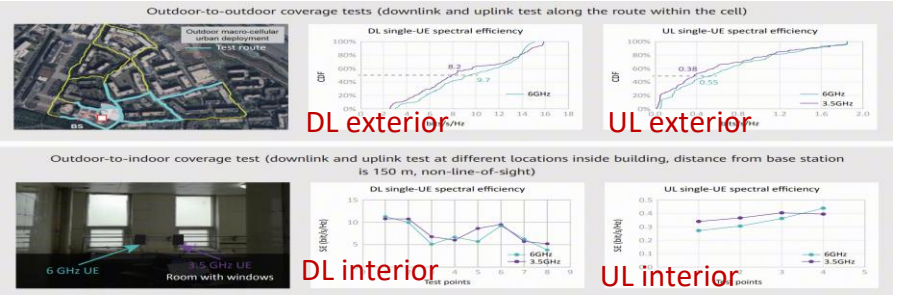
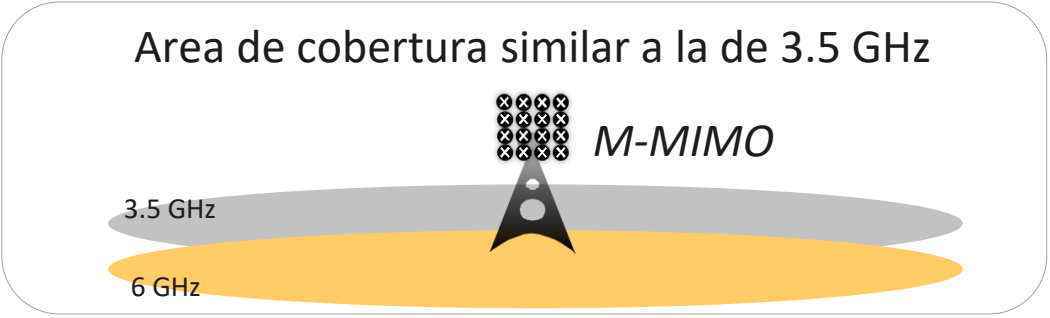




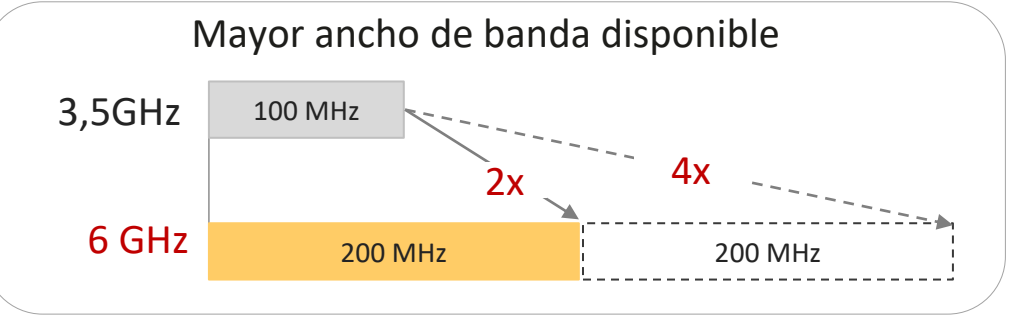
Foro público sobre el uso de la banda de frecuencia de 6 GHz

ASEP, 7 de julio de 2026

6425-7125 MHz es la próxima “banda C”: las características de cobertura y capacidad permiten una experiencia similar a la fibra y mejoran la eficiencia de la red



400 MHz en 6 GHz logran DL 10 Gbps y UL 1 Gbps



U6G facilita nuevos casos de uso

Corto plazo Mejora de FWA

FWA con velocidad de fibra
FWA de alta gama de 300/500/1000 Mbps
FWA de velocidad garantizada de 100 Mbps

CPE U6G Tozed **CPE MeiG U6G**

150 Mbps
Cable-free connection Full 5G

GigaCube 5G
First payment 1 CZK
Monthly instalment 60 x 100 CZK

Medio plazo Satisfacer la demanda de Vídeo HD/ XR/ AR

Usuario de alto valor **Velocidad VIP priorizada**

Servicio de alto valor **Vídeo / Juegos / Live Boost**

Escenario de alto valor **Eventos deportivos / Tren de alta velocidad**

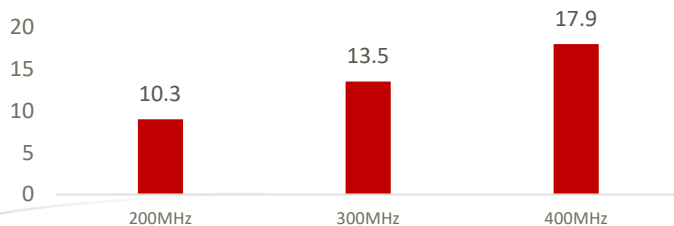
Largo plazo casos de uso relacionados con IA

Humanoid AI: más de 20 cámaras
Promedio UL >100 Mbps/Pico >500 Mbps

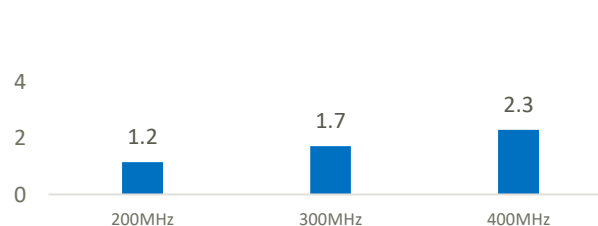
IA agente: 8 cámaras
Promedio UL de 20~50 Mbps / Pico > 200 Mbps

IA multimodelo: 2 cámaras
UL Promedio 10~20Mbps

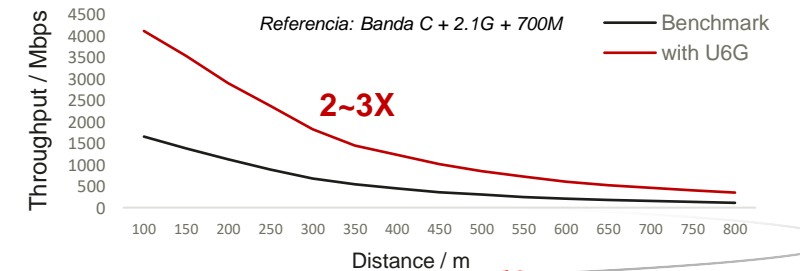
10 Gbps para Downlink @U6G



1 Gbps para Uplink @U6G

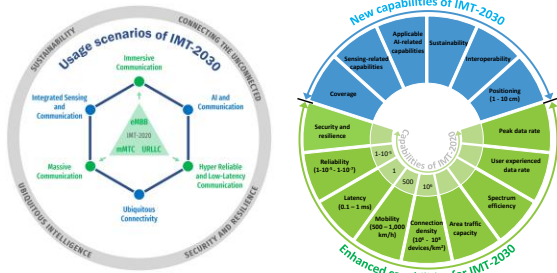


2~3X Experiencia con U6G



Progreso en la ITU y 3GPP hacia 6G

Recommendation ITU-R M.2160
 Framework and overall objectives
 of the future development of IMT
 for 2030 and beyond



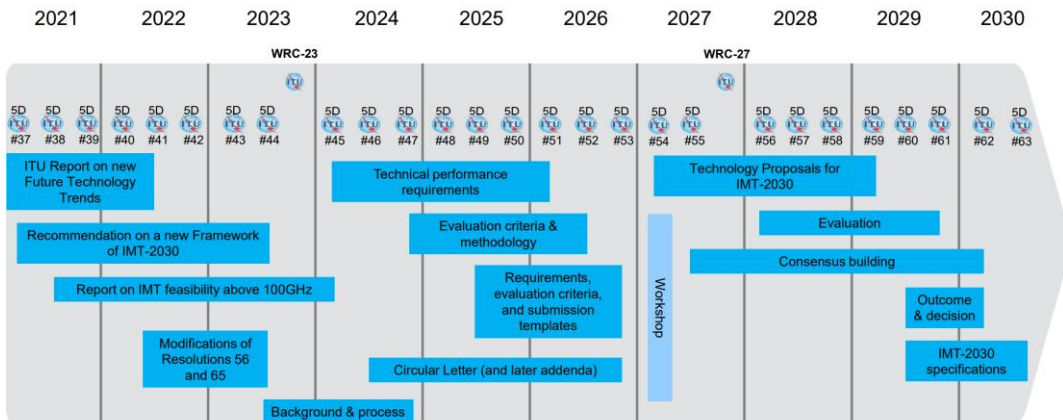
DRAFT NEW REPORT
ITU-R M.[IMT-2030.TECH PERF REQ]
 Minimum requirements related to
 technical performance
 for IMT-2030 radio interface(s)

Radiocommunication Study Groups	
Source: Document 30/TERM95218Rev.13	Document 5/116 13 February 2026 English only
Working Party 5D DRAFT NEW REPORT ITU-R M.[IMT-2030.TECH PERF REQ]	
Minimum requirements related to technical performance for IMT-2030 radio interface(s)	
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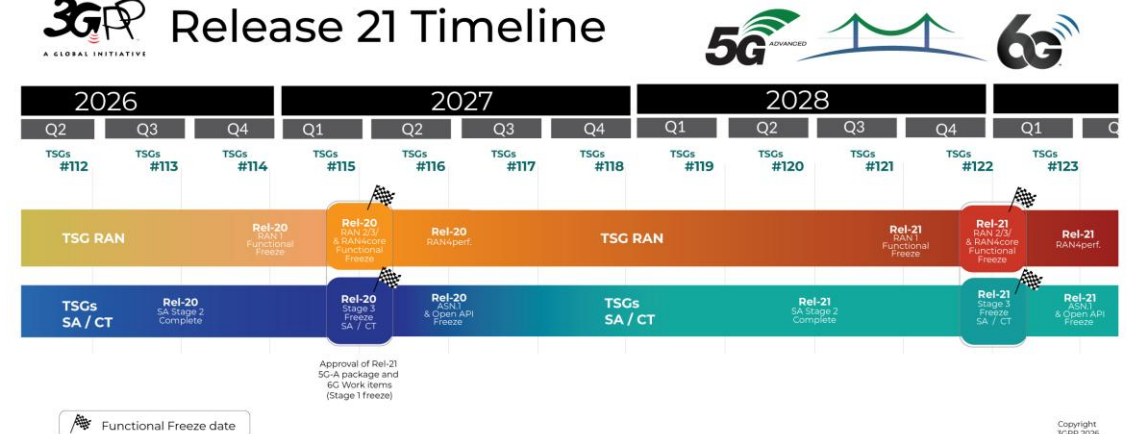
3GPP TR 38.914
 3rd Generation Partnership Project;
 Technical Specification Group
 Radio Access Network;
 Study on 6G Scenarios and Requirements;

3GPP TR 38.914 V1.0.0 (2026-06)	
Technical Report	
3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Study on 6G Scenarios and Requirements; (Release 20)	

WP 5D timeline for IMT-2030



3GPP Release 21 Timeline



El ecosistema se desarrolla rápidamente y está listo para su implementación comercial en 2026

Portafolio U6G de Huawei

UAG de 256 TRx U6G

256TRx, 1500+ AEs
OBW: 400 MHz
Ganancia de antena: 30dBi+



UAG de 64 TRx U6G

64TRx, 400 W
OBW: 400 MHz



Unidad interior U6G

Sub6GHz+U6GHz
todo en uno
OBW: 400 MHz@U6G



Ecosistema de terminales

2025

2026

2027

Prototipo TUE&CPE
4T8R 4*100M
Demo 10Gbps



Primer CPE comercial
2T4R 2*100M3Gbps
@2025Q4

Fabricantes: Tozed
Chipset: Unisoc 2*100 MHz

CPE de Alto Rendimiento
2T4R 3~4*100M5Gbps+
@2026H1

Fabricantes: Tozed/MeiG
Chipset: MTK
3*100MHz

CPE de Rendimiento Ultra
4T8R 4*100 M 10 Gbps
@2027H2

Fabricantes: Huawei / MeiG
Chipset: Silicon / Qualcomm / MTK

Prototipo de Smartphone de prueba MTK
2T4R 3*100MHz 5Gbps
@25Q4 (IoT finalizado)



Smartphone Pre-Comercial
(Xiaomi + MTK)
@2026

Primer Smartphone Comercial
(M/O/V + MTK)
@2026

Smartphone de Alta Gama
Smartphone
(M/O/V/Huawei...)
@2027

Upper 6 GHz Readiness and the Future of Mobile

Aligning spectrum policy with industry readiness to deliver capacity, innovation, and digital inclusion

As governments seek to accelerate the development of communications infrastructure, 6 GHz mobile spectrum can form an important part of sustainable connectivity. Full-power use of the upper 6 GHz band (6.425-7.125 GHz) for macro-cell mobile networks can help digital growth across the world.

The World Radiocommunication Conference in 2023 (WRC-23) harmonised the upper 6 GHz band for mobile services and it has subsequently been included in national spectrum roadmaps. Countries accounting for more than 80% of the world's population now support mobile use of upper 6 GHz, providing the scale and certainty needed for a strong global ecosystem.

The first upper 6 GHz assignment processes have been finalised, and further awards are expected in the coming years in EMEA, APAC and the Americas. The timing of awards will be dependent on individual market demand. Trials of equipment have been carried out since 2022, reaching peak data speeds of 12 Gbps.

Upper 6 GHz capacity will support increasing customer demand and traffic growth as existing applications develop, and new use cases are deployed at scale. It can be used for the future evolution of mobile through 5G-Advanced and the launch of 6G. 6 GHz can enable the 200-400 MHz channel bandwidths that will be required in the 6G era.

The GSMA and the below stakeholders:

- Recognise that upper 6 GHz (6.425-7.125 GHz) capacity is essential to meet growing demand and enable the future evolution of mobile connectivity.
- Support the full development of the upper 6 GHz band for full-power macro-cell mobile, as part of a clear, forward-looking spectrum roadmap for operators.
- Confirm industry readiness to deliver equipment and solutions that will enable the large-scale deployment of upper 6 GHz networks.
- Call for timely and market-driven assignments of the upper 6 GHz band under balanced, pro-investment conditions, ensuring it can deliver its full potential for connectivity, innovation, and economic growth.



<https://www.linkedin.com/feed/update/urn:li:activity:7475878488034586624/>

Servicio comercial en 2026 con 5G-advanced en los países pioneros

Emiratos Árabes Unidos: " 10Giga Intelligence Nation "



- Objetivo: liderazgo en 5G-A/6G, 350 MHz/MNO
- Caso de uso: FWA para hogares con velocidad de fibra
- Experiencia garantizada de 1 Gbps con U6 GHz



Hong Kong CHN: Evolución 5G-A/6G con U6GHz para superar las limitaciones de 3.5GHz

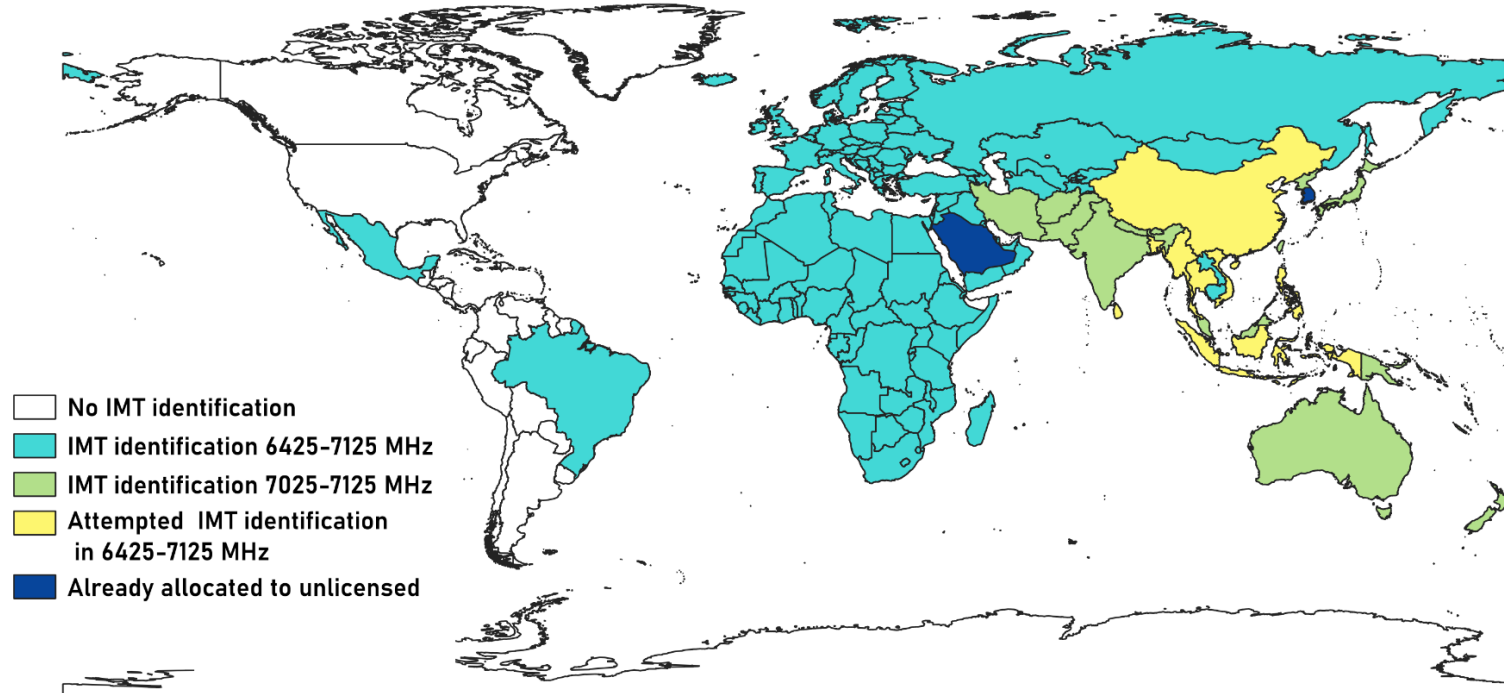


- Objetivo: Liderazgo en 5G-A y 6G en APAC
- Caso de uso: línea privada empresarial, Mi-Fi para estadios
- Solucionar la limitación actual de 3.5GHz (área/BW)



Resultados de la CMR-23 y progreso desde 2023

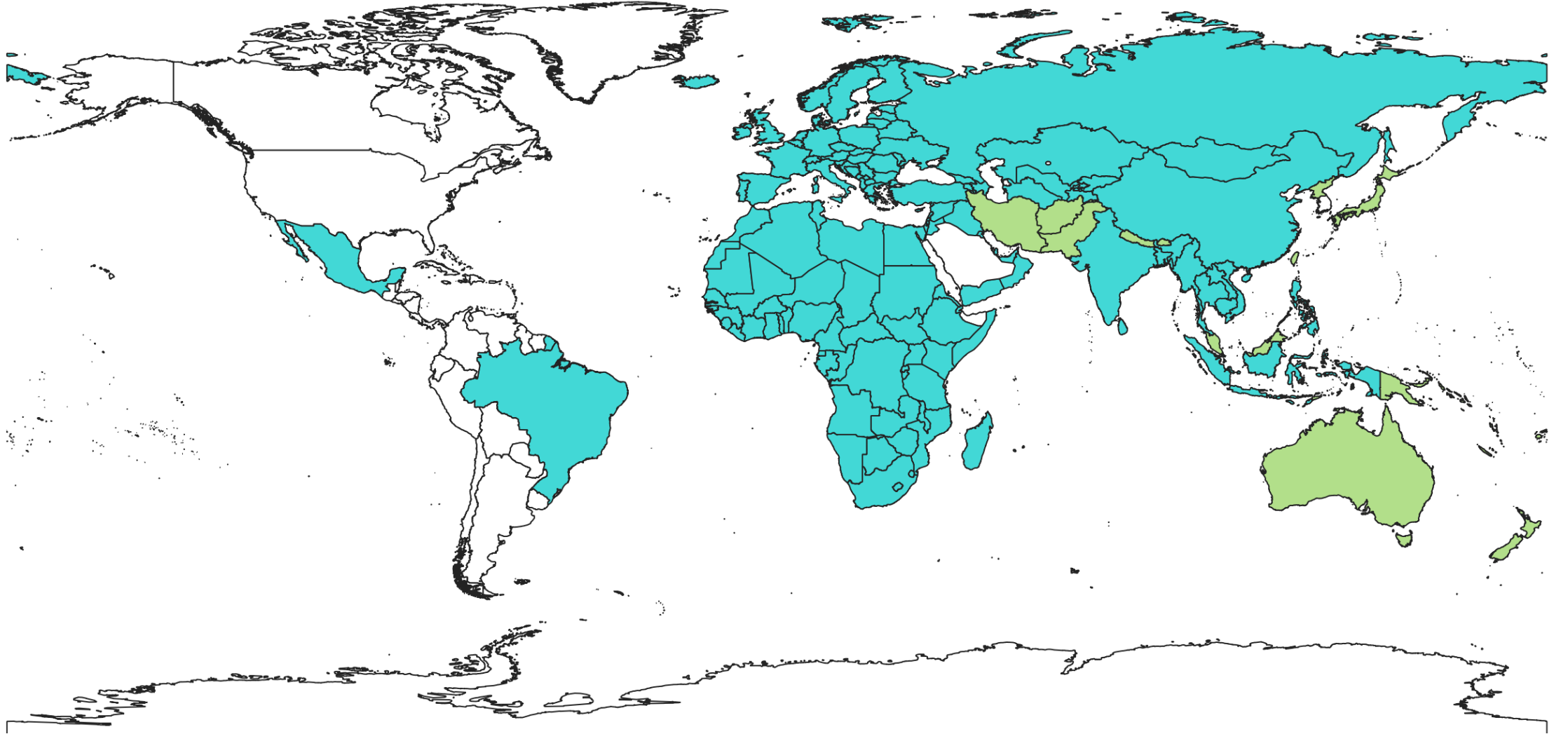
Resultado de la CMR-23



Progreso desde la CMR-23

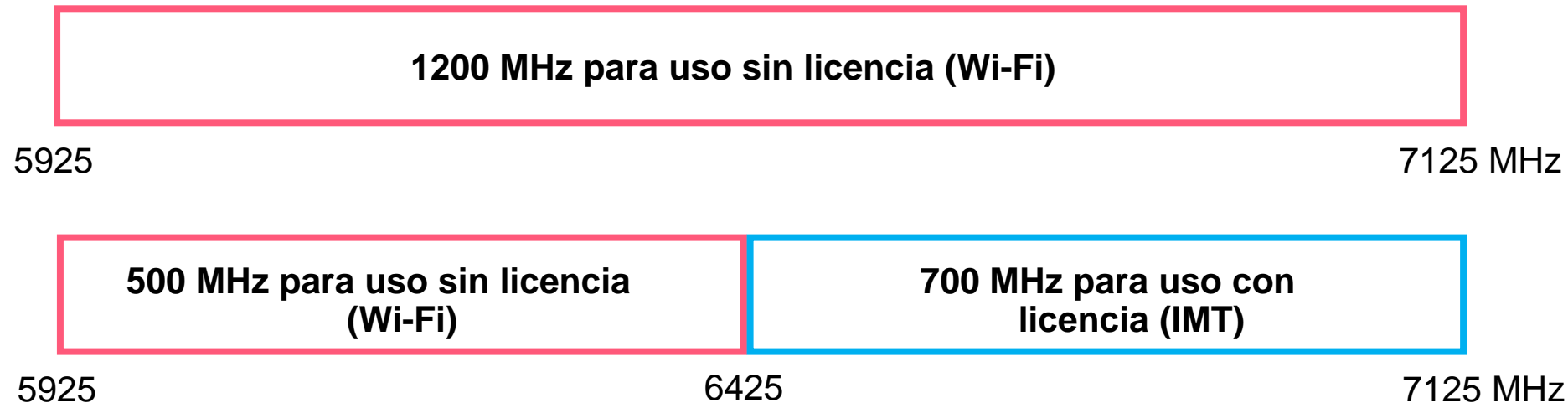
- Asignación en Hong Kong y Emiratos Árabes Unidos
- Varios países asiáticos han identificado para IMT en sus cuadros nacionales de frecuencias, realizado consultas y publicado declaraciones de intenciones
- La Comisión Europea ha emitido una opinión a favor de IMT en la banda
- Múltiples países africanos han incorporado la identificación a sus cuadros nacionales de frecuencias

Nuestras expectativas para la CMR-27



La CMR-27 ofrece una oportunidad para la armonización global
Esperamos que varios países asiáticos propongan una identificación nacional para IMT en la CMR-27

Nuestra propuesta es un enfoque equilibrado en 6 GHz, para satisfacer las necesidades de IMT y Wi-Fi



Tanto IMT como Wi-Fi tienen un papel importante que desempeñar y debe garantizarse un espectro suficiente para su desarrollo

Thank you.

cesar.gutierrez@huawei.com

把数字世界带入每个人、每个家庭、
每个组织，构建万物互联的智能世界。

Bring digital to every person, home and
organization for a fully connected,
intelligent world.

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