



# Fixed 5<sup>th</sup> Generation Advanced

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# The pacing of generations



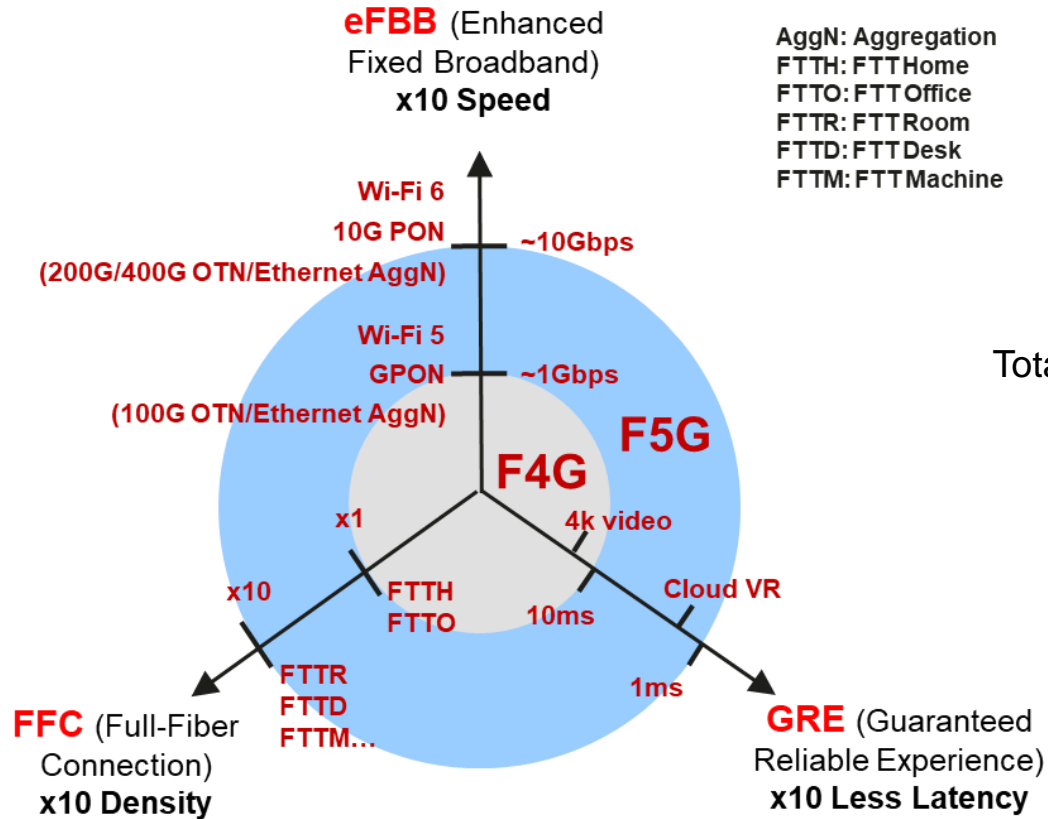
- Historically, major deployment generations happen every 10 years
  - F5G expects to follow this rhythm, meaning F6G will happen in 2030
- The fixed network contains many different technologies
  - It is unrealistic to expect all these things to synchronize their development
  - For example, PON generations happen 2005, 2015, and 2025
- The F5G Advanced work can be thought of as a “F5.5G”, an interim step forward in capabilities, that allows all the technologies to happen in their natural time

# Drivers of F5G Advanced

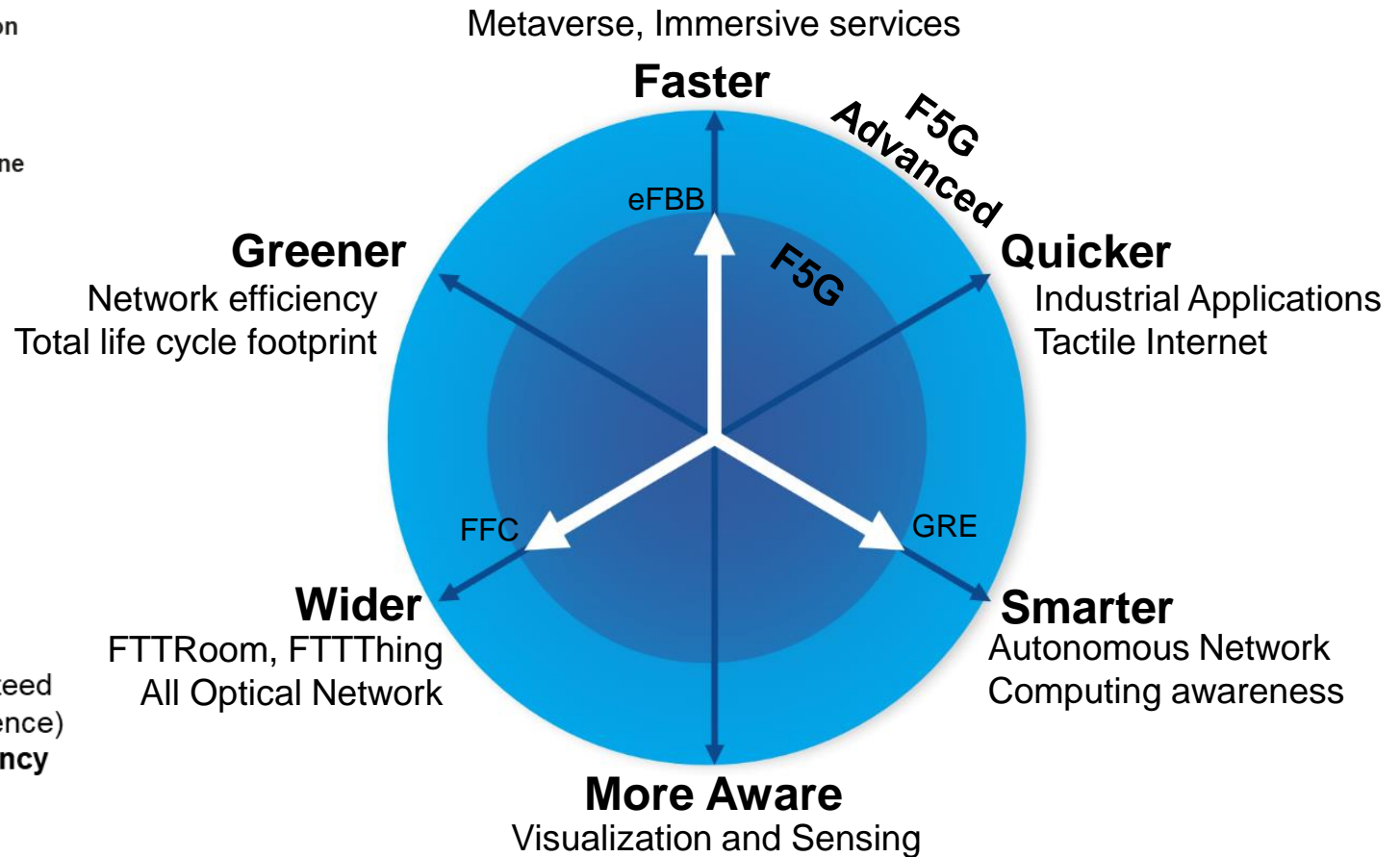
- Digitization or cloudification of applications
  - UHD immersive experience services
  - Enterprise digitization and cloudification
  - Industry going fibre
  - Metaverse as a driver for new infrastructure capabilities
- Network infrastructure improvements
  - Digitization of network operations
  - Optical fibre infrastructure becoming ubiquitous
  - Smart infrastructures for a sustainable society
  - The green challenge
  - Business environment change

# Performance dimensions

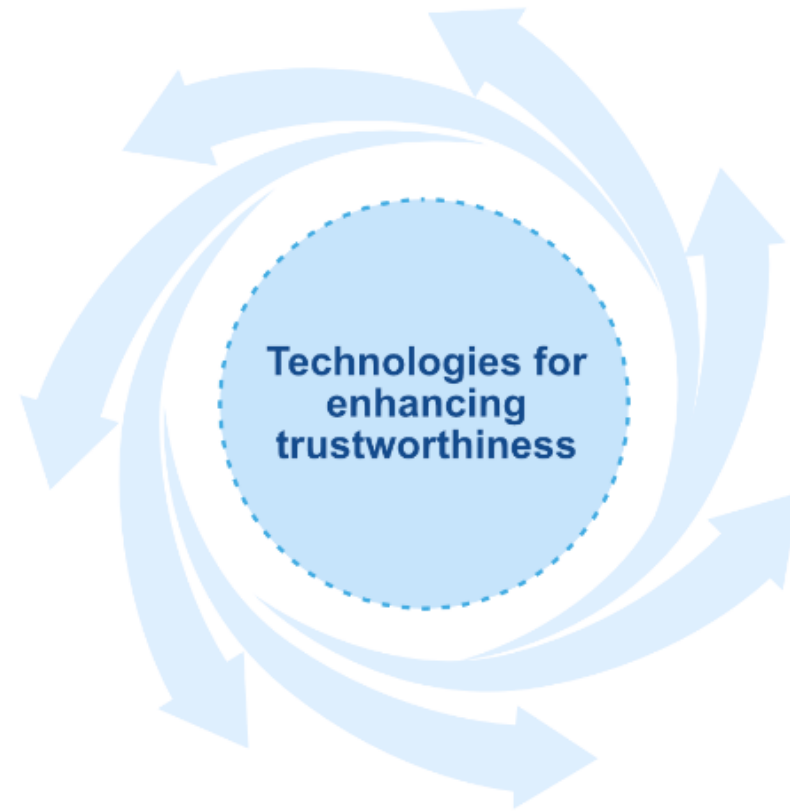
## The three dimensions of F5G



## F5G Advanced: Extend and Expand



# Key Technologies



# Way forward

- Now that the first white paper on F5G Advanced and Beyond is complete, work can begin on realizing all of its components
  - Use cases
  - Architectures
  - Technology studies
  - Gap identification
  - Liaison with all relevant SDOs
- All are welcome to join in this work





Thank you.

