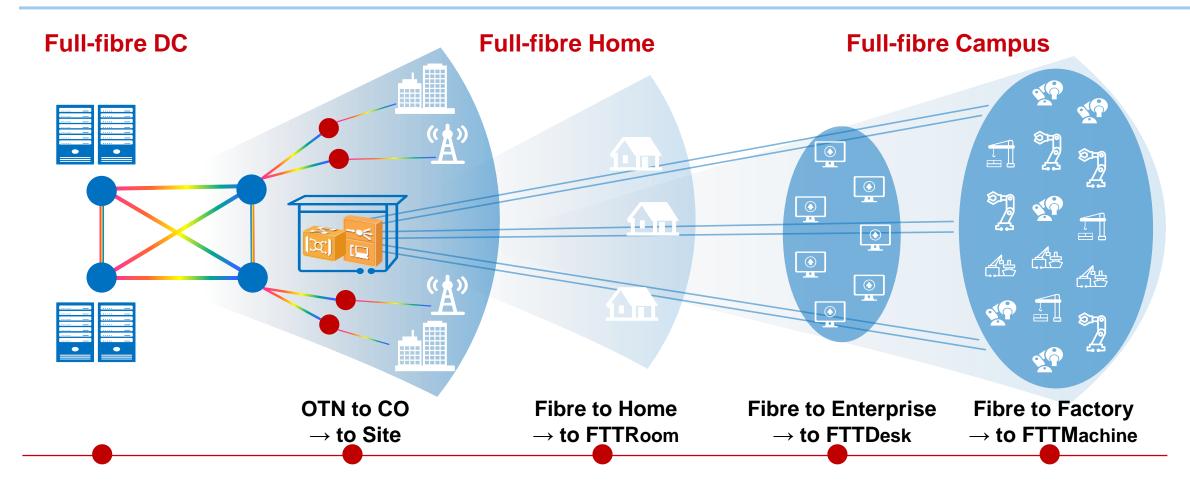


October 14, 2020

Fibre to Everywhere for an Unlimited Future





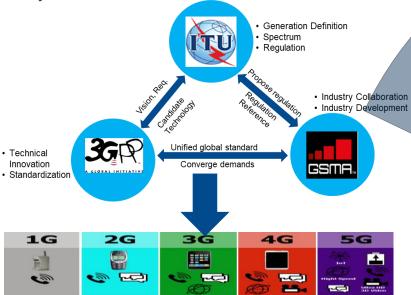
Fiber to Everywhere to make fixed access future proof

- Extending to more end-user: 2Home, 2Room, 2Business, 2Comsumer, 2Mobile, 2Device, 2Machine, etc.
- ightharpoonup Reducing everywhere the fibre-to-end user distance: Km \rightarrow 100m \rightarrow 10m \rightarrow 1m
- ETSI > Number of connections expanding: X3 (Room), X10 (Desk), X30 (Machine), X100 (Smart city)

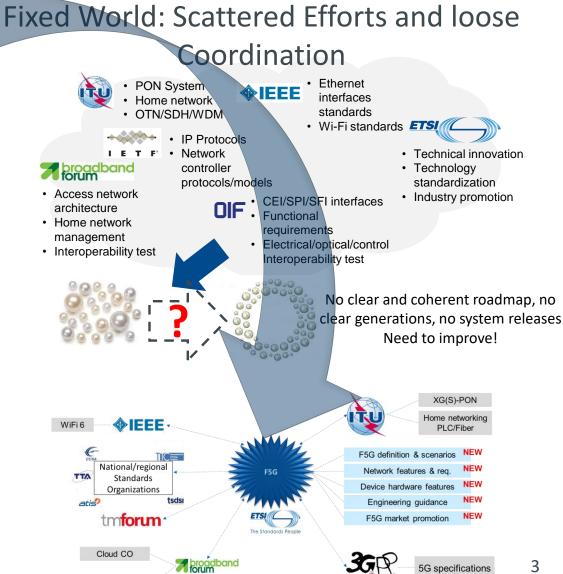
Learning from Mobile: improving the standard process in Fixed Networks



Mobile World: Sync'ed Work of few entities



Clear roadmap, tech generations and system releases very good synergy



FMC 5G FMC NEW

ISG F5G snapshot



Membership: increasing from 10 founding members in Feb to 48 in Sep 2020









Lancaster University









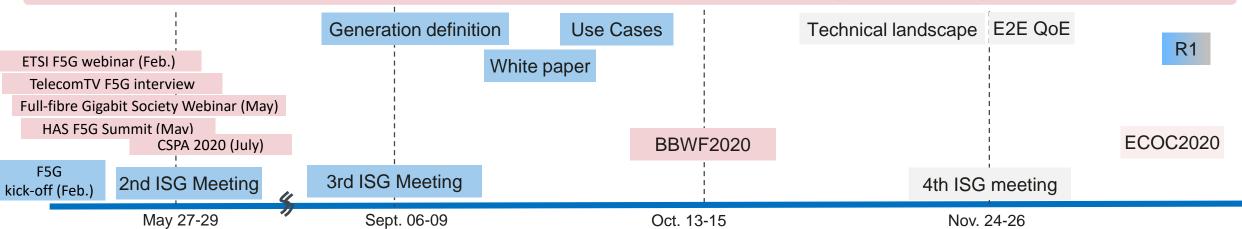








Work Plan: 3 documents finalized (WP and 2 deliverables) 2 more in progress for R1 (target 2020)

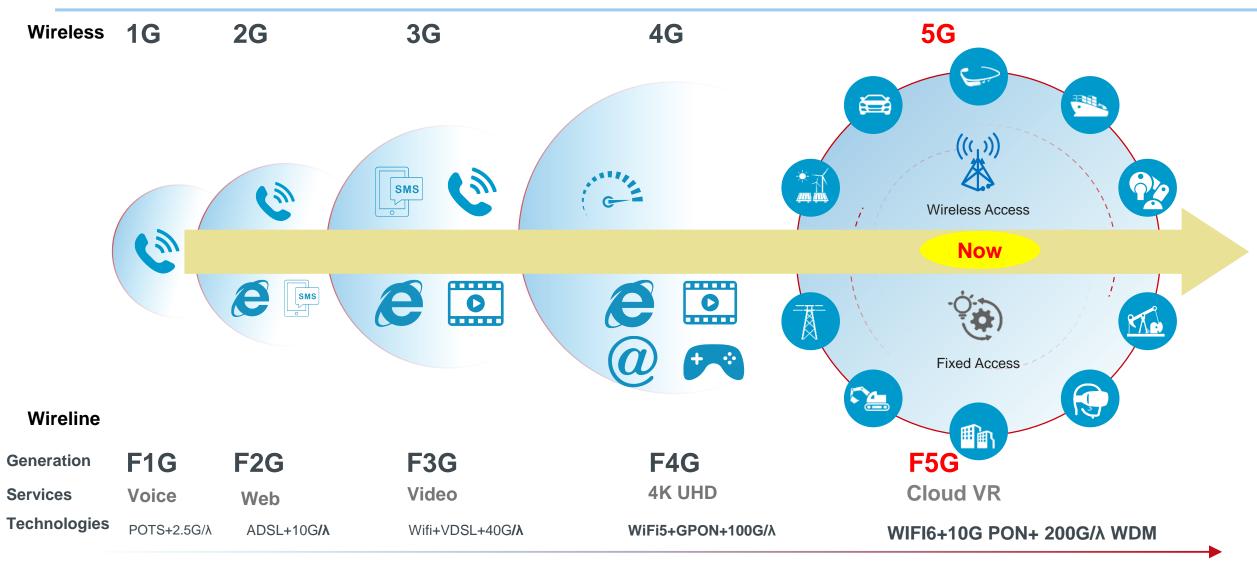


© ETSI

Identifying Generations for Fixed Network

© ETSI



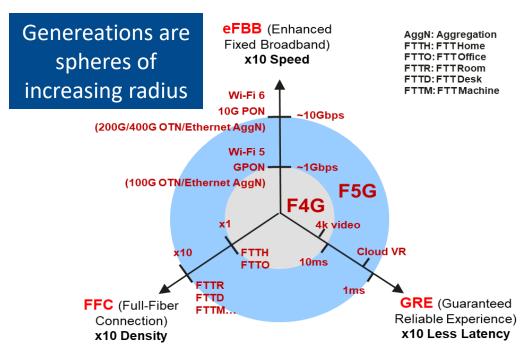


F5G: what does this generation deliver

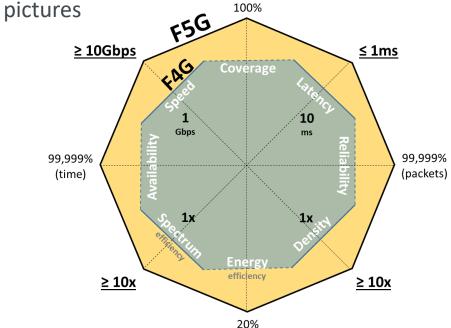


Represent the most important features in a 3 dimensional space:

- eFBB (enhanced Fixed BB): BB Line technology performance
- GRE (Guaranteed Reliable Experience): Service supported by minimum guaranteed latency
- FFC (Full Fibre Connectin density)



Increasing the number of parameters that F5G will address, (Energy Efficiency, Availability, Reliability, Spectrum Efficiency, Ceverage...) one can gets poligonal

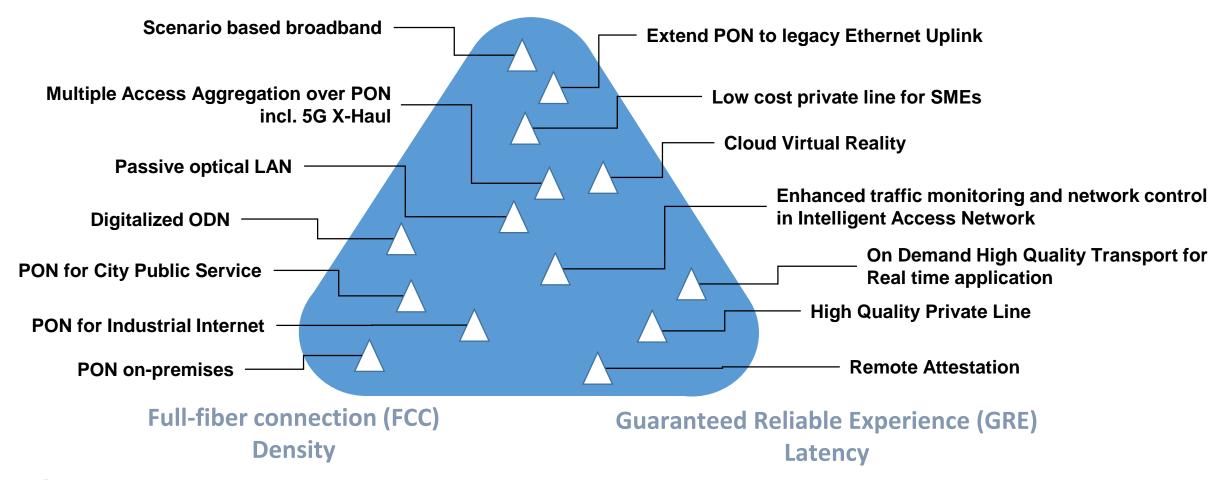


Use Cases



14 Accepted Use Cases for R1

Enhanced Fixed Broadband (eFBB)
Speed



F5G White Paper –Approved by ETSI



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https://www.etsi.org/technologies/fifth-generation-fixed-network-f5g

https://www.etsi.org/media-library/white-papers



Moving forward

Ongoing and short-medium term

- Group Specification of Technology Landscape, Gap Analysis, and F5G Requirements for R1
- Group Specification of the F5G Architecture, E2E Management, and Quality of Experience R2
- Group Report for Use cases and technology landscape for vertical and industrial scenarios (e.g. Industrial PON)

Long Term

Evolution to next generation

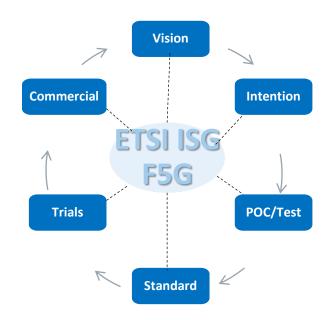
New Use Cases for growing the F5G eco-system are welcome!

ISG F5G: a great potential for everyone



ISG F5G grows full-fiber industry

Target: leading global standards gathering to drive the 5th generation fixed network.

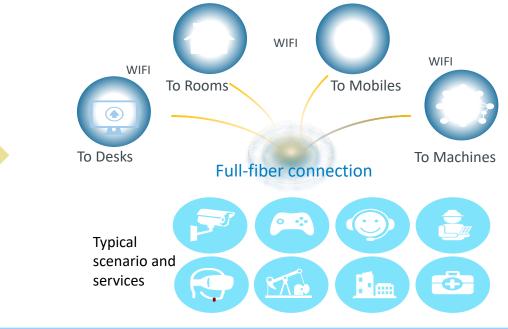


Fiber opens up a trillion \$ market space

1 Trillion \$
Market Space

50 Millions
Fiber km/Year

50 Millions Fiber-connections/Year



F5G ISG: standards for the full-fiber ecosystem



Thank you!



Together, we make it happen.

