



Progress of TC5/WG3 of CCSA

CCSA,China

November 11, 2005

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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>

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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
 - WG8: Spectrum
 - AH2: InterOperability Test

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Members of TC5/WG3

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

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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

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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

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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

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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)

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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

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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

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- 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

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- www.ccsa.org.cn
 - www.catr.com.cn



Thanks!

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