



WORLD TELECOMMUNICATION
STANDARDIZATION ASSEMBLY



ITUWTSA

NEW DELHI**2024**

15-24 October 2024
New Delhi, India

Overview of ITU-T Study Group 11 during the Study Period 2022-2024

Ritu Ranjan MITTAR

Chair, ITU-T Study Group 11

October 2024



ITU-T SG11: Key Areas of Work during 2022-2024

Protocols

Signalling and protocols

Testing

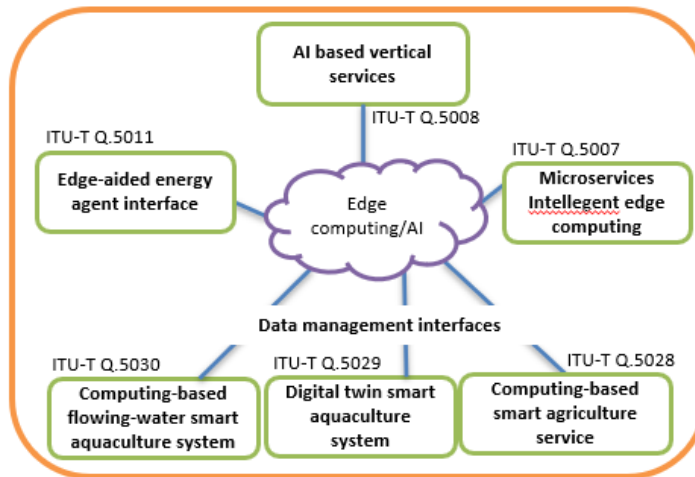
Establishing test specifications, conformance and interoperability testing for all types of networks, technologies and services that are the subject of study and standardization by all ITU-T study groups

Combating counterfeiting and ICT theft

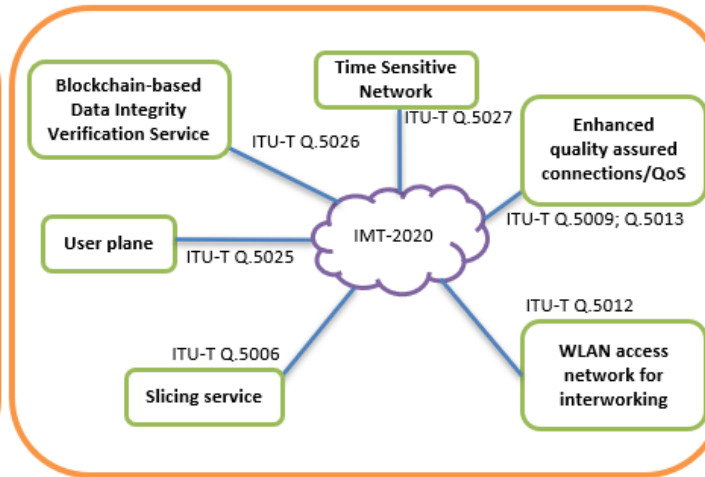
Combating counterfeiting of ICT devices and the use of stolen ICT devices

ITU-T SG11: Key Recommendations (1/2)

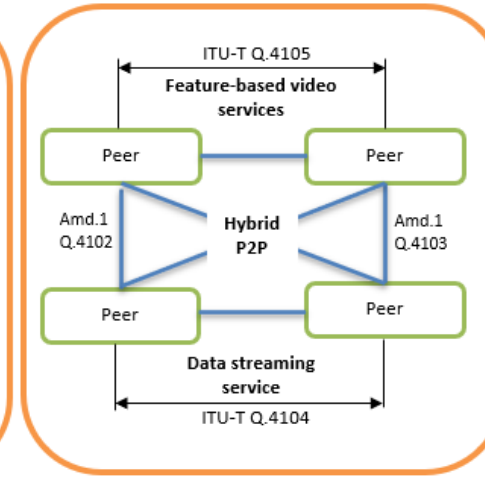
AI/intelligent edge computing



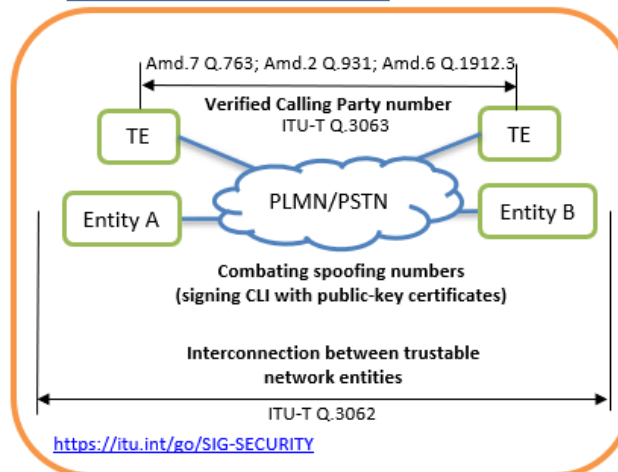
IMT-2020 signaling



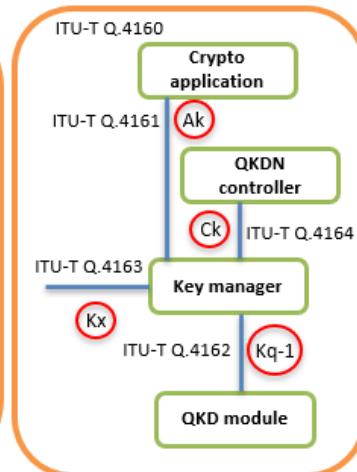
P2P communications



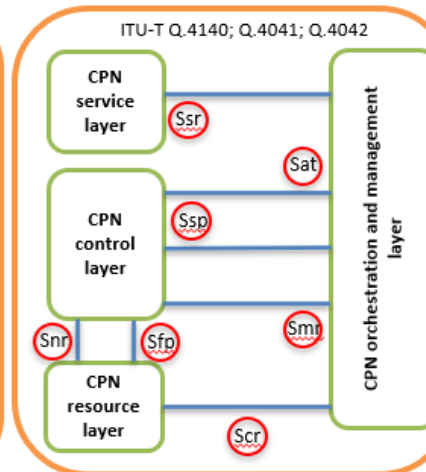
SS7 and protocols security



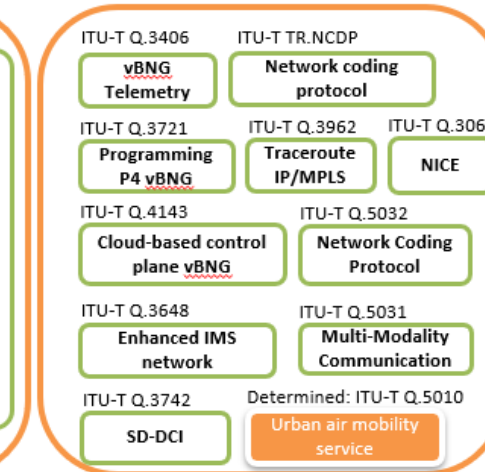
QKDN



Computing power network

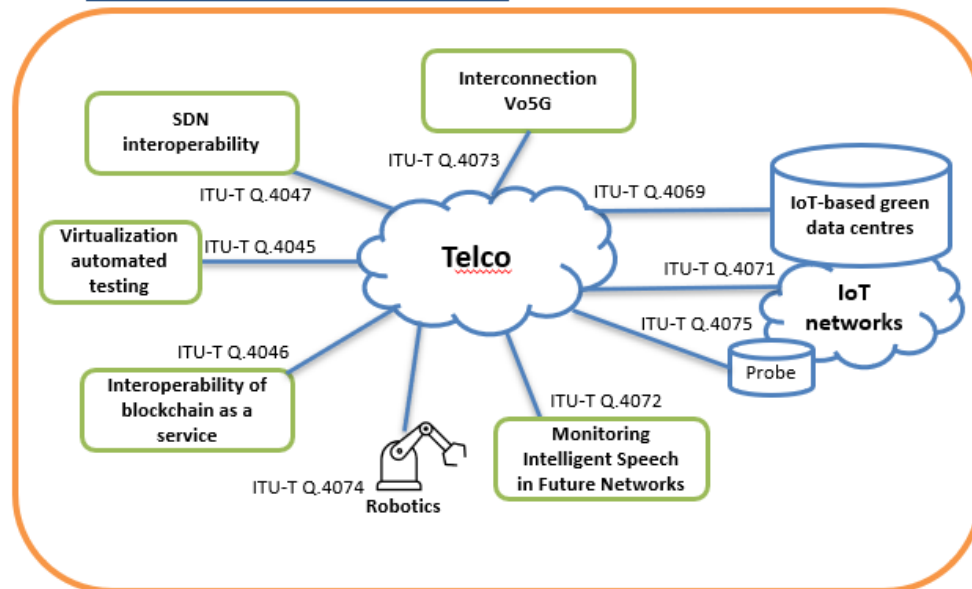


Other signalling issues

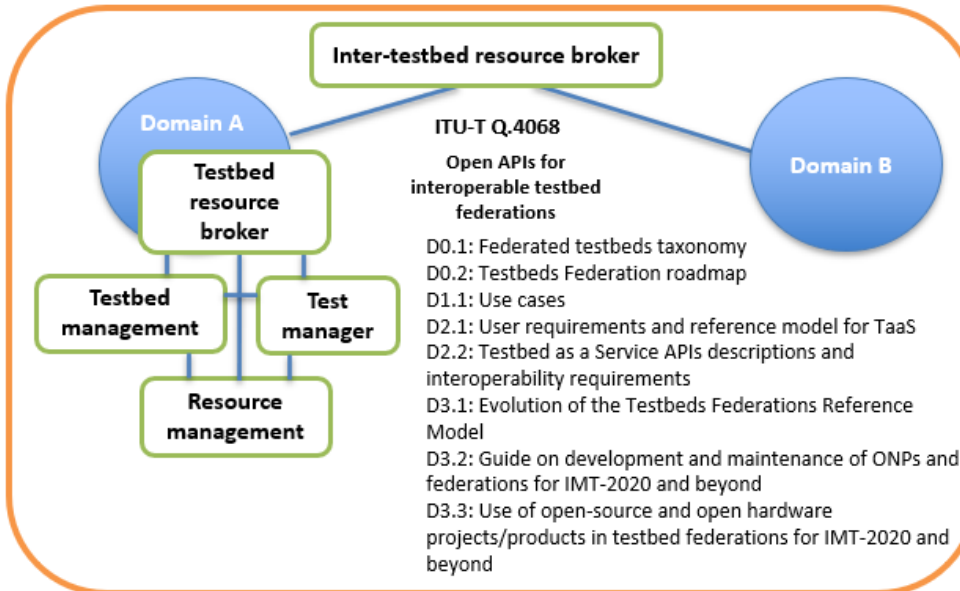


ITU-T SG11: Key Recommendations (2/2)

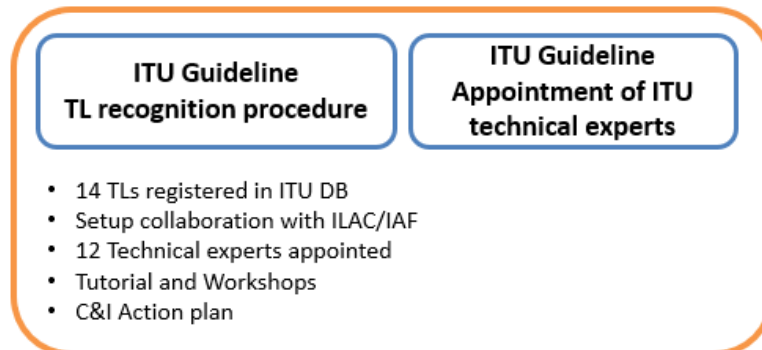
Testing specifications, monitoring



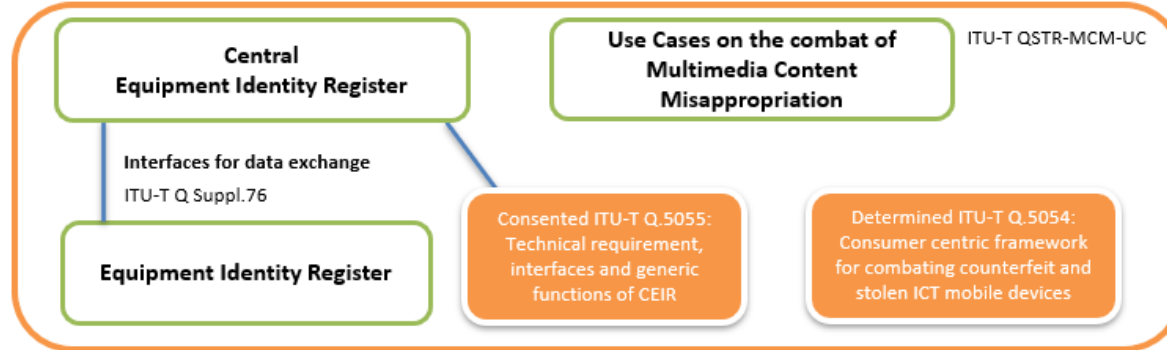
Testbed federations



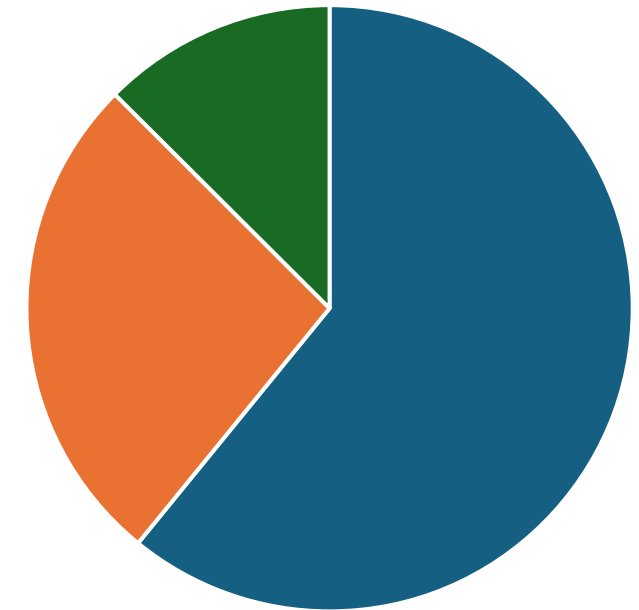
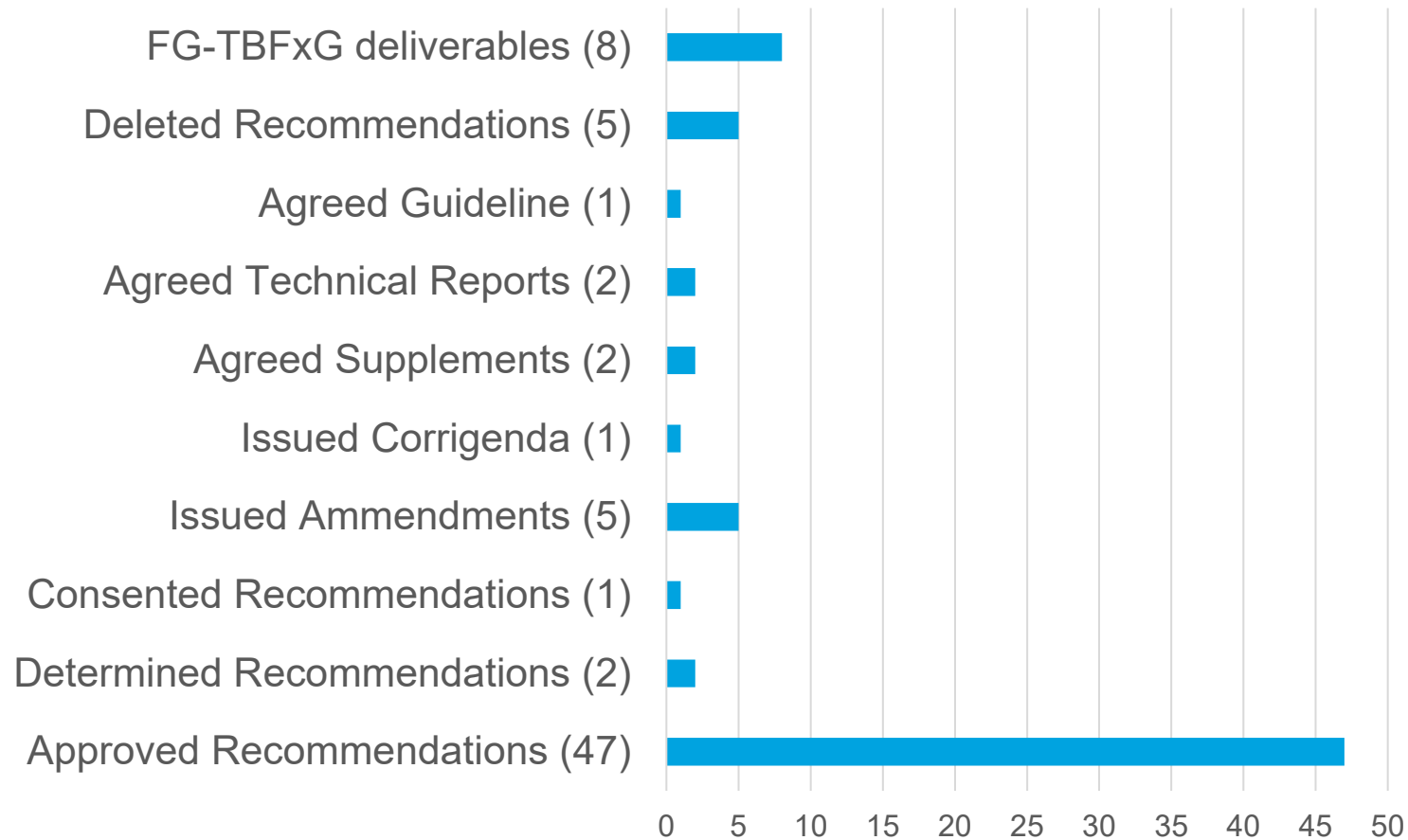
Conformity Assessment Steering Committee



Combating counterfeiting of ICT devices and ICT theft



ITU-T SG11: Key Achievements



- Contributions (481)
- Liaison Statements (210)
- Ongoing Work Items (99)

ITU-T SG11: Conformity Assessment Steering Committee (CASC)

Guidelines

SG11 revised ITU Guidelines on Testing Laboratories recognition procedure, July 2022

See [here](#)

SG11 updated its C&I Action plan, May 2023

[See here](#)

TL Recognition

As of July 2024, 14 TLs were registered in ITU Testing Laboratories Database

<https://itu.int/go/tldb>

ICT product which was tested by recognized TL was registered in ITU Product Conformity Database

<https://itu.int/go/tcdb>

Technical experts

12 ITU-T Technical experts were appointed by CASC which scope of expertise covers ITU-T Recommendations H., K., M. and X.series.

Collaboration

ITU established collaboration with International Laboratory Accreditation Cooperation (ILAC) and International Accreditation Forum (IAF) on Testing Laboratory recognition procedure

[Signed updated MoU, August 2022](#)

Promotion

SG11 organized tutorial on ITU Testing laboratories recognition procedure, October 2023

<https://itu.int/go/TT-TLRP>

[Video Guideline](#) on ITU C&I databases

ITU-T SG11: Future Topics in 2025-2028

Signalling

- Signalling security
- IMT-2030
- fixed, mobile and satellite convergence
- Computing Power Network
- Network Functions Virtualization
- Software-Defined Networking
- Multi-access Edge Computing
- Intent-Based Network
- QKDN
- Hybrid P2P communications

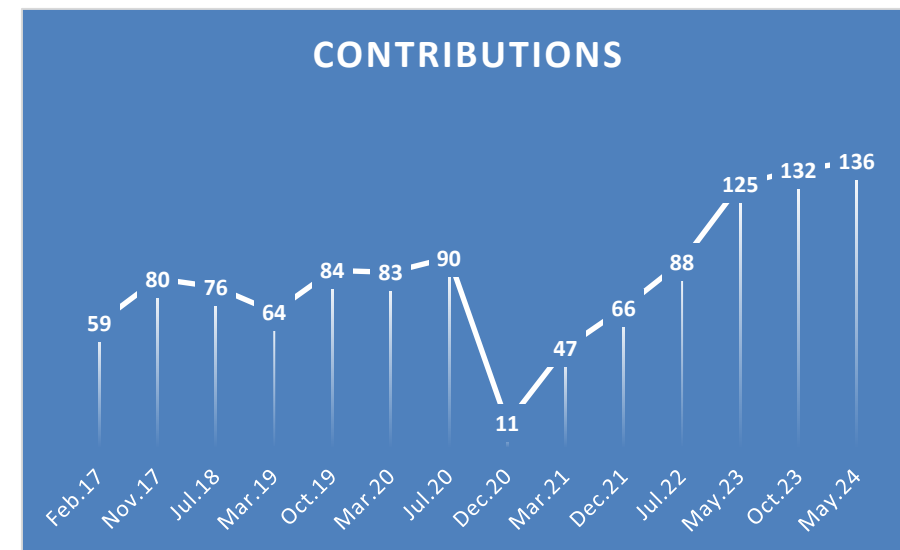
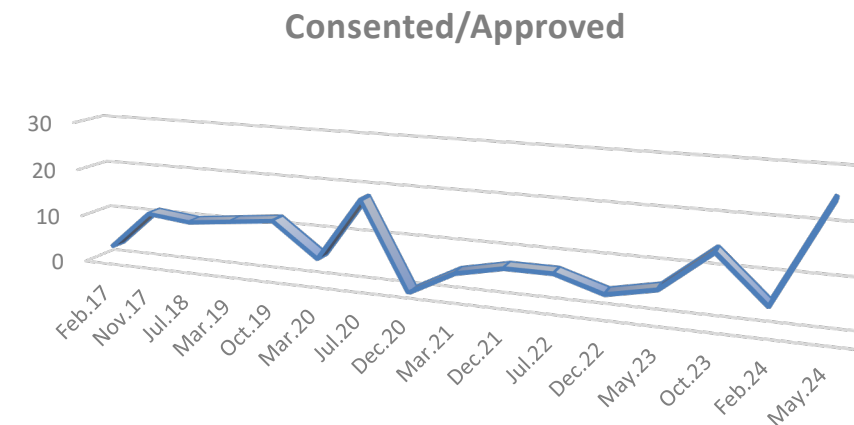
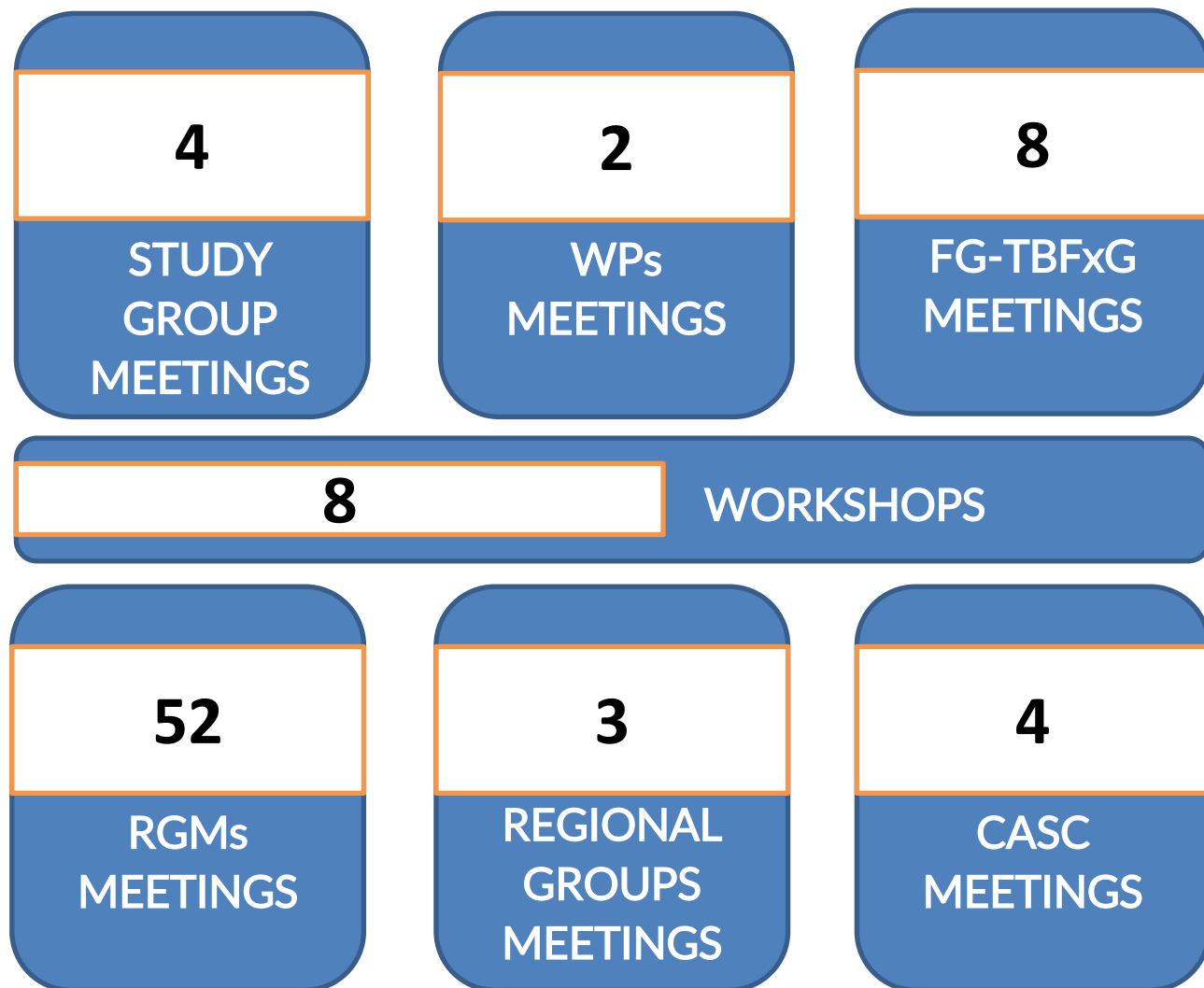
Testing

- VoNR/ViNR interconnection
- Federated testbeds and its APIs
- Testing Laboratory Recognition procedure
- ITU C&I Programme
- AI and ML based testing specifications
- Remote testing/monitoring procedures

Combating counterfeiting and stolen ICT

- CEIR and EIR
- GIR
- Use cases on combating counterfeiting and stolen ICT devices
- Guidelines on combating counterfeit (e.g. for African region)
- Market surveillance for combat counterfeit ICT devices

ITU-T SG11: Results



ITU-T SG11: Chair message

“I am honored to lead SG11 and appreciate the multinational team for their stupendous efforts and commitments to achieve great success on standardization of signalling, testing and combating counterfeiting within this study period”

Ritu Ranjan Mittar





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Thank you