| Project | IEEE 802.20 Working Group on Mobile Broadband Wireless Access  
http://grouper.ieee.org/groups/802/20/ |
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<td>Title</td>
<td>MBTDD 625k-MC Mode (BEST-WINE) Technology Proposal Overview</td>
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<td>Date Submitted</td>
<td>2006-JAN-06</td>
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</table>
| Source(s) | Radhakrishna Canchi  
KYOCERA TELECOM.RESEARCH.Corp.  
2480 N. First Street #280  
San Jose, CA 95131  
Kazuhiro Murakami  
2-1-1 Kagahara, Tsuzuki-ku,  
Yokohama, KANAGAWA 224-8502, JAPAN  
Minako Kithara  
2-1-1 Kagahara, Tsuzuki-ku,  
Yokohama, KANAGAWA 224-8502, JAPAN  
Voice: +1-408-952-4701  
Fax: +1-408-954-8709  
Email: cradhak@ktre-na.com  
Voice: +81 45 943 6130  
Fax: +81 45 943 6175  
Email: kazuhiro_murakami@csg.kyocera.co.jp  
Voice: +81 45 943 6102  
Fax: +81 45 943 6175  
Email: minako.kitahara.nf@kyocera.jp |
| Re: | MBWA Call for Proposal |
| Abstract | This document presents the Summary Classification Statement + Technology Overview + Draft Technology Specifications for the MAC and the PHY layer of the of IEEE 802.20 MBWA |
| Purpose | To discuss and Adopt BEST-WINE for Draft Specifications of IEEE802.20 MBWA |
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MBTDD 625k-MC Mode
(BEST-WINE: Broadband Mobile Spatial Wireless Internet Access)
Technology Overview

IEEE 802.20 Plenary Meeting
Hawaii
January 16-19, 2006
MBTDD 625k-MC Introduction

- BEST-WINE proposal is merged with Revised QTDD. This Merged TDD Proposal is MBTDD
- In MBTDD BEST-WINE is renamed as 625k-MC (625kiloHertz-spaced MultiCarrier) Mode.
- This presentation describes only changes in the revised 625k-MC Technology Overview document: IEEE C802.20-05/75r1
Changes in IEEE C802.20-05/75

- Revised Document IEEE C802.20-05/75r1 describes only Technology Overview of 625k-MC mode of MBTDD with Editorial Changes

- Summary Classification of 625k-MC is in IEEE C802.20-06/03: MBTDD Proposal: Package Index and Summery Classification Statement

- 625k-MC mode Draft Air Interface Specifications are in IEEE C802.20-06/04: MBFDD and MBTDD: Proposed Air Interface Specifications
Changes in 625k-MC Draft Specification
IEEE C802.20-06/04

- Draft Specification is expanded to highlight enhancements to Base Line Specifications of HC-SDMA wherever necessary
- Enhanced Specifications:
  - Modulation Coding: ModClass 9 & 10 – Chapter 17
  - QoS enhancements
  - Broadcast MultiCast Service
  - AES Specifications
  - Minimized RMU Headers
  - Sleep Mode Control
- MIB Section is Added: Chapters 28 and 29