

Report from Usage Model Ad Hoc

IEEE 802.16 Presentation Submission Template (Rev. 8.3)

Document Number:

C802.16j-06/086

Date Submitted: 2006-07-20

7/20/06

Source:

Jerry Sydir (Ad Hoc chair)

jerry.sydir@intel.com

Venue:

Session #44 San Diego

Purpose:

Report Results from Ad Hoc meeting to resolve comments on usage models document.

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.

IEEE 802.16 Patent Policy:

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>>.

Technical Requirements Ad Hoc Meeting

Jerry Sydir (Ad Hoc Chair)

Ad Hoc Participants (1)

Lei Wang – NextWave
Yang-Seok Choi – Intel
Kenichi Mase – Nigata University
Eckhard Bogenfeld – DT
Akiyoshi Yagi – Mitsubishi
An Nguyen
Masahito Asa – Motorola
Roger Peterson – Motorola
David Steer – Nortel
Hyung Jgon Jeon – Posdata
Kyungtal Kim – NEC
Mark Austin – Ofcom
Yeongha Choi – Solid Technologies
Penny Stanton – IEEE
Terry Lingren – KTRC
Henry Chang – KTRC
Analrei Petrov – Conexant
Byoung-Jo Kim – ATT
Shyamal Ramachandran – Motorola
Young-il Kim – ETRI
Seungkwon Cho – ETRI
Pranav Dayal – Qualcomm
Byung-Jae Kwak – ETRI
Fang-Ching Ren - ITRI

Changhui Koo – Samsung
Young-Bae Ko – Ajou University
Hua-Chiang Yin – III
Yousef Saifullah – Nokia
HyunJeong Kang – Samsung
SungJin Lee – Samsung
John Lee – Huawei
David Comstock – Huawei
Tan Pek Yew – Panasonic
Hyan Lee – ETRI
Sungcheol Chang – ETRI
Koon Hoo Teo – Mitsubishi
Jinyun Zhang – Mitsubishi
Jeffrey Tao – CRC
Moo Ryang Jeong – DoCoMo
Shashikant Maheshwari – Nokia
Adrian Boariu – Nokia
K. Sivanesan – Samsung
D. K Basgeet – Toshiba
C. Lambiri – iDT
J. Simkiac – Xilinx
Guo Qiang Wang – Nortel
Jose Costa – Nortel
Matthew Sherman – BAE Systems

Ad Hoc Participants (2)

Kanchei Loa – III
Yung-Ting Lee – III
Youn-Tai Lee – III
Hyunjeong Lee – Intel
Tannerre Arnaunt – Thales
WernHo Sheen – ITRI
Tzu-Ming Lin – ITRI
Jen-Shun Tang – ITRI
Arvind Raghavan – ArrayComm
Torsen Fahldieck – Alcatel
Matty Levanda – WiNetworks
Junbae Ahn – Solid Technologies
Shu-Shaw Wang – Nokia
Shan Shan Xu – Intel
Nader Zein – NEC
Kenichi Nakamura – Fujitsu
Ted Kaplan – RKF
Yanghwan Jin – Chungman National University
Teck Hu – Siemens
Naftali Chayat – Alvarion
Ranga Reddy – US Army
Toshiyaki Kuze – Mitsubishi
Kenji Saito – KDDI
Wei-Peng Chen – Fujitsu

Kaixin Xu - SNT
Yongseok Park – Samsung
Keepesh Man Shrestha – Ajou University
Michelle Gang – Cisco
David Maidment – PicoChip
Scott Migaldi – Motorola
Peng-Yong Kong – I2R
Yuanyuan Wang – Huawei
Tae Jin Lee – Skku
Eric Whitehill – ITT
Huang Tin Choi – TTA
I-Kang Fu – ITRI
Ching-Tarng Hsieh - ITRI

Inputs to Ad Hoc

- Current harmonized draft (043)
- Contribution 081 “On Coverage Impact for RS Deployment”
 - no suggestions for modifications
- Contribution 055 “Support of MS-to-MS Communications Through RS”
- Shyamal Comments 3, 4, 5

Issues For Consideration

- Shyamal comment 3 – resolved / accepted
- Shyamal comment 4 – resolved / accepted
- Statement that rules out MS-RS-MS communication – Not Resolved
 - Shyamal comment 5
 - Contribution 055
 - Arguments captured in 043

MS-RS-MS Communication Final Options Considered

- Options considered:
 - Leave sentence with editor's note that there is not consensus.
 - Modify sentence to the following: In some cases described in section 4, all data communications occur between the MMR-BS and MSs through zero or more RSs, while in other cases data communications can occur between MSs through one or more RSs without passing through an MMR-BS.
- Straw poll results were 25 to 26. No clear consensus was reached.
- Ad hoc was not able to recommend a change to the current document.

Ad Hoc Results and Recommendation

- Ad Hoc generated new version of the contribution (C80216j-06_043r3) based on resolutions of the two comments.
- Recommendations to the TG
 - Adopt C80216j-06_043r3 as baseline.
 - Resolve issue of MS-RS-MS communication in the TG meeting.