

# Progress of TC5/WG3 of CCSA

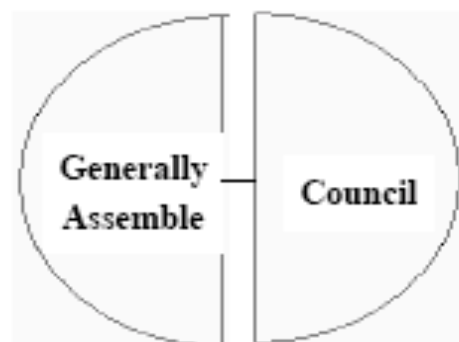
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CCSA,China

March 17, 2008

- ❑ 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>

# Organization Structure



Advisory Committee

Technical Management Committee

Technical Committee

Secretariat

General Office

Technology Department

Planning and Development Department

Standardization-promoting Department

External Communication Department

TC1 IP and Multimedia Communication Technical Work Committee

TC2 Mobile Internet Network Application Protocol Special Group

TC3 Network and Switching Technical Committee

TC4 Communication Power and Communication Station Working Environment Technology Committee

TC5 Wireless Communication Technical Committee

TC6 Transport and Access network Technical Committee

TC7 Network management and Operation Support Technical Committee

TC8 Network and Information Security Technical Committee

TC9 Electromagnetic Environment and Safety Safeguard Technical Committee

# Technical Committee

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- 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
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- 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
  - 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

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

# Thanks!

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