Progress of TC5/WG3 of CCSA

CCSA, China
March 17, 2008
CCSA

- Full Name: China Communications Standards Association.
- A non-profit national communications standard organization.
- Founded in Dec 2002, on the basis of the former standard study groups in China.
- Has Developed the most majority of standards in communication industry.
- http://www.ccsa.org.cn
Technical Committee

- TC1: IP and Multimedia Technical Committee
- TC2: Mobile Internet Application Protocol Special Group
- TC3: Network and Switching Technical Committee
- TC4: Communication Power Supply and Station Operation Environment Technical Committee
- TC5: Wireless Communication Technical Committee
- TC6: Transport network and access network Technical Committee
- TC7: Network Management and Operation Support Technical Committee
- TC8: Network and Information Security Technical Committee
- TC9: Electromagnetic Environment and Protection Technical Committee
TC5 consists of several working groups:

- **WG3: Wireless Access**
- WG4: cdmaOne & CDMA2000
- WG5: Wireless Security
- WG6: Beyond 3G
- WG7: Mobile Services and Applications
- WG8: Spectrum
- WG9: TD-SCDMA/WCDMA Workgroup (original WG1, WG2 merged into WG9 in August 2005)
WG3 overview

- **Focus:**
  - WiMAX
  - Wi-Fi
  - Near range communication: UWB, Zigbee, RFID, NFC...
  - SCDMA

- **Members:**
  - R&D institute
  - Manufacturer
  - Network operator
  - University
  - Joint venture
  - ...

- **Chairs**
  - Chair: Dang Meimei from CATR
  - Vice Chair:
    - Cong Yuandong from SRMC
    - Wang YanHong from HuaWei
    - Xu Ling from ZTE
Research of WiMAX in TC5/WG3(1/2)

- Standards Reports based on 802.16d (finished)
  - Technical Requirements of Fixed Wireless Access Equipment Based on 802.16 --Air-interface
  - Test Specification for Air-interface of Fixed Wireless Access Equipment Based on 802.16
  - Technical Requirements of Fixed Wireless Access Equipment Based on 802.16 --Base Station
  - Technical Requirements of Fixed Wireless Access Equipment Based on 802.16--Remote Station
  - Test Specification for Broadband Fixed Wireless Access Equipment Based on 802.16--Base Station
  - Test Specification for Broadband Fixed Wireless Access Equipment Based on 802.16--Remote Station
Research of WiMAX in TC5/WG3(2/2)

- Research based on 802.16e (ongoing)
  - Technical Requirements of Air-interface based on 802.16e
  - Technical Requirements of mobile Wireless Access Equipment Based on 802.16e -- Base Station
  - Technical Requirements of mobile Wireless Access Equipment Based on 802.16e -- Subscriber Station
  - Technical Requirements of mobile Wireless Access Equipment Based on 802.16e -- Networks

- New item
  - Multi-cast Broad-cast Services (based on 1.x)
  - WiMAX Location Based Service (based on 1.x)
  - Frequency Reuse Study of WiMAX
Research of WiMAX related with other WGs

- WG8-WG3
  - Coexistence between WiMAX and other systems
- WG9-WG3
  - Inter-working between WiMAX and 3GPP system
Thanks!

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