

# ITU-T SG15 Liaison Report

28 July 2025

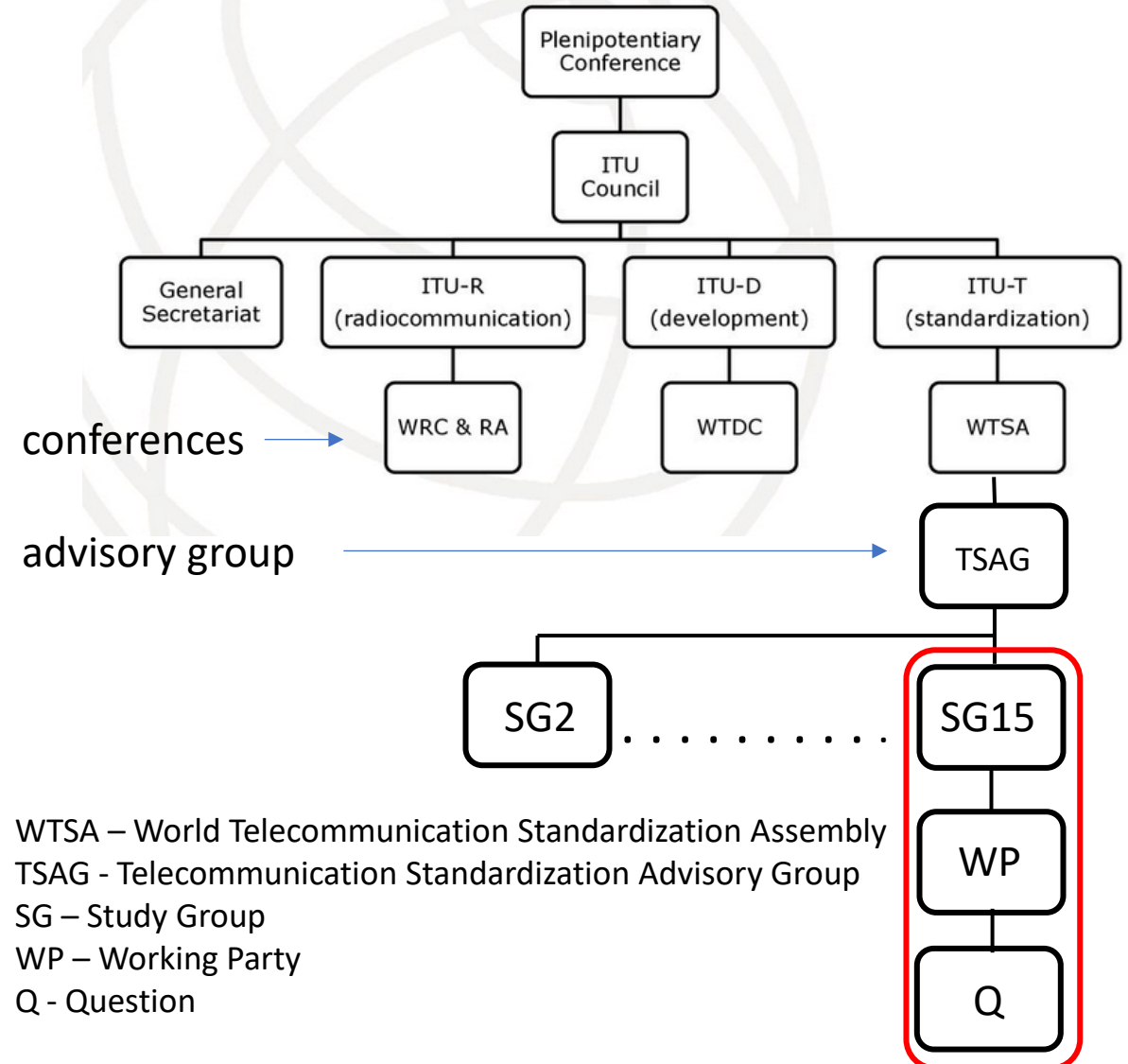
Tom Huber (Nokia)

ITU-T SG15 Liaison Officer

# ITU high level structure

- ITU is an organization of the UN
  - Structure and scope of work for ITU-T study groups as well as SG leadership, is refreshed on a 4-year cycle via WTSA
    - The current period runs from 2025-2028
  - Leadership at the WP and Question level is determined by the SG chair
- Documents
  - Normative standards are referred to as Recommendations
  - Informative documents are Supplements or Technical Reports

## ITU Structure and organization



# ITU-T SG15 structure

	Question	Question title
WP1/15	2/15	Optical systems for fibre access networks
	3/15	Technologies for in-premises networking and related access applications
	4/15	Broadband access over metallic conductors
WP2/15	5/15	Characteristics and test methods of optical fibres and cables, and installation guidance
	6/15	Characteristics of optical components, subsystems and systems for optical transport networks
	7/15	Connectivity, Operation and Maintenance of optical physical infrastructures
	8/15	Characteristics of optical fibre submarine cable systems
WP3/15	10/15	Interfaces, interworking, OAM, protection and equipment specifications for packet-based transport networks
	11/15	Signal structures, interfaces, equipment functions, protection and interworking for optical transport networks
	12/15	Transport network architectures
	13/15	Network synchronization and time distribution performance
	14/15	Management and control of transport systems and equipment

WP: Working Party

Compared to the last study period, Q1/15 was deleted, with the work distributed to Q2, 3, and 4

# Status of G.8020.3 approval

- Recommendation ITU-T G.8020.3 is the ‘incorporation by reference’ of IEEE 802.3 by ITU-T
- The approval process was initiated following the March SG15 meeting
  - Process begins with a ‘last call’ for comments
  - One comment was received
  - SG15 has resolved the comment
  - Approval is expected to be announced on 1 August

# Other topics related to 802.3 work

- Q2 continues work on next-generation PON
- Q5 (and others) beginning to look at multicore fiber
- Q6 continues work on TQM for 800G coherent interfaces
  - Robust exchange of liaisons among OIF, Q6/15, and IEEE 802.3
- Q11 continues work on OTN enhancements to support beyond-1T
  - The main client for these OTN extensions is Ethernet
- Q14 continues to develop YANG models
  - Ongoing coordination calls across the industry
  - Posting Q14-developed YANG models to the YANG repository at <https://github.com/YangModels/yang>

# Next ITU-T SG15 meetings

- SG15 plenary meetings are held on a 3 meetings every 2 years cadence; Questions may hold interim meetings between SG plenaries as needed
  - Interim meetings are approved at the plenary meetings
- SG15 plenary 13-24 October 2025, Geneva, Switzerland
- SG15 plenary 29 June – 10 July 2026, Montreal, QC, Canada
  - Precedes IEEE 802 plenary
  - Joint workshop being planned for the weekend between the SG15 and IEEE 802 meetings
    - This will be the 10<sup>th</sup> joint workshop