

ITU-T Overview

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Telecommunication Standardization Bureau (TSB)

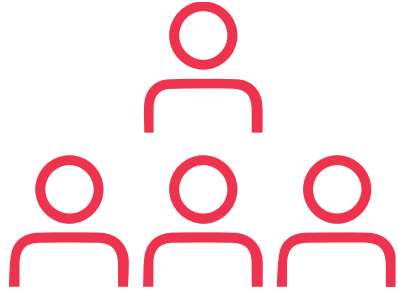
Briefing for newly appointed diplomats, 4 May 2023



Our starting point: the strategic goals



ITU standardization: Global community



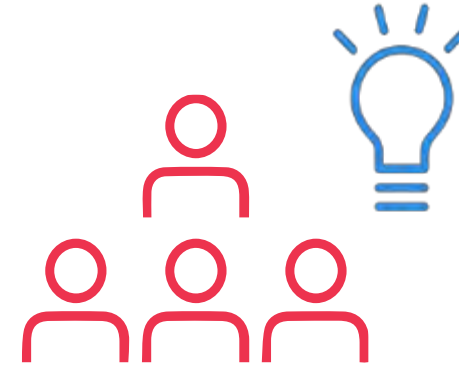
Study Groups

Membership-driven study groups develop international standards




Focus Groups

Open-to-all focus groups define new directions in ITU standardization

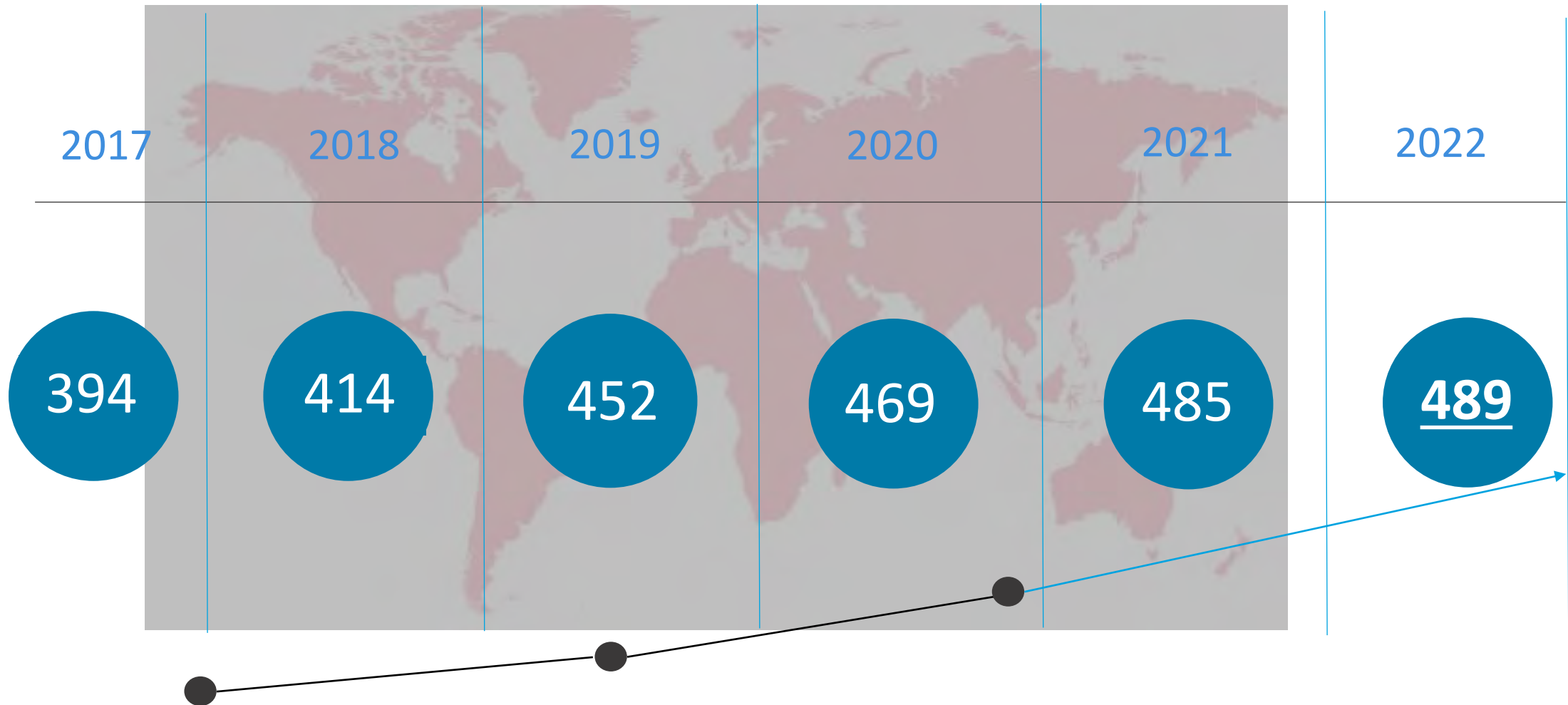


Workshops

Open-to-all events analyze emerging trends and encourage peer-learning

 Reduced ITU membership fees available for academia, start-ups and SMEs, and companies of all sizes in developing countries

ITU-T Sector Members and Associates 2017-2022

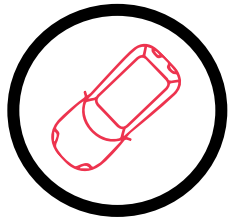


 54 Associates now participating under the reduced SME fee structure

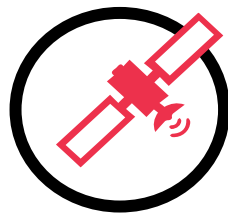
Welcoming new communities

ITU-T family has been growing over the recent years.
Now it includes a variety of industries:

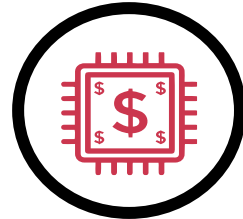
Automotive



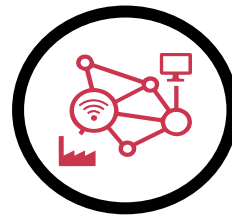
Space



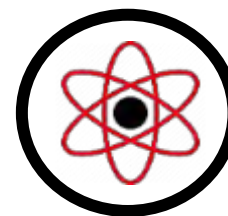
Fintech



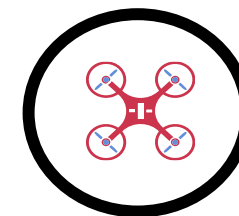
IoT/M2M



Quantum



UAVs



OTTs



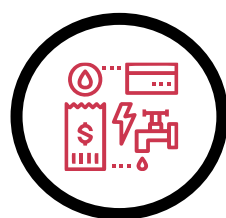
MVNOs/MVNEs



Smart cities



Utilities



Esports



LiFi



Blockchain



IP speed



ITU standardization: Technical foundations



Transport,
access and
home networks



Multimedia



Service
quality



Numbering
& emergency
comms



Artificial
intelligence



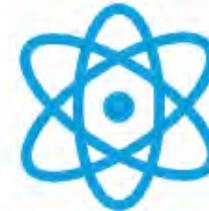
Cybersecurity



Internet
of Things



Environmental
efficiency

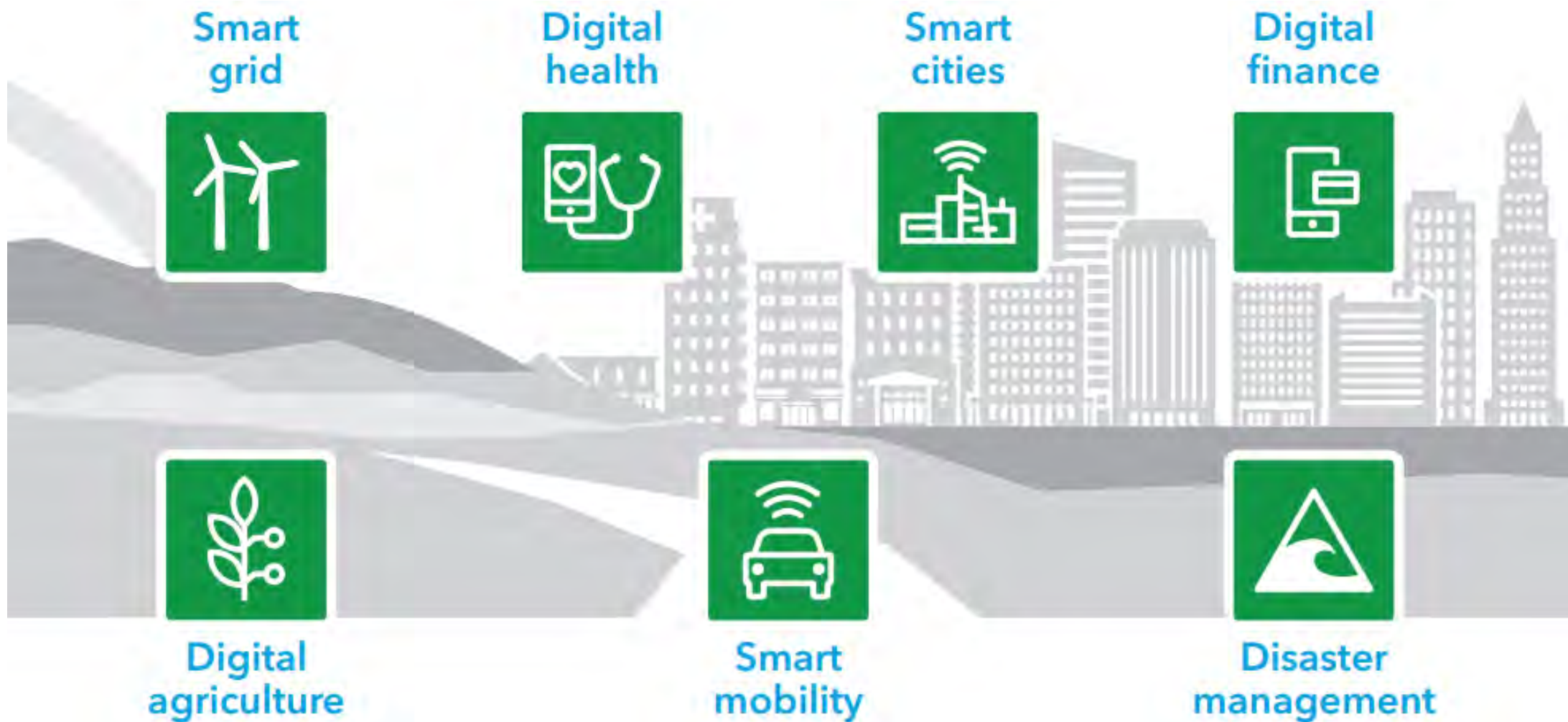


Quantum
information
tech



Accessibility

ITU standardization: Digital transformation



Digital Currency Global Initiative



Quantum information technologies (QIT)



United 4 Smart Sustainable Cities

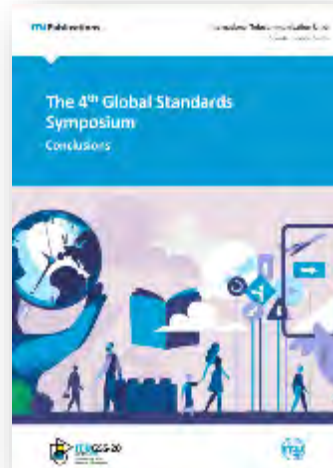


Digital Health

Metaverse

Global Standards Symposium (GSS)

“ Urges the adoption of **international standards** as a key enabler for **digital transformation**, recognizing that international standards can facilitate the ongoing **digitalization of cities**, communities, industries and sectors by enhancing productivity, security, efficiency and by promoting interoperability between platforms. ”



| ITU-T Study Groups



[SG2 - Operational aspects](#)



[SG3 - Economic & policy issues](#)



[SG5 – Environment, EMF & circular economy](#)



[SG9 - Broadband cable & TV](#)



[SG11 - Protocols, testing & combating counterfeiting](#)



[SG12 - Performance, QoS & QoE](#)



[SG13 - Future networks](#)



[SG15 - Transport, access & home](#)



[SG16 - Multimedia & digital technologies](#)



[SG17 - Security](#)



[SG20 - IoT, smart cities & communities](#)

ITU-T Focus Groups



Autonomous Networks
([FG-AN](#)) / SG13



Testbeds Federations
for IMT-2020 & beyond
([FG-TBFxG](#)) / SG11



Metaverse
([FG-MV](#)) / TSAG



AI for Health
([FG-AI4H](#)) / SG16



AI & IoT for Agriculture
([FG-AI4A](#)) / SG20



AI for Natural Disaster
Management
([FG-AI4NDM](#)) / SG2



Cost models for affordable data
services
([FG-CD](#)) / SG3

ITU Demystifying Tech series



Demystifying Metaverse

March 2023



At the UK Mission
11 participants from 11 countries

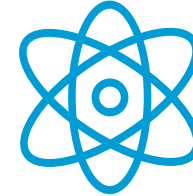


Demystifying Sustainable & Green Standards

March 2023



At the Mission of Peru
For GRULA countries,
In Spanish*
15 participants from 10 Latin
American countries



Demystifying Quantum

April 2023



At the Mission of Denmark
13 participants from 10
countries



Coming up:



Demystifying Smart Cities & Citiverse

June/July 2023
(TBC)



At the EU Mission

Join us & get in touch
for the next ITU
[#DemystifyingDigital](https://twitter.com/ITU_Digital)
talk!

ITU Events



AI for Good

Global Summit

*Accelerating the United Nations
Sustainable Development Goals*

6 - 7 July 2023

Geneva, Switzerland

aiforgood.itu.int



| ITU standardization: Academia

ITU Journal
*Future and evolving
technologies*

The ITU Journal – free of charge to both readers and contributors – offers comprehensive coverage of communications and networking paradigms

ITUKALEIDOSCOPE

Annual Kaleidoscope conferences highlight research into key strategic topics for ITU standardization

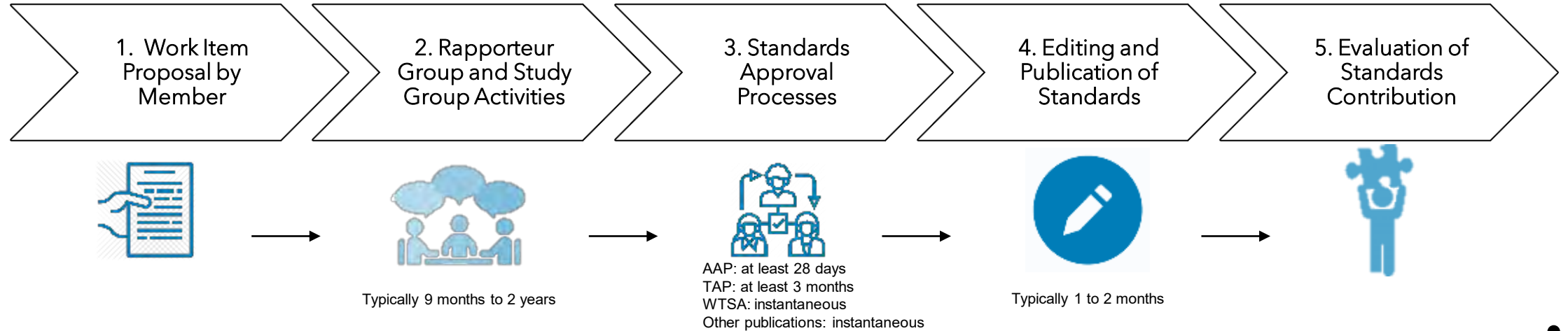


ITU Academia members participate with reduced membership fees in ITU expert groups responsible for radiocommunication, standardization, and development

| ITU standardization: Bridging the standardization gap

- ① **Hands-on study group effectiveness trainings**
 - Coaching in practical skills valuable to participation in ITU standardization
- ① **Fellowships**
 - Financial support to delegates from eligible developing countries
- ① **Regional groups within study groups**
 - Regional groups help to ensure that ITU standards are globally applicable
- ① **Online training course on ITU standardization working methods**
 - Training course on ITU standardization processes
- ① **Regional standardization forums**
 - Regional and interregional forums address working methods and topics under study
- ① **Electronic Working Methods**
 - Providing IT services to enable and facilitate inclusive participation, e.g., AI translation

The Standards Development Process of ITU-T



- ❖ Work item is proposed by one or more members in the form of a Contribution and submitted to the relevant Question within a Study Group (SG).
- ❖ Study Group (SG) experts decide whether or not to initiate work item, either as submitted or with Modifications.
[614 average new work items per year]

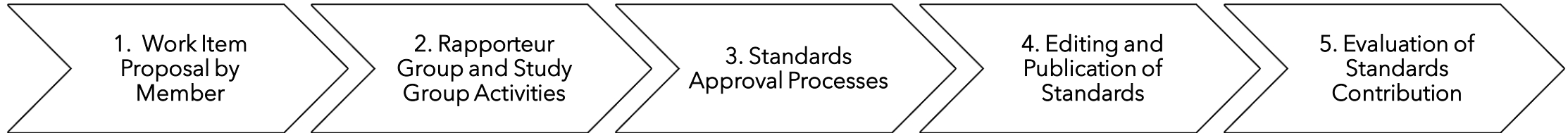
- ❖ Work items are developed over time in meetings and correspondence activities.
- ❖ Once the text is mature, Study Group experts initiate the Approval process.
[9 months to 2 years for approval process]














- ❖ Four types of approval processes are used depending on nature of the work item:
 - Traditional Approval Process (TAP).
 - Alternative Approval Process (AAP).
 - Agreement for non-normative work items.
 - WTSA if considered necessary by the study group.
- [17,000 pages approved per year]


- ❖ Prior to publication, Approved Recommendations are reviewed by TSB for logical consistency, clarity, page style and graphics.
- ❖ TSB may seek clarification from the experts via communication with the Editor.
[316 Standards published per year with 44 days average time spent for editing and publication each year]

- ❖ Evaluation of the relevance of ITU-T standards towards the ITU strategic plan.

Digital Transformation in ITU-T's Standardization Process



 <p>Direct Document Posting (DDP) – Online submission tool for contributions allowing instant publication, and a processing time reduced by 50% for the TSB.</p>	 <p>Events Dashboard - streamlining activities for meeting preparations. <u>Cuts timeline by 4 fold.</u></p>  <p>SharePoint Collaboration Websites – promoting collaboration of Members.</p>  <p>MyMeetings - platform customized for ITU-T needs, enables many parallel sessions at no extra cost.</p>  <p>ITU Translate – rapid and cost-effective translation of documents in 6 languages. <u>Saves millions of CHF in translation costs.</u></p>  <p>MyDocuments – quick access to ITU-T meeting and suggested documents.</p>	 <p>Alternative Approval Process System – streamlining approval process of standards. <u>Saves up to 30% of a staff's time & makes the process transparent.</u></p>  <p>ITU-T Work Programme – accessing all Work Items and their status.</p>	 <p>Editing Workflow – streamlining publication of standards. <u>Reduces editing timeline by 300% and saves 40% in staff costing.</u></p>  <p>IPR & Terminology Database – archiving all IPR and ITU-T Terms.</p>	 <p>ITU-T Recommendation – accessing all standards in force.</p>  <p>ICT Standards – viewing shared activities with other SDOs.</p>  <p>SDG Mapping – evaluation of standards contribution to SDGs using AI. <u>Saves cost of 1-2 staffing resources.</u></p>
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MyWorkspace – one stop-shop for ITU-T applications.

Thank you!



For more information, please contact : Bilel.Jamoussi@itu.int & Alexander.Ntoko@itu.int