Project	IEEE 802.16 Broadband Wireless Access Working Group <**http://ieee802.org/16**>
Title	**MS HO between non-transparent centralized controlled RSs**
Date Submitted	2007-01-18

Source(s)	Ray-Guang Cheng National Taiwan University of Science and Technology 43, Sec. 4, Keelung Rd. Taipei, TAIWAN	Email: crg@mail.ntust.edu.tw Voice: +886-2-27376371
	Fang-Ching Ren, Chie-Ming Chou, Kun-Ying Hsieh ITRI, TAIWAN	Email: frank_ren@itri.org.tw
	David Comstock, John Lee, Zheng Shang, Jingning Zhu Huawei Technologies No.98, Lane91, Eshan Road, Shanghai, P.R.C	Email: dcomstock@huawei.com Voice: +1 858 735 9382
	Gang Shen, Kaibin Zhang, Shan Jin Alcatel-Lucent, Research & Innovation 388#, Ningqiao Road, Shanghai, P. R. C.	Email: gang.a.shen@alcatel-sbell.com.cn Voice: 86-21-50551240-8194 Fax: 86-21-50554554
	Yousuf Saifulah, Shasikant Maheswhari Haihong Zheng Nokia	
	Kanchei (Ken) Loa, Yi-Hsueh Tsai, Chih-Chiang Hsieh, Yung-Ting Lee, Hua-Chiang Yin, Shiann-Tsong Sheu, Frank C.D. Tsai, Youn-Tai Lee, Heng-Iang Hsu Institute for Information Industry 8F., No. 218, Sec. 2, Dunhua S. Rd., Taipei City, Taiwan.	Email: loa@iii.org.tw Voice: +886-2-2739-9616
	Hyunjeong Lee Wendy C. Wong Jerry Sydir Kerstin Johnsson Intel Corporation 2111 NE 25th Ave Hillsboro, OR 97124	E-mail: Hyunjeong.hannah.lee@intel.com Voice: +1-503-712-5131
	Hyunjeong Kang Sungjin Lee Hyoung Kyu Lim Jungje Son Rakesh Taori Samsung Electronics	E-mail: hyunjeong.kang@samsung.com
	Mo-Han Fong, Gamini Senarath, Peiying Zhu,	Email: mhfong@nortel.com Voice: +1 613 7658983

	Wen Tong Nortel 3500 Carling Avenue Ottawa, Ontario, Canada K2H 8E9	
Re:	Submitted in response to Call for technical proposals issued by IEEE 802.16j on 2006-12-12	
Abstract	This document provides the handover procedure and corresponding MAC management messages over relay links so that a legacy IEEE 802.16e MS can handover seamlessly within an IEEE 802.16j network.	
Purpose	This contribution is provided as input for the IEEE 802.16j amendment.	
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 <http://ieee802.org/16/ipr/patents/policy.html>, 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 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 <mailto:chair@wirelessman.org> 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 <http://ieee802.org/16/ipr/patents/notices>.	

1. Introduction

In this proposal, we propose text regarding to the MS centralized HO procedure for an MR network.

2. Proposed texts

--Start of text proposal--
6.3.22 MAC layer handover procedures
[Insert the following subclause and text into the end of section 6.3.22.4]
6.3.22.5 MS handover procedure involving RS
An MS, connected through an RS or MR-BS, shall follow the same procedures as described for an MS handover in section 6.3.22.2.

6.3.22.5.1 MS Movement among access stations with different preamble/FCH/MAP

    The fixed RS or nomadic RS shall relay HO related management messages between MS and MR-BS.