Progress of TC5/WG3 of CCSA

CCSA, China
November 11, 2005
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.cccs.org.cn
Technical Committee

- TC1: IP and Multimedia Technical Committee
- TC2: Mobile Internet Protocol Special Group
- TC3: Network and Switching Technical Committee
- TC4: Communication Power Supply Technical Committee
- TC5: Wireless Communication Technical Committee
- TC6: Transport and access network Technical Committee
- TC7: Network Management Technical Committee
- TC8: Network and Information Security Technical Committee
Wireless Communication Technical Committee

- It consists of several working groups:
  - WG1: IMT-2000 RAN
  - WG2: GSM & UMTS Core Network
    - WG1&WG2 have merged, NEW WG is WG9
  - WG3: Wireless Access
  - WG4: CDMAOne & CDMA2000
  - WG5: Wireless Security
  - WG6: Beyond 3G
  - WG7: Mobile Services and Applications
  - WG8: Spectrum
  - AH2: InterOperability Test
Members of TC5/WG3

- Chair: Dang Meimei, Vice chair: Dong Xiaolu
- Members:
  - R&D institute
  - Manufacturer
  - Network operator
- Observers:
  - Foreign company
  - Foreign-investment company
  - University
  - Joint venture
  - ...
- More than 40 members active in TC5/WG3.
Research of BWA in TC5/WG3

- 4 industrial standards are ongoing
  - Technical Requirements of Fixed Wireless Access Equipment Based on 802.16 --Air-interface
    - By the end of Q1 2006
  - Test Specification for Air-interface of Fixed Wireless Access Equipment Based on 802.16
    - By the end of Q1 2006
    - According to the TSS&TP in WIMAX
  - Technical Requirements of Fixed Wireless Access Equipment Based on 802.16 --Base Station
    - By the end of this year
  - Technical Requirements of Fixed Wireless Access Equipment Based on 802.16--Remote Station
    - By the end of this year
Research of BWA in TC5/WG3

- 3 industrial standards will launch in Q1, 2006
  - Test Specification for Base Station of Fixed Wireless Access Equipment Based on 802.16
  - Test Specification for Remote Station of Fixed Wireless Access Equipment Based on 802.16
  - Technical Requirements of mobile Wireless Access Equipment Based on 802.16 --Air-interface
Research of BWA in TC5/WG3

- Pre-standard study of network structure will be finished by the end of this year
  - Basically according to the WIMAX NWG’s work
  - WG3 will discuss how to meet the requirement of the Chinese market in the core network level.
    - Such as the interworking with WLAN, 3G etc.
  - Perhaps will submit the contributions to WIMAX by the member of the WIMAX Forum based on the study within the WG3
Research of BWA in TC5/WG3

- Study of frequency sharing of wireless access systems based on the 802.16-2004
  - Almost finished the study on the 3.3-3.4GHz (only TDD mode)
Other items in WG3

- WLAN
  - Almost finished the WLAN Standards series
  - Now discussing the WLAN QoS
- UWB
  - Finished the technical report of high rate UWB
  - Started the technical report study of low rate UWB, based on the 802.15.3 and 802.15.3a
Activities of 802.16 in China

- Trial network
  - Some operator has started to deploy the technical trial networks in 3.5GHz
- WIMAX Forum plenary session was held in China
- CATR hosted the 2nd plugfest of WIMAX Forum.
RITT, CATR playing the important role in CCSA/TC5

- The chair of TC5 is from CATR
- The vice chair of TC5 is from RITT, CATR
- All the chairs of WGs except WG8 (we got the vice chair) are from RITT.
- Hope to get the further cooperation
  - Between IEEE802.16WG and CCSA/TC5/WG3
  - Between companies and RITT, CATR
www.cccsa.org.cn
www.catr.com.cn
Thanks!

Dongxiaolu@mail.ritt.com.cn