ITS standardization activities in China

Duo LIU
CCSA

中国通信标准化协会
China Communications Standards Association
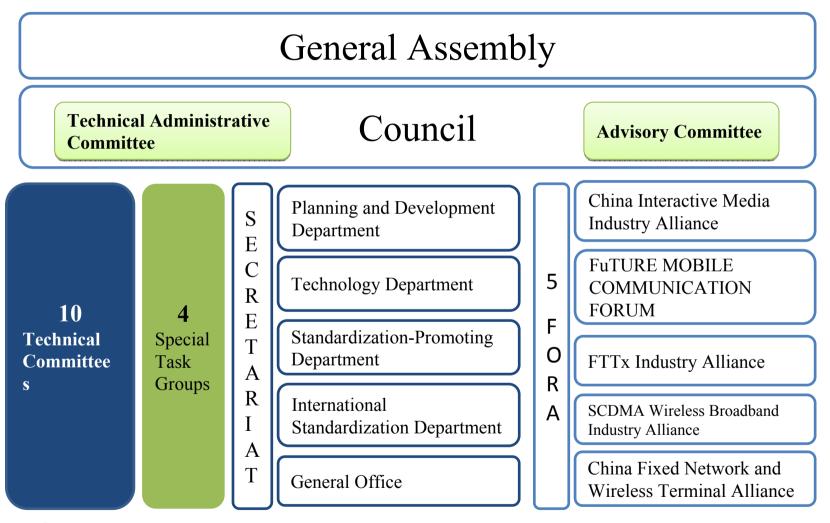
IoT Industry Status in China

- Chinese Government has designated a great importance to the development of the Internet of Things:
  - Premier Wen addressed the importance of Internet of Things in public for several times;
  - Internet of Things was listed as newly emerging industry, which will be strategically fostered as stated in "2010 Report on the Work of the Government ";
  - MIIT is drafting the development plan for the Internet of Things and facilitating the convergence of the Internet of Things with Internet and Mobile Internet.

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Organizational Structure of CCSA

General Assembly

Technical Administrative Committee   Council   **Advisory Committee**

10 Technical Committees

4 Special Task Groups

SECRETARIAT

- Planning and Development Department
- Technology Department
- Standardization-Promoting Department
- International Standardization Department
- General Office

5 FORA

- China Interactive Media Industry Alliance
- FuTURE MOBILE COMMUNICATION FORUM
- FTTx Industry Alliance
- SCDMA Wireless Broadband Industry Alliance
- China Fixed Network and Wireless Terminal Alliance

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Technical Bodies in CCSA

10 Technical Committees (TC)

TC1:	IP & Multimedia Communication
TC2:	Mobile Internet Application Protocol
TC3:	Network and Switching
TC4:	Communication Power Supply & Station Operational Environment
TC5:	Wireless Communication
TC6:	Transport & Access network
TC7:	Network management & Operation Support
TC8:	Network & Information Security
TC9:	Electromagnetic Environment & Protection
TC10:	**Ubiquitous Network (UN)**
TC11:	Mobile Internet

4 Special Task Groups (STG)

STG1: Home Network

STG2: Energy Saving and Comprehensive Utilization of Telecommunication Products

STG3: Emergency Communication

STG4: Telecommunication Infrastructure Construction

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TC10 of CCSA

[Overview]

Ubiquitous Network Technical Committee (TC10) was established on *February 2, 2010*:

- Ms. Duo LIU was elected as the Chairperson;
- 50 members and 10 observers;

[Areas of Research and Standardization]

To carry out targeted standard studies on ubiquitous networks related technologies by establishing several project groups based on ubiquitous network-related businesses carried out by operators, technical solutions proposed by research institutes & manufactures and examples of informatization application for specific industry.

[Organizational Structure]

Five Working Groups:
WG1: General
WG2: Application
WG3: Network
WG4: Perception Extension
WG5: International Cooperation

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Role of Working Groups in TC10

WGs	Scope
WG1: General	Through the studies on standards system, focusing on researches and standardization on terminology, general requirements, framework and number addressing resolution, spectrum resources, security, QoS and management, etc..
WG2: Application	Focusing on researches and standardization on service applications and related middleware, etc..
WG3: Network	Focusing on standardization on service capability layer in the network, including optimization of existing networks, interaction and collaborative work among heterogeneous networks, etc..
WG4: Perception Extension	Focusing on researches and standardization on front accessing for information collection, as well as related network technologies, emphasizing on solving problems on information collection and transmission among various sensing nodes via various information collection technologies (including sensors, RFID, NFC etc.) in networks with diversified forms.
WG5: International Standards Cooperation	Focusing on cooperation with international SDOs on Ubiquitous network area and submitting related contributions to these SDOs

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Documents in CCSA

- **YDB 064-2011 Vehicle Telematic Service Requirement and General Framework"**

  – Published in Feb,2011

- **General Architecture of Intelligent Transportation System Based on Ubiquitous Networks**

  – Ongoing

- **General Technical Requirements of Vehicle Networking**

  – Ongoing

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Cooperation

- CCSA had signed a MoU with TC-ITS of China(*www.**its**-standards.cn*) at May,2011.

- The two organizations will produce part of ITS standards- related to telecom - together.

- CCSA would like to share and contribute the ITS related standardization activities in ITU and ISO.

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Thanks
谢谢

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TC10 Web Page: http://www.ccsa.org.cn/english/tc.php?tcid=tc10

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