

REGIONAL STANDARDIZATION FORUM (RSF) FOR ASIA

Xi'an, China, 27 August 2018



Regional Standardization Forum
Emerging Economic,
Regulatory and Policy Trends
in a Fast-Changing Digital World

Xi'an, China, 27 August 2018

China's Participation in ITU-T Standardization Activities and Experience Sharing on BSG

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REGIONAL
GROUPS
1968-2018

Hosted by **CAICT**
中国信息通信研究院
China Academy of Information and Communications Technology



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- 1. Summary of Chinese members' participation in ITU-T study groups**
- 2. Challenges and problems faced by developing countries in ITU-T**
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ITU-T BSG is Very Important for Developing Countries



Awareness

Learn about Bridging the Standardization Gap



Know How

Develop the right skills for standards-making at ITU-T



Community

Join activities in the regions



Engagement

Participate in the standardization work of ITU-T



Partnering

Partner with us to help bridge the standardization gap



Oct.18, 2017, 1st ITU-T SG3 BSG Forum for Chinese Members held successfully in Beijing.

Chinese Members Continually Increase Participation in ITU-T

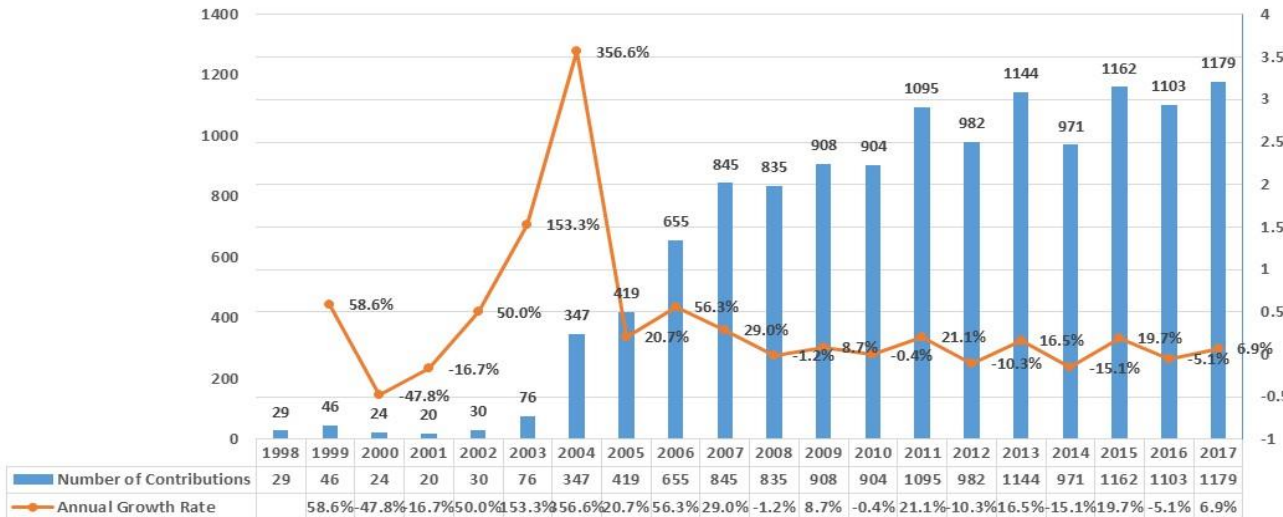
- Chinese members in ITU-T standardization activities include 14 Sector Members, 8 Associate Members and 9 Academia Members.
- In recent years, more and more Chinese members have applied to join ITU-T. In 2018, Sector Members has increased by 3, Associate Members increased by 4, and Academia Members increased by 2.
- From November 27th to 29th, 2017, the ITU Kaleidoscope Academic Conference co-hosted by ITU and Nanjing University of Posts and Telecommunications was successfully held in Nanjing.
- The new ITU-T members in China are not familiar with the working methods of ITU-T in standard activities, and the training needs for working methods and participation guidance are increasing.
- In 2017 and 2018, CAICT invited the Chinese employees in ITU-T TSB, Jacey Zhang and Xiaoya Yang, to hold training and workshops on the standardization work methods of ITU-T.



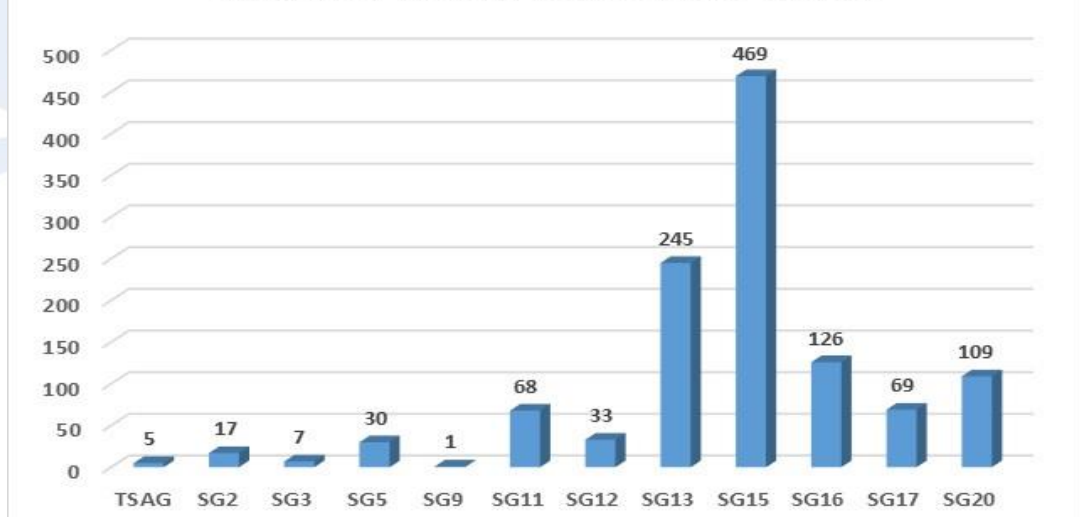
Analysis of Chinese Contributions to ITU-T Study Groups

- From 1998 to 2017, Chinese members submitted 12,774 contributions to ITU-T SGs totally.
- In 2004, the annually growth rate of contributions reached the highest. In 2011, the number of contributions exceeded 1,000.
- In the past three years, the number of contributions has been stable between 1100 to 1200.
- Analysis of the number of contributions submitted by Chinese members to ITU-T study groups in 2017, Chinese members are more active in SG15, SG13, SG16, SG20, SG17 and SG11.
- It is necessary to encourage Chinese members to strengthening the participation in TSAG, SG3 and SG5.

Chinese Contributions to ITU-T from 1998 to 2017

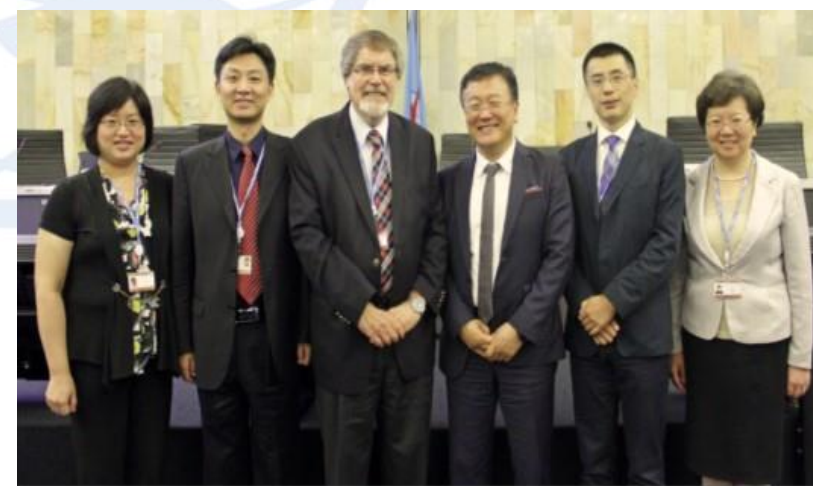


Number of Chinese Contributions in 2017



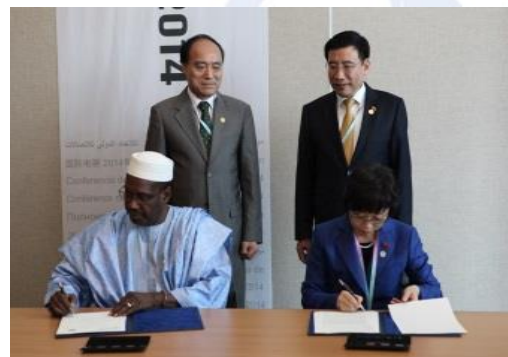
Status of Chinese Experts in the Leadships of ITU-T and ASTAP

- ❑ Chinese experts undertake 36 leaderships totally in the Study Groups of ITU-T and ASTAP (Asia-Pacific Telecommunication Standardization Forum), including 3 chairmen, 17 vice-chairmen, 16 Working Party chairmen and vice-chairmen.
- ❑ Chinese experts serve as 77 Rapporteurs and Associated Rapporteurs in ITU-T and ASTAP.



CAICT serve as the ITU C&I COE in Asia Pacific Region

- At the ITU Plenipotentiary Conference on October 27, 2014, ITU and CTTL (China Telecommunication Technology Laboratory) of CAICT, signed a MoU on ITU Conformance and Interoperability (C&I) Project.



- In 2015, CAICT officially became the ITU C&I Advanced Training Center (CoE), providing C&I training for ITU Member States during 2015-2018 four years.
- Three C&I training activities have been held in China, the participants from APT members increased dramatically.

1st C&I COE, Oct. 12th -16th , Beijing

2nd C&I COE, Oct. 17th -21th , Chongqing

3rd C&I COE, Oct. 30th –Nov. 3rd , Shanghai



CAICT is the Window of China on ICT International Cooperation

- CAICT is the most authoritative ICT research organization in China, providing strong support for the ICT industry's major strategies, policies, standards, testing and certification. In recent years, CAICT has carried out international cooperation with many Belt and Road Countries in ICT area, with the principle of mutual benefit and win-win.
- On March 17th, 2017, more than 50 high-level technical delegations such as CEOs and CTOs of Indian Internet companies visited CAICT. The two sides focused on the development and popularization of fixed and mobile services, Internet, broadband services, Internet regulatory policy etc., and their impact on economic growth.
- On August 8, 2017, Indonesia SDPPI signed a MoU with CAICT: In the next three years, the two sides will cooperate in sharing relevant certification information and technical knowledge, international standardization cooperation, providing training on standards, testing methods and technical solutions.



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Challenges Faced by Developing Countries in ITU-T Activities

- ❑ Global ICT services and technologies are undergoing rapid evolution. The Internet of Things, 5G and even 6G mobile communications, big data, block chain, artificial intelligence and other emerging fields are rapidly developing. In recent two years, ITU-T TSAG and Study Groups have established several new Questions and Focus Groups. Developing countries need to strengthen research investment in emerging services and technology area, and actively participate in ITU-T standardization activities;
- ❑ Some ITU-T Sector Members with leading positions in the global ICT industry have reduced their participation in ITU-T Study Groups in recent years. The technical capabilities of developing country experts cannot fully support the international standardization work of ITU-T. It is necessary to strengthen international cooperation and improve ability to develop more practical ITU-T International Standard Recommendation;
- ❑ The development of the open source communities has had a great impact on the traditional international standardization working methods. The developing countries lack of technical accumulation and practical experience in open source software development, trusting and relying on the ITU-T platform.

Problems Faced by Developing Countries in ITU-T Activities

- ❑ Many participants are unfamiliar with ITU-T's working rules and procedures, and it is recommended that ITU-T Regional Groups or Member States regularly organize training and experience exchange on ITU-T working methods and BSG;
- ❑ The ITU-T working method is more complicated. It is recommended that ITU-T members should research and improve the A.X series recommendations on working methods and procedures, improve efficiency, speed up the research and development of ITU-T Recommendations, in key and emerging technologies and services areas, and adapt to the ICT industry's work on national standardization requirement.

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Experience Sharing of Developing Countries in ITU-T Activities

- ❑ The Asia-Pacific region's ICT services and technology development have regional common requirements, and developing countries in the Asia-Pacific region should strengthen their focus on key areas such as the standardization requirements and resource advantages of ICT emerging technologies, services and infrastructure for interconnection and policy regulation. Investing in the use of ITU-T regional group and standardization forums, actively participate in ITU-T Study Group activities, strengthen bilateral and multilateral cooperation, and continuously improve the ability of international standardization;
- ❑ With the assistant of TSB's BSG project team and C&I project team, developing countries should continually strengthen the comprehensive capability building of international standardization experts team, focusing on the ability on ITU-T working methods, participation rules, contributions' submission, presentation, debate and compromise;
- ❑ ITU-T has established a number of excellent platforms for ICT international exchanges, such as WSIS, CTO meeting for sector members, Kaleidoscope conference for academia members and etc. Developing countries should actively organize and encourage members to participate and share ICT project experiences, for example, March 20th, 2018, ITU announced the WSIS awards: China Mobile's Precision Poverty Alleviation System (TPAS) won the highest award in the e-government project (Winner).

BSG's Know How: Developing the right skills



Strategy

Choosing the right strategy in line with key objectives is an essential part of preparing for ITU-T Study Group meetings.



Contribution

Drafting well structured and effective contributions including concrete proposals is a vital skill for maximizing effectiveness in ITU-T Study Groups.



Communication

Communicating and presenting effectively is a key skill for any delegate and the programme shares tips and techniques for presentations through interactive sessions.



Collaboration

Learning how to discuss proposals in a spirit of collaboration to achieve objectives is further covered in the training programme.



Consensus

Gaining support and building international consensus is a vital part of the ITU-T standards-making process and the training also covers these aspects.

Enhance International Cooperation on BSG

Thanks for your attention

Q & A ?