

5G Americas MRP Report

Washington D.C.
October 2019

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5G Americas

Advocating for and fostering the advancement of 5G and the transformation of LTE networks





5G Americas 5G Contributions

Technical Facilitation
and Coordination

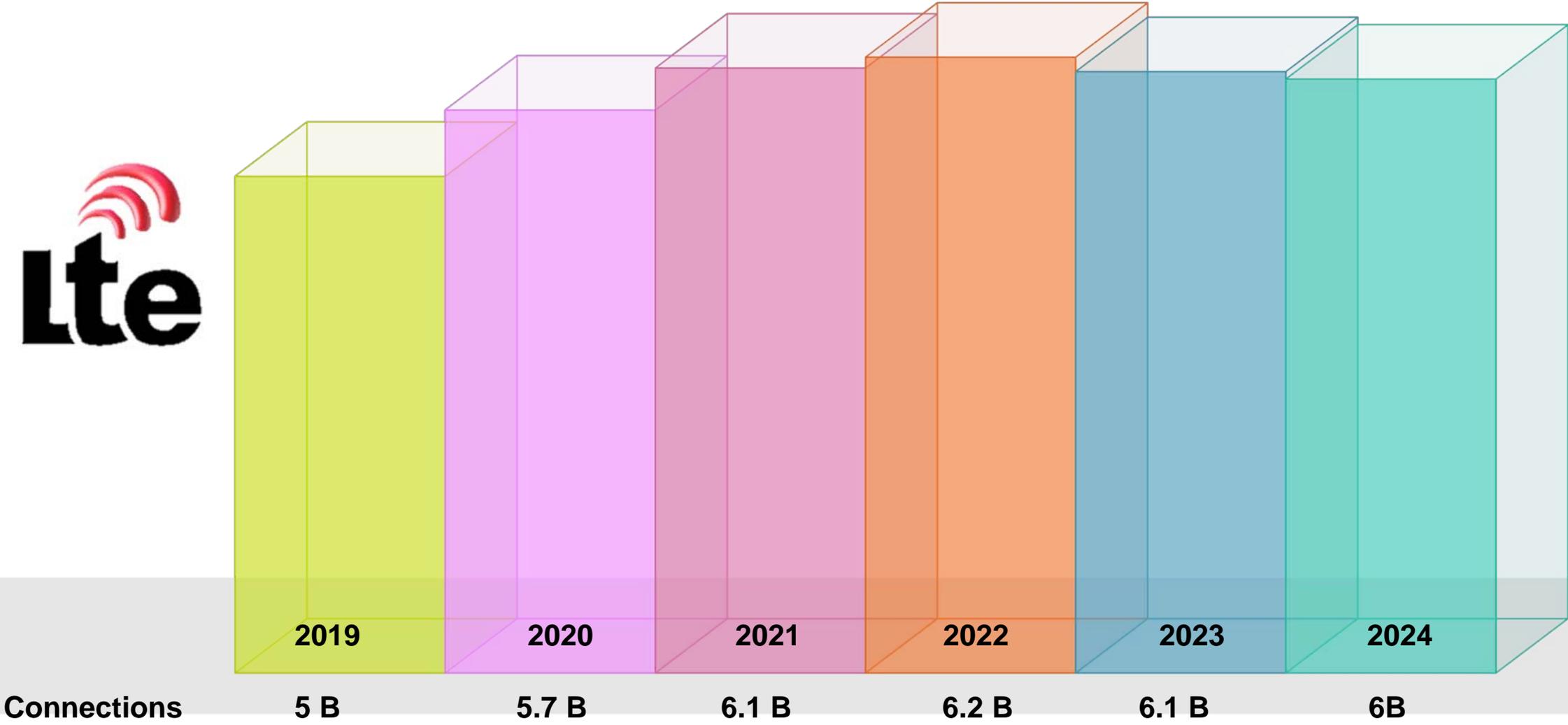
Regulatory
Policy

Educational
Outreach

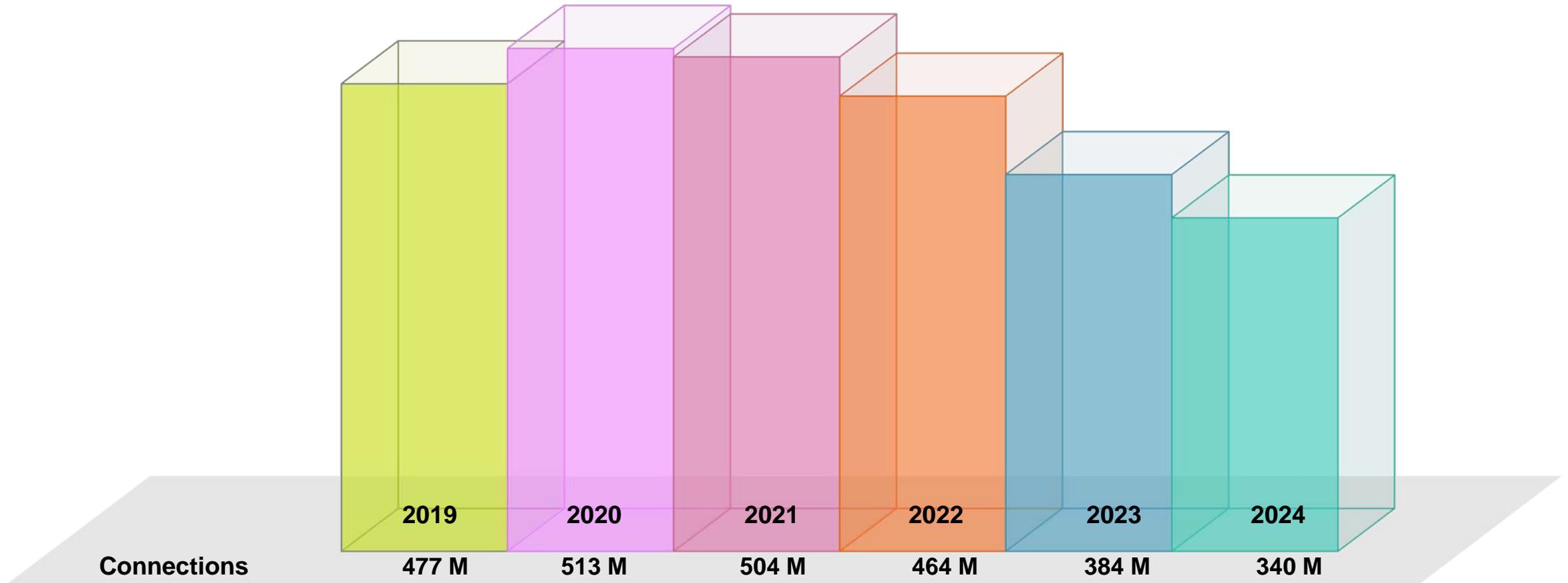
5G AMERICAS publishes dozens of white papers for technical facilitation, guidance and recommendations



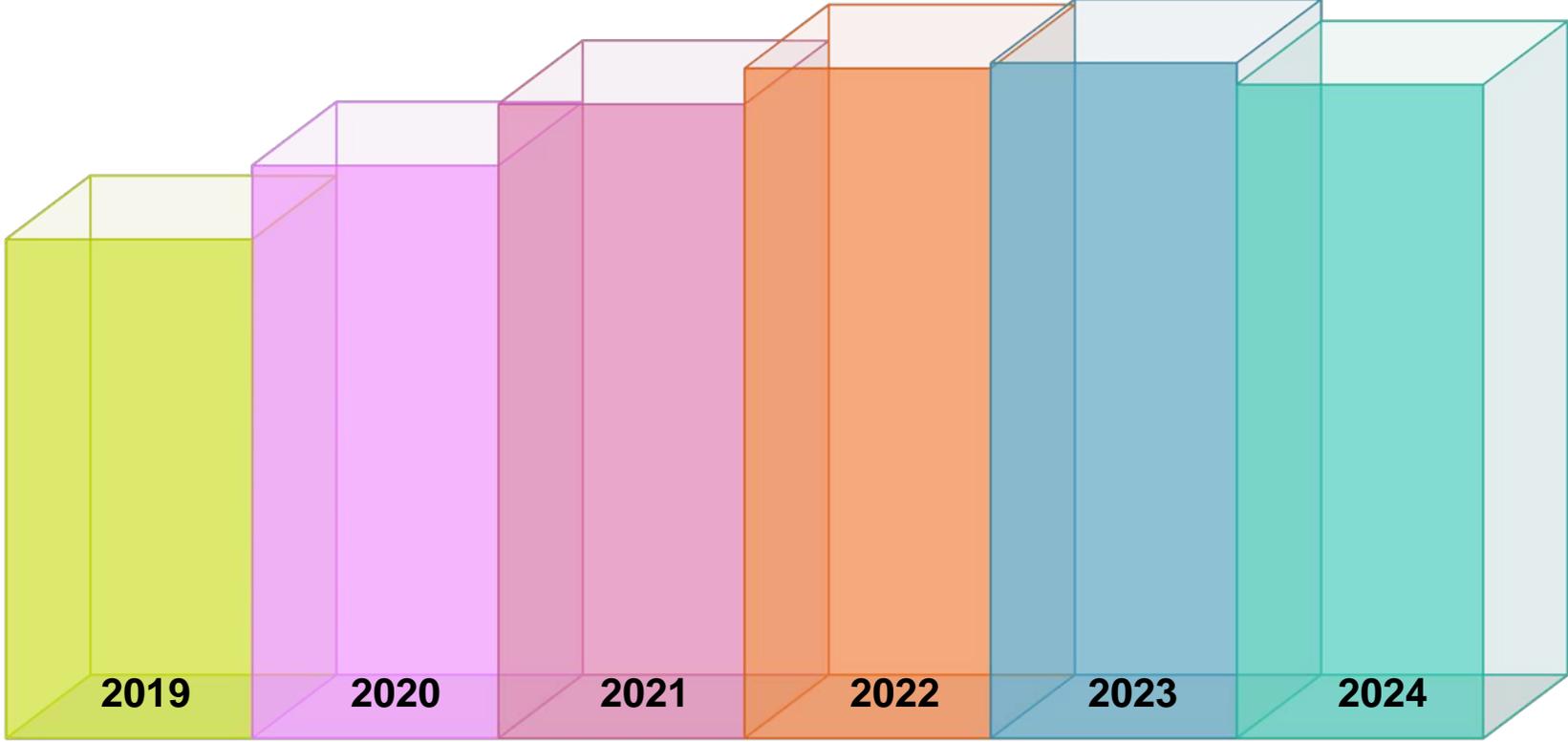
Global LTE Subscriber Forecast 2019 - 2024



North America LTE Subscriber Forecast 2019-2024



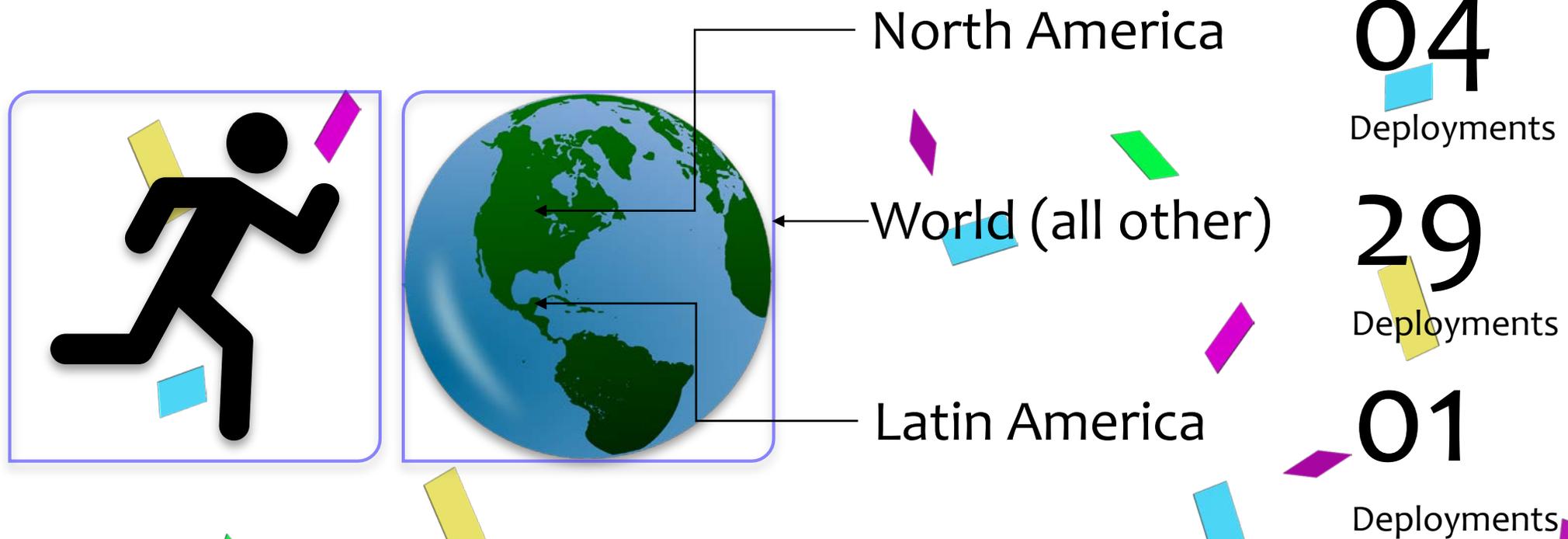
Latin America and Caribbean LTE Subscriber Forecast 2019-2024



Connections

337 M 387 M 428 M 453 M 456 M 442 M

5G is a commercial reality



Top 4 U.S. Operator 5G Deployments



AT&T

- **Launched 5G standardized mobile service in 2018**
- Initially mmWave in 2018
- 21 cities have 5G standardized mobile service with more planned in 2019
- Deployed 5G at AT&T Stadium in Dallas
- Additional 5G mobile launches in 2019
- Announced it will deploy nationwide standardized mobile 5G using sub 6 GHz spectrum in early 2020

T-Mobile

- Built 5G ready network in 30 cities in 2018
- Launched 5G in mmWave bands in NY, LA, Las Vegas, Dallas, Cleveland & Atlanta on June 28
- Plans for more than 30 cities in 2H 2019
- Announced it will deploy nationwide standardized mobile 5G in 2020

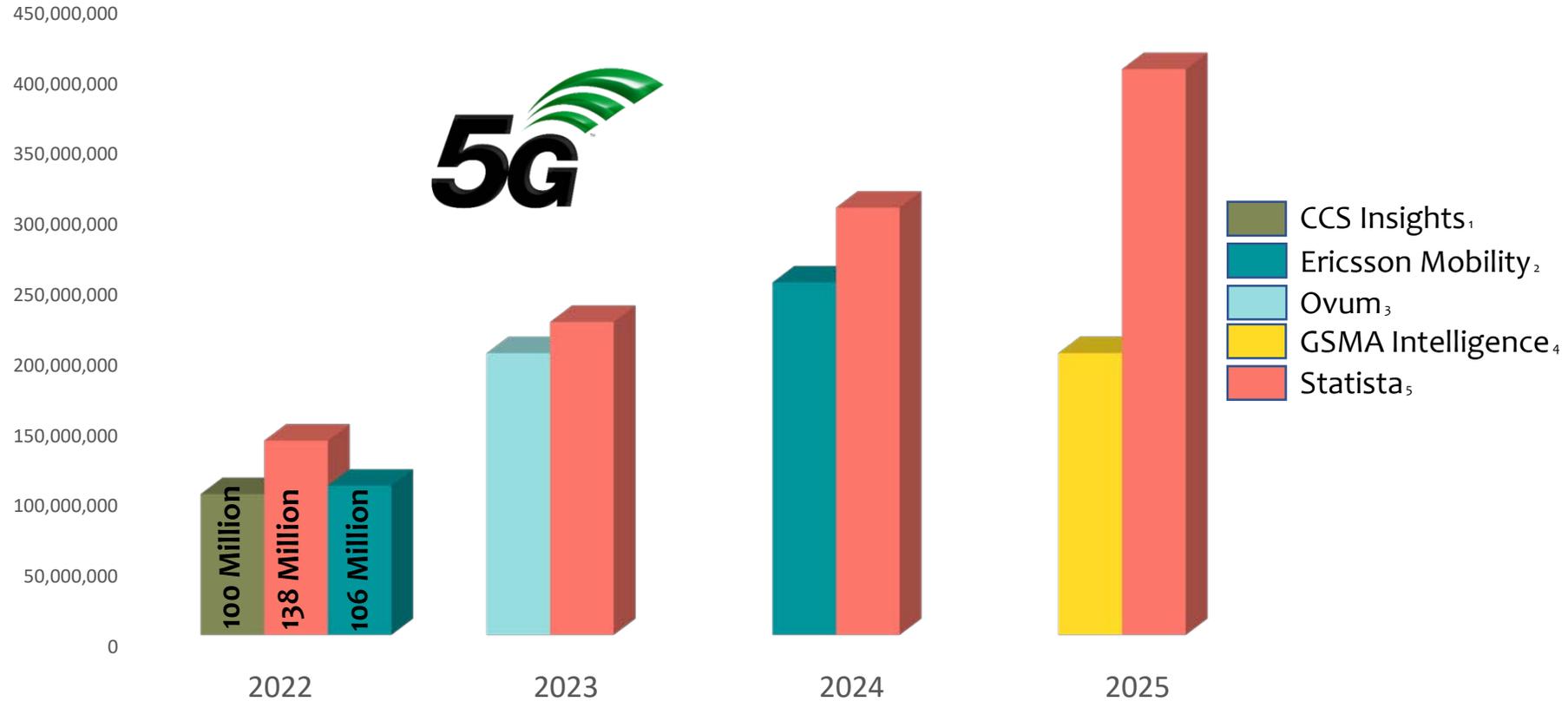
Sprint

- Launching standardized mobile 5G on 2.5GHz
- **9 cities launched by August 2019**
- Followed by additional 5G launches

Verizon

- **Initially Launched pre-standard commercial Fixed Wireless 5G in 4 cities in October 2018**
- Started with mmWave spectrum in 2018
- Launched standardized 5G mobile service in 11 additional cities
- Verizon's 5G Ultra Wideband Network planned for parts of 30 cities in 2019
- Deployed 5G Ultra Wideband service live in 13 NFL stadiums
- Announced it will cover half the U.S. population in 2020 with low, mid and mmWave spectrum

5G North America Subscriber Forecasts



Sources:

¹ CCS Insights, Networks' Ambitions to Launch 5G Early Raise Global Forecast, Sept. 2018

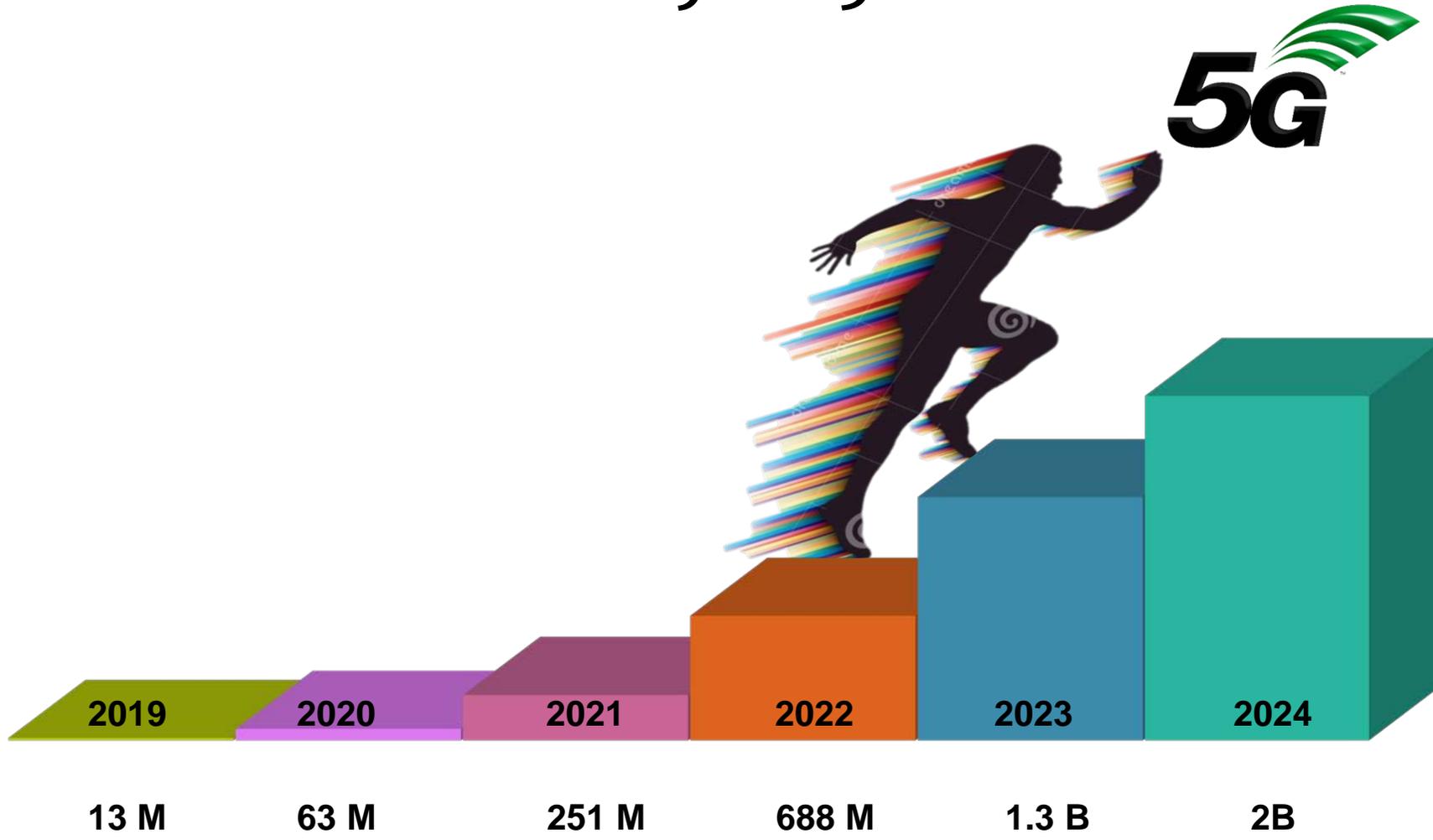
² Ericsson, Mobility Report, Nov. 2018

³ Ovum, WCIS, Sep 2019

⁴ GSMA Intelligence, Feb 2019

⁵ Statista, Feb 2019

Ovum Global 5G Subscription Forecast 2019 - 2023



Connections

13 M

63 M

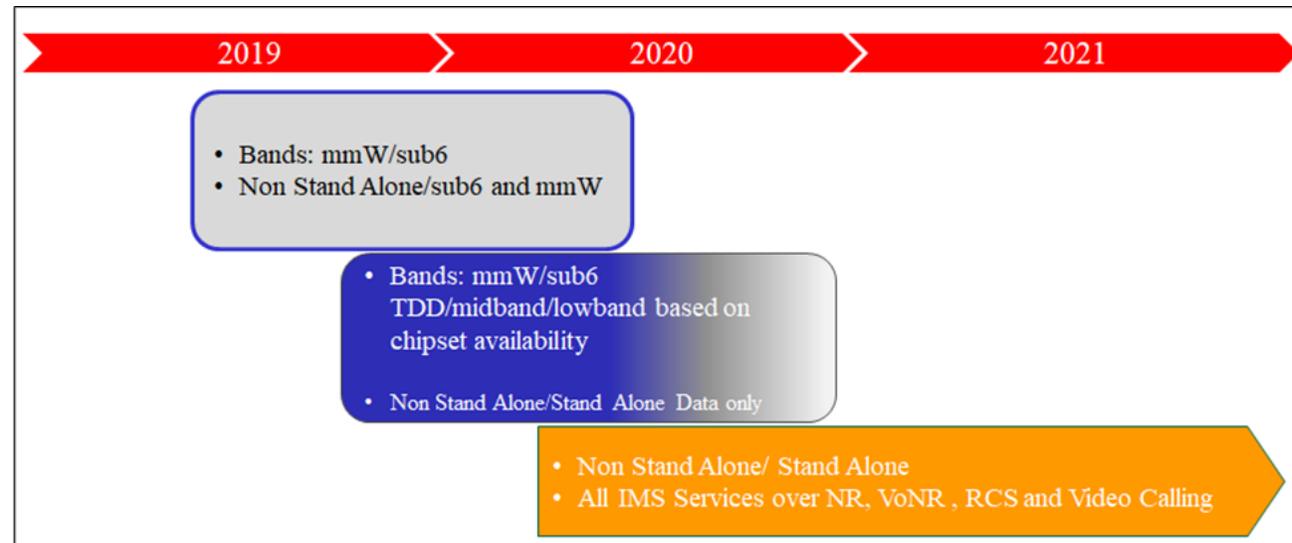
251 M

688 M

1.3 B

2B

5G Device Timeline Roadmap



September 2019/Rysavy Research/5G Americas Member Contribution



White Papers Submitted with MRP Report

- Global 5G: Implications of a Transformational Technology
- Advanced Antenna Systems for 5G
- The Evolution of Security in 5G: A Slice of Mobile Threats



Questions?

THANK YOU!

www.5gamericas.org