

Project	<b>IEEE 802.16 Broadband Wireless Access Working Group</b> < <a href="http://ieee802.org/16">http://ieee802.org/16</a> >	
Title	<b>LDPC Support in IEEE802.16e</b>	
Date Submitted	<b>2005-01-10</b>	
Source(s)	Min-seok Oh Kyuhyuk Chung Kihyoung Cho  LG Electronics. Inc.  533 LG R&D Complex Hogue-dong Dong-An-gu Anyang-shi Kyunggido Korea	Voice: 82-31-450-2945 Fax: 82-31-450-7912 <a href="mailto:{minoh,kyuhyuk,kihyoung}@lge.com">mailto: {minoh,kyuhyuk,kihyoung}@lge.com</a>
Re:	IEEE P802.16-REVe/D5a, BRC	
Abstract	In this contribution, some schemes for LDPC are provided to complete LDPC in IEEE802.16e.	
Purpose	Complete the LDPC in IEEE802.16e.	
Notice	This document has been prepared to assist IEEE 802.16. It is offered as a basis for discussion and is not binding on the contributing individual(s) or organization(s). The material in this document is subject to change in form and content after further study. The contributor(s) reserve(s) the right to add, amend or withdraw material contained herein.	
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 and Procedures	The contributor is familiar with the IEEE 802.16 Patent Policy and Procedures < <a href="http://ieee802.org/16/ipr/patents/policy.html">http://ieee802.org/16/ipr/patents/policy.html</a> >, including the statement "IEEE standards may include the known use of patent(s), including patent applications, provided the IEEE receives assurance from the patent holder or applicant with respect to patents essential for or compliance with both mandatory and optional portions of the standard." Early disclosure to the Working Group of patent information that might be relevant to the standard is essential to reduce the possibility for delays in the development process and increase the likelihood that the draft publication will be approved for publication. Please notify the Chair < <a href="mailto:chair@wirelessman.org">mailto:chair@wirelessman.org</a> > as early as possible, in written or electronic form, if patented technology (or technology under patent application) might be incorporated into a draft standard being developed within the IEEE 802.16 Working Group. The Chair will disclose this notification via the IEEE 802.16 web site < <a href="http://ieee802.org/16/ipr/patents/notices">http://ieee802.org/16/ipr/patents/notices</a> >.	

## **LDPC Support in IEEE802.16e**

*Min-seok Oh, Kyuhyuk Chung, and Kihyoung Cho*  
*LG Electronics, Inc.*

### **1. Introduction**

In the document, P80216e\_D5a, the section for LDPC(Low Density Parity Check) code, which shows good performance, is specified, but the text is not complete yet. In this contribution, we propose some schemes to complete LDPC.

### **2. Proposed Changes**

TBD.