

SPECTRUM

THE FUNDAMENTAL ELEMENT OF MOBILE

WRC-19 | 5 November

RCC Lunchtime Seminar



SPECTRUM

THE FUNDAMENTAL ELEMENT OF MOBILE



5G Ecosystem

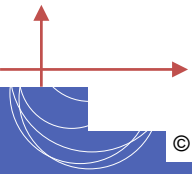
Alexander Gulyaev



5G ECOSYSTEM UPDATE

Alexander Gulyaev

GSA CIS



Qualcomm



NOKIA



SAMSUNG

VISION



VISION

wirelessly connect almost all 7 billion people globally to new and exciting services through 100 billion devices and things, by 2030



HOW

spectrum from the low-band, mid-band and high-band frequency ranges helps realise the Vision

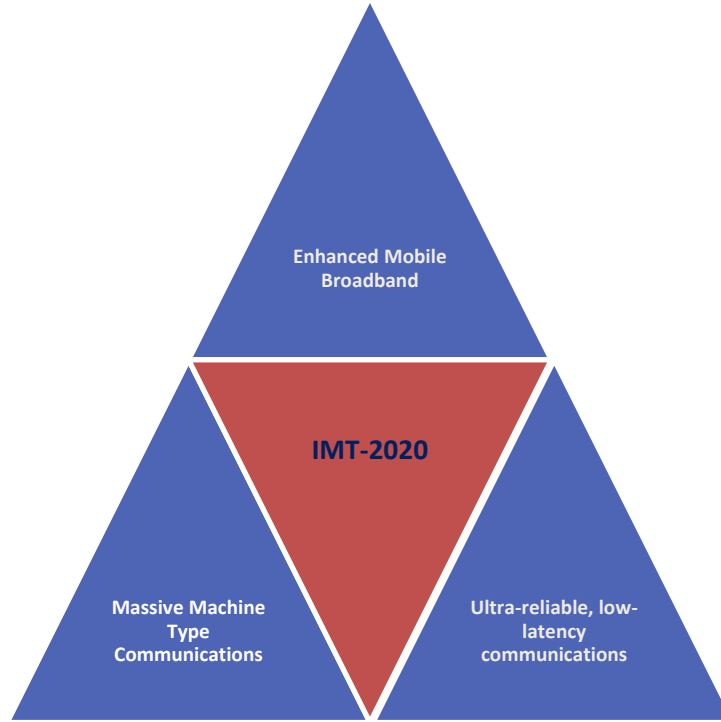


WRC-19 GOAL

large contiguous amounts of high band (mmWave) harmonised spectrum, with suitable regulatory conditions, helps enable extreme capacity and ultra fast local area services.

planning for the future with WRC-23 mid & low band agenda item

USE CASES





Release 15 complete (2017-2018)

Release 16 development (2018-2020)

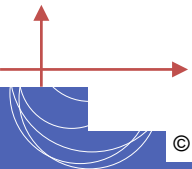
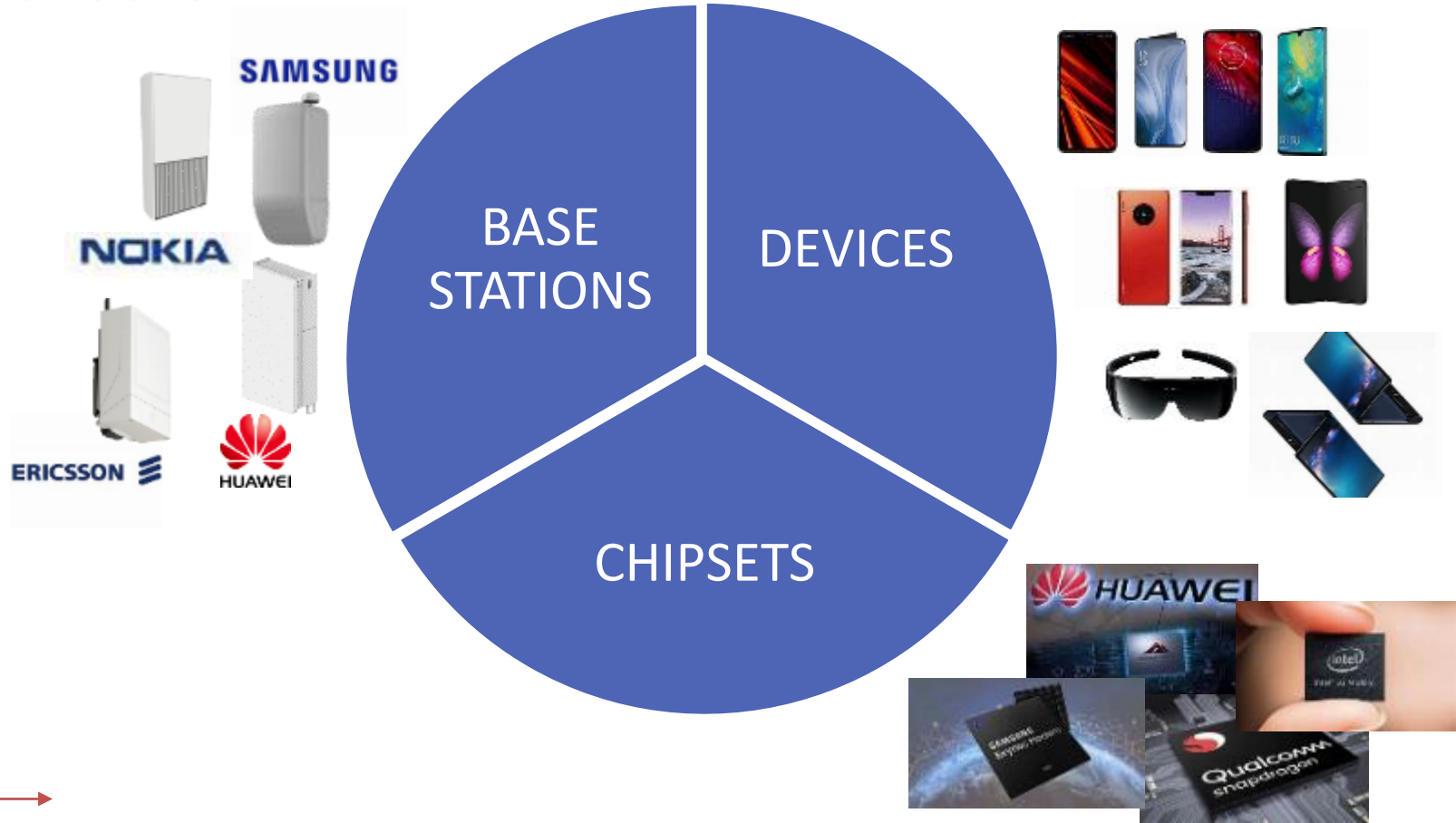
Enhancements, Unlicensed, URLLC+ & IoT+, V2X, etc

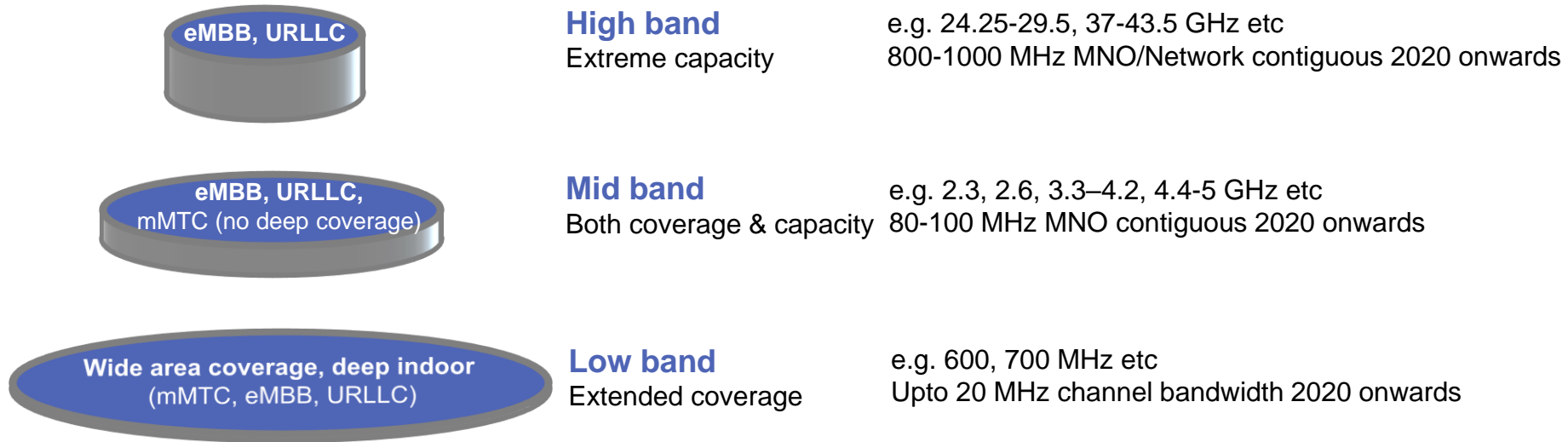
Release 17 planning (2019-2021)

Enhancements to support verticals, coverage improvements, NTN, etc

3GPP 5G specs complete – work underway on enhancements

PRODUCTS





Various applications and services require access to spectrum from low, mid and high bands

The Road to 5G with GSA

The Industry Voice of the Global Mobile Ecosystem

Facts - Figures - Graphs - Reports - Market Monitoring - Analysis - Advocacy - Databases... [Read More >](#)

THANK YOU

Check out www.gsacom.com for regular report updates

5G ecosystem update



5G licensing update



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