Project	IEEE 802.16 Broadband Wireless Access Working Group http://ieee802.org/16 >	
Title	In-band Transparent Relay Frame Structure	
Date Submitted	2006-03-13	
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Re:	IIEEE 802.16j-07/007r2: "Call for Technical Comments and Contributions regarding IEEE Project 802.16j"	Ξ
Abstract	This contribution proposes in-band transparent relay frame structure	
Purpose	Text proposal for 802.16j Baseline Document	
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publication will be approved for publication. Please notify the Chair mailto:chair@wirelessman.org 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 http://ieee802.org/16/ipr/patents/notices.

In-band Transparent Relay Frame Structure

Introduction

This contribution proposes an example of detailed transparent frame structure in IEEE 80216j-06/026r2.

Proposed text changes

According to the proposed text in IEEE 80216j-06/026r2, we propose the following changes.

[Change the text in section 3 "Definitions" as indicated:]

3.90 DL Access_Zone: A portion of the DL sub-frame in the MR-BS/RS frame used for MR-BS/RS to MS <u>or</u> <u>transparent RS</u> transmission.

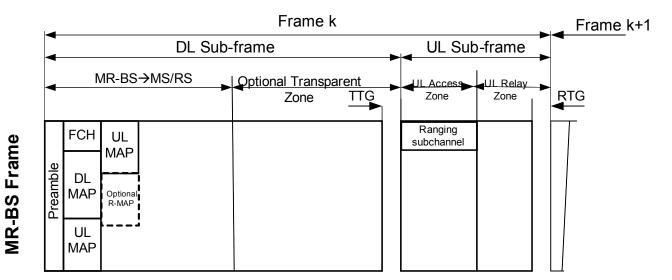
[Insert the text in section 3 "Definitions" as indicated:]

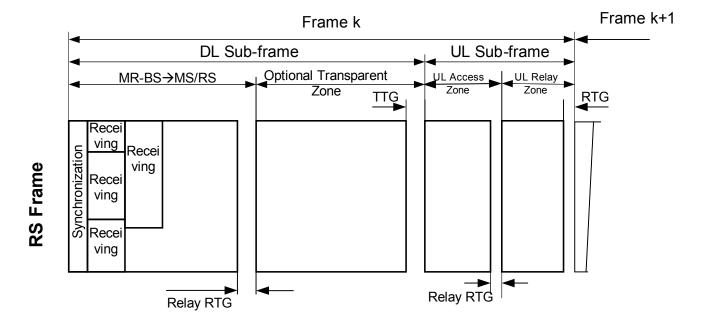
3.98 Transparent RS: A transparent RS does not transmit DL frame-start_preamble, FCH, DL-MAP/UL-MAP, and DCD/UCD.

[Change the figure in section 8.4.4.7.1 "Frame structure for transparent mode" as indicated:]

[Replace Figure xxx with Figure yyy as follows:]

Figure xxx Example of configuration for an in-band transparent relay frame structure





Frame *j*+1-

OFDMA symbol number k+Mk+M+1+M+k+NDL burst #1 (carrying the UL-MAP) FCH FCH DL burst #3 Ranging subchannel Ranging subchannel DL burst #7 Subchannel Logical number UL burst #1 R-UL burst #1 MR-BS Frame DL burst #4 DL burst #8 DL burst #6 Silent for RS UL burst #2 R-UL burst #2 DL burst #2 (carrying the R-MAP) DL-MAP communicating DL-MAP with RS/MS UL burst #3 R-UL burst #3 DL burst #5 DL burst #9 UL burst #4 R-UL burst #4 DL burst #2 UL burst #5 R-UL burst #5 -DL Access Zone--Optional Transparent Zone -UL Access Zone--UL Relay Zone-DL Subframe UL Subframe **◆**Frame *j*+1**−** :+M+4 s s+1 s+2 s+3 s+3 s+L Ranging subchannel DL burst #7 -Subchannel Logical number-RS Frame DL burst #8 Silent for MS Receiver mode for communicating with Transmitter mode for DL burst #10 DL-MAP communicating with MR-BS MR-BS communicating with MR-BS DL burst #9 UL burst #4 UL burst #5 -DL Access Zone-UL Access Zone -UL Relay Zone-Optional Transparent Zone UL Subframe DL Subframe

Figure yyy Example of configuration for an in-band transparent relay frame structure