Project	**IEEE 802.16 Broadband Wireless Access Working Group <http://ieee802.org/16>**
Title	**MAC version encoding TLV for .16j**
Date Submitted	**2006-11-07**
Source(s)	Mike Hart, Yuefeng Zhou, Sunil Vadgama Fujitsu Laboratories of Europe Ltd. Hayes Park Central Hayes, Middx, UB4 8FE, UK Voice: +44 20 8606 4523 Fax: +44 20 8606 4539 mike.hart@uk.fujitsu.com Chenxi Zhu Fujitsu Laboratories of America
Re:	Call for technical proposals 802.16j-06/027
Abstract	This contribution proposes a modification to the MAC support TLV to facilitate the MR-BS and RS to indicate that they are conformant with the IEEE 802.16j standard.
Purpose	For discussion and approval of inclusion of the proposed text into the P802.16j baseline document.
Notice	
Release	
Patent Policy and Procedures	

MAC version encoding TLV for .16j

Mike Hart, Yuefeng Zhou, Sunil Vadgama, Chenxi Zhu
Fujitsu Laboratories of Europe Ltd & Fujitsu Laboratories of America

Introduction

In order to enable an RS to identify itself a change to the MAC version encoding TLV is required. A new value is proposed for the TLV that indicates the device is conformant with the IEEE Std. 802.16j, as well as IEEE Std. 802.16-2004 and IEEE Std. 802.16e-2005. This value will be used by the MR-BS and RS in the DCD and also by the RS when using the TLV in a RNG-REQ during network entry.

Due to the rules already defined in the standard this will not cause interoperability issues for the SS, it will continue to support one of the existing values when it uses the TLV in the RNG-REQ message.

Specific text changes

Change the table in subclause 11.1.3 as indicated:

Type	Length	Value	Scope
148	1	Version number of IEEE 802.16 supported on this channel. 1: Indicates conformance with IEEE Std 802.16-2001 2: Indicates conformance with IEEE Std 802.16c-2002 and its predecessors 3: Indicates conformance with IEEE Std 802.16a-2003 and its predecessors 4: Indicates conformance with IEEE Std 802.16-2004 5: Indicates conformance with IEEE Std 802.16-2004 and IEEE Std 802.16e-2005 6: Indicates conformance with IEEE Std 802.16-2004, IEEE Std 802.16e-2005 and IEEE Std 802.16j-xxxx ~~5~~6~~7~~-255: *Reserved*	PMP: DCD, RNG-REQ MESH: REG-REQ, REG-RSP