5G SA
The Innovation Platform

- Verticals – Society, transformation
- The promise of 5G Stand Alone
- Critical gaps- Call for Action

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Evolving enterprises, government and industry trend
Drives the need for robust connectivity

Enterprise connectivity challenges

- Multiple separate networks for communication
- Performance limitations: Reliability, coverage, security, mobility
- Data speeds: Throughput, latency

Industry trends

- Innovation shifts from core applications to the edge
- Growing demand for high-speed secure data applications
- Industry 4.0 transformation

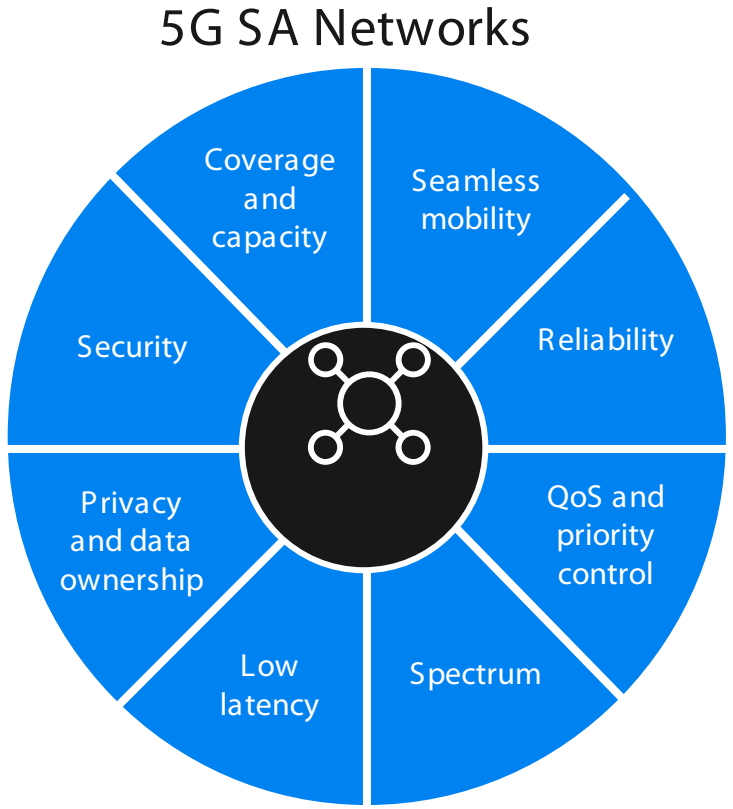
Mission Critical / Utilities

Network availability

High availability required as life or business is dependent on network performance.

Coverage and capacity

Extending network coverage and capacity for mission-critical users; beyond what is typically available for commercial users.

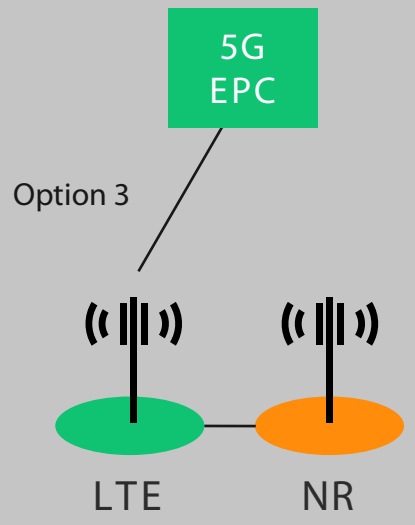


Non-Standalone and Standalone

- Based on existing LTE/EPC architecture
- NR for capacity boost and 5G peakrates
- NSA is deployed in the majority of all commercially launched 5G networks

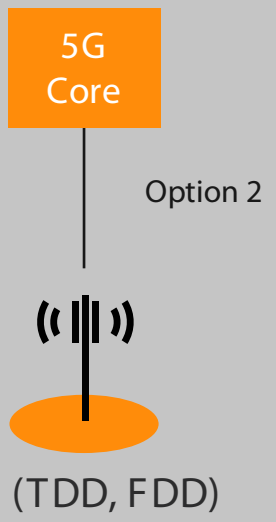
Non-Standalone

5G NR needs LTE anchor + 5G EPC



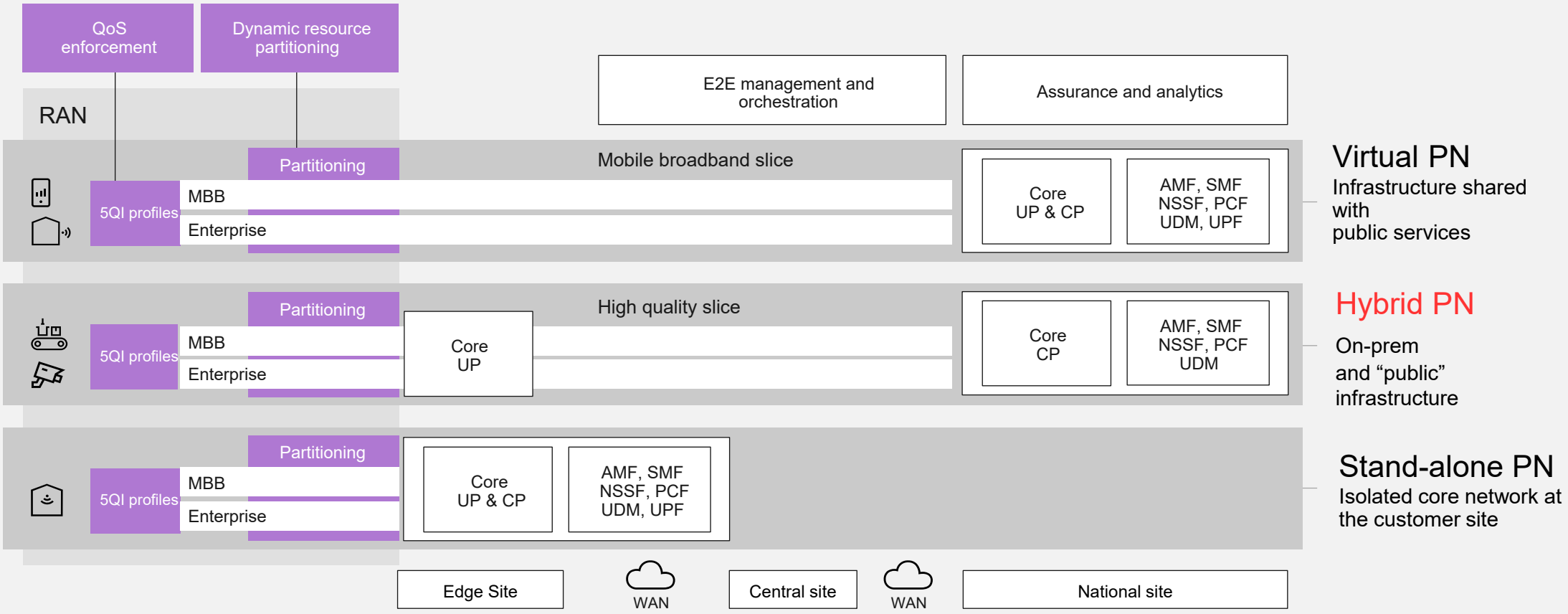
Standalone

5G NR + 5G Core



- Simplified RAN and UE architecture
- UE is connected to 5GC and NR only
- Enhanced support for:
  - **Network slicing**
  - Edge deployments
  - Network Exposure
- Addressing use case beyond eMBB

Network slicing for B2B Needs – Flexible deployment



- Network slicing can support different use cases for B2C, B2B and B2B2X markets
- 5GSA coverage and core distribution key enablers together with QoS enforcement

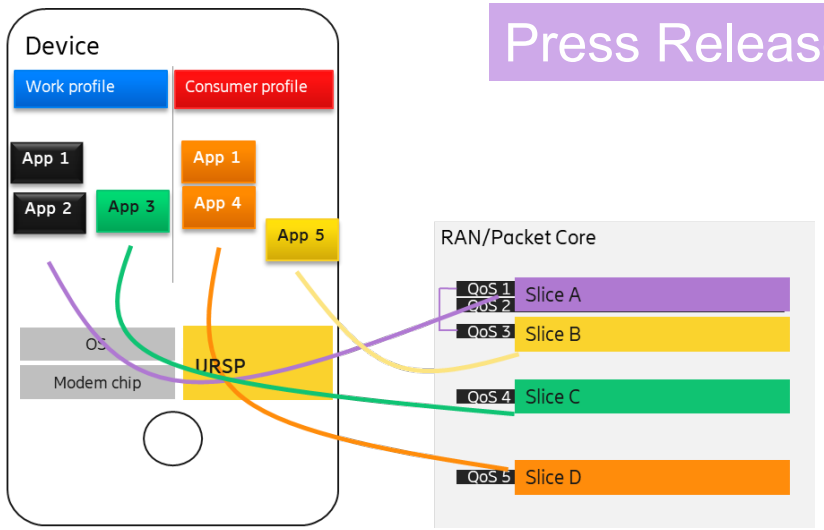
Android 13 device booster for Consume and Enterprise applications

Full commercial Ericsson support with Multiple slices for both:

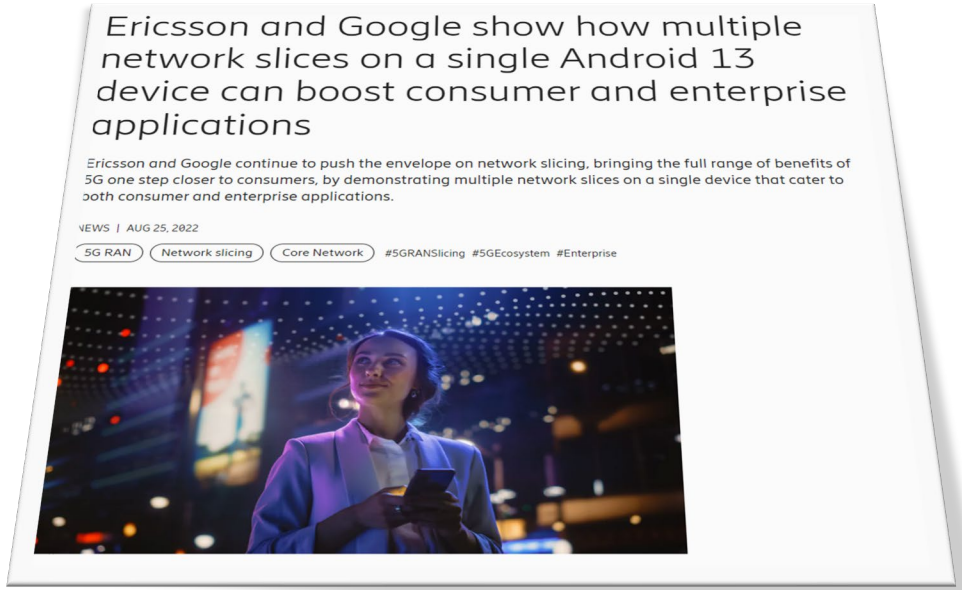
- Enterprise profile
- Consumer profile

Up to Max 8 Slices for a User Equipment

Assumption:
OS will provide different categories of slices to applications

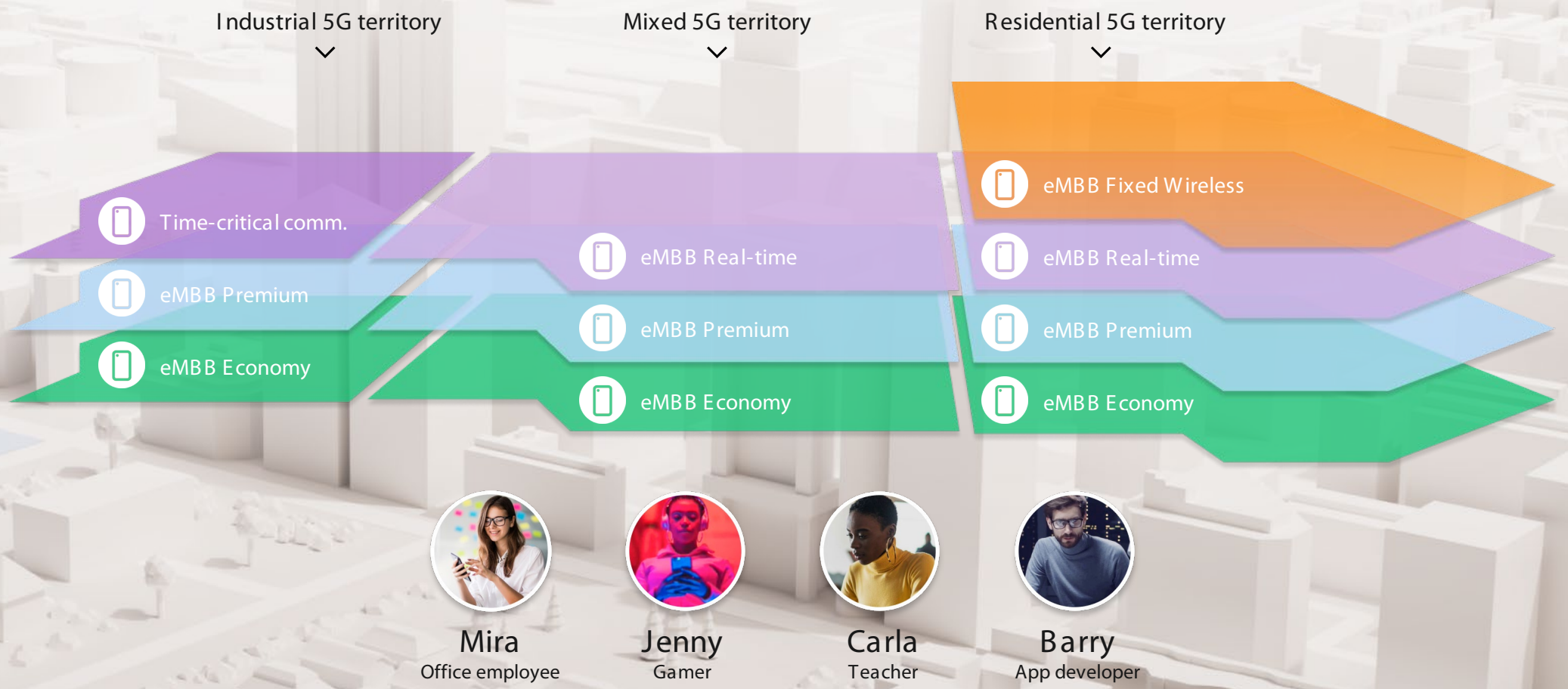


Press Releases



Android leading in slicing, other OSs expected to follow 2023/2024

Multi-subscription and Multi-performance



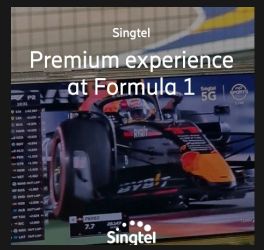
5G Standalone opportunities

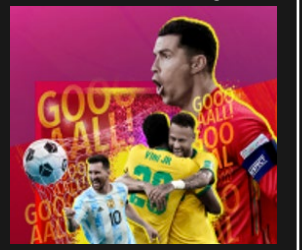
Fixed-wireless access

XPLORNET · SoftBank · etisalat by e& · FASTWEB · T-Mobile · Jio 5G

Multiple operators

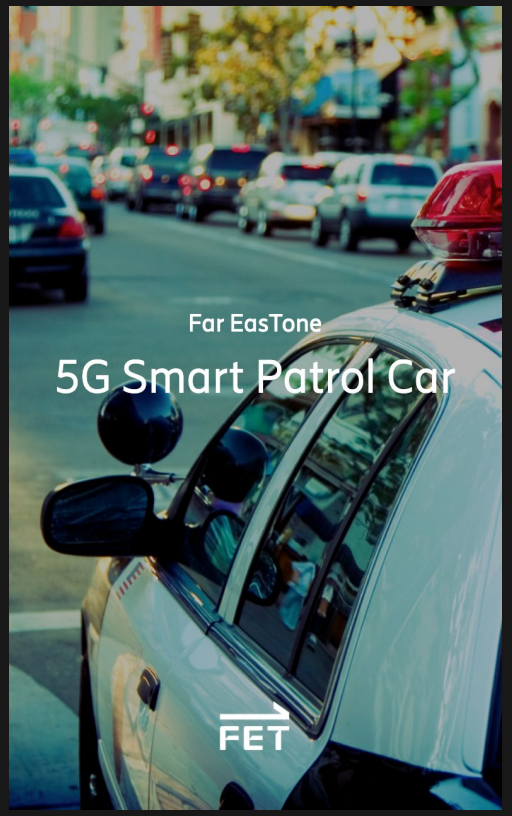
Slicingfor premium connectivity





Singtel

Slicingfor public service in Taiwan

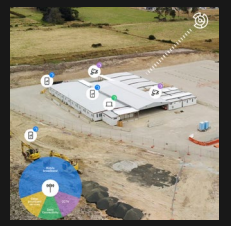


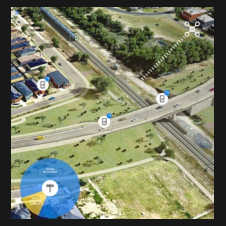
Far East Tone

Slicingfor live broadcast

Multiple operators

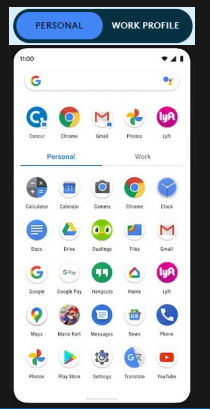
Slicingfor construction company in Melbourne

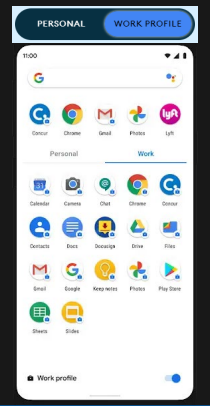




Telstra

Multiple subscriptionssamedevice

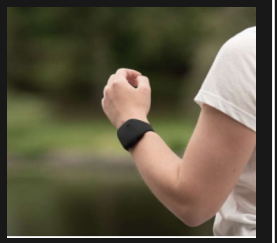




Multiple operators

XR devices

Wearables



Global state of 5G deployment

Global figures

260

Global 5G Live Networks

GSA August 2023

36

Global SA Live public Networks

GSA July 2023

48%

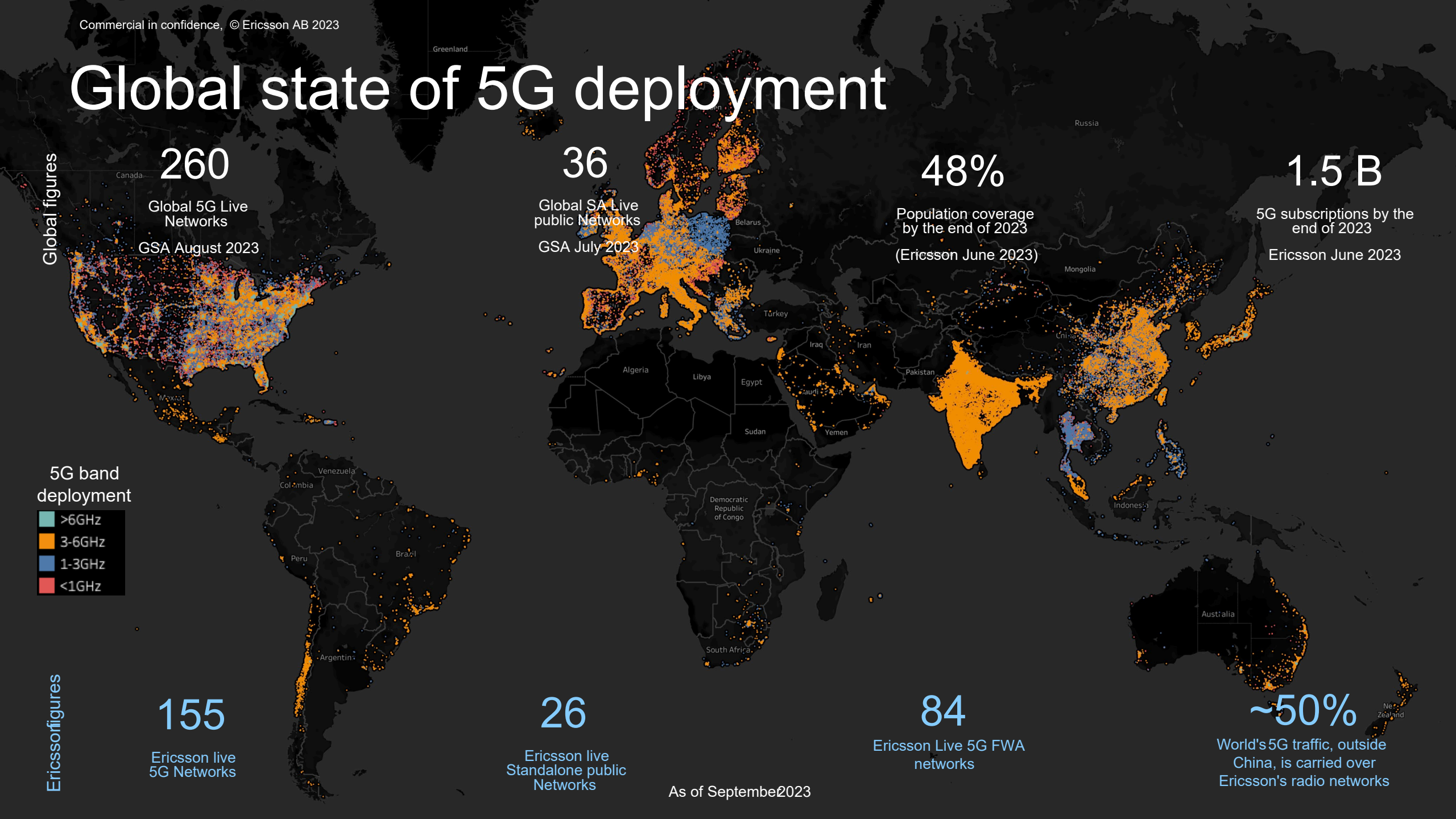
Population coverage by the end of 2023

(Ericsson June 2023)

1.5 B

5G subscriptions by the end of 2023

Ericsson June 2023



Ericsson figures

155

Ericsson live 5G Networks

26

Ericsson live Standalone public Networks

84

Ericsson Live 5G FWA networks

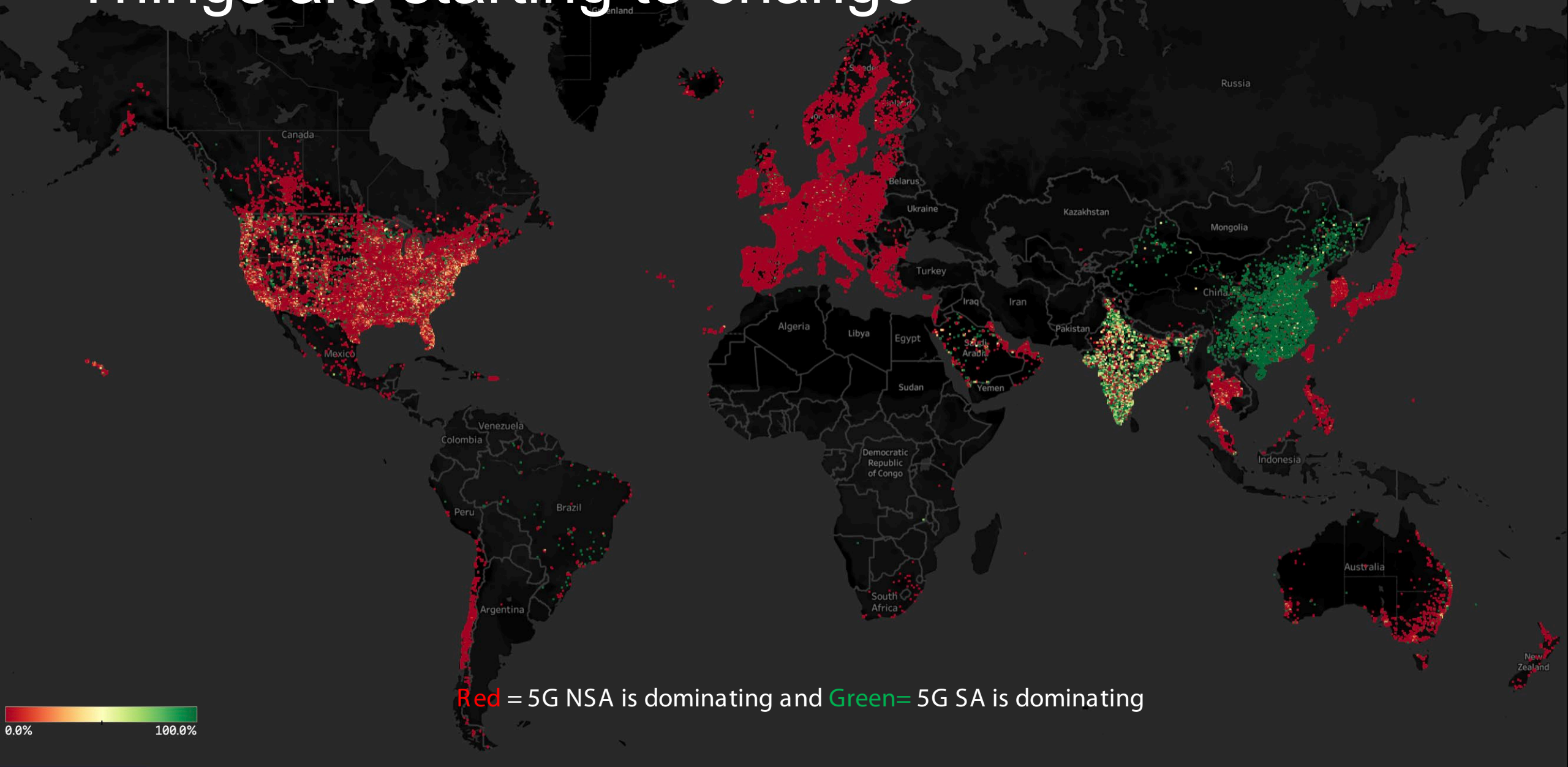
~50%

World's 5G traffic, outside China, is carried over Ericsson's radio networks

As of September 2023

Source: Ericsson analysis on Cell rebel data
Note: Samples include Android smartphones connecting to a 5G NSA/SA network. Samples from the period Feb 6th, 2023 to May 7th, 2023.

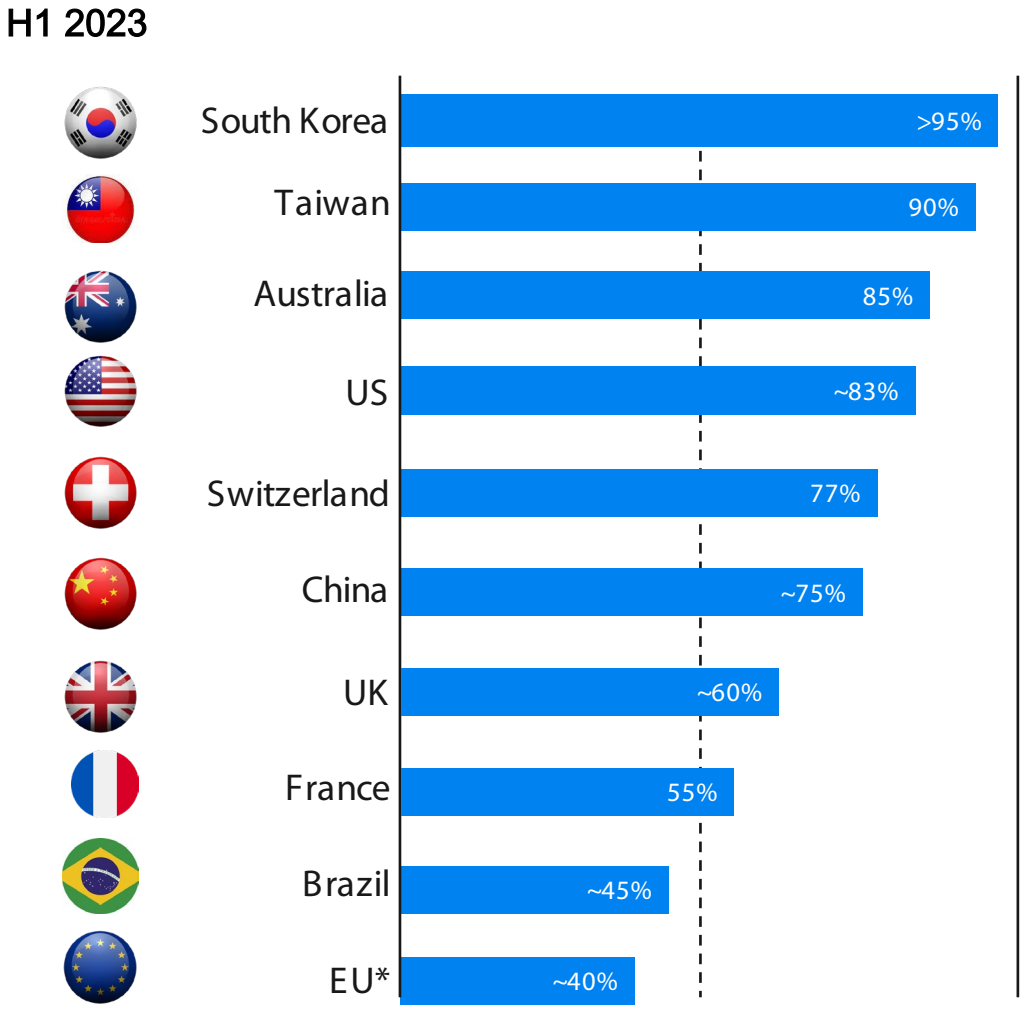
Things are starting to change



Red = 5G NSA is dominating and Green= 5G SA is dominating

5G mid-band TDD deployment updates

% of covered population

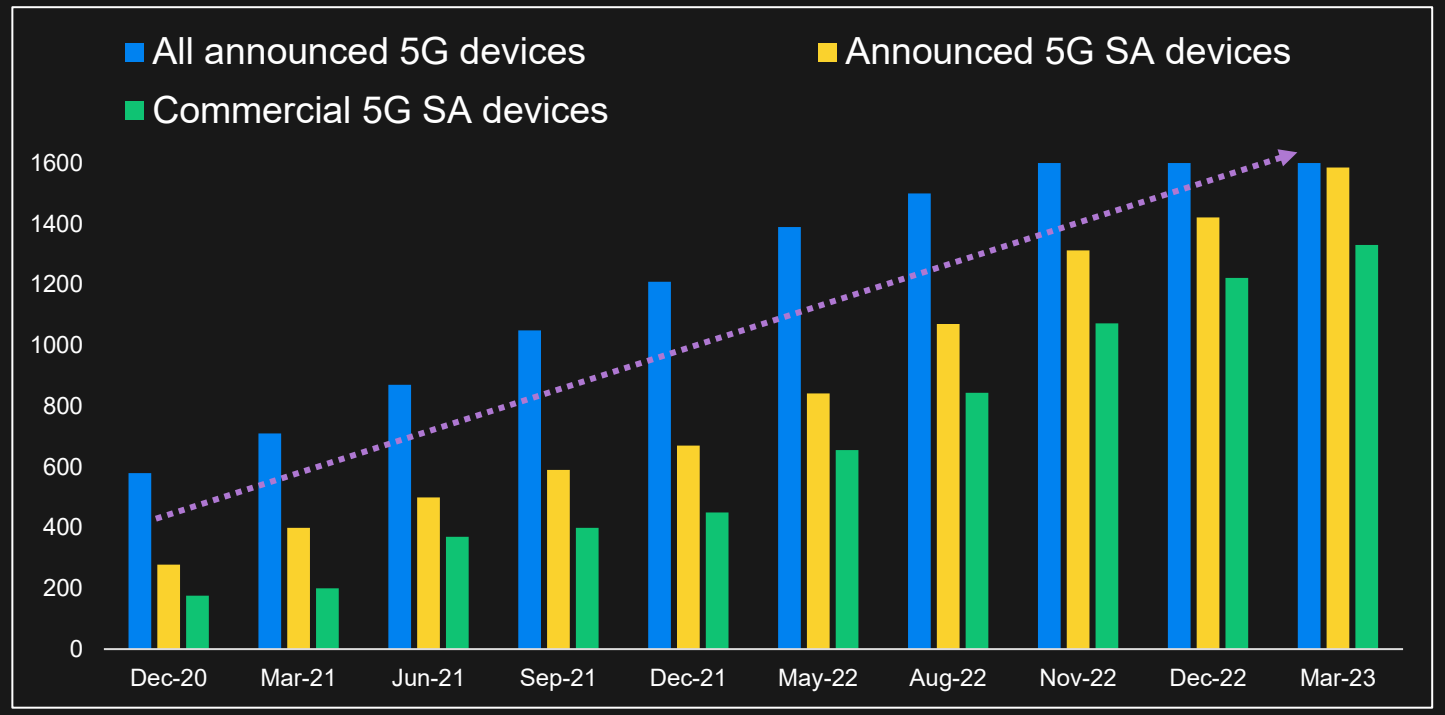


Europe is far behind US and Asia on 5G mid-band TDD deployment

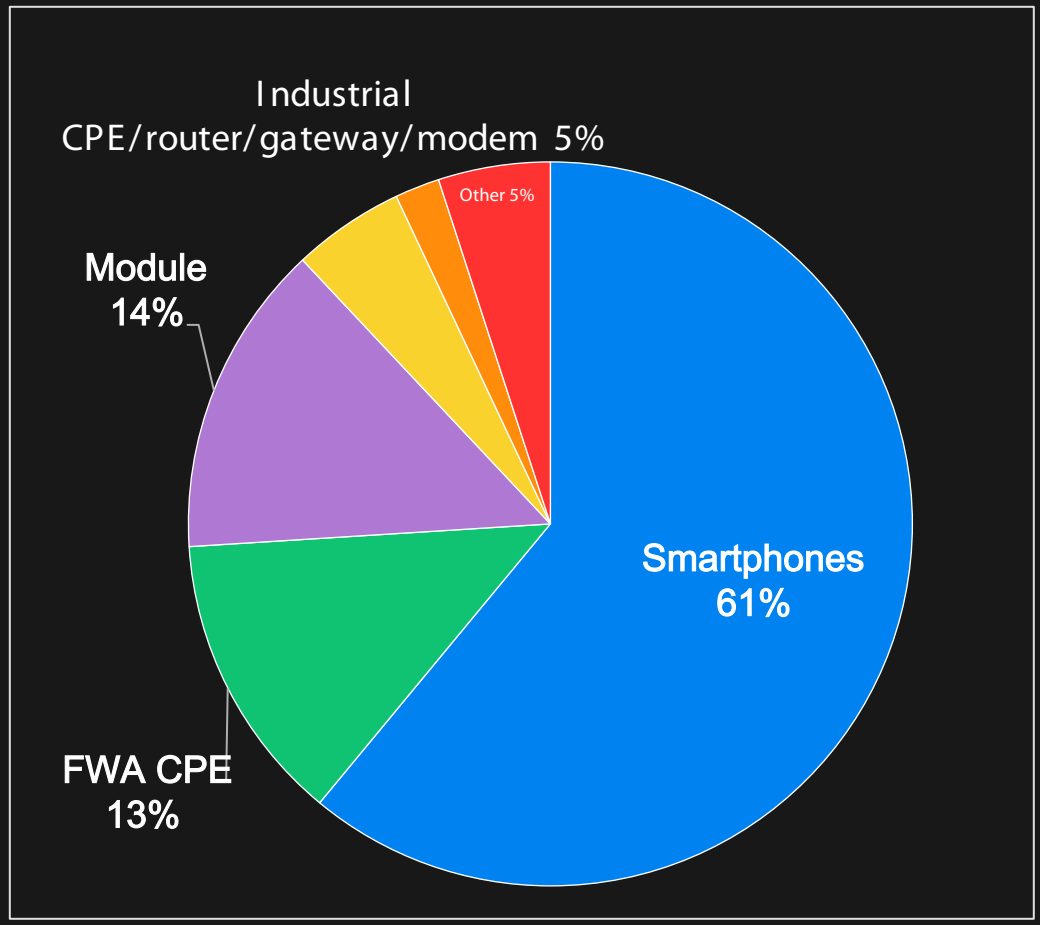
(*) EU 2030 Digital Decade 2023 report

Device ecosystem ready – rapid growing availability

1300+ 5G SA devices commercially available



5G SA commercially available devices



Source: GSA 5G SA report March 2023

Call for action

- Increase mid band penetration
- Deploy 5G SA architecture
- Implement enablers for service differentiation (slicing)
- Drive regional ecosystem development