

F5G Intelligent and Green Networks Towards 2030

Tuesday, 26 March, 14:30 – 15:30, Theater III

Moderators: Philippe Chanclou (Orange, France) and Xiang Liu (Huawei Hong Kong Research Center)

Speakers and Topics:

Frank Effenberger, Futurewei, USA

Perspectives on Next-Generation 200G-PON and FTTR in the F5G-Advanced Era

Ronald Freund, Fraunhofer Heinrich Hertz Institute (HHI), Germany

F5G OpenLab Demonstrations for Low-Latency Industrial Applications

David Hillerkuss, Infinera, USA

Standardization of Open XR Optics and Smart Coherent Transceivers

Jun Shan Wey, Verizon, USA

Values and Standardization of Distributed Fiber Optic Sensing System for Terrestrial Optical Networks

Organized by:



The Standards People

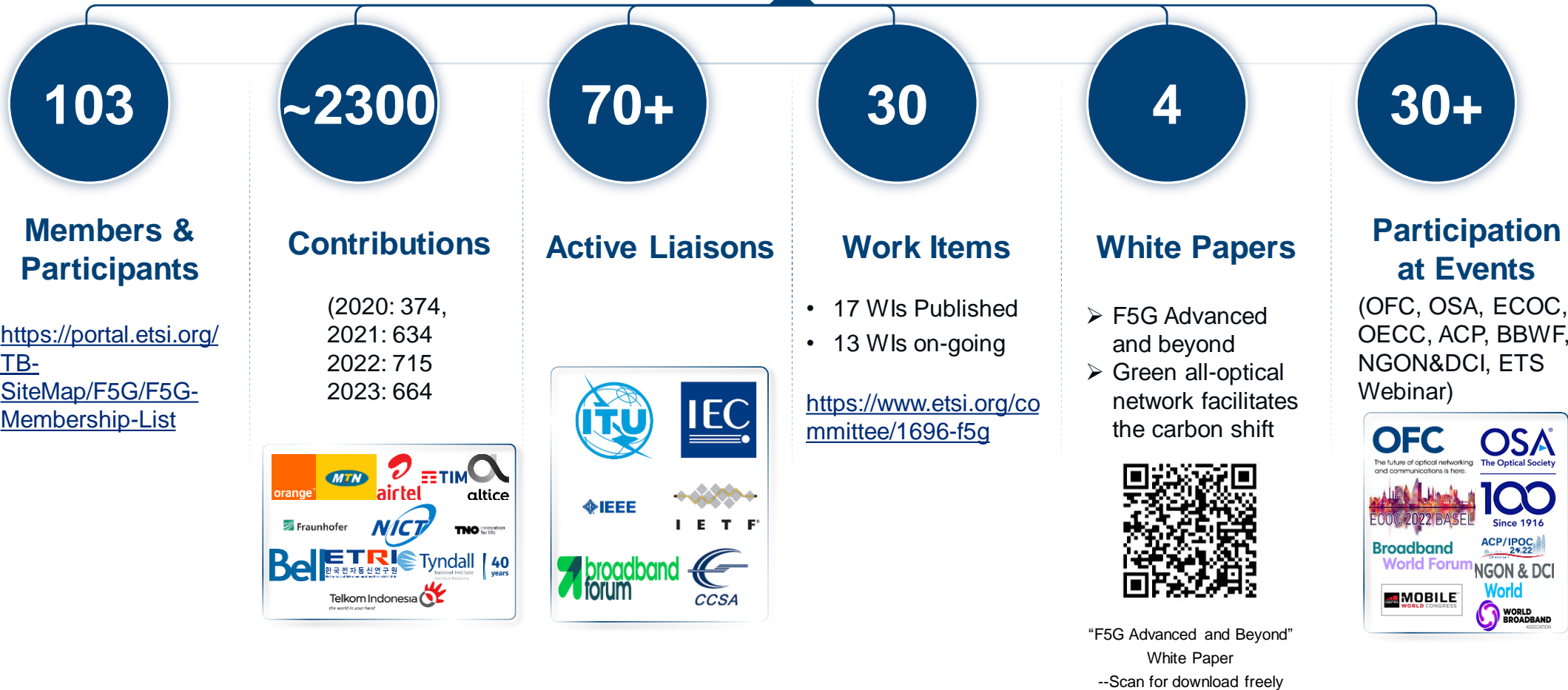
Snapshot of ISG F5G since 2020



F5G Kickoff
(Feb 2020)

4 years operation

Till Now
(Feb 2024)



F5G Releases

	Release 1 – F5G	Release 2 – F5G	Release 3 – F5G-Advanced	
General	001 F5G definition		021 F5G-A definition	
	002 F5G UC v1	008 F5G UC v2	020 F5G-A Use Cases	
	003 F5G TL v1	013 F5G TL v2	023 F5G-A Requirements and Gaps	
	004 F5G arch. v1	014 F5G arch. v2	024 F5G-A architecture	
	006 F5G E2E mgmt		019 F5G AN Levels	027 F5G-A mgmt
QoE	005 QoE definition	015 Home QoE evaluation 015 v1.2.1	017 Home QoE measurement 028 SME QoE 026 Home QoE monitoring	
		007 Industry PON - GR	022 Industry PON - GS	
Access		011 AN Telemetry frame. 016 AN Telemetry model	025 Computing in PON	
			018 OCN arch	
Security		010 Security analysis 012 Security arch		
			029 FTTR testing	
PoC	009 PoC #1 Industrial PON #2 Telemetry #3 Optical Service		#4 Visual Inspection #5 AGV #6 E2E Service mgmt	
Whitepaper	2020: F5G: Bringing Fibre to Everywhere and Everything	2021: F5G Impact & Benefits: Fibre Development Index	2022: F5G Advanced and Beyond	2023: All-fibre network facilitates the Carbon Shift

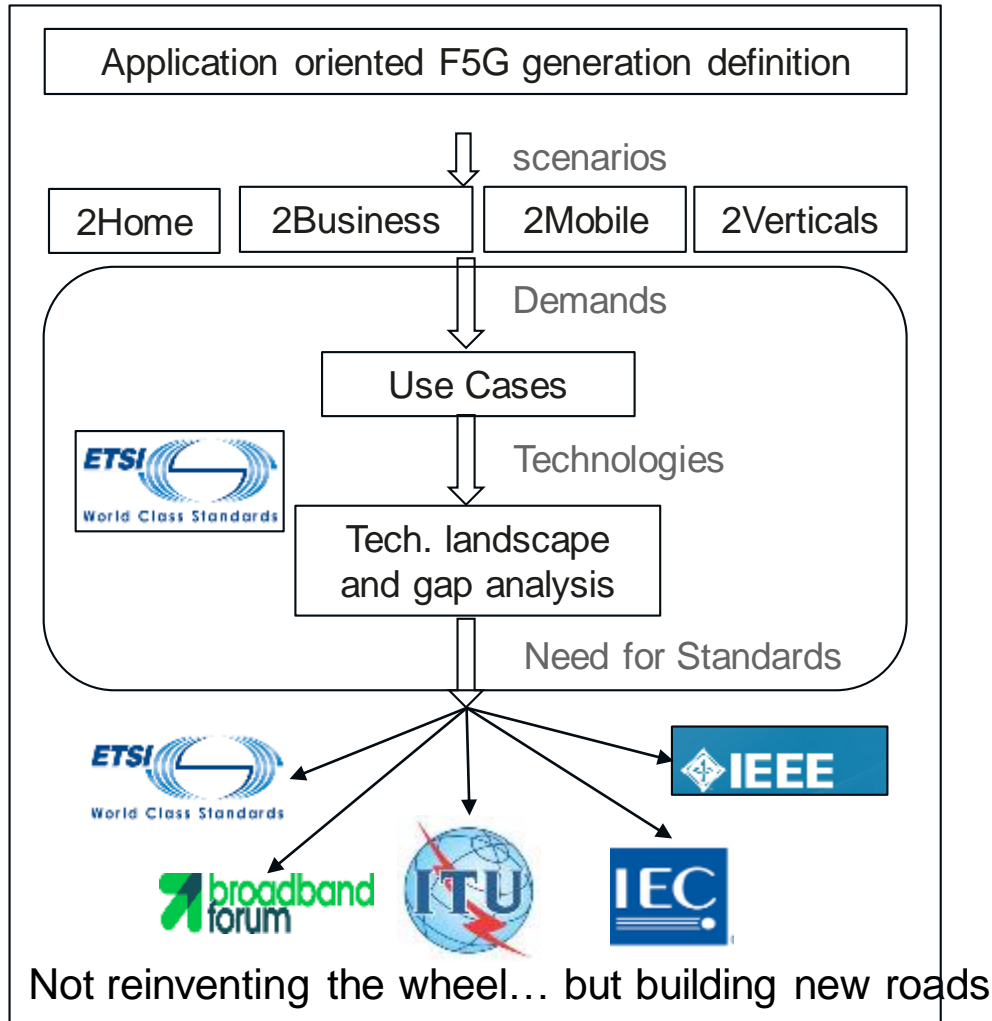
Legend: Published Stable/final draft Early draft Whitepaper

- Use Case Driven
- Roadmap-based
- Holistic
- Rel 4 Planning

Cooperation between ISG F5G and Other SDOs



ISG F5G Serving as the Hub



First 4-party (ETSI, ITU, CCSA and BBF) joint workshop dedicated to FTTR (June 14, 2021)

ITUWebinars

Joint ITU-T SG15, ETSI ISG F5G, CCSA TC6 and BBF Workshop on:

Fibre-to-The-Room (FTTR)

14 June 2021
14:00 - 18:00 CEST

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

Co-organized by:

broadband forum CCSA ETSI ITU

Second 4-party (ETSI, ITU, CCSA and BBF) joint workshop dedicated to FTTR (June 28, 2022)

← Back

Second Joint ETSI ISG F5G, BBF, CCSA TC6 and ITU-T SG15 Workshop on Fibre to the room (FTTR)

Upcoming Events ETSI Seminar Plugtests Webinars Past Events Events Contacts Find Us

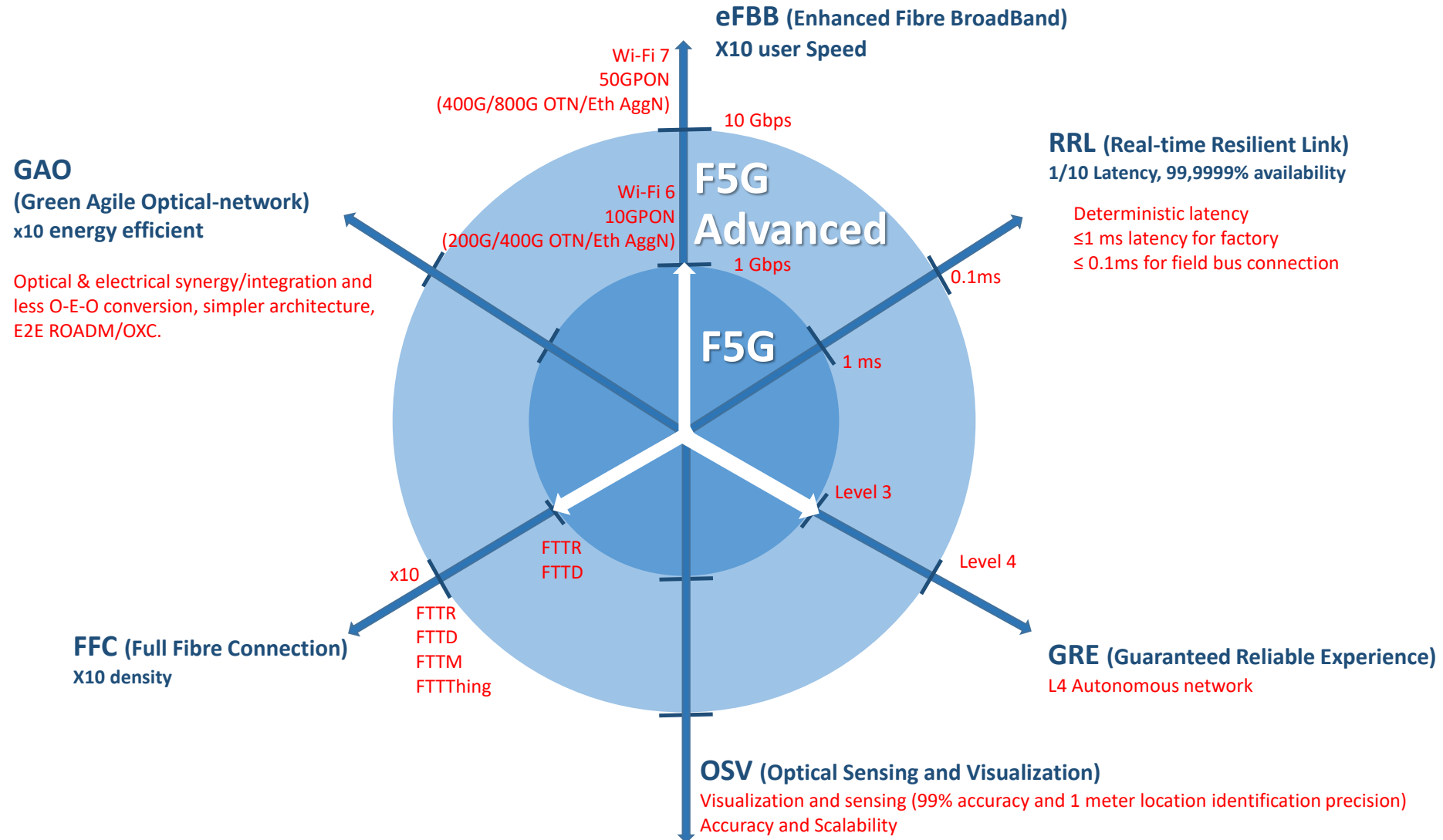
Virtual Event

€ Free of charge

28 June 2022

Register now Contact us

Cooperation between ISG F5G and Other SDOs



F5G Advanced for 10Gbps Everywhere

Fibre to EVERYWHERE and EVERYTHING

- Moving from copper to fibre improves quality, performance, and energy usage
- Making the next step to 10Gbit/s to customers everywhere

F5G Advanced Key Technologies

- Wi-Fi 7
- FTTR, FTTO,
- FTTMachine
- 50G-PON
- fgOTN and 800G
- Intelligent and autonomous E2E management
- All-optical networking to CO

F5G Advanced Key Features

- Isolation and separation of traffic
- Optical Cloud Networks: On-demand, service oriented
- Next level of Quality of Experience
- Collaboration of Networking and Compute
- Fibre sensing
- Energy-efficient architecture

Thank you.