



# WRC-23: Harmonising 5G

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# Mobile and the Power of Spectrum

No one has done more with their spectrum to deliver a better future for everyone than the mobile industry

5G



2025

**1.8bn** connections



2025

**of total connections**

Excluding licensed cellular IoT

Employment



2019

**16m**

Jobs directly supported by the mobile ecosystem

+14m indirect jobs

Mobile Industry Contribution to GDP



2019

4.1tn



% of GDP

2024

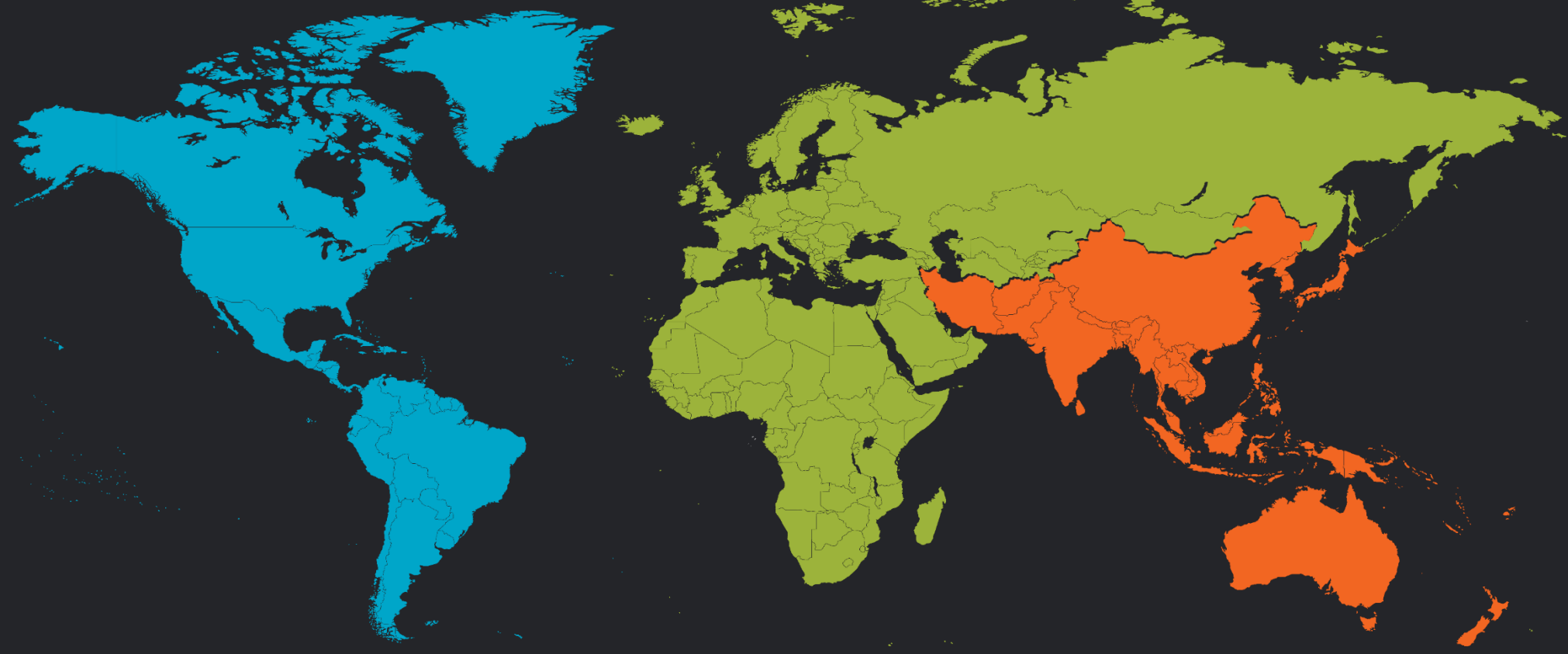
**4.9tn**





# WRC-23 Agenda Items Overview

● Region 1   ● Region 2   ● Region 3



Bands	470-960 MHz	3300-3400MHz	3600-3800MHz	4800-4990 MHz	6425-7025 MHz	7025-7125 MHz	10-10.5 GHz
1 ● Region	AI 1.5 (IMT)	AI 1.2 (IMT)	AI 1.3 (MS)	AI 1.1 (IMT)	AI 1.2 (IMT)	AI 1.2 (IMT)	
2 ● Region		AI 1.2 (IMT)	AI 1.2 (IMT)	AI 1.1 (IMT)		AI 1.2 (IMT)	AI 1.2 (IMT)
● Region				AI 1.1 (IMT)		AI 1.2 (IMT)	



# WRC-23 Can Provide Solutions

## Harmonisation

- Further harmonisation in core bands – like 3.5 GHz – for global ecosystem
- New harmonised spectrum for 5G expansion – e.g. 6 GHz

## Cost-Efficiency

- Ensure 5G has sufficient channel bandwidth: 3.5 GHz, 4.9 GHz, 6 GHz
- Channel size will lower network density and increase affordability

## Coverage

- City-wide capacity solutions (AI 1.1, 1.2, 1.3)
- Low band spectrum for rural 5G and universal IoT (AI 1.5)