



5G USE CASES

A 5G Americas White Paper

November 2023

Presentation Slides

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"5G technology is still evolving to meet diverse needs. Customers are benefiting from faster mobile broadband on 5G phones, and future business potential will stem from tailored solutions. Supportive regulations for additional spectrum and closing the digital divide are crucial for tapping into 5G's possibilities."

Chris Pearson, President, 5G Americas



"The 5G ecosystem is maturing and new, groundbreaking use cases are beginning to emerge. With standalone networks growing, 5G continues to be at the forefront of innovation and bringing new applications and solutions to life."

Paul Bongaarts, Senior Member of
Technical Staff, T-Mobile US

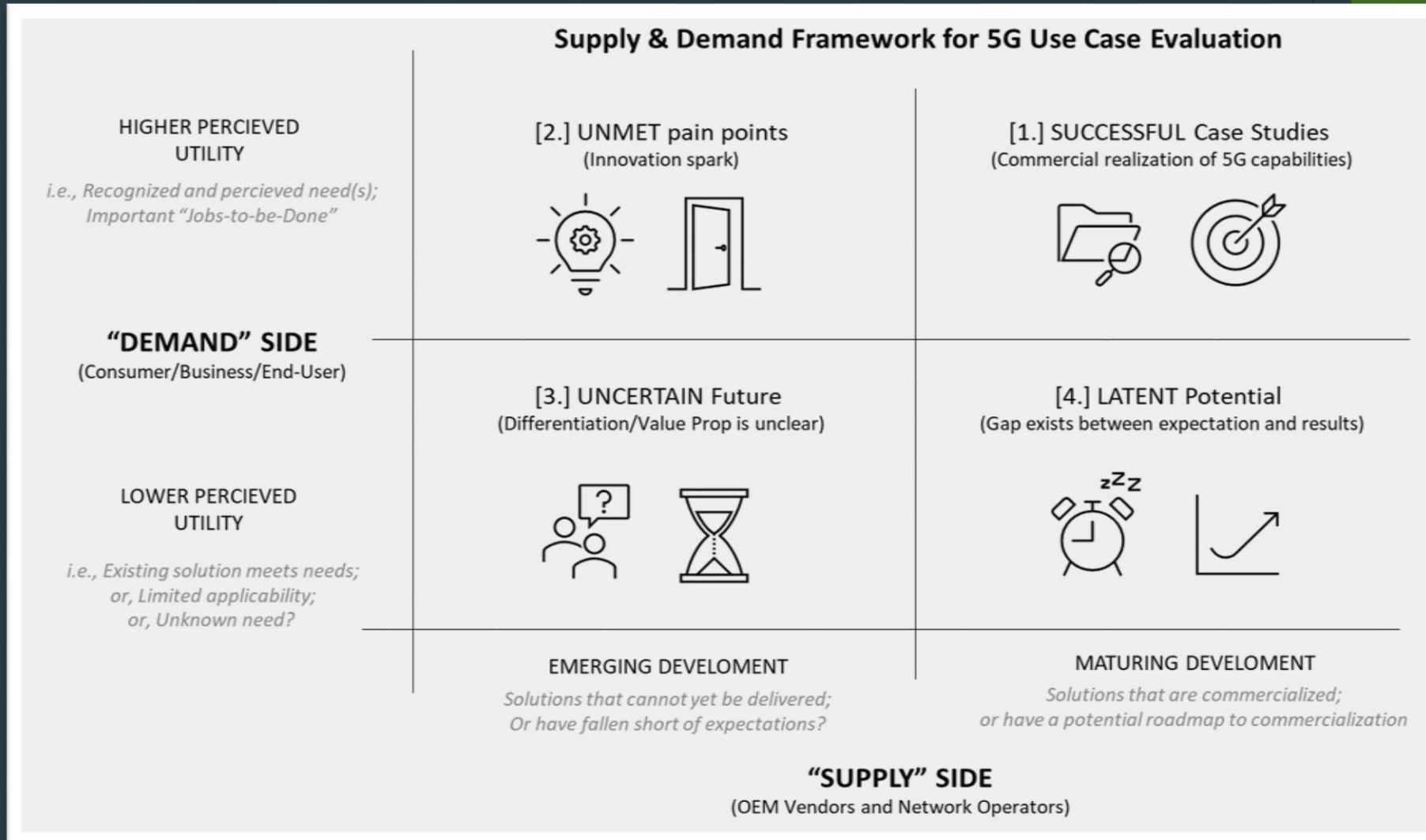
“The increasing adoption of Standalone (SA) 5G networks, we are witnessing a shift in the industry that is leading the way to a significant transformation. SA deployments can simplify networks by eliminating 4G dependency and accelerating 5G expansion in industrial applications, FWA, and private networks. As a result, we expect to experience the full potential of 5G in these domains.”

Prashanth Devaraj, Director of Technology,
Networks Business, Samsung Electronics
America

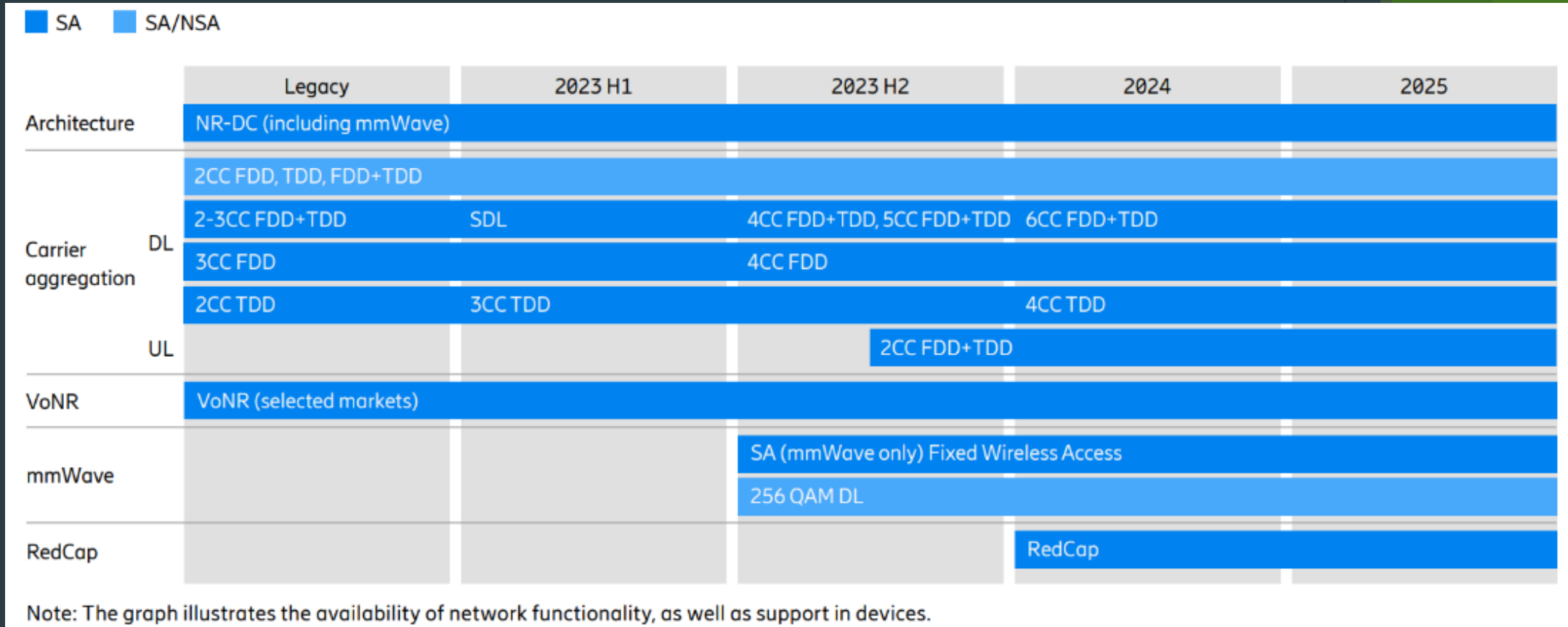


Santosh Kumar, Staff Engineer, Technical Solutions for the Networks Business at Samsung Electronics America was also a part of the 5G Americas working group where he played a pivotal role as a co-leader on this project.

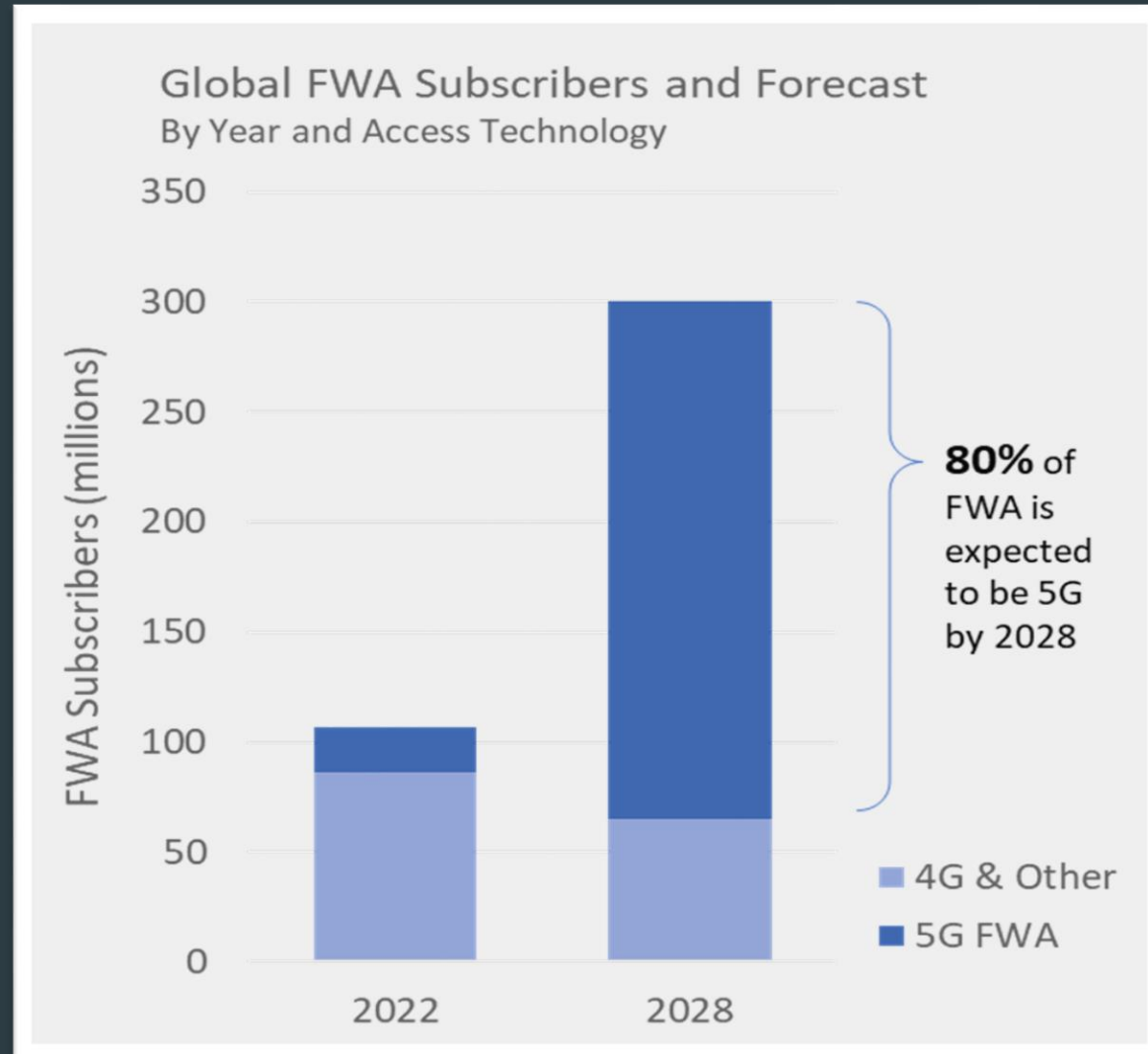
Supply & Demand Framework for 5G Use Case Evaluation

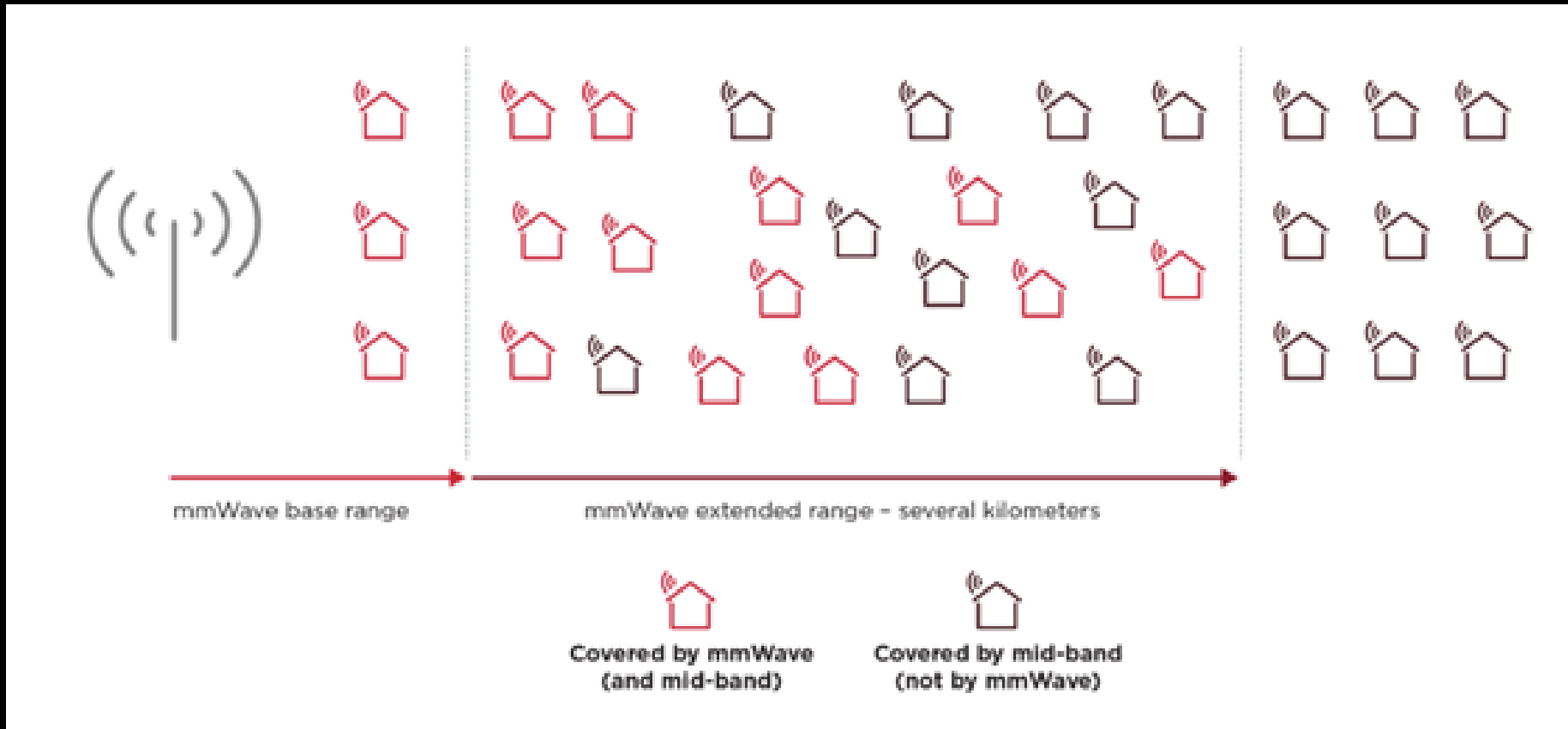


5G Technology readiness by Standalone and Non-Standalone 5G networks (Ericsson Mobility Report, June 2023)

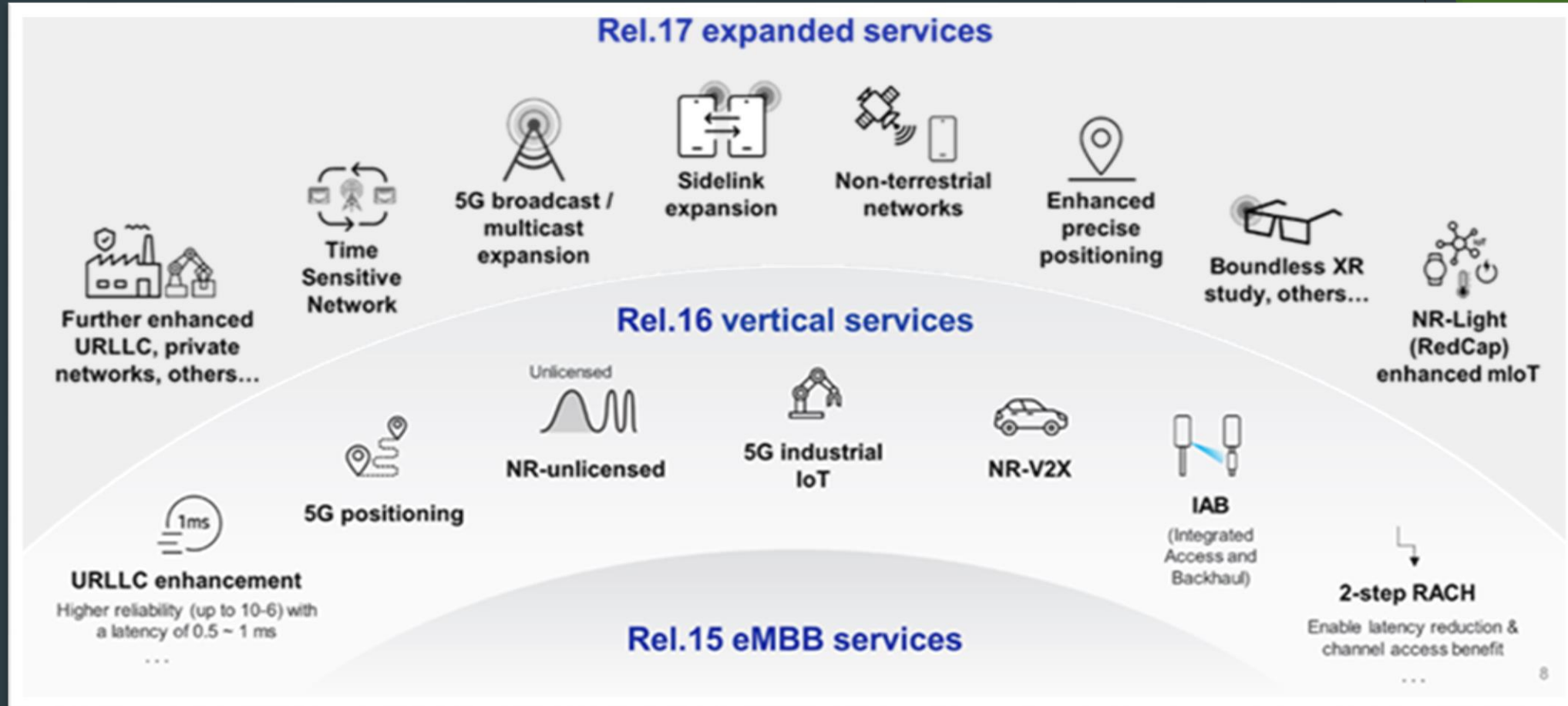


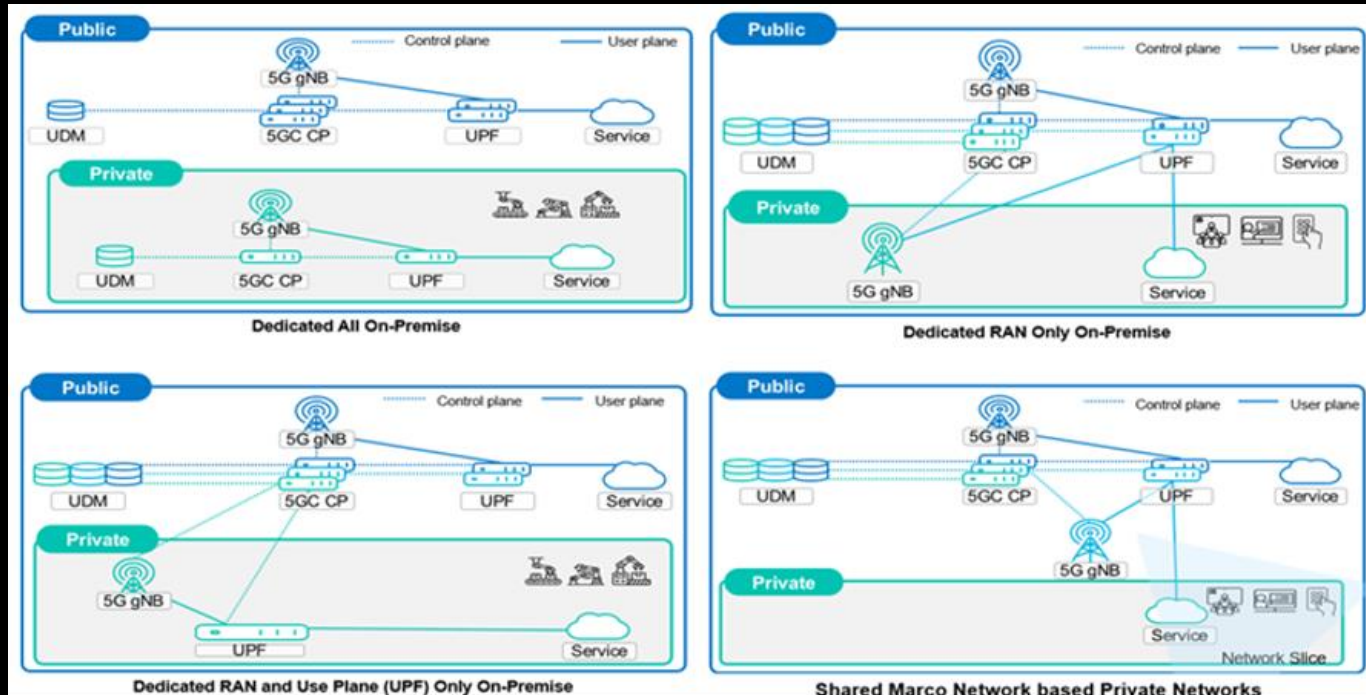
Global FW Subscriber & Forecast





mmWave extended range can be used to provide FWA across several Km (Source: GSMA 5G mmWave coverage extension solution whitepaper)





5G Deployment Models (Samsung, 5G Americas)