



OFFICE OF THE NATIONAL BROADCASTING
AND TELECOMMUNICATIONS COMMISSION

6 GHz Spectrum

มุมมองของหน่วยงานกำกับดูแล

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29 April 2021





Presentation
OUTLINE

1

6 GHz Spectrum

Current status of
6 GHz spectrum

2

Technologies

Prospective technologies
in the 6 GHz band

3

Regulatory Survey

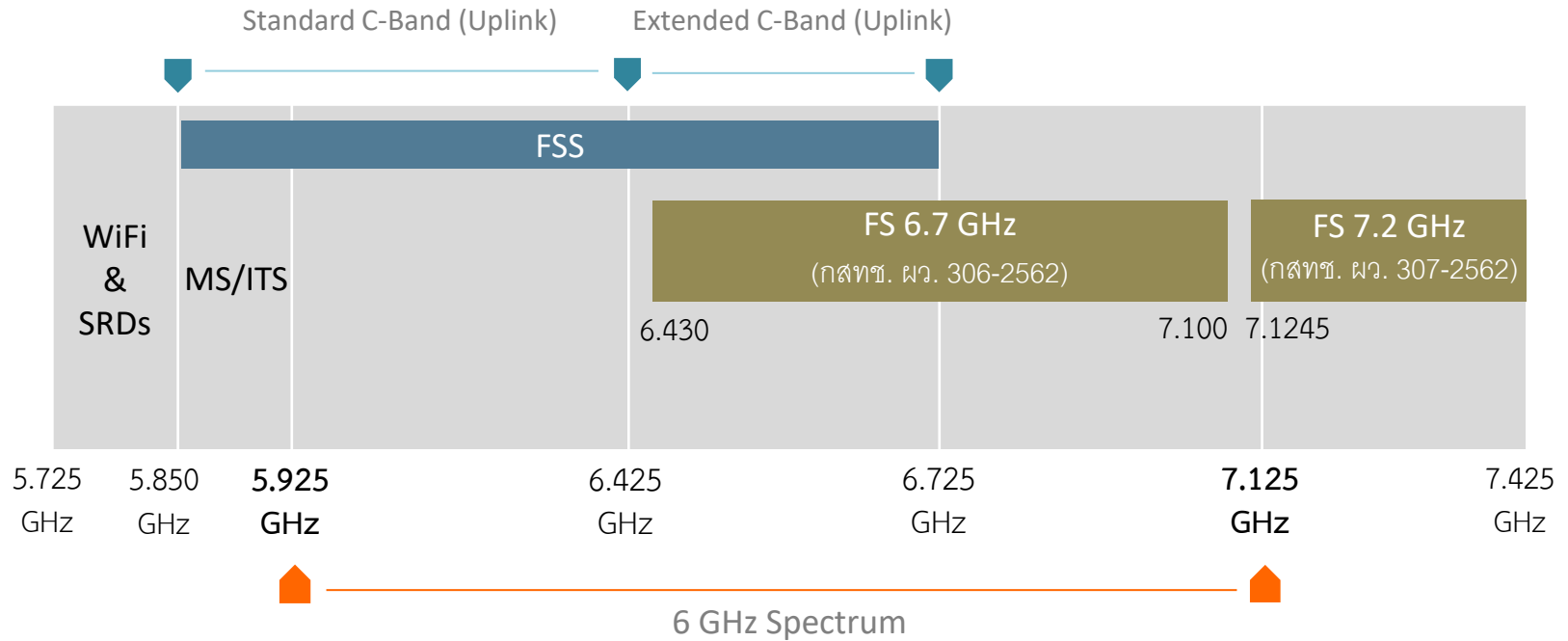
International
regulation survey on
the 6 GHz spectrum

4

Way Forward

NBTC's
Future Consideration
on 6 GHz band

Current status on 6 GHz band



Technology Survey

Wi-Fi 6E

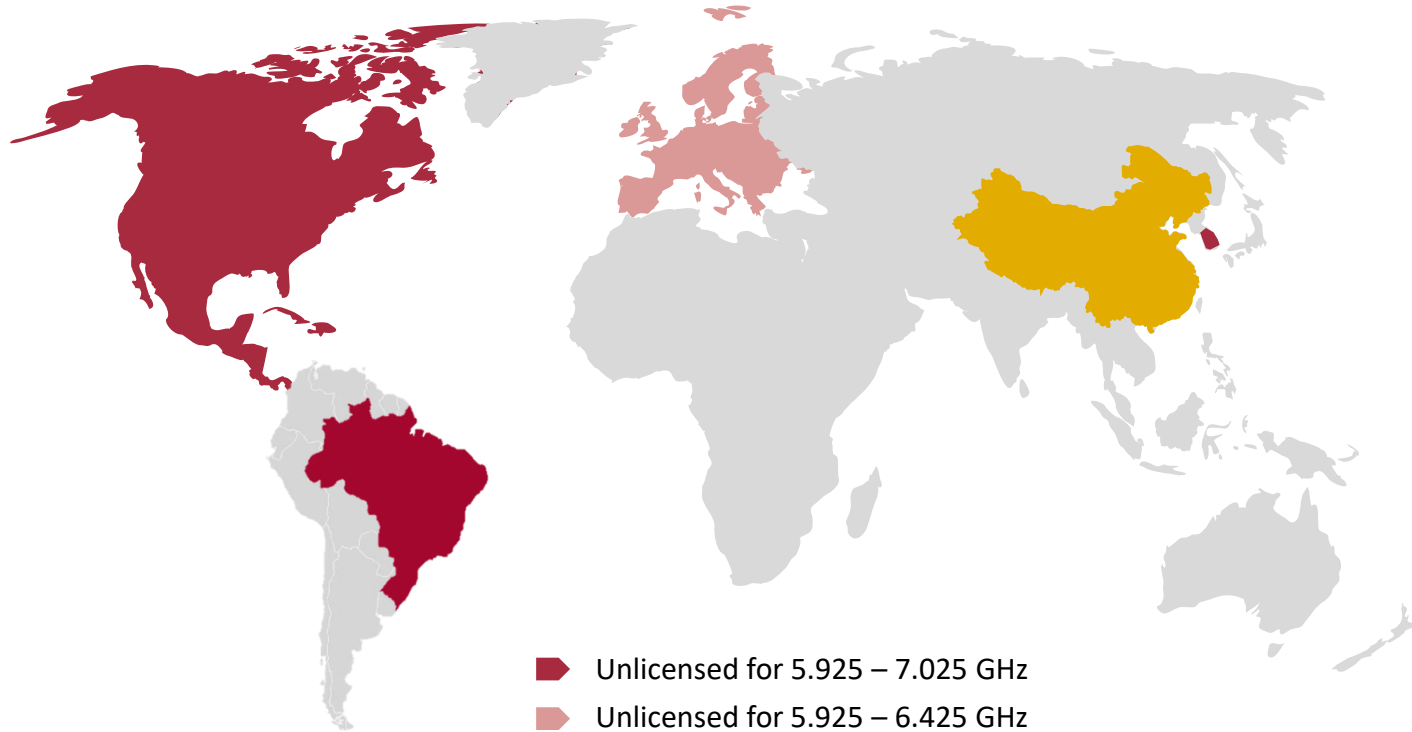
IEEE 802.11 ax

IMT

3GPP Release 16 (full 3GPP 5G system – IMT2020)

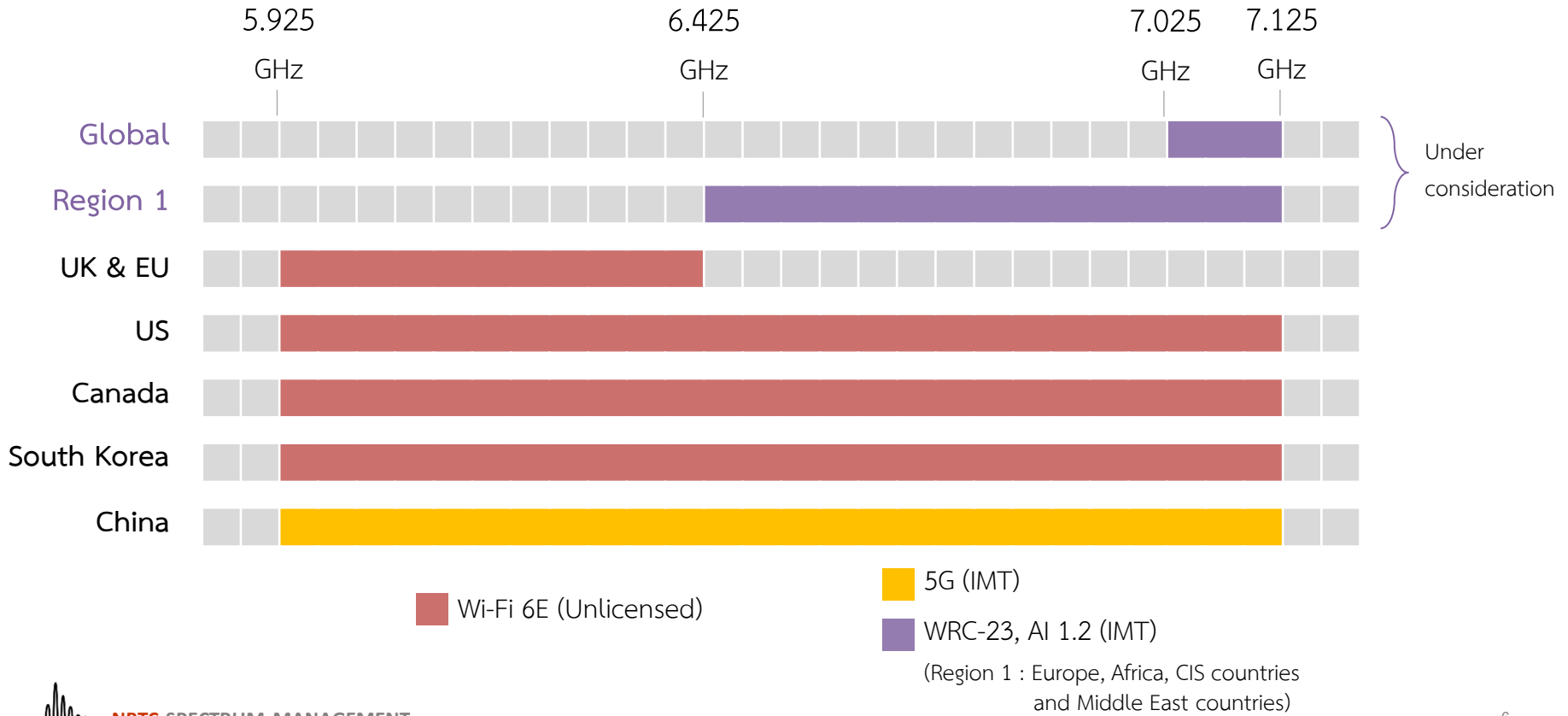
- Licensed (New Radio: NR)
- Unlicensed (New Radio – Unlicensed: NR-U)

Survey on Current Policy Decision



- ▶ Unlicensed for 5.925 – 7.025 GHz
- ▶ Unlicensed for 5.925 – 6.425 GHz and under consideration for 6.425 – 7.025 GHz
- ▶ IMT for 5.925 – 7.025 GHz

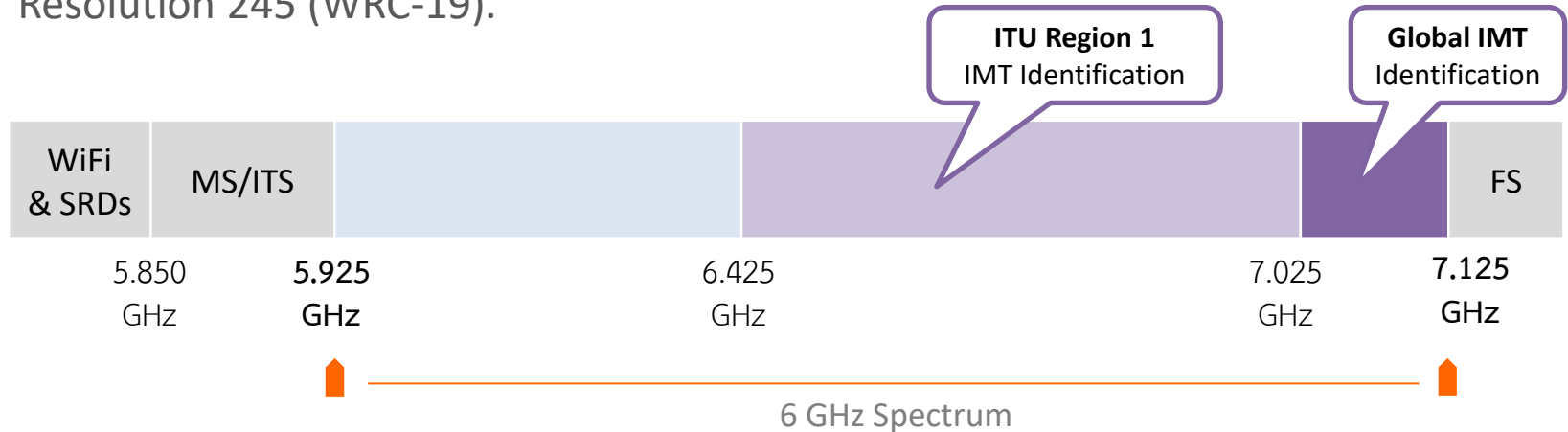
Survey on Policy Decision



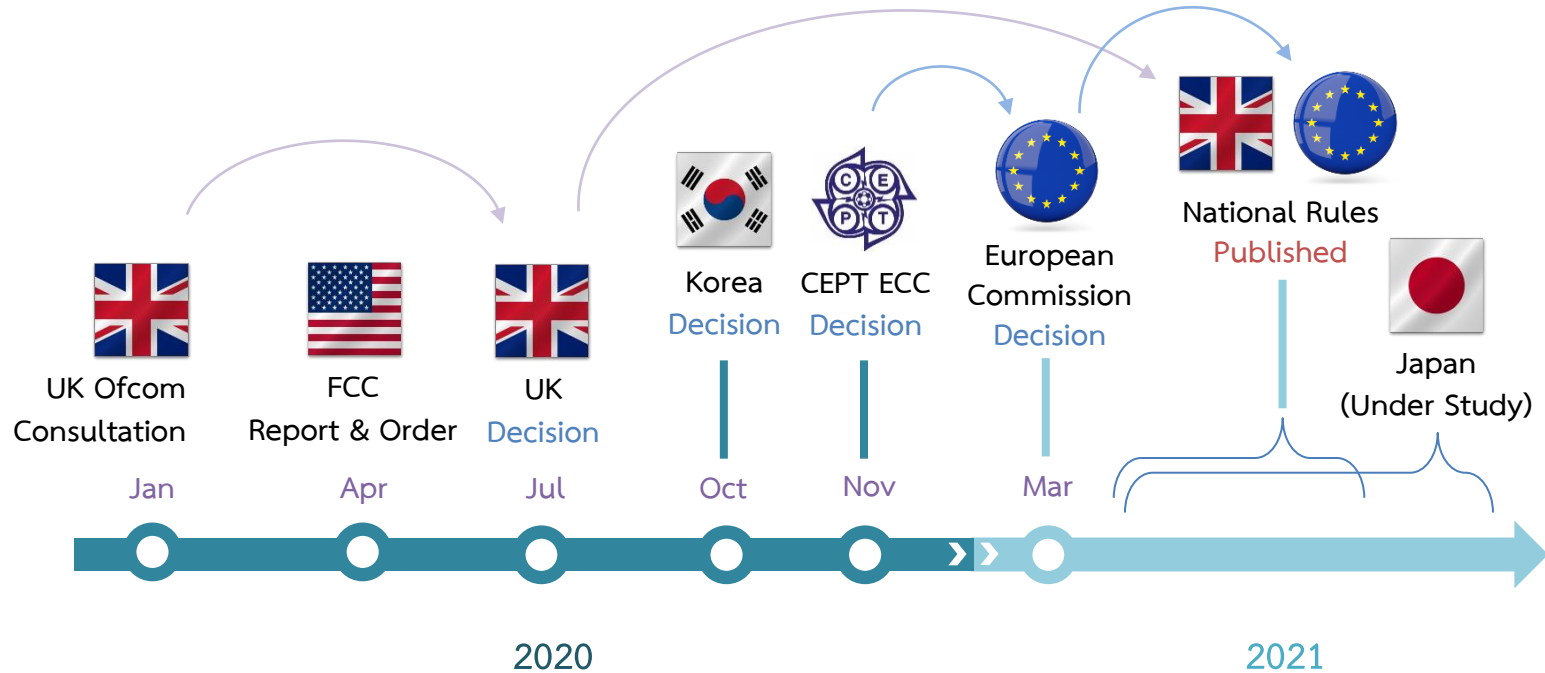
WRC-23 Discussion

+ Agenda Item 1.2

To consider identification of the frequency bands 3 300-3 400 MHz, 3 600-3 800 MHz, 6 425-7 025 MHz, 7 025-7 125 MHz and 10.0-10.5 GHz for International Mobile Telecommunications (IMT), including possible additional allocations to the mobile service on a primary basis, in accordance with Resolution 245 (WRC-19).



Timeline: Policy Decision on Unlicensed Use



Ref. NBTC Workshop on 6 GHz for License Exempt Use Presentation by 6USC

NBTC's Future Consideration for 6 GHz Spectrum



Principles

- 1 Equitable access
- 2 Compatibility with existing usages – *C Band FSS and Fixed Systems*
- 3 Efficiency & Innovations

ขอเชิญเข้าร่วม Focus Group เรื่อง แนวทางการใช้คลื่นความถี่ย่าน 6 GHz

- + เพื่อให้ความเห็นเกี่ยวกับแนวทางการใช้คลื่นความถี่
- + วันที่ 18 พฤษภาคม 2564 เวลา 13.30 – 16.30 น.



Thank You