

Project	IEEE 802.16 Broadband Wireless Access Working Group < http://ieee802.org/16 >	
Title	Proposed SDD text changes to Broadcast Channel	
Date Submitted	2008-09-17	
Source(s)	Mihyun Lee, Rakesh Taori and Hokyu Choi Samsung Electronics	E-mail: mihyun.mac.lee@samsung.com
	Mo-Han Fong Nortel Networks	mhfong@nortel.com
	Shantidev Mohanty and Sassan Ahmadi Intel	Shantidev.mohanty@intel.com
	Mary Chion ZTE	mchion@zteusa.com
	Mark Cudak and Fan Wang Motorola	mark.cudak@motorola.com
	Klutto Milleth and Kiran Kuchi CeWit	klutto@cewit.org.in
	Yih-Shen Chen and Paul Cheng MediaTek Inc.	yihshen.chen@mediatek.com minghung02@gmail.com
	Richard Li, Ming-Hung Tao and Mamadou Kone ITRI	
Re:	PHY: SDD Session 56 Cleanup; in response to the TGm Call for Contributions and 802.16m-08/033 for Session 57.	
Abstract	This contribution suggests modification to Broadcast Channel(BCH)	
Purpose	Discussion and approval by TGm for the 802.16m SDD	
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Proposed SDD Text Changes to Broadcast Channel

Mihyun Lee, Rakesh Taori and Hokyu Choi
Samsung Electronics

Mo-Han Fong
Nortel Networks

Shantidev Mohanty and Sassan Ahmadi
Intel

Mary Chion
ZTE

Mark Cudak and Fan Wang
Motorola

Klutto Milleth and Kiran Kuchi
CeWit

Yih-Shen Chen and Paul Cheng
MediaTek Inc.

Richard Li, Ming-Hung Tao and Mamadou Kone
ITRI

Introduction

The information content of PBCH/SBCH depends on the transmission method (e.g. transmission time scale, diversity schemes, etc) of PBCH/SBCH. However, the transmission method of PBCH/SBCH is not specified yet.

We suppose that the information contents in PBCH/SBCH will be discussed and specified when the transmission method of PBCH/SBCH is specified (perhaps during Stage 3 text development?). Our proposal is that until the transmission method is specified, the constraints related to the information contents to SBCH/PBCH should be deleted.

Text Change

[Modify the text in 11.7.2.2.1 as follows]

11.7.2.2.1 Primary Broadcast Channel (PBCH) and Secondary Broadcast Channel (SBCH)

The Primary Broadcast Channel (PBCH) and the Secondary Broadcast Channel (SBCH) carry essential system parameters and system configuration information. ~~The PBCH carries deployment wide common information. The SBCH carries sector specific information.~~ The information in the PBCH is transmitted every superframe. The SBCH may also be transmitted. When present, and the SBCH may be transmitted over one or more superframes. The information contents of PBCH and SBCH is FFS

11.7.2.2.2 Location of the BCH

The SFH includes PBCH and SBCH if SBCH is present, and is located in the first subframe within a superframe.

~~11.7.2.2.3 The SFH includes PBCH and the SBCH, and is located in the first subframe within a superframe. Multiplexing of the PBCH and SBCH with other control channels and data channels~~

[Change the text in Table 3, page 64, 11.7.3]

Information		Channel	Location
Synchronization information		Synchronization Channel (SCH)	FFS
Essential system parameters and system configuration information	Deployment wide common information	Primary Broadcast Channel (PBCH) <u>and Secondary Broadcast Channel (SBCH)</u>	Inside of SFH
	Downlink sector specific information	Secondary Broadcast Channel (SBCH)	Inside of SFH
	Uplink sector specific information		
Extended system parameters and system configuration information		FFS	Outside of SFH
Control and signaling for DL notifications		FFS	FFS
Control and signaling for traffic		Unicast Service Control Channel	Outside of SFH