	IEEE 802.16 Broadband Wireless Access Working Group <http: 16="" ieee802.org=""></http:>		
Title	PKM configuration settings in EAP Establish-Key Confirm message 2004-08-16		
Date Submitted			
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Re:	Recirculation Ballot #14c Announcement		
Abstract	PKM configuration settings defined for Auth Reply should also be applied to EAP Establish-Key Confirm message because Auth Reply and EAP Establish-Key Confirm is analogously quite similar.		
Purpose	Discuss and Adopt as the baseline text		
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# 1. Problem Statements

8 PKM timer values(or PKM configuration settings defined in 11.9.19 of REVd/D5) such as below listed in Table 1 may be contained in Auth Reply and override the default timer values. But EAP 9 authorization section of REVe/D4 does not specified this mechanics. With EAP authorization, PKM 10 timer values should be specified for EAP Establish-Key Confirm message in line with Auth Reply. 11

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### Table 1 PKM configuration settings

**PKM configuration settings in EAP Establish-Key Confirm** 

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SK Telecom

message

	Timer Value
1	Authorize wait timeout
2	Reauthorize wait timeout
3	Authorization grace time
4	Operational wait timeout
5	Rekey wait timeout
6	TEK grace time
7	Authorize reject wait timeout

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#### 2 Proposed Changes 14

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#### 16 [Change into the following:]

#### 17 6.3.2.3.9.16 EAP Establish-Key confirm message

18 The BS transmits the EAP Establish-Key-Confirm message as the third step in the 4-step sequence of establishing an AK after EAP-19 based authentication. The EAP Establish-Key confirm may also contain PKM configuration settings that override the default timer 20 values. Code: 18

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22 Attributes are shown in Table 37f. 23

## Table 37f—EAP Establish-Key Confirm attributes

Attribute	Contents
Nonce	Same values as in the Establish-Key Request
Key-Sequence-Number	Sequence Number for established AK
(one or more) SA descriptors	Each Compound SA-Descriptor attribute specifies an SAID and additional properties of the SA
PKM Configuration settings(optional)	PKM timer values

2004-08-17	IEEE C802.16e-04/249
HMAC-Tuple	The cryptographic hash for the message. The key used to generate the hash is the KCK (key confirmation key) as described in xx