

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 end of service time from serving BS</b>	
Date Submitted	<b>2005-06-14</b>	
Source(s)	Kyungjoo Suh Jaehee Cho Hyongoo Kang Joongkeun Cho Yunsung Kim <b>Samsung Electronics CO., LTD.</b>	<a href="mailto:joo.suh@samsung.com">joo.suh@samsung.com</a> Voice: +82-31-279-5123  <a href="mailto:jaehee1.cho@samsung.com">jaehee1.cho@samsung.com</a> Voice: +82-31-279-5596
Re:	Call for comments, Sponsor Ballot on 802.16e/D8	
Abstract	<p>Draft clarifies the time for MS to terminate connection with Serving BS. The MS includes a time, called Serving BS Service timer. The timer denotes the end of service time supported by Serving BS, after MS sends MOB_HO-IND message to BS.</p> <p>By using this timer, we offer the way to solve traffic loss problem during handover.</p>	
Purpose	<b>Clarify the end of MS's connection time with Serving BS</b>	
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 end of service time from serving BS

Kyungjoo Suh, Jaehee Cho, Hyongoo Kang, Joongkeun Cho, Yunsung Kim

– Samsung Electronics

### 1. Motivation

In the current specification, after MS sends MOB\_HO\_IND message, it is not clear when is the time for MS to disconnect the communication with old Serving BS. Therefore, in this contribution we clarify the time for MS to be disconnected from the old Serving BS.

### 2. Changes summary

*[Insert new sentences at the end of section 6.3.21.2.5:]*

#### 6.3.21.2.5 Termination with the Serving BS

While Serving BS processes the MOB\_HO-IND message, the MS shall receive the Down link traffic from the Serving BS. Due to the processing time of Serving BS for MOB\_HO-IND, MS shall maintain Serving BS Service timer. The max of this timer shall not be greater than Resource Retain Time timer.

*[ Insert the following entries to table 358 in subclause 11.4.1:]*

#### 11.4.1. DCD channel encodings

<u>Name</u>	<u>Type (1 byte)</u>	<u>Length</u>	<u>Value(variable length)</u>	<u>PHY scope</u>
<u>Serving_BS Service time</u>	<u>xx</u> (probably 53)	<u>1</u>	<u>The Serving_BS Service Time is the duration for serving BS's processing time for MOB HO-IND that will be retained in MS. During this time MS shall receive DL traffic from BS. MS shall start Serving_BS Service Time timer after sending MOB_HO-IND. The unit of this value is 1 frames. This timer shall not be greater than Resource Retain Timer. The default value is 2.</u>	<u>OFDMA</u>