

Project	IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>	
Title	Proposal for adding the NTF_CAPABILITY TLV	
Date Submitted	2006-3-9	
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Re:	Contribution to IEEE 802.16g	
Abstract	This contribution proposes to add the NTF_CAPABILITY TLV for the BS to control MS's notification capability.	
Purpose	Adoption	
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Proposal for adding the NTF_CAPABILITY TLV

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Introduction

This contribution proposes to add the NTF_CAPABILITY TLV. It provides a mechanism for the BS to control the MS whether to send the NTF_IE_REQ message.

Proposed Text

[Modified text is in red]

6.3.2.3.72 Management Signaling Messages

The following messages may be used to query and set the information elements (IE) on the SS/MS by the BS or to notify the information to the BS by the SS/MS. ~~These messages shall only be used to query or set IEs that are indicated in the table A1. The table A1 explicitly indicates the type of operation that can be performed on a particular IE.~~

6.3.2.3.72.3 Set IE Request message (SET_IE_REQ)

BS uses the SET_IE_REQ message to set information on the SS describing by one or more IEs. SS uses the SET_IE_REQ message to notify or alert the BS of an event or error condition. The SET_IE_REQ message is sent from the BS to the SS or from the SS to the BS on the SS's primary management CID.

...

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 SET_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

The SET_IE_REQ shall include the following parameters encoded as TLV Tuples:

NTF_CAPABILITY (see 11.20.1)

HMAC/CMAC Tuple (see 11.12)

The HMAC/CMAC Tuple shall be the last attribute in the message.

[insert new section 11.20 as following]

11.20 SET_IE_REQ message encoding

11.20.1 NTF_CAPABILITY

This IE allows the BS to control whether the MS can send the NTF_IE_REQ message.

Type	Length (Bit)	Value	Scope
Xx	1	0: disable 1: enable	SET_IE_REQ