| Comment by: | | Murias, Ronald | **Membership Status:** | | **Date:** 24-Feb-2012 |

| **Comment # 01** | | **Document under Review:** **IEEE P802.16.1b/D2** | **Ballot ID:** **sb001b** |

Comment   **Type** Technical   **Part of Dis** ☒ **Satisfied** ☐   **Page** 69   **Line** 50   **Fig/Table#**   **Subclause** 6.3.8.4.4

In the baseline document, 6.3.8.4.4, "If AMS does not receive a response, it may increase its power level by PIR,Step and may send a new initial ranging code, where PIR,Step is the step size to ramp up, which is 2 dB. AMS could further increase the power until maximum transmit power is reached."

The large number of devices involved dramatically increase the likelihood of collision and therefore unnecessary power increase on re-transmission. The SS/MS/AMS needs to know whether the failure was due to lack of power or to collisions so that it only increases transmit power on retries when absolutely necessary.

Suggested Remedy

Include a broadcast message from the BS indicating that a collision has occurred. This will allow MSs to perform backoff without adjusting transmit power.

GroupResolution   **Decision of Group:**   **Rejected**

Reason for Group's Decision/Resolution

No complete remedy is provided.

Group's Notes

Vote:
Favor:0
Against: 1

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

| **Comment by:** | | Turner, Michelle | | **Membership Status:** | | **Date:** 28-Feb-2012 |

Comment # 02   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

Comment   **Type** Technical   **Part of Dis** ☒ Satisfied ☐   **Page** 0   **Line** 0   **Fig/Table#**   **Subclause** 1

If the scope and purpose of the base are not being modified there is no need to include in the draft.

Suggested Remedy

GroupResolution   **Decision of Group:**   **Revised**

<insert>
1.5 Support for Machine-to-Machine (M2M) Communications

The M2M communication is referred to as the information exchange between devices through a base station, or between a device and a server in the core network through a base station that may be carried out without any human interaction.

M2M communications is a very distinct capability that enables the implementation of the "Internet of things".

Some of the typical use cases that the M2M communication enables are secured access and surveillance, tracking and tracing, public safety, payment, healthcare, remote maintenance and control, metering, consumer devices and retailing.

In order to enable a range of Machine-to-Machine applications in which the device communications require wide area wireless coverage in licensed bands, and are automated rather than human-initiated or human-controlled for purposes such as observation and control, some MAC protocols and PHY specifications have been changed for enhancement. MAC enhancements and minimal PHY modifications include support of lower power consumption at the device, support by the base station of significantly larger numbers of devices, efficient support of small burst transmission, and improved device authentication.
</insert>

<delete>
1.1 Scope
This amendment specifies medium access control (MAC) enhancements and minimal WirelessMAN-Advanced physical layer (PHY) modifications in licensed bands to support lower power consumption at the device, support by the base station of significantly larger numbers of devices, efficient support for small burst transmissions, and improved device authentication.
1.2 Purpose
This amendment describes enhancements to enable a range of Machine-to-Machine applications in which the device communications require wide area wireless coverage in licensed bands, and are automated rather than human-initiated or human-controlled for purposes such as observation and control.
</delete>

2012/04/05   **802.16-12-0224-04-Gdoc**

| **Comment by:** | Bims, Harry | **Membership Status:** | **Date:** 3-Mar-2012 |

Comment # 03   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

Comment   **Type** Editorial   **Part of Dis** ☒ **Satisfied** ☐   **Page** 4   **Line** 47   **Fig/Table#**   **Subclause** 6.2.1.3.1

grammar correction

Suggested Remedy

Change "comprising of multiple ABSs"
to "comprising multiple ABSs"

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

Change to: <delete>comprising of multiple ABSs</delete> <insert>comprising multiple ABSs</insert>

Comment by:	Bims, Harry	**Membership Status:**	**Date:** 3-Mar-2012

Comment # 04   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

Comment   **Type** Technical   **Part of Dis** ☒ **Satisfied** ☐   **Page** 4   **Line** 60   **Fig/Table#**   **Subclause** 6.2.1.3.1

The implicit ordering of M2M_GROUP_ZONE_IDs creates a problem when two ABs are implicitly assigned the same M2M_Group_Zone_Index
For example, two ABSs with only one M2M_GROUP_ZONE_ID (the same for both ABSs) would implictly have the same index, 0b00.

Suggested Remedy

Create a Reserved value for the M2M_GROUP_ZONE_ID that can be used by an ABS to skip certain values for the implicit numbering of a M2M_Group_Zone_Index.

GroupResolution   **Decision of Group:**   **Rejected**

Reason for Group's Decision/Resolution

Two ABSs can have the same index as index is with respect to a BS.
It identifies the Zone ID in context if a BS is part of more than one Zone IDs.

Group's Notes

Vote:
Favor:0
Against: 1

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

Comment by:	Bims, Harry		**Membership Status:**	**Date:** 3-Mar-2012

Comment # 05   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID: sb001b**

Comment   **Type** Editorial   **Part of Dis** ☒ **Satisfied** ☐   **Page** 9   **Line** 13   **Fig/Table#**   **Subclause** 6.2.3

MM is a typo

Suggested Remedy

Change "MM" to "M2M"

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

Change to:
<delete>MM</delete><insert>M2M</insert>

Reason for Group's Decision/Resolution

Group's Notes

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

Comment by:	Bims, Harry	**Membership Status:**	**Date:** 3-Mar-2012

Comment # 06   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 49   **Line** 31   **Fig/Table#**   **Subclause** 6.2.18.7

the term 'subclause' should be used instead of subsection

Suggested Remedy

Change "this subsection and other subsections" to "this subclause and other subclauses"

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

Change to:
<delete>this subsection and other subsections</delete> <insert>this subclause and other subclauses</insert>

Reason for Group's Decision/Resolution

Group's Notes

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

Comment by:	Bims, Harry	Membership Status:	Date: 3-Mar-2012

Comment # 07   **Document under Review: IEEE P802.16.1b/D2**   **Ballot ID: sb001b**

Comment	**Type** Editorial	**Part of Dis** ☐	**Satisfied** ☐	**Page** 49	**Line** 51	**Fig/Table#**	**Subclause** 6.2.18.7.1

the term 'subclause' should be used instead of subsection

Suggested Remedy

Change "per section" to "per subclause"

GroupResolution   **Decision of Group: Accepted**

Change to:
<delete>per section</delete> <insert>per subclause</insert>

Reason for Group's Decision/Resolution

Group's Notes

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

Comment by: Bims, Harry   **Membership Status:**   **Date:** 3-Mar-2012

Comment # 08   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

Comment   **Type** Editorial   **Part of Dis** ☒ **Satisfied** ☐   **Page** 50   **Line** 38   **Fig/Table#**   **Subclause** 6.2.18.7.2

"starts to monitor" is ambiguous, and seems to be a requirement

Suggested Remedy

Change "starts to monitor" to "shall monitor"

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

Change to:
<delete>starts to monitor</delete> <insert>shall monitor</insert>

Reason for Group's Decision/Resolution

Group's Notes

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

Comment by: Bims, Harry   **Membership Status:**   **Date:** 3-Mar-2012

Comment # 09   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

Comment   **Type** Editorial   **Part of Dis** ☒ **Satisfied** ☐   **Page** 52   **Line** 16   **Fig/Table#**   **Subclause** 6.2.18.7.2

numner' is a typo

Suggested Remedy

Change "numner" to "number"

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

Change to: <delete>numner</delete> <insert>number</insert>

Reason for Group's Decision/Resolution

Group's Notes

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

Comment by:	Bims, Harry	Membership Status:	Date: 3-Mar-2012

Comment # 10   **Document under Review: IEEE P802.16.1b/D2**   **Ballot ID: sb001b**

Comment   **Type** Editorial   **Part of Dis** ☒ **Satisfied** ☐   **Page** 52   **Line** 34   **Fig/Table#**   **Subclause** 6.2.18.7.3

grammar improvement

Suggested Remedy

Change "by the M2M devices or by its ABS" to "by the fixed M2M device or by its serving ABS"

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

Change to: <delete>by the M2M devices or by its ABS</delete> <insert>by the fixed M2M device or by its serving ABS</insert>

Reason for Group's Decision/Resolution

Group's Notes

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

Comment by:	Ming-Hung Tao	Membership Status: Member	Date: 2012/03/09

Comment # 1001   **Document under Review: IEEE P802.16.1b/D2**   **Ballot ID: sb001b**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 4   **Line** 57   **Fig/Table#**   **Subclause** 6.2.1.3.1

This comment tries to clarify some ambiguous sentences in the section 6.2.1.3.1.

Suggested Remedy

Adopt the proposed remedies in IEEE 802.16-12-0207-00-010b or its latest version.

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

Adopt proposed texts in IEEE 802.16-12-0207-00-010b

Reason for Group's Decision/Resolution

Group's Notes

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

| **Comment by:** | Anshuman Nigam | **Membership Status:** | Member | **Date:** ? |

| **Comment #** 1002 | **Document under Review:** **IEEE P802.16.1b/D2** | **Ballot ID:** **sb001b** |

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 5   **Line** 58   **Fig/Table#**   **Subclause** 6.2.1.3.1

Rewording the sentence for avoiding confusion.

Suggested Remedy

The ordering of M2M_GROUP_ZONE_IDs is ~~same~~ as per ~~in~~ AAI-SCD message for ~~each~~ corresponding neighboring ABS.

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

(1) Change to:
The ordering of the M2M_GROUP_ZONE_IDs <insert>of a neighbor ABS reported in the AAI-NBR-ADV message follows the ordering of the M2M_GROUP_ZONE_IDs in the </insert> <delete>is same as in</delete>AAI-SCD message <delete>for each</delete><insert>broadcasted by the </insert>neighbor ABS.

(2) Replace M2M_GROUP_ZONE_IDs with M2M-GROUP-ZONE-IDs throughout the draft

Reason for Group's Decision/Resolution

Group's Notes

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

| **Comment by:** | Anil Agiwal | **Membership Status:** Member | **Date:** ? |

Comment # **1003**   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 6   **Line**   **Fig/Table#**   **Subclause** 6.2.2.1.3

MAC signaling headers are not protected in current draft. The MAC signaling header carries important control information. These signaling headers are processed by BS and the M2M device without validating the source. A rogue M2M device may impersonate an M2M device and send false information in signaling headers which will affect the operation of M2M device.

we propose a method to protect the signaling header. The proposed mechanism does not affect the already defined fields of existing MAC signaling headers.

Suggested Remedy

Adopt the proposed text in latest version of the contribution IEEE 802.16-12-0148-00-010b.doc

GroupResolution   **Decision of Group:** **Rejected**

Reason for Group's Decision/Resolution

The suggested remedy may impact on legacy device. It is recommended to address this issue in IEEE 802.16.1 project.

Group's Notes

Vote:
Favor: 1
Against: 2

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

| **Comment by:** | Ming-Hung Tao | **Membership Status:** | Member | **Date:** 2012/03/09 |

Comment # 1004   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 6   **Line** 1   **Fig/Table#**   **Subclause** 6.2.1.3.2

We propose to rename FMDID (Fixed M2M Deregistration ID) as LDID (Localized Deregistration ID) for the following two reasons.
1) This ID is only assigned when Localized_Idle_Mode flag is set to 0b1.
2) The name "localized DID" will become a good contrast to the global DID. It helps to distinguish the scope (single BS vs. multiple BSs) of the two IDs.

Suggested Remedy

Adopt the proposed remedies in IEEE 802.16-12-0208-00-010b or its latest version.

GroupResolution   **Decision of Group:**   **Rejected**

Reason for Group's Decision/Resolution

FMDID is assigned to only fixed M2M device. Current text is more understandable rather than the proposal for idle mode operation of fixed M2M device.

Group's Notes

Vote:
Favor: 2
Against: 1

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

| **Comment by:** | Anil Agiwal | **Membership Status:** | Member | **Date:** ? |

| **Comment #** 1005 | **Document under Review:** **IEEE P802.16.1b/D2** | **Ballot ID:** **sb001b** |

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 7   **Line**   **Fig/Table#**   **Subclause** 6.2.2.1.3.10

The section 6.2.29 in draft [1] defines the mechanism to signal the abnormal power down indication to the BS. The draft [1] proposes a method to indicate abnormal power down indication using abnormal power down signaling header. The protection mechanism for abnormal power down signaling header is not defined.

Suggested Remedy

Adopt the proposed text in latest version of the contribution IEEE 802.16-12-0147-00-010b.doc

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

Adopt proposed texts in IEEE 802.16-12-0147-00-010b

Reason for Group's Decision/Resolution

Group's Notes

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

| **Comment by:** | Ming-Hung Tao | | **Membership Status:** | Member | **Date:** | 2012/03/09 |

Comment # 1006   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 24   **Line** 14   **Fig/Table#** T49   **Subclause** 6.2.3.23

This comment tries to clarify some ambiguous description in Table 49 (AAI-PAG-ADV).

Suggested Remedy

Adopt the proposed remedies in IEEE 802.16-12-0209-00-010b or its latest version.

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

Adopt remedy #2 and remedy #3 in IEEE 802.16-12-0209-00-010b

Reason for Group's Decision/Resolution

Group's Notes

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

| **Comment by:** | Soojung Jung | | **Membership Status:** | Member | **Date:** | 2012/03/10 |

Comment # 1007   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 25   **Line** 52   **Fig/Table#** Tabl   **Subclause** 6.2.3.23

In case of group paging, initial ranging backoff start is applied to each M2M device group. So, in order to apply different ranging backoff mechanism to each M2M device group, ranging backoff window indicator should be assigned to each M2M device group.

Suggested Remedy

Adopt texts in Contribution IEEE 802.16-12-0210-00-010b or its latest version.

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

Adopt proposed texts in IEEE 802.16-12-0210-05-010b

Reason for Group's Decision/Resolution

Group's Notes

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

| **Comment by:** | Giwon Park | **Membership Status:** | Member | **Date:** 2012/03/07 |

Comment # 1008   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 32   **Line** 22   **Fig/Table#**   **Subclause** 6.2.3.31

Clean up of M2M ranging indicator parameter is needed in AAI-SCD message.

Suggested Remedy

Adopt the proposed text of 16-12-0166-01-010b or latest version

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

Adopt proposed texts in IEEE802.16-12-0166-02-010b with the additional change:

Chage to: <delete>Table 839</delete><insert>Table 182</insert>

Reason for Group's Decision/Resolution

Group's Notes

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

Comment by:	Soojung Jung	**Membership Status:** Member	**Date:** 2012/03/10

Comment # 1009   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

Comment   **Type** Editorial   **Part of Dis** ☐ **Satisfied** ☐   **Page** 32   **Line** 50   **Fig/Table#** Tabl   **Subclause** 6.2.3.31

Table number don't match Table number in P802.16.1/D4

Suggested Remedy

[change the table number accoring to P802.16.1/D4]

1. Table 57 AAI-SCD message

M2M rnaging indicator | 2 | indicate the ranging configuration for M2M devices. |
                      | | | 0b00: normal ranging as defined in Table<delete> 839 </delete> |
                      | | <insert> 182 </insert>in 6.3.5.5.1.2 |
----

2. on line 26, page 50
network (re-)entry using the ranging resources defined in Table <delete> 833 </delete>
<insert>182 </insert> in 6.3.5.5.1.2. The configuration of

3. on line 59, page 50
M2M device performs the normal ranging using the ranging resource defined in Table <delete> 839 </delete> <insert> 182 </insert> in
6.3.5.5.1.2

4. on line 26, page 51
M2M device performs the normal ranging using the ranging resources defined in Table <delete> 839 </delete> <insert>182 </insert> in
6.3.5.5.1.2

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

Change the table number:

1. Table 57 AAI-SCD message

M2M rnaging indicator | 2 | indicate the ranging configuration for M2M devices. |
                      | | | 0b00: normal ranging as defined in Table<delete> 839 </delete> |
                      | | <insert> 182 </insert>in 6.3.5.5.1.2 |

----

2. on line 26, page 50
network (re-)entry using the ranging resources defined in Table <delete> 833 </delete>
<insert>182 </insert> in 6.3.5.5.1.2. The configuration of

3. on line 59, page 50
M2M device performs the normal ranging using the ranging resource defined in Table <delete> 839 </delete> <insert> 182 </insert> in
6.3.5.5.1.2

4. on line 26, page 51
M2M device performs the normal ranging using the ranging resources defined in Table <delete> 839 </delete> <insert>182 </insert> in
6.3.5.5.1.2

Reason for Group's Decision/Resolution

Group's Notes

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

| **Comment by:** | Lei Zhou | **Membership Status:** | Member | **Date:** | 2012/03/04 |

Comment # 1010   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 32   **Line** 57   **Fig/Table#** 57   **Subclause** 6.2.3.31

Current dedicated ranging channel for M2M will be assigned in two messages (AAI-SCD& AAI-PAG-ADV message).Actually ranging channel related information belongs to system configuration and current information of dedicated ranging channel will conflict with ranging channel allocation of legacy 16m system. This contribution proposes to use unique message to carry information of dedicated ranging channel and modify configuration of dedicated ranging channel and avoid conflicting with ranging channel allocation of legacy 16m system.

Suggested Remedy

Adopt the proposed text in IEEE802.16-12-0150-00-010b or its latest version.

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

Adopt Remedy 1 in IEEE802.16-12-0250-05-010b

Reason for Group's Decision/Resolution

Group's Notes
reopen (Wed 16:08)

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

| **Comment by:** | Giwon Park | **Membership Status:** | Member | **Date:** 2012/03/07 |

Comment # **1011**   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

| **Comment** | **Type** Technical | **Part of Dis** ☐ | **Satisfied** ☐ | **Page** 40 | **Line** 15 | **Fig/Table#** | **Subclause** 6.2.3.64 |

At the last meeting, it was decided that AAI-MTE-IND and AAI-MGMC can be multicast or broadcast. The message including only one MGID will be multicast by using MGID and the messages including multiple MGIDs will be broadcast.
Therefore, AAI-MTE-IND message should be cleaned up similar to AAI-MGMC.

Suggested Remedy

Adopt the proposed text of 16-12-0160-00-010b or latest version

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

Adopt proposed texts in IEEE 802.16-12-0160-01-010b with the additional change:

Change the description in Value/Description to: Number of multicast service flows for which data transmission is stopped [1..4]

Reason for Group's Decision/Resolution

Group's Notes

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

| **Comment by:** | Soojung Jung | **Membership Status:** Member | **Date:** 2012/03/10 |

Comment # **1012**   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

Comment   **Type** Editorial   **Part of Dis** ☐   **Satisfied** ☐   **Page** 40   **Line** 20   **Fig/Table#**   **Subclause** 6.2.3.65

state name is wrong

Suggested Remedy

[modify texts on line 20,page 40 as follows]

The ABS may send the AAI-MGMC message to M2M devices in <delete>~~connect~~</delete> <insert>connected</insert> state by using either

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

Modify texts on line 20, page 40 as follows

The ABS may send the AAI-MGMC message to M2M devices in <delete>~~connect~~</delete> <insert>connected</insert> state by using either

Reason for Group's Decision/Resolution

Group's Notes

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

| Comment by: | Anil Agiwal | Membership Status: | Member | Date: ? |

Comment # 1013   **Document under Review:** IEEE P802.16.1b/D2   **Ballot ID:** sb001b

Comment — **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 41   **Line** 36   **Fig/Table#**   **Subclause** 6.2.5.2.2.1

The mapping of SA for the control connection carrying encrypted multicast control message needs to be defined.

Suggested Remedy

Modify the section 6.2.5.2.2.1 as follows

6.2.5.2.2.1 Mapping of flows to SAs
The following rules for mapping flows to SAs apply:
a)The unicast transport flows shall be mapped to an SA.
b)The multicast or broadcast transport flows shall be mapped to Null SA.
c)The encrypted unicast control flows shall be mapped to the Primary SA.
d)The non-encrypted unicast control flows shall not be mapped to any SA.
e)The broadcast control flows shall not be mapped to any SA.
f)The multicast transport flow for an M2M group shall be mapped to Null SA or Multicast SA.
g) The encrypted multicast control flow shall be dynamically mapped to different multicast SA. The multicast SA mapped to encrypted multicast control flow is the multicast SA established for the M2M device group whose control message is carried by it.

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

Modify the section 6.2.5.2.2.1 as follows

6.2.5.2.2.1 Mapping of flows to SAs
The following rules for mapping flows to SAs apply:
a) The unicast transport flows shall be mapped to an SA.
b) The multicast or broadcast transport flows shall be mapped to Null SA.
c) The encrypted unicast control flows shall be mapped to the Primary SA.
d) The non-encrypted unicast control flows shall not be mapped to any SA.
e) The broadcast control flows shall not be mapped to any SA.
f) The multicast transport flow for an M2M group shall be mapped to Null SA or Multicast SA.
<insert>g) The encrypted multicast control flow shall be dynamically mapped to different multicast SA. The encrypted multicast control flow carrying the control message for an M2M device group shall be mapped to the multicast SA established for that M2M device group.</insert>

Reason for Group's Decision/Resolution

Group's Notes

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

2012/04/05   **802.16-12-0224-04-Gdoc**

Comment by: Giwon Park   **Membership Status:** Member   **Date:** 2012/03/07

Comment # 1014   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 46   **Line** 62   **Fig/Table#**   **Subclause** 6.2.7.1

This section is related with De-allocation mechanism not Allocation mechanism.

Suggested Remedy

Adopt the following motification

6.2.7.1 <Delete>Allocation</Delete> <Insert>De-allocation</Insert> mechanism

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

Modify texts on page 47, line 10 as follows:

6.2.7.2 <delete>Allocation</delete> <insert>De-allocation</insert> mechanism

Reason for Group's Decision/Resolution

Group's Notes

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

Comment by: Jaesun Cha   **Membership Status:**   Member   **Date:** ?

Comment # **1015**   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 53   **Line** 43   **Fig/Table#**   **Subclause** 6.2.18.74

There are some ambiguous texts which needs to be clarified.

Suggested Remedy

Adopt texts in IEEE 802.16-12-0214-00-010b

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

Adopt proposed texts in IEEE 802.16-12-0214-03-010b

Reason for Group's Decision/Resolution

Group's Notes

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

Comment by:	Giwon Park	**Membership Status:** Member		**Date:** 2012/03/07

Comment # 1016   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 57   **Line** 11   **Fig/Table#**   **Subclause** 6.2.28.4

1) Change the name of M2M group assignment A-MAP IE into M2M Multicast Assignment A-MAP IE because the IE is used to send the multicast burst
2) Clarify the wrong texts related to M2M group assignment A-MAP IE in Section 6.2.28.4

Suggested Remedy

Adopt the proposed text of 16-12-0163-00-010b or latest version

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

Adopt proposed texts in IEEE 802.16-12-0163-01-010b

Reason for Group's Decision/Resolution

Group's Notes

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

| **Comment by:** | Giwon Park | **Membership Status:** Member | **Date:** 2012/03/07 |

Comment # 1017   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 57   **Line** 28   **Fig/Table#**   **Subclause** 6.3.5.5.2.4.13

To minimize the PHY decoding processes and the power consumption of M2M devices, the type information of broadcast messages will be included in the broadcast assignment A-MAP IE. Based on the type information of broadcast messages in the A-MAP IE M2M devices will decide if the devices decode the broadcast burst of broadcast messages or not.

Suggested Remedy

Adopt the proposed text of 16-12-0162-00-010b or latest version

GroupResolution   **Decision of Group:**   **Rejected**

Reason for Group's Decision/Resolution

Since M2M devices stay in idle state most of their life time, most of broadcast control messages do not need to be received. Secondly, the gain of the proposed remedy is not expected to be high.

Group's Notes

Vote:
Favor: 1
Against: 3

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

Comment by:	Soojung Jung	**Membership Status:** Member	**Date:** 2012/03/10

Comment # 1018   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 57   **Line** 43   **Fig/Table#**   **Subclause** 6.2.28.4.1

a downlink multicast service flow is uniquely identified by MGID and M2M Group zone index in an ABS.

Suggested Remedy

[modify texts on line 8, page 58 as follows]

The multicast connection shall be established through AAI-DSA MAC control and a MGID <insert> with M2M Group Zone Index is assigned for multicast connection.

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

(1) Modify texts on line 42, page 57 as follows

The multicast connection shall be established through AAI-DSA MAC control and a MGID <insert> with M2M-Group-Zone-Index </insert> is assigned for multicast connection.

(2) Change underscores to hyphen for MAC control message name and MAC control message parameters throughout the draft.

Reason for Group's Decision/Resolution

Group's Notes

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

| **Comment by:** | | Anil Agiwal | | **Membership Status:** | Member | | **Date:** ? |

| **Comment #** 1019 | | **Document under Review:** | **IEEE P802.16.1b/D2** | **Ballot ID:** | **sb001b** |

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 58   **Line** 30   **Fig/Table#**   **Subclause** 6.2.28.4.4

The section 6.2.28.4.4 does not provide any solution.
Delete the section.

Suggested Remedy

Delete the section 6.2.28.4.4

~~6.2.28.4.4 Reliable multicast transmission for M2M applications~~
~~An M2M ABS shall provide the reliable transmission of the multicast traffic for M2M applications.~~

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

Delete the entire subclause 6.2.28.4.4

Reason for Group's Decision/Resolution

Group's Notes

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

| **Comment by:** | Giwon Park | **Membership Status:** Member | **Date:** 2012/03/07 |

Comment # **1020**   **Document under Review:** **IEEE P802.16.1b/D2**   **Ballot ID:** **sb001b**

Comment   **Type** Technical   **Part of Dis** ☐ **Satisfied** ☐   **Page** 59   **Line** 1   **Fig/Table#**   **Subclause** 6.2.29.1

Regarding abnormal power down reporting procedure, there is redundant text in section 6.2.29.1. Thus, redundant text shall be deleted.

Suggested Remedy

Adopt the proposed text of 16-12-0164-00-010b or latest version

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

Remove the last paragraph in subclause 6.2.29.1 (page 59, line 1)

Reason for Group's Decision/Resolution

Group's Notes

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

| **Comment by:** | | Lei   Zhou | | **Membership Status:** | Member | | **Date:** 2012/03/04 |

Comment # 1021   **Document under Review:**   **IEEE P802.16.1b/D2**   **Ballot ID:**   **sb001b**

Comment   **Type** Technical   **Part of Dis** ☐   **Satisfied** ☐   **Page** 70   **Line** 34   **Fig/Table#** 327   **Subclause** 6.11

In current P802.16.1b/D2, T32 timer is used for backup procedure of network reentry based on GD when group member can't hear any confirmation from BS. But detail value of T32 timer is TBD. This comment proposes to set detail value for T32 timer.

Suggested Remedy

Adopt the proposed text in IEEE802.16-12-0151-00-010b or its latest version.

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

(1) Line 35, Page 70
Change to:
<delete> This is an event report timer. Timer starts on detection of an event identified for a Group (i.e. MGID)</delete>
<insert>AAI-RNG-ACK reception timeout following the transmission of a ranging preamble code sent by a group delegate.</insert>

(2) Line 35, Page 70
Change to:
<delete>Minimum value of T31 x 2</delete>

Reason for Group's Decision/Resolution

Group's Notes

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