Topics

- ITU
- Thought on Standardization
- History of Generations: 1G to 5G
- Future Beyond 6G toward 12G
Technology Penetration Rate
Standardization Gap

Tech Evolution

1G       2G       3G       4G       5G      6G      7G

Followers
Recipients

Tech
Leaders

Minimizing the Gap
“Standards and technologies are meaningful only after people could use them. Enabling people around the world to benefit from technology – that’s what we do.”
Value of standardization

- Standardization becomes truly valuable and meaningful only when the standards are widely spread.

- Cost/Price Reduction
- Universal Affordable services
- Market Growth
- Healthy Competition
- Wide Adoption

Standardization
**Strengthening Cooperation**

By strengthening cooperation between multiple standardization bodies.

**Industry Engagement**

Through industry engagement and the implementation of standards by industry.

The industry play a role in implementing the standards and contributing to technology diffusion. The industry engagement drives the development of implementable standards and their adoption in practice.

**Bridging the Standardization Gap**

**ITU-T Bridging the Standardization Gap (BSG)** as essential tool for the dissemination of standards.

But How?

Bringing the benefits of technology to the world by strengthening standard-making capabilities and assisting the application of standards in developing countries.

Collaboration leveraging each other's strengths is crucial. ITU's greatest advantage lies in its global reach.
Strengthening Cooperation

By strengthening cooperation between multiple standardization bodies.

To respond to rapid technological advancements and the expanding landscape of technical fields, we are now in an era where organizations with diverse roles and expertise to collaborate, rather than doing everything in a single organization.

But How?

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Bringing the benefits of technology to the world by strengthening standard-making capabilities and assisting the application of standards in developing countries.
Value of standardization

- Industry engagement is crucial for implementing the standards.
Disrupting NextG

Andrea J. Goldsmith
Princeton University, USA

31 October 2023
16:00 - 17:30 CET

presented by:
ITUJournal
Future and evolving technologies

itu.int/go/ITUJ-FET/webinars
ITU Journal Webinars
New WEBINAR SERIES with CTOs

6 June
The journey from 5G to 6G: Toward a well-being society
Naoki Tani
Executive Vice President and Chief Technology Officer, NTT DOCOMO

27 June
AI, machine learning RAN intelligent controller for 6G
Alex Jinsung Choi
Senior Vice President, Deutsche Telekom

4 July
Transformation in the 5G era
Alex Sinclair
Chief Technology Officer, GSMA
Creating the foundation for 6G: Laying the groundwork for the network of the future

Nishant Batra
Nokia Bell Labs, USA

9 November 2023
19:30 - 20:30 CET
Dubai, UAE & online, 5 December 2023

**CxO MEETING AND TELECOM REVIEW LEADERS’ SUMMIT**

**CxO Meeting**

This year’s CxO meeting will be held on **December 5, 2023**.

This meeting is by invitation only and will precede the 17\textsuperscript{th} edition of the Telecom Review Leaders’ Summit.

More information can be found [here](#).
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Re-envisioned BSG: Strategic Pillars

**DEVELOPMENT**
- BSG Trainings: Online & Hands-on + Executive Briefings
- Regional Groups of ITU-T Study Groups
- Fellowships & Interpretation
- National Standardization Secretariat (NSS)

**IMPLEMENTATION**
- Strategic Events
- DFS Security Lab
- U4SSC
- E-waste
- C&I Lab
- Adoption of ITU-T Standards @ National Plans, Policies & Regulations

**Enablers**
- Resources
- Partnership
- Enablers
Open and Inclusive

Promoting **diversity** by encouraging multi-stakeholder participation in standardization processes. Diverse members need to be involved, including developed/developing countries, regions, gender, large/small enterprises, etc.

Efficient, Effective and Transparent

Implementing **effective organizational management** through efficient resource allocation in a **transparent** manner. Improve organizational performance, including setting priorities, reducing waste and improving processes.
To achieve **universal meaningful connectivity** and **sustainable digital transformation through standardization**.

**My vision and goals as TSB Director**

- **Outreach Worldwide**
- **Strengthening Cooperation**
- **Industry Engagement**
- **Bridging the Standardization Gap**
- **Open and Inclusive**
- **Efficient, Effective and Transparent**

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Topics

- ITU
- Thought on Standardization
- Mobile Communication
- History of Generations: 1G to 5G
- Future Beyond 6G toward 12G
Throughout its long history, telecom standardization has helped make people's lives more convenient and society more efficient.

- Global coverage of services
- Cost reduction by economies of scale and competition principle

More effort is needed to achieve a truly affordable and even better ecosystem.