### Standardization in ITU-T Study Group 15

Networks, Technologies and Infrastructures for Transport, Access and Home

Moderator: Hiroshi OTA (ITU)



#### SG15 mandate

#### SG15 is responsible for the development of standards on:

optical transport network	access network	home network and power utility network
	equipment	infrastructures
systems		
	maintenance opt	ical fibres and cables and
instrumentation and measurement techniques	management t	heir related installation
	test con	trol plane technologies

to enable the evolution toward intelligent transport networks, including the support of smart-grid applications.

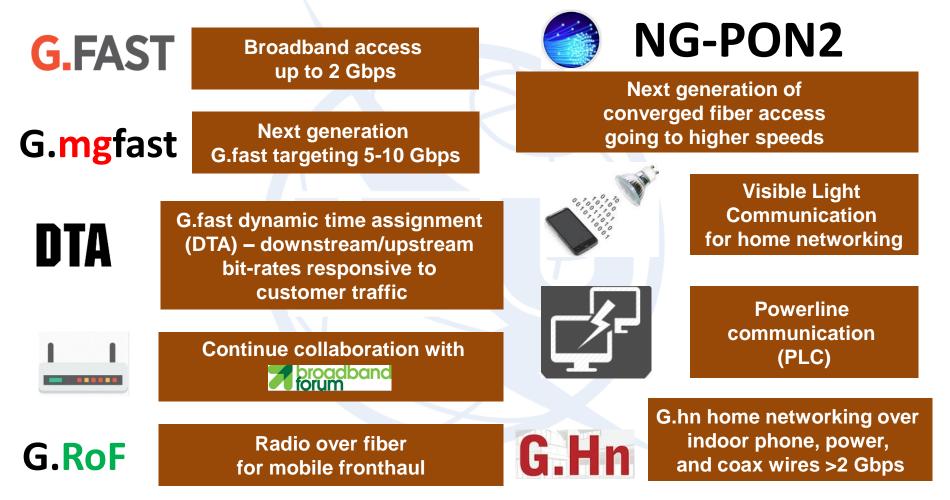


# **SG15 Working Parties**

- WP1/15: Transport aspects of access, home and smart grid networks
- WP2/15: Optical technologies and physical infrastructures
- WP3/15: Transport network characteristics

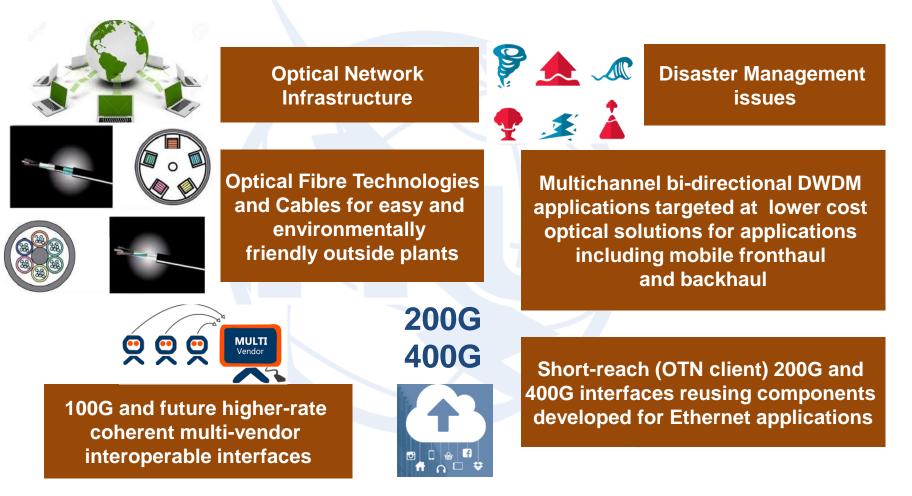


#### **WP1 – Broadband Access**





### **WP2 – Optical Technologies**





#### **WP3 – Optical Transport Networks**



Transport and synchronization supporting 5G mobile fronthaul and backhaul Optical Transport Networks

Synchronization of packet networks and future OTN networks, e.g., beyond 100G



Architecture and other Transport SDN Aspects



Network survivability (protection and restoration)



New "B100G" OTN interfaces, including the use of coherent G.698.2 interfaces under development

Equipment & management specifications for OTN, Ethernet and MPLS-TP



Management aspects of control and transport planes



Core Information model enhancement for management of synchronization and optical media





# Meetings

- Past meetings since 2017
  - Geneva, 19 30 June 2017
  - Geneva, 29 January 9 February 2018
  - Geneva, 8-19 October 2018
- Future SG15 meeting
  - Geneva, 1 12 July 2019
  - Geneva, 27 January 7 February 2020 (tentative)
  - Geneva, 7-18 September 2020 (tentative)



## **Presentations**

- ITU-T Q2 work program, Dr Frank Effenberger (Futurewei), Rapporteur, Q2/15
- Coherent Multi-Vendor Interoperable Specifications in Recommendation ITU-T G.698.2, *Mr Fabio Pittalà (Huawei)*
- Hot topics in Optical Transport Networks (OTN), Dr Steve Trowbridge (Nokia), Chairman, ITU-T Study Group 15



