g/D8**   **Ballot ID:** **16gD8**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 999   **Line**   **Fig/Table#**   **Subclause** Anne F

Modify the MIH figure in the Annex to reflect the unsolicited UL allocation

Suggested Remedy

Adopt contribution C80216g-07_0xx.doc

GroupResolution   **Decision of Group:**   **Principle**

Reason for Group's Decision/Resolution

see resolution of comment 225

Group's Notes

Accepted without opposition

Editor's Notes   **Editor's Actions**   b) none needed

Editor understands this is superseded by comment#225 (record#142) which is an amendment of the MIH figure I12.