

# GISC 2025

Global ICT Standards Conference 2025

## CCSA Capability Building - to a Future-Oriented Standards Organization

NAN, Xinsheng  
Deputy Secretary-General, China Communications Standards Association (CCSA)

**ICT Standards and Intellectual Property:  
AI for All**

## China Communications Standards Association (CCSA)

- A national ICT SDO, established in 2002.
- A non-profit organization, joint efforts by manufactures, universities, research institutes and users for standards development.
- Following the Principle of "***Openness, Fairness, Justness and Consensus***".
- Seeking mutual promotion and harmonized development between domestic standards and international standards.



1,100+  
Members



21  
Standards R&D  
TC/ST/SP



7,000+  
Published  
Standards



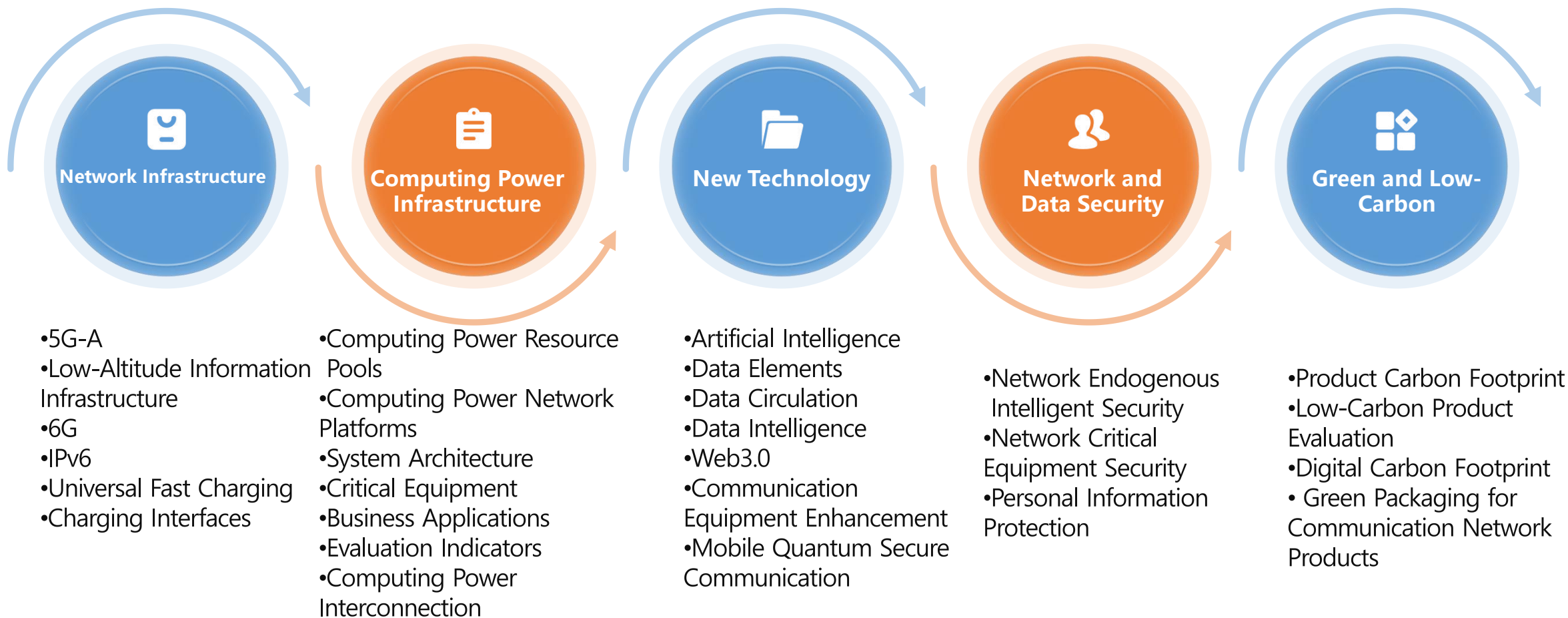
28  
Standards  
Promoting  
Committees

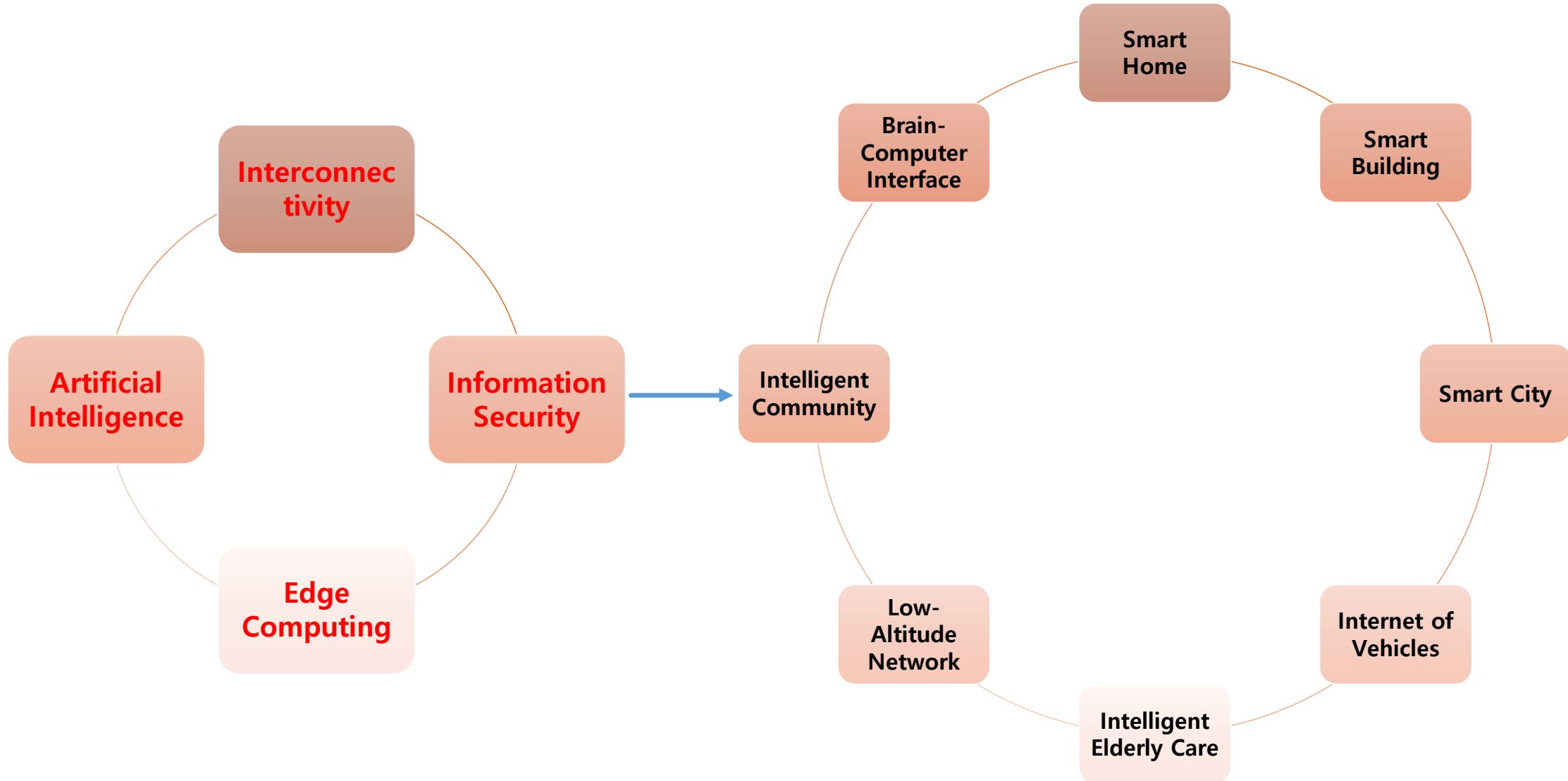


# 01 Capability of Responding to Market Demands



CCSA focuses on the following five areas to improve its standard system to adapt to the evolution and development of technologies.







China Household Electrical Appliances Association

CHEAA



China Advertising Association

CAA



China Iron and Steel Association

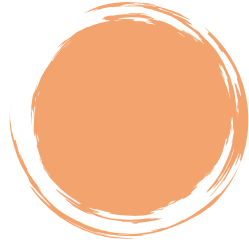
CISA



China Association of Building Energy Efficiency

CABEE

Cooperation



## New Working Groups

- **September 2024**

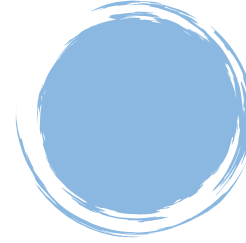
TC9: Working Group on Terminal Antennas and Electromagnetic Interference (WG5)

- **November 2024**

TC3: Working Group on Network Routing and Transmission Protocols (WG5)

- **December 2024**

TC12: Working Group on Satellite Relay and Computing (WG4)



## New Standards Promoting Committees

- **November 2024**

TC628: Digital Internal Control and Audit

- **November 2024**

TC629: Mobile Network Quality

- **December 2024**

TC630: Semantic Intelligent Simplified Communication Technology



## 02 Capability of Giving Play to The Principal Role of Enterprises

## Number of Meeting Participants

# 22,235

Number of  
Members

1,239

Number of  
Enterprise  
Member

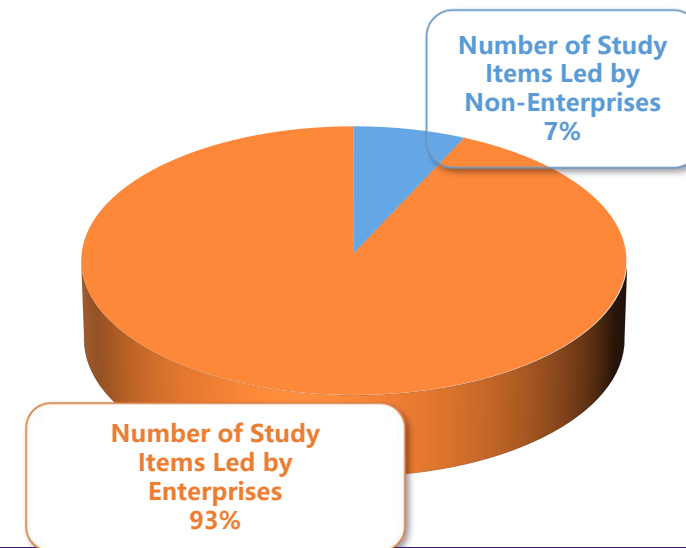
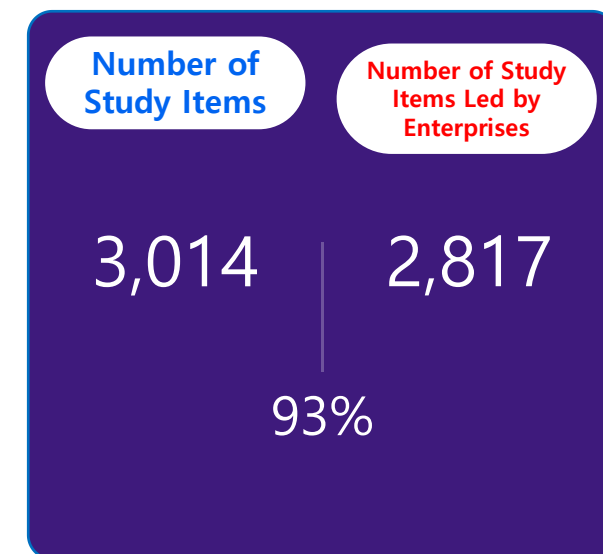
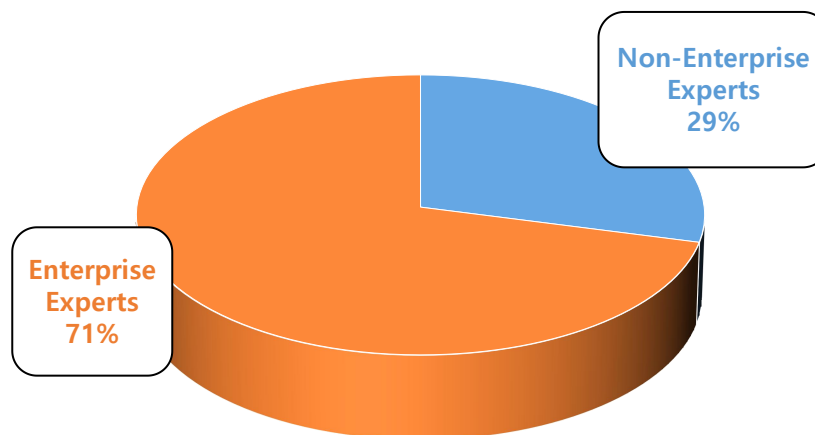
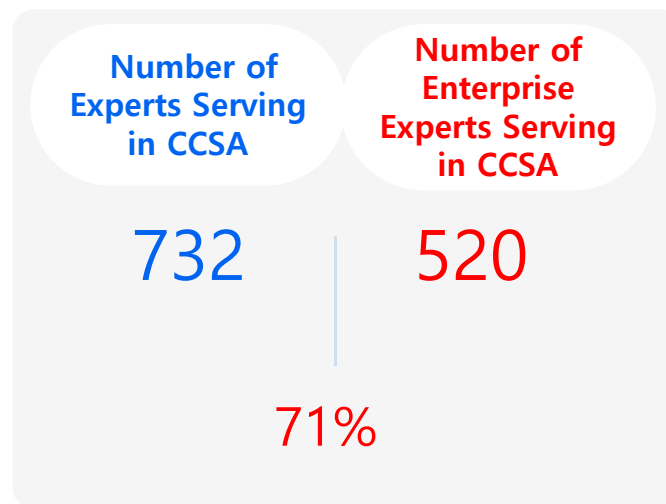
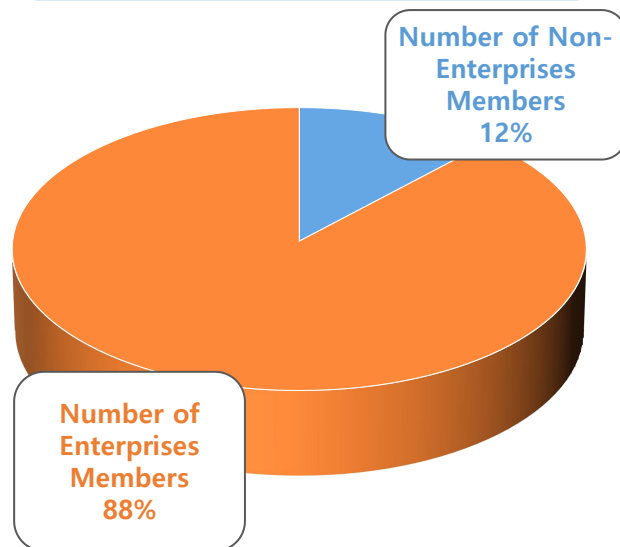
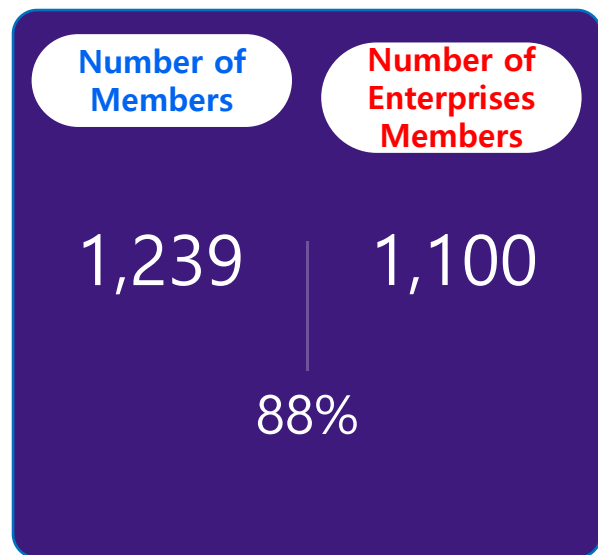
1,100

Number of  
Meetings

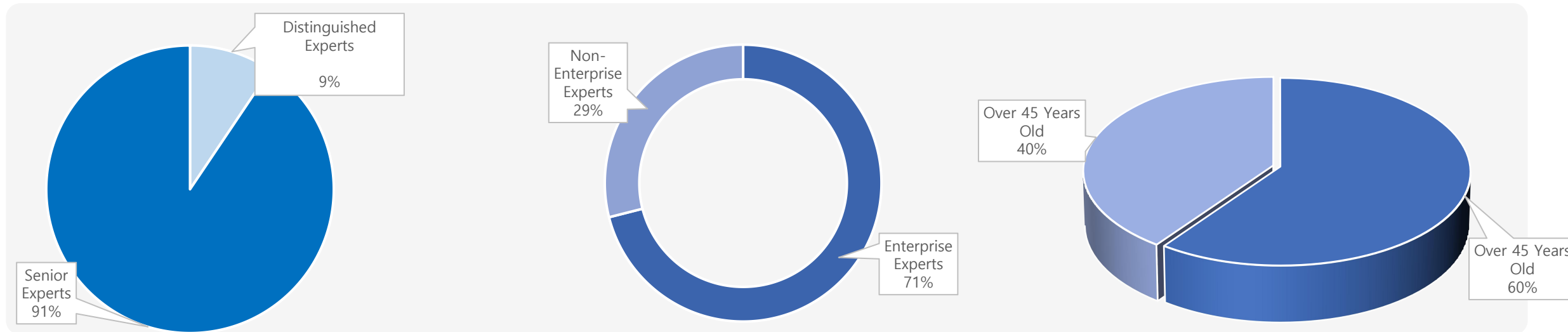
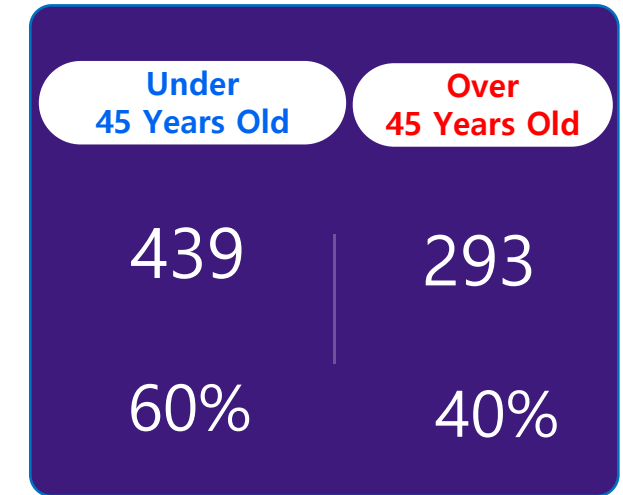
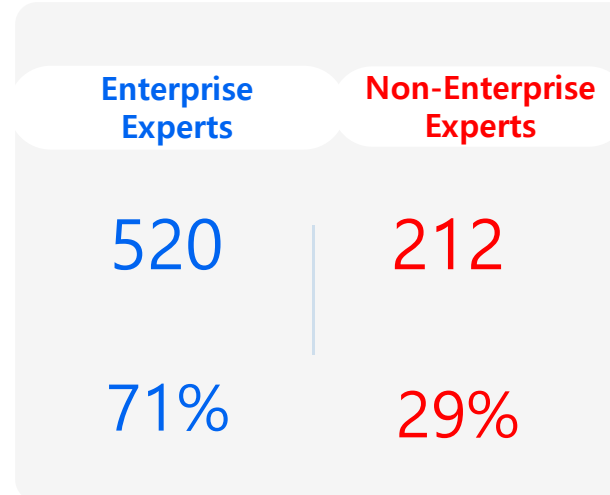
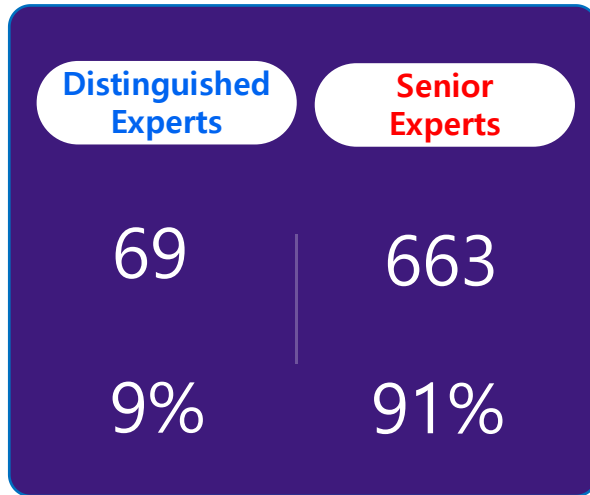
545

Number of  
Study Items

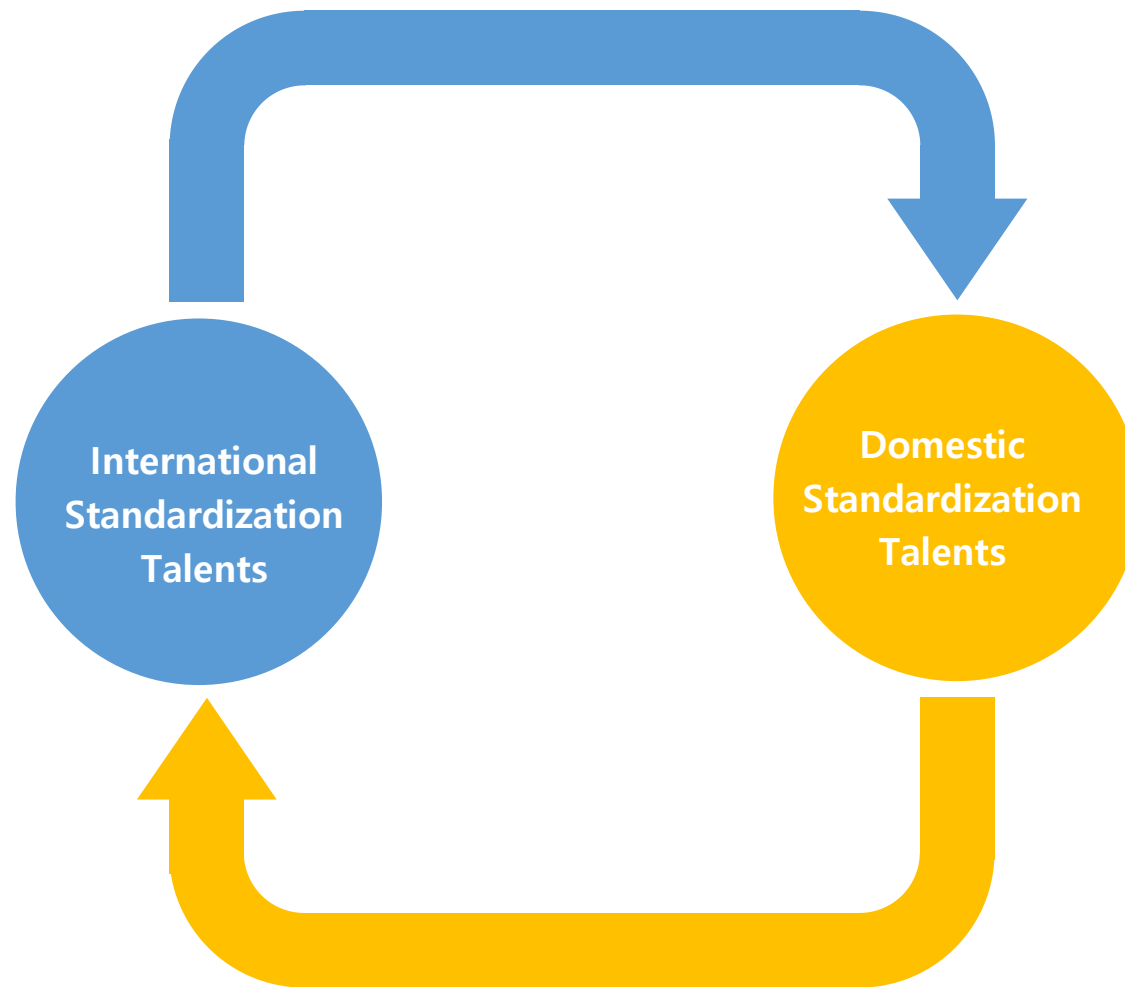
3,014



## 03 Capability to Cultivate Expert Teams







| ITU-T Study Group | Name        | CCSA Position                  |
|-------------------|-------------|--------------------------------|
| SG2 Vice Chair    | Deng Huan   | None                           |
| SG3 Vice Chair    | Wu Tong     | Chair, CCSA TC3/WG4            |
| SG5 Vice Chair    | Qi Shuguang | Chair, CCSA TC4/WG1            |
| SG11 Vice Chair   | Li Cheng    | Chair, CCSA ST3                |
| SG12 Vice Chair   | Yang Lei    | Vice Chair, CCSA TC11/WG1/SWG5 |
| SG13 Vice Chair   | Zhang Yuan  | Chair, CCSA TC3/WG1            |
| SG15 Vice Chair   | Zhang Fatai | Vice Chair, CCSA TC6           |
| SG17 Vice Chair   | Wei Liang   | Chair, CCSA ST10               |
| SG20 Vice Chair   | Luo Song    | Chair, CCSA TC10/WG1           |
| SG21 Chair        | Luo Zhong   | Former Chair, CCSA TC1/WG3     |
| SCV Vice Chair    | Cheng Ying  | Vice Chair, CCSA TC1/WG5       |

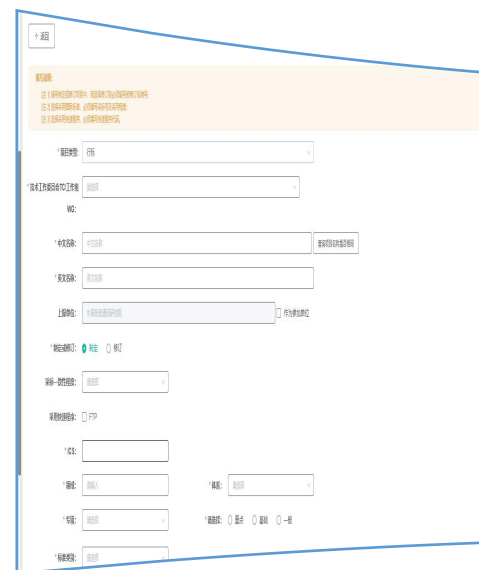
During 2025-2028 study period of ITU-T, almost all Chinese chairs/vice chairs of study groups are currently or have previously served in CCSA.

## 04 Capability of Improving Efficiency

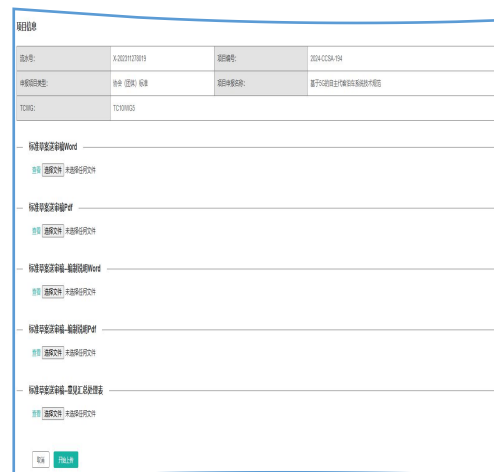
## Build an Efficient Information Exchange and Collaboration Platform



Website



Project  
Application



Documents  
Upload



Meeting  
Registration



Documents  
Download



# AI Empowers Standards Format Review

## Achievements

# One-click generation of standards with revision marks

|              |                                                                                                                                                                                                                                                                                                           |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 审核类别         | 审核要点                                                                                                                                                                                                                                                                                                      |
| 封面           | 检查是否具有标准的中文名称（同时后续需要和网站的名字进行核对保证草案和网站名称完全一致）                                                                                                                                                                                                                                                              |
| 封面           | 检查文件名称的英文译名是否与中文标题一致并检查准确性                                                                                                                                                                                                                                                                                |
| 封面           | 检查文件层次或文件类别：国家标准应为：中华人民共和国国家标准；行业标准应为：中华人民共和国通信行业标准；团体标准应为：团体标准                                                                                                                                                                                                                                           |
| 封面           | 检查右上角是否具有文件代号：国标应为：GB；行标应为：YD                                                                                                                                                                                                                                                                             |
| 封面           | 检查是否具有文件编号：国标为：GB/T XXXX-XXXX；行标为：YD/T XXXX-XXX；国标为：T/CCSA XXXX-XXXX                                                                                                                                                                                                                                      |
| 封面           | 检查左上角是否具有国际标准分类号(ICS号)                                                                                                                                                                                                                                                                                    |
| 封面           | 检查左上角是否具有中国标准文献分类号（CCS号）                                                                                                                                                                                                                                                                                  |
| 封面           | 检查是否有发布日期与实施日期（例如如下XXXX-XX-XX 发布、XXXX-XX-XX实施）                                                                                                                                                                                                                                                            |
| 封面           | 检查是否有发布机构：国标应为：国家市场监督管理总局和国家标准化管理委员会；行标应为：中华人民共和国工业和信息化部；国标应为：中国通信标准化协会                                                                                                                                                                                                                                   |
| 封面           | 若文件代号为YD，应同时保证发布机构为：中华人民共和国工业和信息化部，文件类别为：中华人民共和国通信行业标准。                                                                                                                                                                                                                                                   |
| 封面           | 若文件代号为GB，应同时保证发布机构为：国家市场监督管理总局和国家标准化管理委员会，文件类别为：中华人民共和国国家标准。                                                                                                                                                                                                                                              |
| 封面           | 检查是否有文件版式类型：草案、征求意见稿、送审稿、报批稿（常见问题：传错文稿）                                                                                                                                                                                                                                                                   |
| 封面           | 封面的标题需要和正文范围前的标题名称完全一致                                                                                                                                                                                                                                                                                    |
| 目次           | 检查目次的叫法，正确叫法应为目次                                                                                                                                                                                                                                                                                          |
| 目次           | 检查目次的页码是否正确，引言之前为罗马数字编号，范围开始页码编号为阿拉伯数字从1开始编号                                                                                                                                                                                                                                                              |
| 目次           | 生成的目次中不能重复出现目次及对应页码，生成的目次中不能出现本标准的中文名称                                                                                                                                                                                                                                                                    |
| 目次           | 目次应展开到二级目次（不能识别出三级目录/没有二级目录）                                                                                                                                                                                                                                                                              |
| 目次           | 检查术语和定义章不应该有二级目次/目次不应列出术语的条目编号                                                                                                                                                                                                                                                                            |
| 目次           | 检查参考文献章前不应该有章编号（常见问题前面有章号或写成参考文件）                                                                                                                                                                                                                                                                         |
| 目次           | 检查附录A（规范性/资料性）XXXX（常见问题：写成了附件、附表、附图，没写资料性/规范性，没写附录名称）                                                                                                                                                                                                                                                     |
| 前言（对于制定标准来说） | 检查前言中是否有这句话，且必须完全一致：本文件按照GB/T 1.1—2020《标准化工作导则第1部分：标准化文件的结构和起草规则》的规定起草。                                                                                                                                                                                                                                   |
| 前言（对于制定标准来说） | 检查前言中是否有这句话，且必须完全一致：请注意本文件的某些内容可能涉及专利。本文件的发布机构不承担识别这些专利的责任。                                                                                                                                                                                                                                               |
| 前言（对于制定标准来说） | 检查前言中是否有这句话，且必须完全一致：本文件由中国通信标准化协会提出并归口。                                                                                                                                                                                                                                                                   |
| 前言（对于制定标准来说） | 检查前言中是否有这句话（同时保证有明确的起草单位不可以为空）：本文件主要起草单位： 同时需要和网站立项建议书起草单位对比保持完全一致，本文件主要起草单位：                                                                                                                                                                                                                             |
| 前言（对于制定标准来说） | 检查前言中是否有这句话：本文件主要起草人：                                                                                                                                                                                                                                                                                     |
| 前言（对于制定标准来说） | 若标准为修订标准，前言中应写清楚修订了什么内容（例如：修改了什么、增加了什么、删除了什么、更改了什么）                                                                                                                                                                                                                                                       |
| 引言           | 在前言之后出现，若标准的名字是分部分的标准（例如：自然语言处理技术及产品评估方法 第9部分：观点挖掘系统），应必须设置引言这一章节                                                                                                                                                                                                                                         |
| 范围           | 检查范围是否是两段的结构，第一段为本文件规定了什么，第二段为本文件适用于什么                                                                                                                                                                                                                                                                    |
| 范围           | 主要技术内容的表述，应根据文件的功能类别或文件具体内容选择适当形式（可组合）：<br>— 本文件规定了[标准化对象]...的要求/特性/尺寸/指示；（规范标准常用）<br>— 本文件确立了[标准化对象/领域]...的程序/体系/系统/总体原则；（规程标准常用）<br>— 本文件描述了[标准化对象]...的方法/路径；（试验方法标准常用）<br>— 本文件提供了[标准化对象/领域]...的指导/指南/建议；（指南标准常用）<br>— 本文件给出了[标准化对象]...的信息说明；（指南标准常用）<br>— 本文件界定了[标准化对象/领域]...的术语/符号/界限。（术语、符号、分类标准常用） |
| 规范性引用文件      | a) 适用界限的陈述应使用下列适当的表述形式：<br>— “本文件适用于.....”；<br>— “本文件适用于.....，也适用于.....”；<br>— “本文件适用于.....，不适用于.....”；（不适用的界限也可另起一段）                                                                                                                                                                                     |
| 规范性引用文件      | 检查规范性引用文件中是否有这句话且必须一致：下列文件中的内容通过文中的规范性引用而构成本文件必不可少的条款。其中，注日期的引用文件，仅该日期对应的版本适用于本文件；其最新版本（包括所有的修改单）适用于本文件。                                                                                                                                                                                                  |
| 规范性引用文件      | 若没有规范性引用文件需要保留第2章并给出引导语：本文件没有规范性引用文件                                                                                                                                                                                                                                                                      |

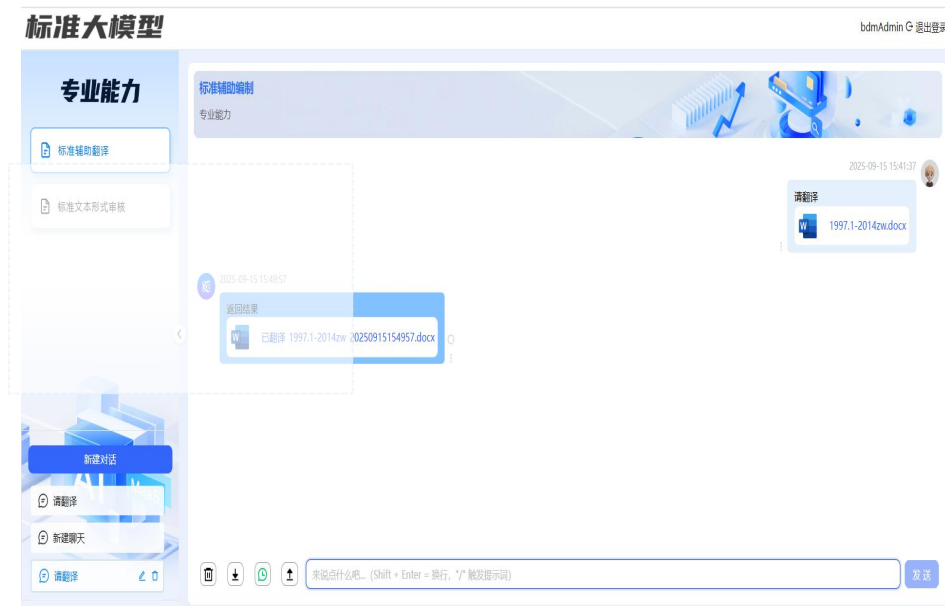




# AI Empowers Chinese Standards to English Version

## Achievements

One-click generation of standards of English Version



Drop optical fibre cables for telecommunication  
Part 1: Bow-type optical fibre cables

通信用引入光缆 第1部分：蝶形光缆  
(English Translation)

Issue date: 2020-12-19 Implementation date: 2021-01-01

Issued by: Ministry of Industry and Information Technology of The People's Republic of China

✓ **Output standard  
English version**

✓ **Improve  
translation quality**

## 05 Capability of Promoting Standards

| No.   | Standards Promoting Committee                                                                     |
|-------|---------------------------------------------------------------------------------------------------|
| TC601 | Big Data (Founded in April 2018)                                                                  |
| TC602 | AI Technology and Standards (Founded in April 2018)                                               |
| TC603 | Digital Trust Technology and Standards (Founded in April 2018)                                    |
| TC604 | Financial Technologies (Founded in April 2018)                                                    |
| TC606 | Open Data Center (Founded in April 2018)                                                          |
| TC607 | Green Grid (Founded in April 2018)                                                                |
| TC608 | Cloud Computing Standards and Open Source (Founded in April 2018)                                 |
| TC609 | Internet Health (Founded in April 2018)                                                           |
| TC610 | SDN/NFV/AI Standards and Industry (Founded in April 2018)                                         |
| TC611 | Industry Wireless Information (Founded in April 2018)                                             |
| TC612 | Future Mobile Communication Technology Standards and Industry Development (Founded in April 2018) |
| TC613 | Media Convergence Technology and Standards (Founded in April 2018)                                |
| TC614 | Network 5.0 (Founded in August 2018)                                                              |
| TC615 | Broadband Technology and Industry Development (Founded in August 2018)                            |

| No.   | Standards Promoting Committee                                                                             |
|-------|-----------------------------------------------------------------------------------------------------------|
| TC617 | Edge Computing Industry Development and Technical Standards (Founded in November 2020)                    |
| TC618 | Next-Generation Optical Transmission Networks Industry and Technical Standards (Founded in November 2020) |
| TC619 | Smart Home (Founded in November 2020)                                                                     |
| TC620 | IoT and Platform Interconnection Industry and Standards (Founded in November 2020)                        |
| TC621 | Convergence of Computing and Network Industry and Standards (Founded in January 2022)                     |
| TC622 | Diversity Computing Power Industry and Standards (Founded in January 2022)                                |
| TC623 | 5G Applications Industry and Standards (Founded in January 2022)                                          |
| TC624 | Green 5G Base Station Industry and Standards (Founded in July 2022)                                       |
| TC625 | XR Industry and Standards (Founded in July 2022)                                                          |
| TC626 | Terminals Fast Charging Technologies and Standards (Founded in July 2022)                                 |
| TC627 | Intelligent Sports Facilities and Products Standards (Founded in December 2023)                           |
| TC628 | Digital Internal Control and Audit (Founded in December 2024)                                             |
| TC629 | Mobile Network Quality (Founded in December 2024)                                                         |
| TC630 | Semantic Intelligent Simplified Communication Technology and Standards (Founded in June 2025)             |

## 28 Standards Promoting Committees under CCSA

**1**

Policy  
Advocacy

**2**

Standard  
Development

**3**

Cutting-Edge  
Research

**4**

Exchange  
Platform



Members

**1300**



Conference Activities

**1800**



Research Achievements

**930**

| Certification Field                   | Number of Certificates Issued | Number of Certified Enterprises |
|---------------------------------------|-------------------------------|---------------------------------|
| Universal Fast Charging Certification | 220                           | 47                              |
| Smart Home Certification              | 7                             | 5                               |
| Cloud Billing Test Certificate        | 11                            | 6                               |
| Database Test Certificate             | 32                            | 25                              |
| Green and Low-Carbon Test Certificate | 6                             | 5                               |
| Enterprise Maturity Test Certificate  | 2                             | 2                               |
| Total                                 | 278                           | 90                              |





# Enhance Standardization Capabilities to Boost Industry Development

# GLSC 2025

Global ICT Standards Conference 2025

- Thank you -

NAN, Xinsheng, Deputy Secretary-General, China Communications Standards Association (CCSA)

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**ICT Standards and Intellectual Property:  
AI for All**

Hosted by



Ministry of Science and ICT



Ministry of  
Intellectual Property

Organised by



National Radio  
Research Agency



IITP

KEA

Kista

ETRI