

Ericsson Mobility Report

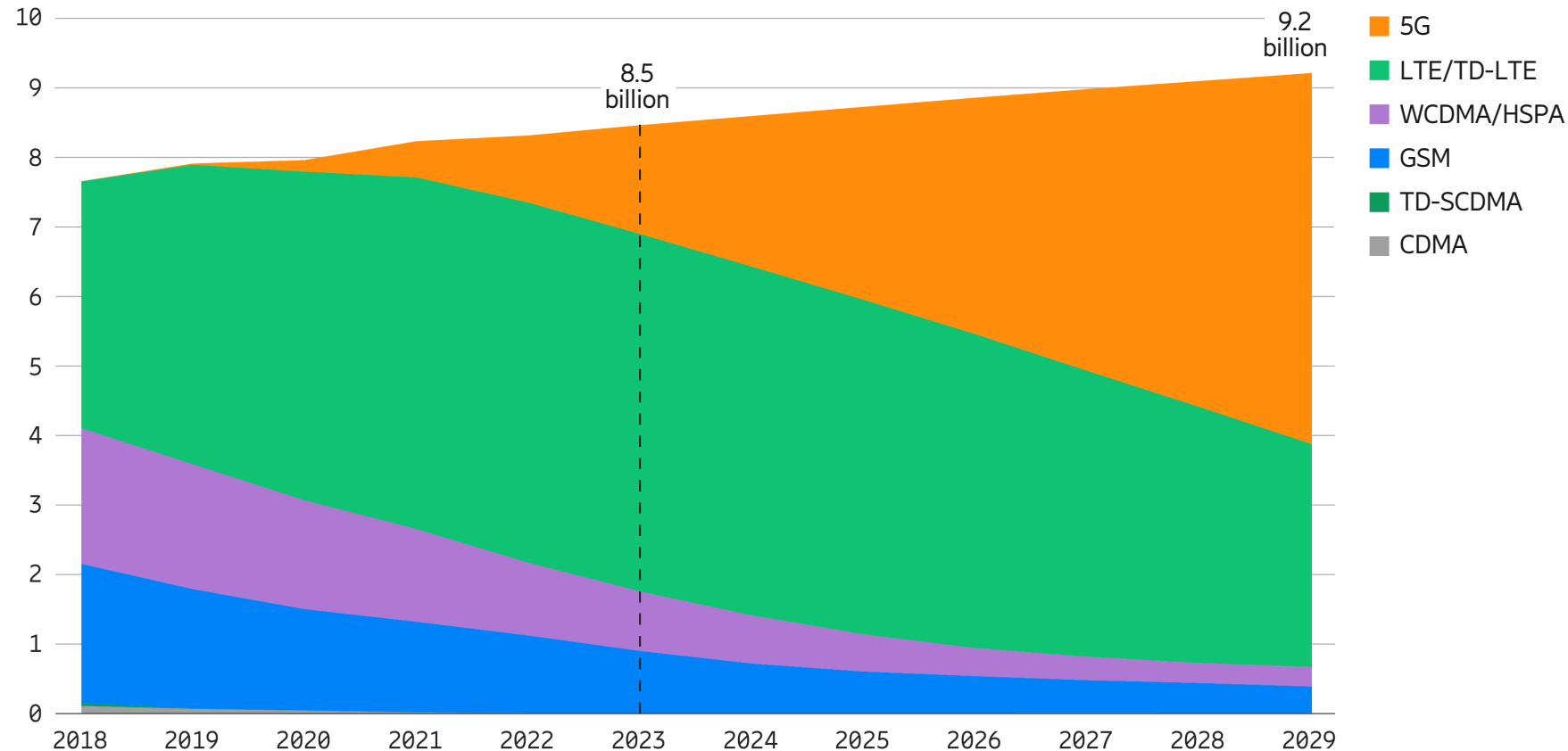


November 2023 edition

5G mobile subscriptions to reach 1.6 billion in 2023



Mobile subscriptions by technology (billion)

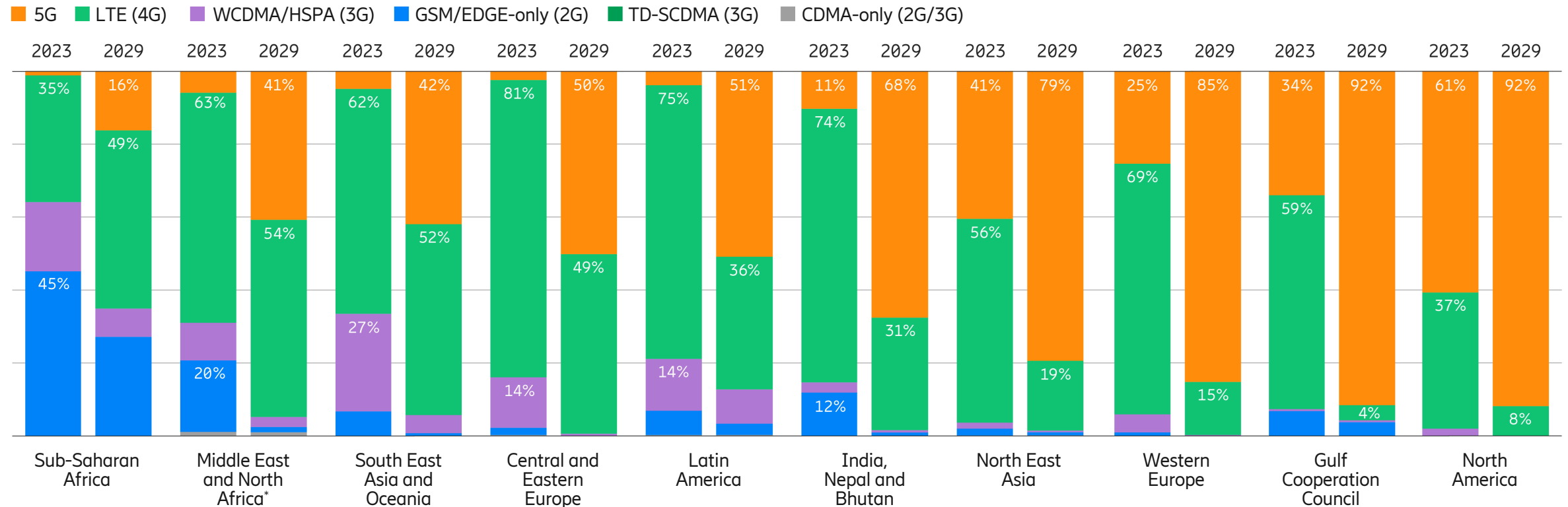


- 600 million 5G subscriptions added globally in 2023
- Continued strong 5G growth in North America
- In 2029, 5G subscriptions are expected to exceed 5.3 billion
- 4G subscriptions peaked at 5.2 billion

5G subscriptions rising in every region



Mobile subscriptions by region and technology (percent)

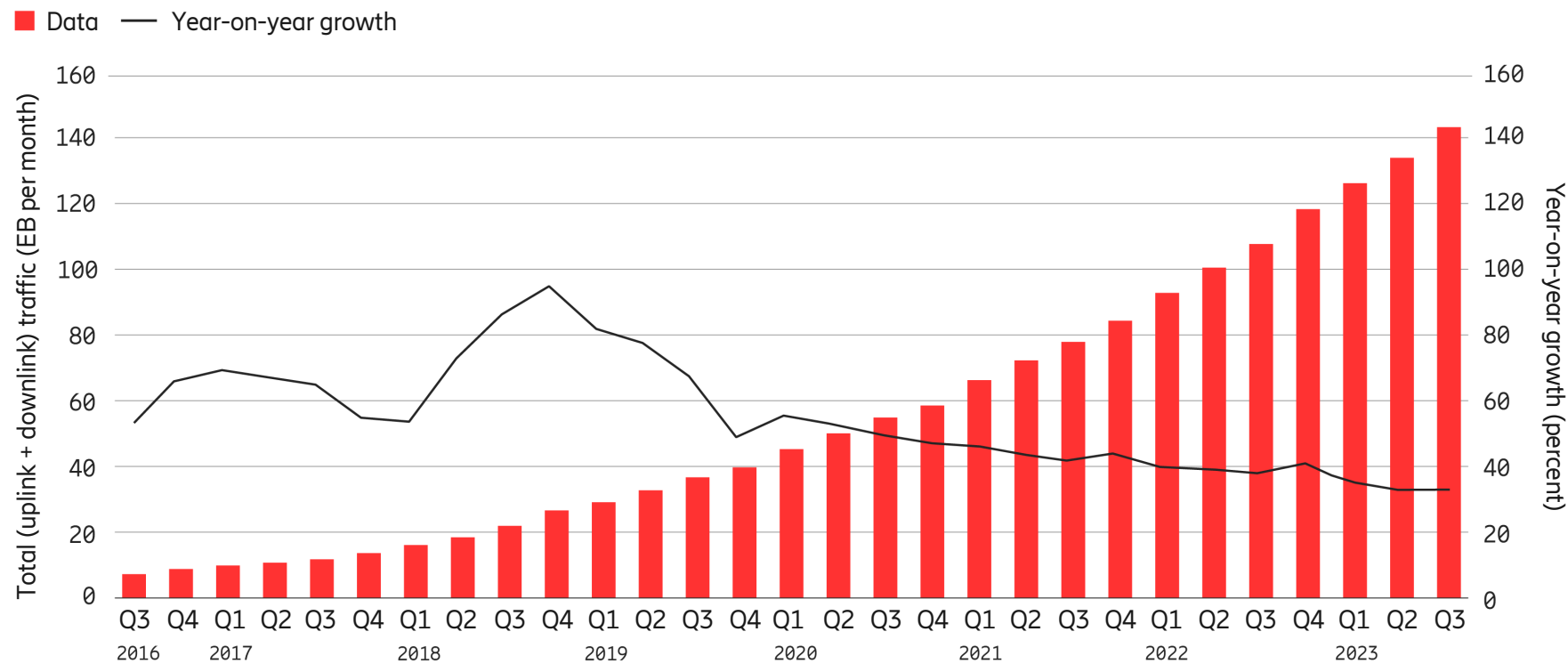


* All Middle East and North Africa figures include GCC countries.

Global mobile network data traffic still climbing



Global mobile network data traffic and year-on-year growth (EB per month)



33%

Mobile network data traffic grew 33 percent between Q3 2022 and Q3 2023

143EB

Total monthly mobile network data traffic reached around 143 EB in Q3 2023

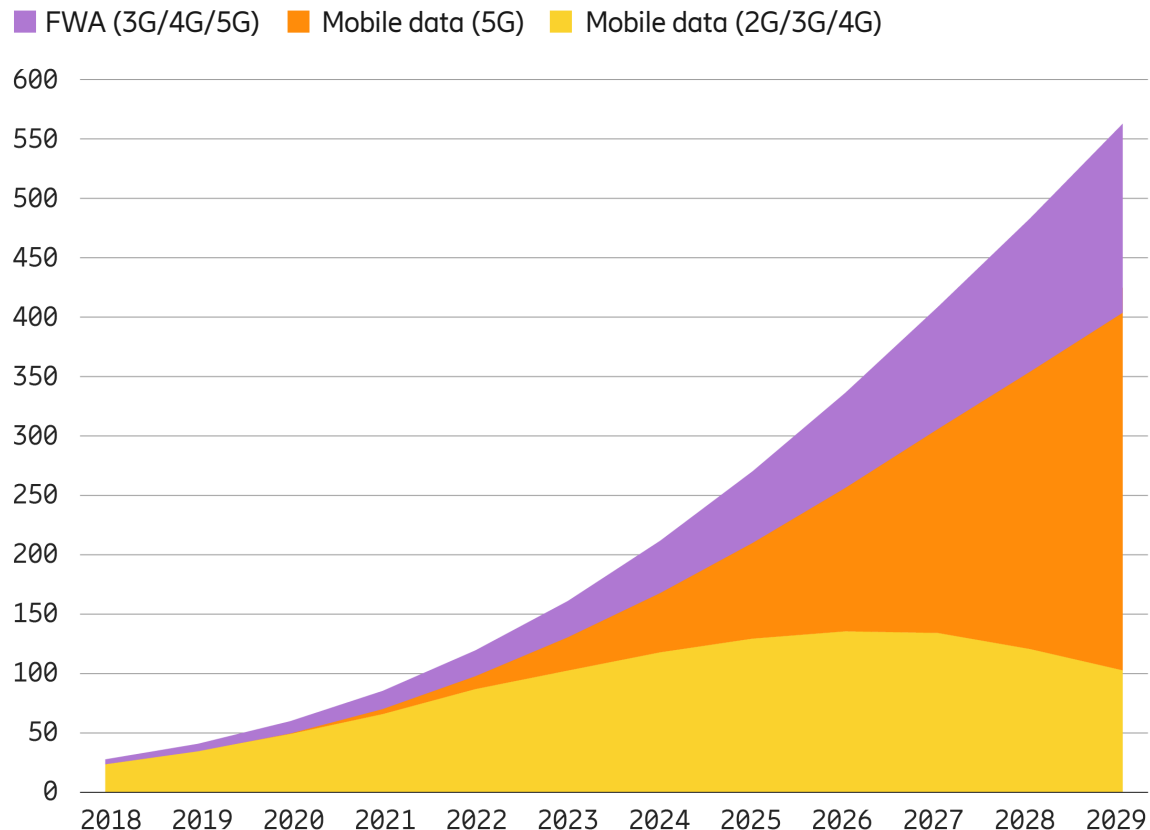
Source: Ericsson traffic measurements (Q3 2023).

Note: Mobile network data traffic also includes traffic generated by Fixed Wireless Access services.

5G set to account for 25 percent of mobile data traffic this year



Global mobile network data traffic (EB per month)



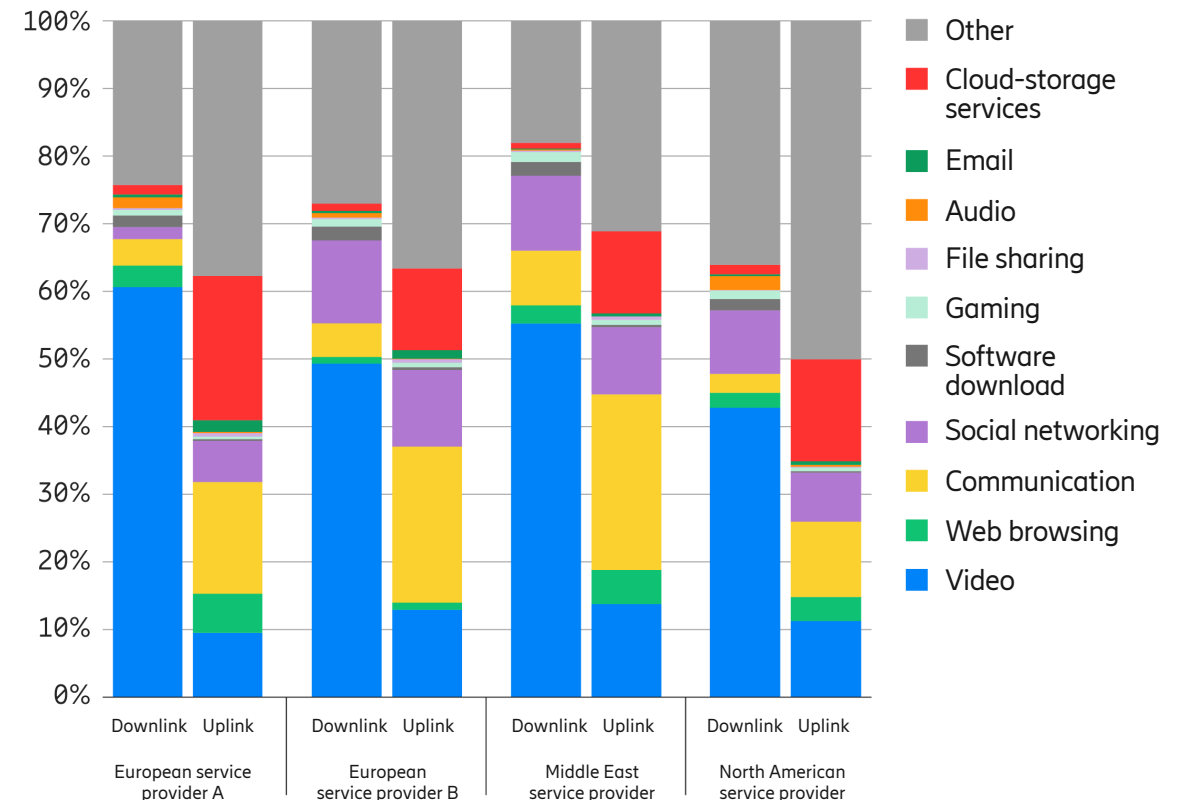
- Subscriber migration to 4G and 5G is fueling traffic growth
- Global monthly mobile data traffic expected to grow by a factor of 3 to 403 EB in 2029
- 5G share of mobile data traffic forecast to grow to 76% in 2029
- Initial uptake of XR-type services during forecast period
- FWA traffic to grow by a factor of 5 between 2023 and 2029

Uplink traffic dominated by communication and cloud-storage services



- Uplink share of traffic vary by area type as well as location
- Video traffic has a 97 percent downlink and 3 percent uplink split
- Categories with highest share of uplink traffic are cloud storage services and communication services
- On average, uplink traffic constitutes around 8 percent of total traffic volume

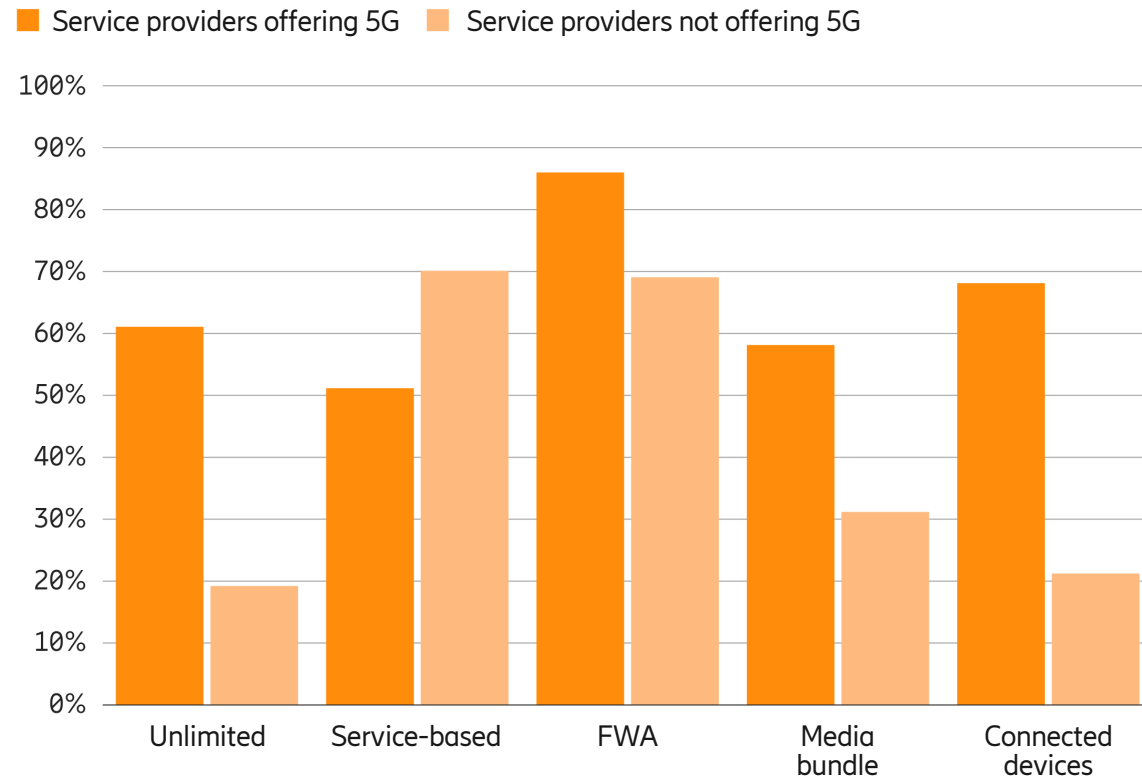
Share of traffic volume in downlink and uplink per application category



The capabilities of 5G drive changes in service provider offerings



Percentage of service providers with and without selected 5G offerings

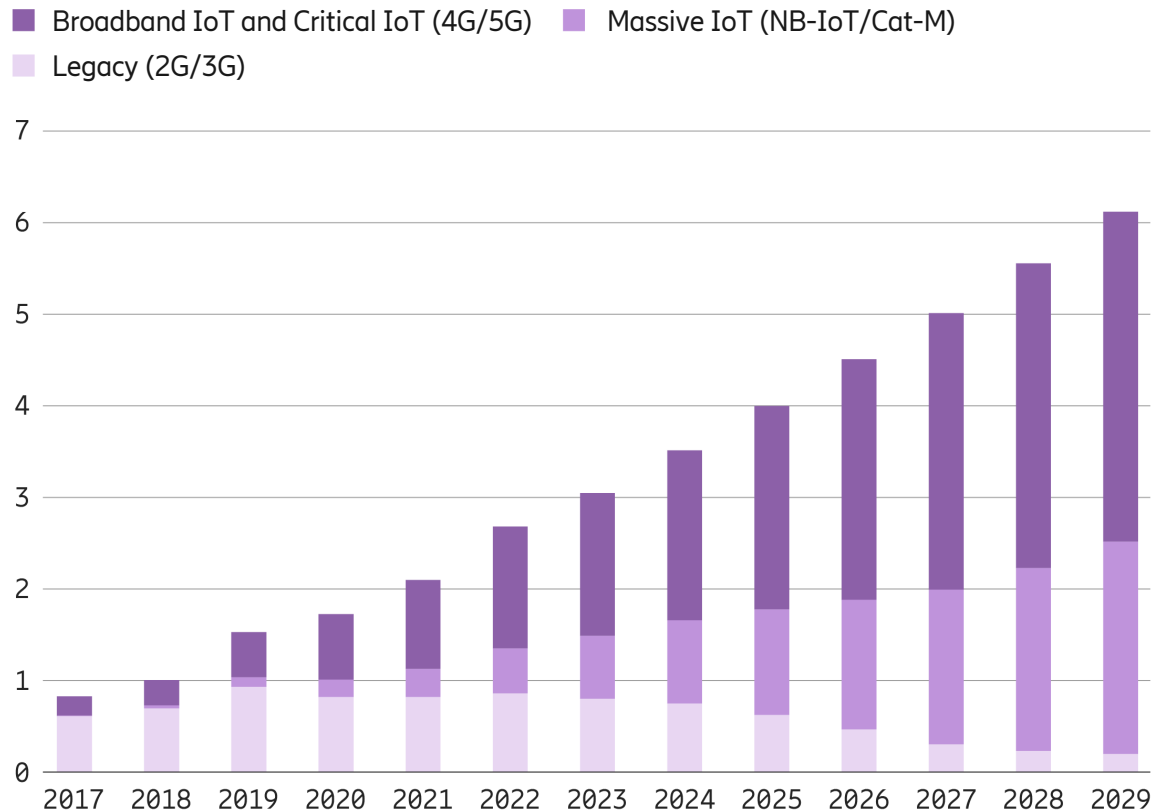


- 4X more for 5G service providers to have unlimited plans than for 4G service providers
- Higher percentage of 4G service providers have service-based connectivity packages
- With 5G, greater control of user experience can be ensured through APIs and network slicing, allowing for new sets of offerings.

Cellular IoT connections expected to reach 6 billion in 2029



Cellular IoT connections by segment and technology (billion)



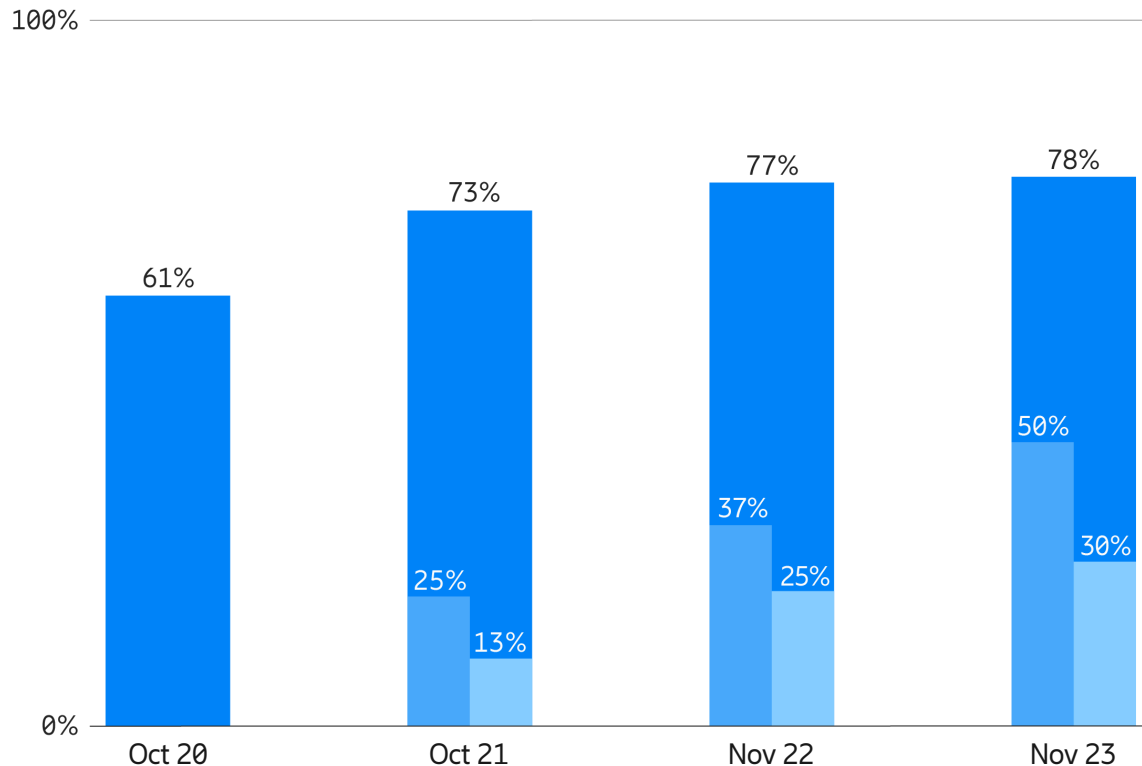
- The Massive IoT technologies continue to be rolled out around the world
 - 128 service providers have deployed or commercially launched NB-IoT networks and 60 have launched Cat-M
- Broadband IoT to reach 1.6 billion connections at the end of 2023 and is the technology that connects most cellular IoT devices
- By the end of 2029, 60 percent of cellular IoT connections will be broadband IoT
- IoT devices connected via 2G and 3G are in slow decline

5G FWA service provider adoption reaches 50 percent



Global FWA service provider adoption 2020–2023

■ FWA (total) ■ Percentage of FWA that is 5G ■ Percentage of FWA that is speed-based



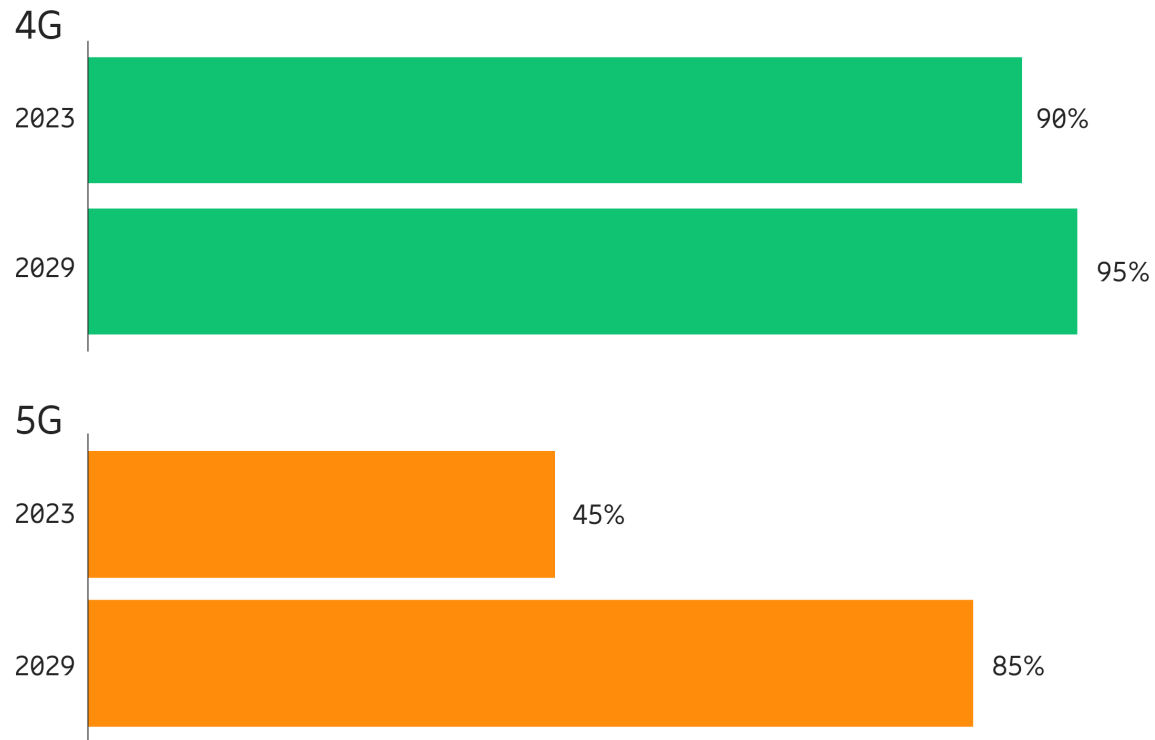
FWA is growing solidly in terms of:

- Number of mobile service providers offering FWA
- Proportion of those offering it over 5G
- Proportion of service providers with speed-based tariff structures
- FWA customer premises equipment (CPE) shipment growth, including 5G

5G population coverage has reached 45 percent



World population coverage by technology



85%

5G population coverage is set to reach 85 percent in 2029

Note: The figures in this graph refer to coverage of each technology. The ability to utilize the technology is subject to factors such as access to devices and subscriptions.

Key messages from EMR November 2023



1.6 B

At the end of 2023, 5G mobile subscriptions are expected to reach 1.6 billion

143 EB

Total monthly mobile traffic and the numbers are growing, especially with maturity in 5G

85%

Will be the global population coverage by 2029 with 40% now worldwide, and up to 85% in North America as the comparison

