|  |  |
| --- | --- |
| Project | **IEEE 802.16 Broadband Wireless Access Working Group <**<http://ieee802.org/16>**>** |
| Title | **Overview of IEEE P802.16q Amendment Standard** |
| Date Submitted | **2013-05-14** |
| Source(s) | Jaesun Cha, Eunkyung Kim, Jae-joon Park, Hyun Lee, Kwangjae Lim, Sungcheol ChangETRI | E-mail: jscha@etri.re.kr \*<<http://standards.ieee.org/faqs/affiliationFAQ.html>> |
| Re: | Call for Contributions: Multi-tier Networks (16-13-0064-01-000q) |
| Abstract | This contribution proposes some AWD texts to desribe IEEE P802.16q amendment. |
| Purpose | To discuss and adopt the proposed texts in IEEE P802.16q AWD |
| Notice | *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. |
| 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:<<http://standards.ieee.org/guides/bylaws/sect6-7.html#6>> and <<http://standards.ieee.org/guides/opman/sect6.html#6.3>>.Further information is located at <<http://standards.ieee.org/board/pat/pat-material.html>> and <<http://standards.ieee.org/board/pat>>. |

# Overview of IEEE P802.16q Amendment Standard

Jaesun Cha, Eunkyung Kim, Jae-joon Park, Hyun Lee, Kwangjae Lim, Sungcheol Chang

ETRI

# Introduction

In this contribution, we provide an overview on 802.16q amendment standard and propose to add it into IEEE P802.16q AWD.

# Proposed Texts

----------------- Start of the text proposal --------------------------------------------------------------------------------------

[*Change subclause 1.9 on page 11 as follows:*]

**1.9 Support for Multi-tier Networks**

Multi-tier networks are an overlay deployment which consists of macro base stations and a variety of overlaid smaller base stations in order to further improve network capacity and efficiently manage radio resource. In multi-tier networks, coordination techniques between devices, between base stations across the multiple tiers, and between base stations in the same tier are important aspects of multi-tier network design to achieve system capacity enhancements and interference mitigation techniques across tiers are also critical to achieving the user throughput enhancements.

MAC/PHY protocol is enhanced throughout this standard to support efficient cooperation among base stations in multi-tier networks to enhance interference mitigation, mobility management, and base station power management. The management protocol between base stations and between base stations and mobile stations is improved to enable efficient cooperation and coordination. However, PHY layer of mobile stations has not been changed.

----------------- Start of the text proposal --------------------------------------------------------------------------------------