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Re:	IEEE 802.16j-07/019: "Call for Technical Comments Regarding IEEE Project 802.16j"
Abstract	This contribution proposes a MS UL Burst Profile Change header.
Purpose	Text proposal for 802.16j Baseline Document.
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Comments on RS-RNG_RSP_ALLOC IE

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Introduction

RS BR header can be used to request bandwidth for its access link for the purposes of transmitting messages other than RNS-RSP. Therefore, we change the name of "RS-RNG_RSP_ALLOC IE" to "RS Bandwidth Allocation IE". In addition, the "RS Bandwidth Allocation IE" is presented in R-MAP, thus, we move it from "Extended-2 DIUC IE" to "R-link specific IE". Moreover, the "RCID_IE" and "DL-MAP IE index" is introduced to reduce IE overhead.

In order to facilitate the incorporation of this proposal into IEEE 802.16j standard, specific changes to the baseline working document IEEE 802.16j-06/026r4 are listed below.

Text Proposal

[Change the following subclause 6.3.2.1.2.2.2.1 in line 41 of page 9:]

6.3.2.1.2.2.2.1 RS bandwidth request header (RS BR)

RS BR header may be sent by the RS to the MR-BS to request bandwidth for its access link for the purposes of transmitting ~~a RNG_RSP~~ message s composed by the RS (such as RNG-RSP, MOB_NBR-ADV, DCD, and UCD).

[Change the following table in line 24 of page 10 as indicated]

Table 19b—Description of fields in RS BR header

Name	Length	Description
TID	4	Transaction Identifier. MR-BS when allocating resources ~~RNG-RSP~~in response to an RS BR header shall include the same TID in the RS-~~RNG_RSP_~~BW-ALLOC_IE as in the RS BR header.
DIUC	4	Indicates the DIUC used by RS to transmit message ~~RNG_RSP~~. MR-BS allocates sufficient resources to send the message from RS using RS-~~RNG_RSP_~~BW-ALLOC_IE.

[Change the following table in line 4 of page 153 as indicated]

Table 385—Extended-2 DIUC code assignment for DIUC=14

0x0B	~~RS-RNG_RSP_ALLOC_IE~~ Reserved

[Remove subclause 8.4.5.4.29]

~~8.4.5.4.29 RS-RNG_RSP_ALLOC IE~~

[Change the following Table 496c in page 161:]

Table 496c—R-link specific IE types

0x01	RS_BW-ALLOC_IE
0x~~01~~02-1F	Reserved

[Insert the following text in line 42 of page 162 as indicated]

8.4.5.9.3 RS Bandwidth Allocation IE (RS_BW-ALLOC_IE)

This IE is transmitted to a RS from MR-BS. This IE provides the allocation to RS for transmission of messages composed by the RS over access link to MS.

Table xxx—RS_BW-ALLOC_IE format

Name	Length	Description
RS_BW-ALLOC_IE {		
Type	5 bits	0x01
Length	4 bits	variable
RCID_IE()	4,8,12,16 bits	RS basic CID in RCID_IE format (see 8.4.5.3.20.1)
TID	4 bits	Transaction ID
DL-MAP IE index	8 bits	RS shall transmit message on the burst described by the k-th DL-MAP IE within the DL-MAP message broadcasted by the RS, where *k* is the DL-MAP IE index
}		

[Replace line 30 through 31 with the followings at subclause 6.3.22.1.1 in page 112]

Under centralized scheduling, the RS may inform the MR-BS about the required bandwidth to broadcast the customized MOB_NBR-ADV by transmitting a RS BR header. The RS shall transmit the MOB_NBR-ADV at the region specified in RS_BW-ALLOC IE.