IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>

Title	**Incorporating EAP Transfer Request and Response into One**
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Re:	Recirculation Ballot #14c Announcement

Abstract	802.16e MAC is not cognizant of EAP messages' specific details including message type, it's appropriate to incorporate EAP Transfer Request and Response into EAP Transfer message.

Purpose	Discuss and Adopt as the baseline text

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1. Incorporating EAP Transfer Request and Response into One

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1. Problem Statements

IEEE 802.16e MAC is not cognizant of EAP messages' specific details including message type. EAP messages are transparently transported between MSS and BS without realizing EAP message direction. Therefore, it's appropriate to incorporate EAP Transfer Request and Response messages into one EAP Transfer message.

2 Proposed Changes

[Change into the following:]

6.3.2.3.9 Privacy key management (PKM) messages (PKM-REQ/PKM-RSP)
[Inset the following rows into Table 26 in section 6.3.2.3.9, and change the last line in the table:]

Table 28a – PKM Message codes

	PKM Message Type	MAC Message Type
13	EAP Transfer ~~Request~~	PKM-REQ/PKM-RSP
~~14~~	~~EAP Transfer Reply~~	~~PKM-RSP~~
15	EAP Establish-Key Request	PKM-REQ
16	EAP Establish-Key Reply	PKM-RSP
17	EAP Establish-Key Reject	PKM-RSP
18	EAP Establish-Key Confirm	PKM-REQ

[Add the following to section 6.4.2.4.9:]
6.3.2.3.9.11 EAP Transfer ~~Request~~ message

When an MSS has an EAP message received from an EAP method for transmission to the BS or when a BS has an EAP message received from an EAP method for transmission to the MSS , it encapsulates it in an EAP Transfer ~~Request~~ message.

   Code : 13

Attributes are shown in Table 37a.

Table 37a-EAP Transfer ~~Request~~ attributes

Attribute	Contents

EAP Protocol	Contains the EAP Authentication data, not interpreted in the MAC

The EAP Payload field carries data in the format described in RFC2284bis (see section 4).

6.3.2.3.9.12 EAP Transfer Response message
When a BS has an EAP message received from an EAP method for transmission to the SS, it encapsulates it in an EAP Transfer Response message.

  Code: 14
  Attributes are shown in Table 39b.

Table 37b—EAP Transfer Response attributes

Attribute	Contents
EAP Payload	Contains the EAP authentication data, not interpreted in the MAC

The EAP Payload field carries data in the format described in RFC2254bis (or successor RFC) section 4.