



5G Ecosystem

Noel Kirkaldy

SPECTRUM

THE FUNDAMENTAL ELEMENT OF MOBILE



5G ECOSYSTEM UPDATE

Noel Kirkaldy
GSA Arab States



Qualcomm

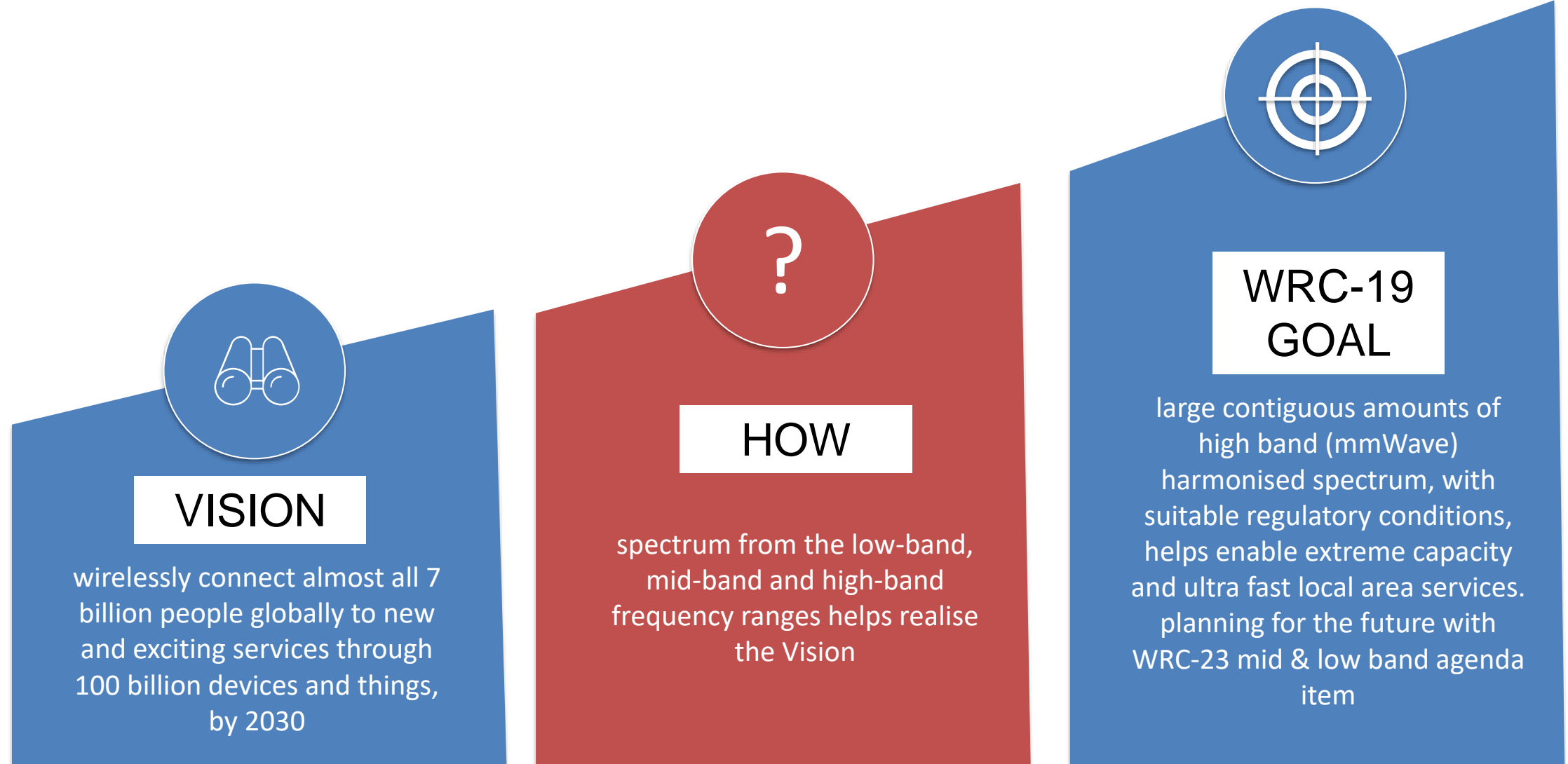


NOKIA

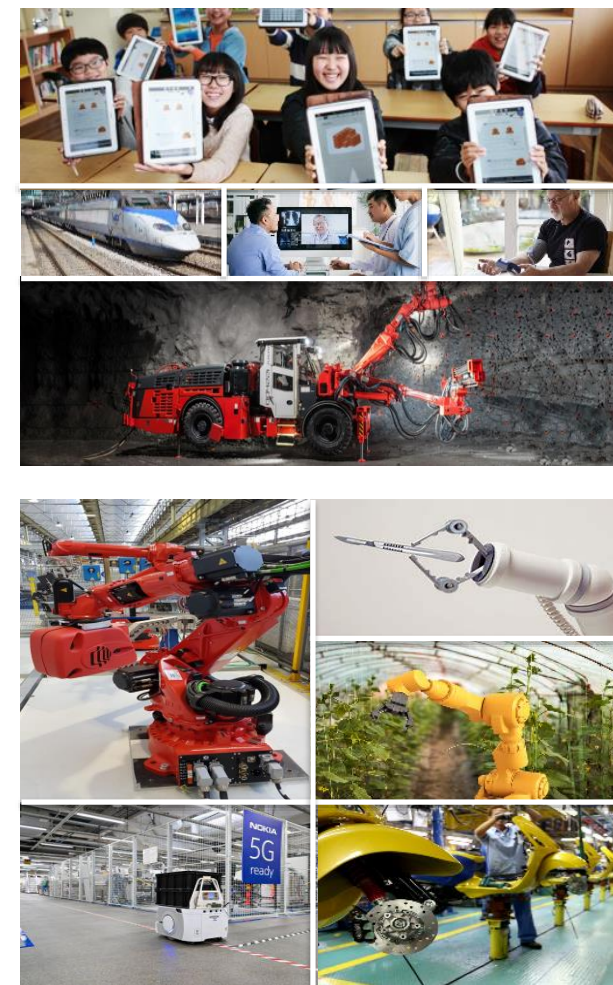
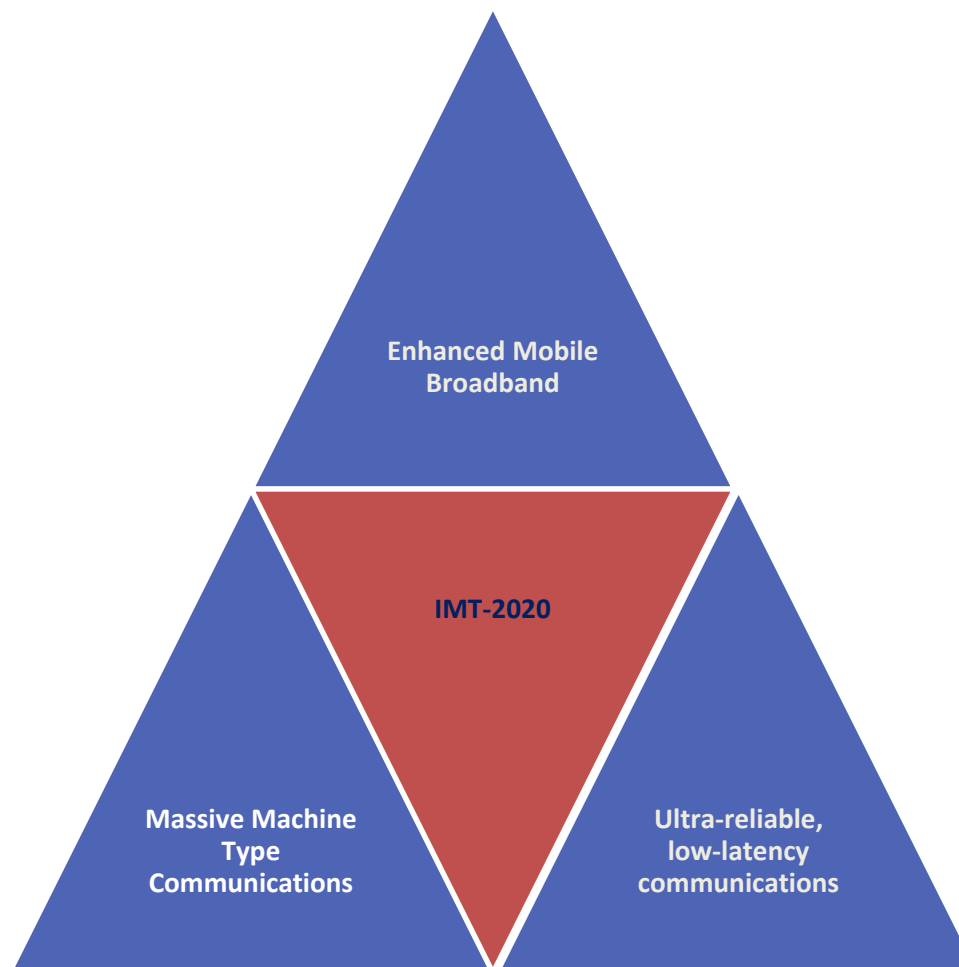
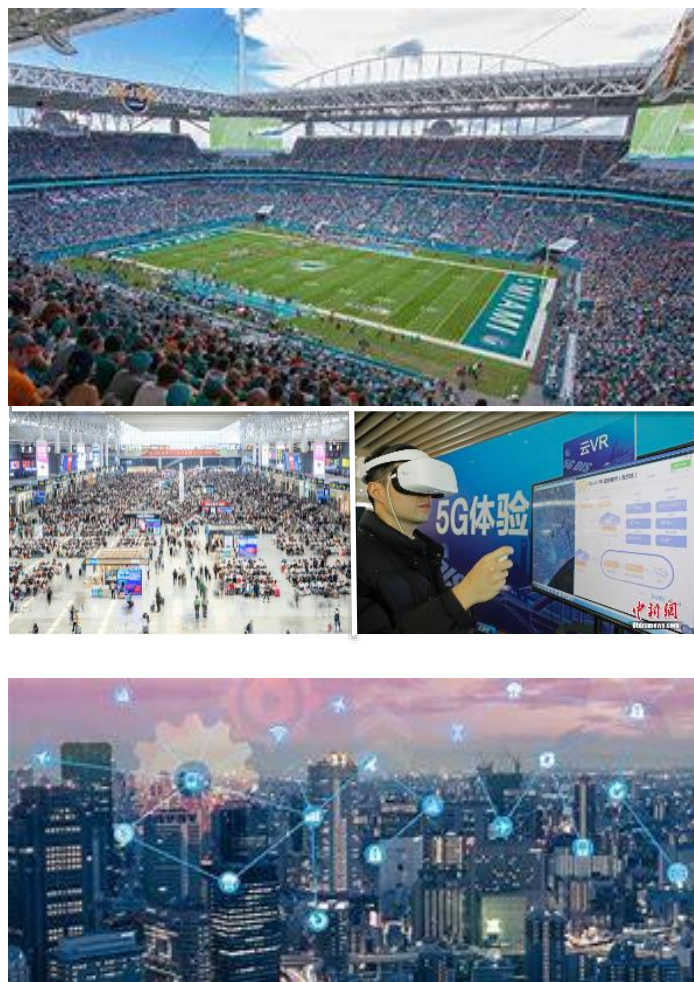


SAMSUNG

VISION



USE CASES



STANDARDS



Release 15 complete (2017-2019)

Release 16 development (2018-2020)

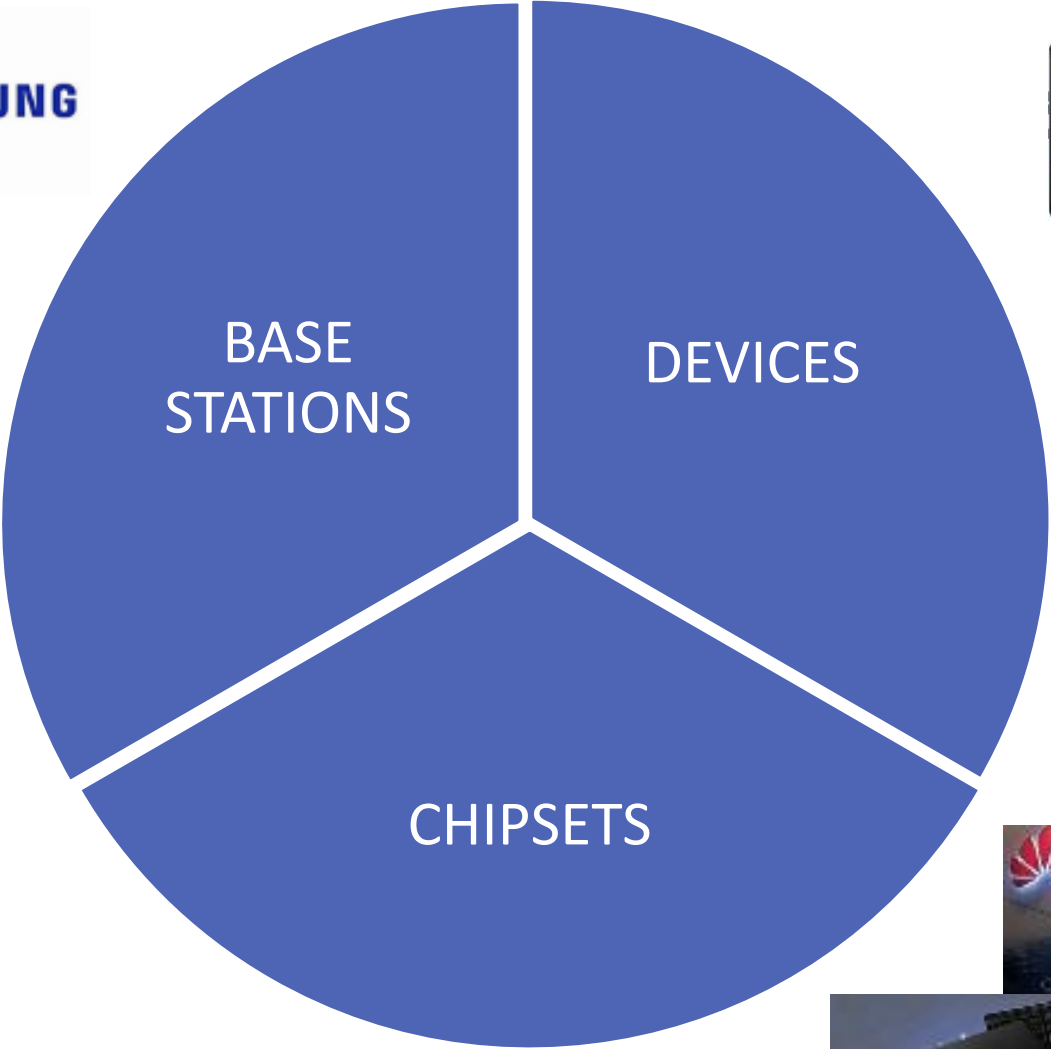
Enhancements, Unlicensed, URLLC+ & IoT+, V2X, etc

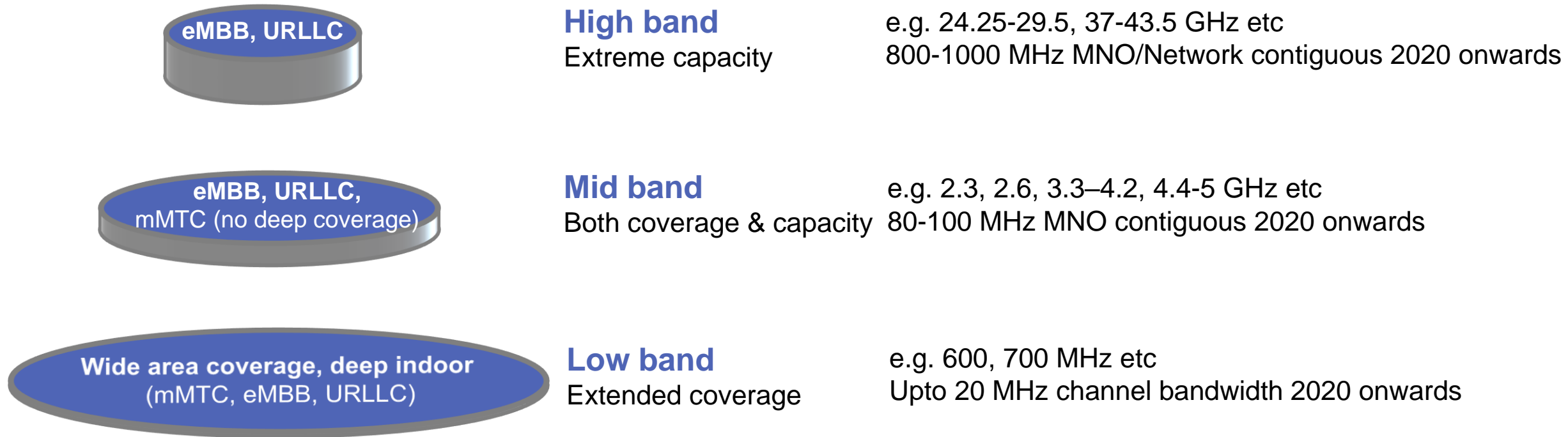
Release 17 planning (2019-2021)

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

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THANK YOU

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5G ecosystem update



5G licensing update

