Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**Fix for MAC management message**
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Re:	Contribution on comments to P802.16g-D1
Abstract	In this contribution, we propose to amendment the definition of MAC management messages
Purpose	Adoption
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Fix for MAC management message

1. Introduction

In the current baseline document, there have some MAC management massage definition. The NTF_IE_REQ message which sent by MS need an effective control mechanism that can reduce the lavishness in air link.

This contribution proposes to add a backoff timer in the NTF_IE_RSP message, to tell the MS never send it again or send it after a long backoff.

It also fixes the description in Response timeout IE which is included in NTF_IE_REQ message.

2. Proposed Text Changes

6.3.2.3.72.5 Notify IE Request message (NTF_IE_REQ)

MS uses the NTF_IE_REQ message to query information on the BS by describing by one or more IEs. The NTF_IE_REQ message is sent from the MS to the BS on the MS's primary management connection.

Table 108aj—Notify IE Request (NTF_IE_REQ) message format

Syntax	Size	Notes
NTF_IE_REQ_Message_Format() {		
Management message type = 206	8 bits	
Transaction ID	8 bits	

Response timeout	8 bits	Number of frame x 5 by which the sender expects to receive a corresponding NTF_IE_RSP message with either a success or error RSP status. ~~If this value is set to 0, the sender does not require a response and the receiver will not issue one.~~ It shall not be set to 0.
TLV Encoded Information	variable	
}		

Parameters shall be as follows:

> **Transaction id**
>> A unique sequential identifier of the transaction set by the initiator.
>
> **Response timeout**
>> Number of frames x 5 by which the sender expects to receive a corresponding NTF_IE_RSP message with either a success or error RSP Status. ~~If this value is set to 0, the sender does not require a response and the receiver will not issue one.~~ It shall not be set to 0. ~~-~~

…

6.3.2.3.72.6 Notify IE Response message (NTF_IE_RSP)

The NTF_IE_RSP message is sent by the ~~SS~~ BS in response to NTF_IE_REQ containing the results of the information elements sent in the corresponding NTF_IE_REQ. The NTF_IE_RSP message is sent from the BS to the SS on the primary management CID.

Table 108ak—Notify IE Response (NTF_IE_RSP) message format

Syntax	Size	Notes
NTF_IE_RSP_Message_Format() {		
Management message type = 207	8 bits	
Transaction ID	8 bits	
RSP Status	8 bits	Allowed values are: 0 - success 1 - Error Response timeout too short 2 - Error TLV

Backoff Timer	8 bits 4	Backoff Timer is used by the BS to prevent the MS from sending another NTF_IE_REQ message before N frames. N shall be set to value of Backoff Timer x 10. If Backoff Timer is set to 0xFF, the MS shall not send the NTF_IE_REQ again.
TLV Encoded Information	variable	
}		