

Project	<b>IEEE 802.16 Broadband Wireless Access Working Group</b> < <a href="http://ieee802.org/16">http://ieee802.org/16</a> >	
Title	<b>Clarification of MOB_BSHO-RSP message</b>	
Date Submitted	<b>2005-04-29</b>	
Source(s)	Yerang Hur, Bong Ho Kim  POSDATA Co., Ltd.	Voice: 408-986-1140 Fax: 408-986-1145 <a href="mailto:{yehur,bhkim}@posdata-usa.com">[mailto: {yehur,bhkim}@posdata-usa.com]</a>
Re:	IEEE P802.16e/D7.	
Abstract	This presentation clarifies MOB_BSHO-RSP message. As TLV of MOB_BSHO-RSP is optional, we need to specify when it shall be included.	
Purpose	Review and adoption of the proposed text change into IEEE P802.16e/D7.	
Notice	This document has been prepared to assist IEEE 802.16. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.	
Release	The contributor grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE's name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE's sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that this contribution may be made public by IEEE 802.16.	
Patent Policy and Procedures	The contributor is familiar with the IEEE 802.16 Patent Policy and Procedures < <a href="http://ieee802.org/16/ipr/patents/policy.html">http://ieee802.org/16/ipr/patents/policy.html</a> >, including the statement "IEEE standards may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for compliance with both mandatory and optional portions of the standard." Early disclosure to the Working Group of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and increase the likelihood that the draft publication will be approved for publication. Please notify the Chair < <a href="mailto:chair@wirelessman.org">mailto:chair@wirelessman.org</a> > as early as possible, in written or electronic form, if patented technology (or technology under patent application) might be incorporated into a draft standard being developed within the IEEE 802.16 Working Group. The Chair will disclose this notification via the IEEE 802.16 web site < <a href="http://ieee802.org/16/ipr/patents/notices">http://ieee802.org/16/ipr/patents/notices</a> >.	

# Clarification of MOB\_BSHO-RSP message

Yerang Hur, Bong Ho Kim  
POSDATA Co., Ltd.

## 1. Problem Statements

As TLV of MOB\_BSHO-RSP is optional, we need to specify when it shall be included.

## 2. Remedy

*[Change the last five rows of Table 108m as follows:]*

Syntax	Size (bits)	Notes
MOB_BSHO-RSP_Message_Format ()	--	--
...	...	...
<b>Action time</b>	8	--
<b>Resource Retain Type</b>	<del>1</del> 2	<a href="#">00: Release MS resource</a> <a href="#">01: Retain MS resource and use the System Resource Retain Time timer.</a> <a href="#">10: Retain MS resource and use the value in the Resource Retain Time field included in this message.</a> <a href="#">11: Reserved</a>
<del>Padding</del> <a href="#">If (Resource Retain Type == 10) TLV encoded information</a>	<del>2</del>	<a href="#">TLV specific. See 11.16.1.</a>
<del>TLV encoded information</del> <a href="#">padding</a>	<i>variable</i>	<del>TLV specific.</del> <a href="#">Padding bits to ensure byte-alignment.</a>
<b>HMAC Tuple</b>	168 (21 bytes)	See 11.1.2.
<del>}</del>		

A BS shall generate MOB\_BSHO-RSP messages in the format shown in Table [108m](#). The following parameters shall be included in the MOB\_BSHO-RSP message,

### Action Time

For HO, this value is defined as number of frames until the Target BS allocates a non-contention

1 based ranging opportunity for the MSS. For SHO/FBSS, this is the time of update of Anchor BS  
2 and/or Active Set.

3 A value of zero in this parameter signifies that this parameter should be ignored.

#### 4 **Resource Retain Type**

5 The Resource Retain Type flag indicates whether the serving BS will retain or delete the connection  
6 information of the MS upon receiving MOB\_HO-IND with HO\_IND\_type=0b00. If the flag is set to  
7 10, the serving BS will retain the MS's connection information during the time in Resource Retain  
8 Time field. If Resource Retain Type=01 ~~and Resource Retain Time is not~~  
9 ~~included as a TLV item in the message~~, then the serving BS and MS shall use the System  
0 Resource Retain Time timer. If the flag is set to 00, the serving BS will discard the MS's connection  
1 information.

#### 2 **HMAC Tuple (see 11.1.2)**

3 The HMAC Tuple Attribute contains a keyed Message digest (to guarantee the origin and  
4 integrity of the message).  
5

### 6 **3. References**

7  
8 [1] IEEE, IEEE P802.16e/D7, April 2005.  
9