

Project	<b>IEEE 802.16 Broadband Wireless Access Working Group</b> < <a href="http://ieee802.org/16">http://ieee802.org/16</a> >	
Title	<b>Action Item from Session #48: Defining ExChNr</b>	
Date Submitted	<b>2007-07-09</b>	
Source(s)	Paul Piggin NextWave Broadband Inc. 12670 High Bluff Drive San Diego CA 92130 USA	Voice: 1 858 480 3100 Fax: 1 858 480 3105 ppiggin @ nextwave.com
Re:	IEEE 802.16h-07/013 Task Group Review of P802.16h/D2b.	
Abstract	This document contains proposed editorial and technical changes to address the Action Item assigned to the author at Session #48. The aim is to provide clarification for the use of ExChNr.	
Purpose		
Notice	<i>This document does not represent the agreed views of the IEEE 802.16 Working Group or any of its subgroups. It represents only the views of the participants listed in the "Source(s)" field above. It is offered as a basis for discussion. It is not binding on the contributor(s), who reserve(s) the right to add, amend or withdraw material contained herein.</i>	
Release	The contributor grants a free, irrevocable license to the IEEE to incorporate material contained in this contribution, and any modifications thereof, in the creation of an IEEE Standards publication; to copyright in the IEEE's name any IEEE Standards publication even though it may include portions of this contribution; and at the IEEE's sole discretion to permit others to reproduce in whole or in part the resulting IEEE Standards publication. The contributor also acknowledges and accepts that this contribution may be made public by IEEE 802.16.	
Patent Policy	The contributor is familiar with the IEEE-SA Patent Policy and Procedures: < <a href="http://standards.ieee.org/guides/bylaws/sect6-7.html#6">http://standards.ieee.org/guides/bylaws/sect6-7.html#6</a> > and < <a href="http://standards.ieee.org/guides/opman/sect6.html#6.3">http://standards.ieee.org/guides/opman/sect6.html#6.3</a> >. Further information is located at < <a href="http://standards.ieee.org/board/pat/pat-material.html">http://standards.ieee.org/board/pat/pat-material.html</a> > and < <a href="http://standards.ieee.org/board/pat">http://standards.ieee.org/board/pat</a> >.	

## Action Item from Session #48: Defining ExChNr

Paul Piggin  
NextWave Broadband Inc.

### Overview

This contribution addresses an action item assigned to the author at Session #48 concerning the clarification for the use of *ExChNr* in sub clauses 6.4.2.1 of [1].

The action item states:

*Replace the ExChNr by center frequency and also add a new parameter to define the channel bandwidth.*

The solution is:

To define *ExChNr* as a 16bit channel reference number defined by service provider or regulator.

### Specific editorial changes

This section provides a list of changes to IEEE P802.16h/D2 document [1].

Blue underlined text represents specific editorial additions.

~~Red strikethrough~~ text is to be deleted.

Black text is text already in the draft.

***Bold italic*** text is editorial instructions to the editor.

***Make the following changes to 8.4.5.3.30 in [1]:***

<del>Center Frequency</del>	<del>16 bits</del>	<del>in kHz (8.5.1.2)</del>
<u>ExChNr</u>	<u>16 bits</u>	<u>(8.5.1.2)</u>

*Delete the text in sub clause 8.5.1.2 in [1] and replace with the following:*

**8.5.1.2 Extended Channel Number for non-exclusively assigned and non-exclusively licensed bands below 11 GHz**

An Extended Channel Number (*ExChNr*) provides an enhancement to the definition for *Channel center frequency* given in section 8.5.1.1. This extension provides channel references beyond 5-6GHz. *ExChNr* is a 16 bit logical channel reference defined by service provider or regulator and provisioned by the equipment manufacturer.

**References**

[1] IEEE P802.16h/D2a: *Air Interface for Fixed Broadband Wireless Access Systems Improved Coexistence Mechanisms for License-Exempt Operation*, Draft Standard.