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Re:	This is a response to Call for Technical Proposals regarding IEEE Project P802.16j	
Abstract	This proposal provides a new information field for FCH to indicate R-MAP.	
Purpose	The document is submitted for review by 802.16 Working Group members	
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R-FCH Information to indicate R-MAP

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Introduction

For delay free R-MAP indication, R-FCH indicating the location of an R-MAP may locate at the same frame where the R-MAP exists.

Proposal

R-FCH has RS-Zone prefix, which is a data structure to indicate the location RS Zone in the next frame. However, in this case, MR-BS has one frame delay to reflect new configuration about RS Zone because RS-Zone prefix contains the location of the RS-Zone in the next frame. For immediate configuration, RS-Zone prefix needs to indicate the same frame, where the R-FCH having the RS-Zone prefix does exist, for the location of the RS-Zone.

Text Proposal

[Change the text at the section 8.4.4.7.4 as follows]

8.4.4.7.4 RS-Zone prefix

The RS-Zone prefix is a data structure transmitted on R-FCH of a DL RS_Zone. The RS-Zone prefix includes information regarding the location of RS_Zone in **either the same frame or** the next frame, information required for decoding R-MAP and etc. Table XXX defines the format of RS_Zone prefix.

Syntax	Size (bits)	Notes
RS_Zone_Prefix_format {		0-255
Frame_Index	1	If the value of this field is '0', RS Zone indicated by RS_Zone_location does exist in current frame. Otherwise, '1' represents RS Zone exists in the next frame.
RS_Zone_location	8	The field indicates the FDM symbol index reference to the beginning of next the frame indexed by Frame_Index field in unit of 2 OFDM symbols.
R_MAP length	5	
MCS index used for R-MAP	5	
Reserved	65	
}		

Frame_Index

RS Zone may locate in either current frame or the next frame. Frame_Index indicates the frame, where RS Zone indicated by RS_Zone_location exists.

RS_Zone_location

An indicator regarding the location of RS_Zone in **either the current frame or the** next frame. The first OFDM symbol in each frame is indexed as 0. The RS_Zone_location indicates the OFDM symbol index relative to the first OFDM symbol in ~~next~~ **the frame indexed by Frame_Index field**. The unit is 2 OFDM symbols.

R-MAP length

The length in sub-channels of R-MAP message that immediately follows the RS_Zone prefix.

MCS index used for R-MAP

An indicator indicating the modulation and code rate used for R-MAP message.