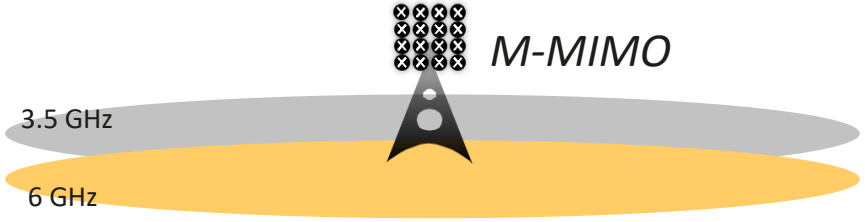
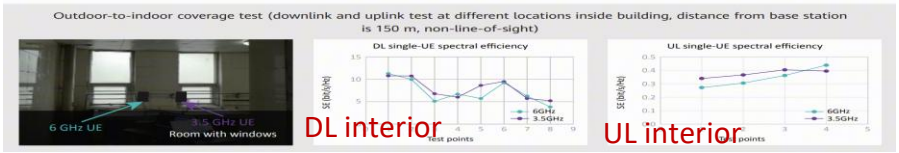
Foro público sobre el uso de la banda de frecuencia de 6 GHz

ASEP, 7 de julio de 2026

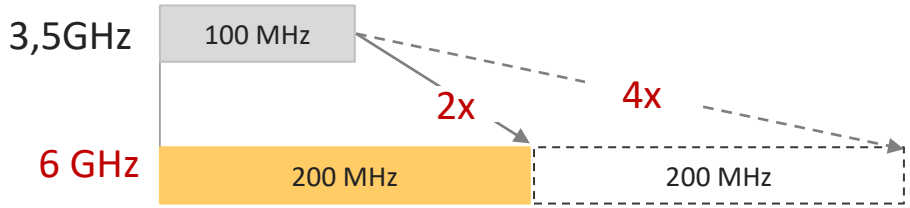
6425-7125 MHz es la próxima “banda C”: las características de cobertura y capacidad permiten una experiencia similar a la fibra y mejoran la eficiencia de la red

Area de cobertura similar a la de 3.5 GHz





Mayor ancho de banda disponible



Velocidad comparable a la fibra

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

U6G facilita nuevos casos de uso

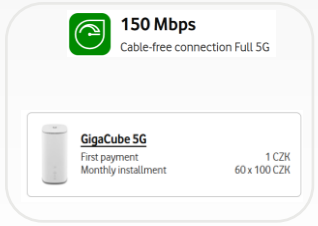
Corto plazo
Mejora de FWA

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

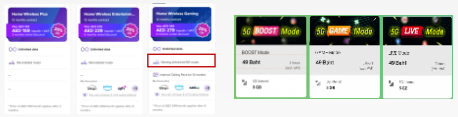


Medio plazo
Satisfacer la demanda de Vídeo HD/ XR/ AR

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

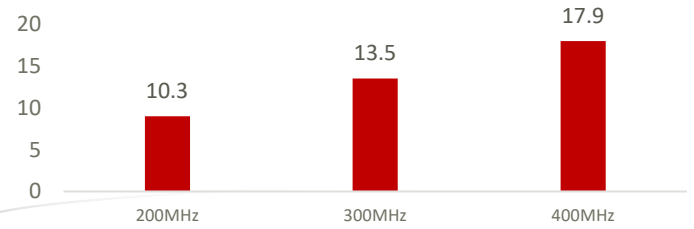
Largo plazo
casos de uso relacionados con IA

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

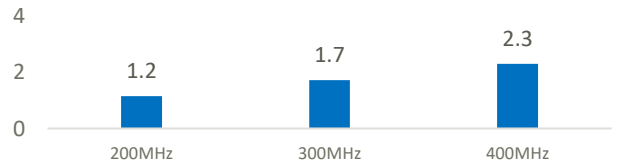
IA agente: 8 cámaras
Promedio UL de 20~50 Mbps / Pico > 200 Mbps

IA multimodelo: 2 cámaras
UL Promedio 10~20Mbps

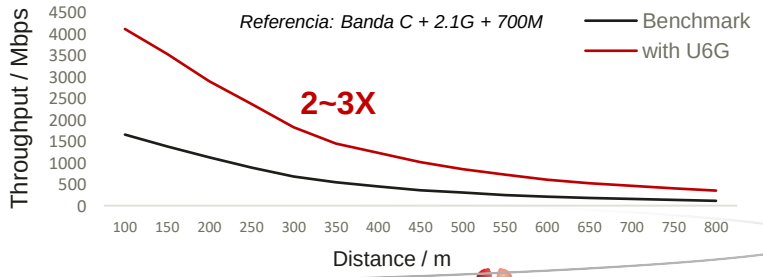
10 Gbps para Downlink @U6G



1 Gbps para Uplink @U6G



2~3X Experiencia con U6G



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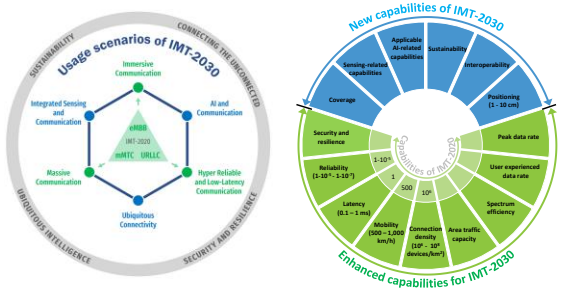
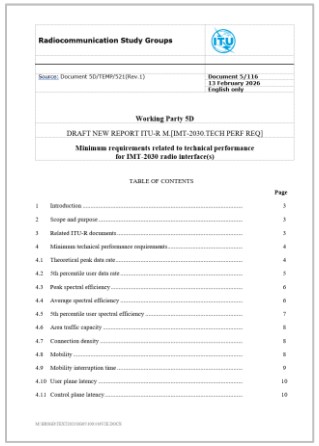
Progreso en la ITU y 3GPP hacia 6G

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

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)

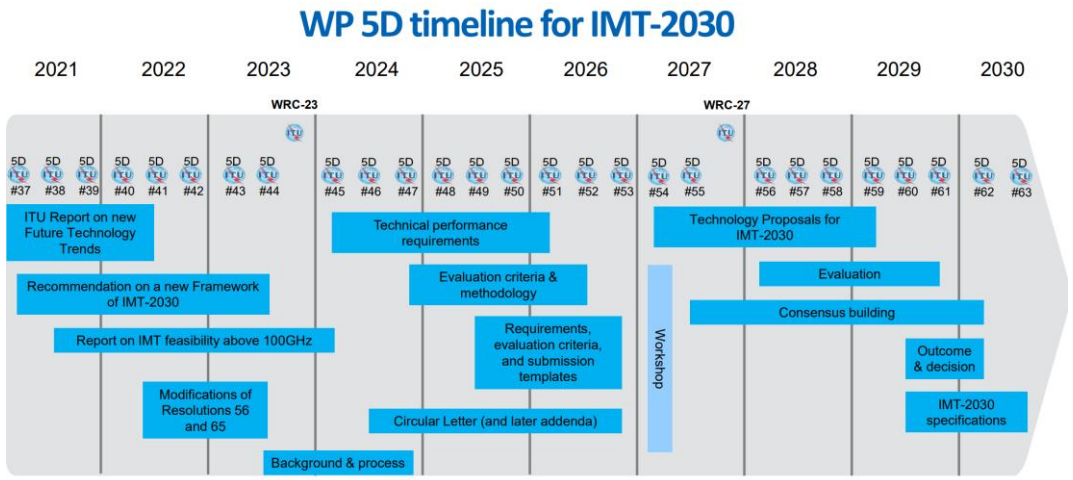
TABLE OF CONTENTS

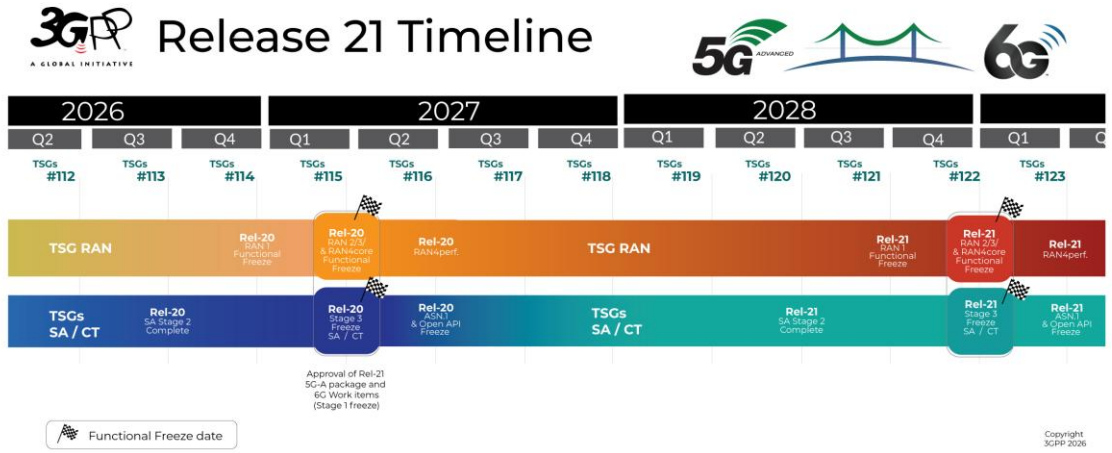
3GPP TR 38.914
3rd Generation Partnership Project;
Technical Specification Group
Radio Access Network;
Study on 6G Scenarios and Requirements;


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)



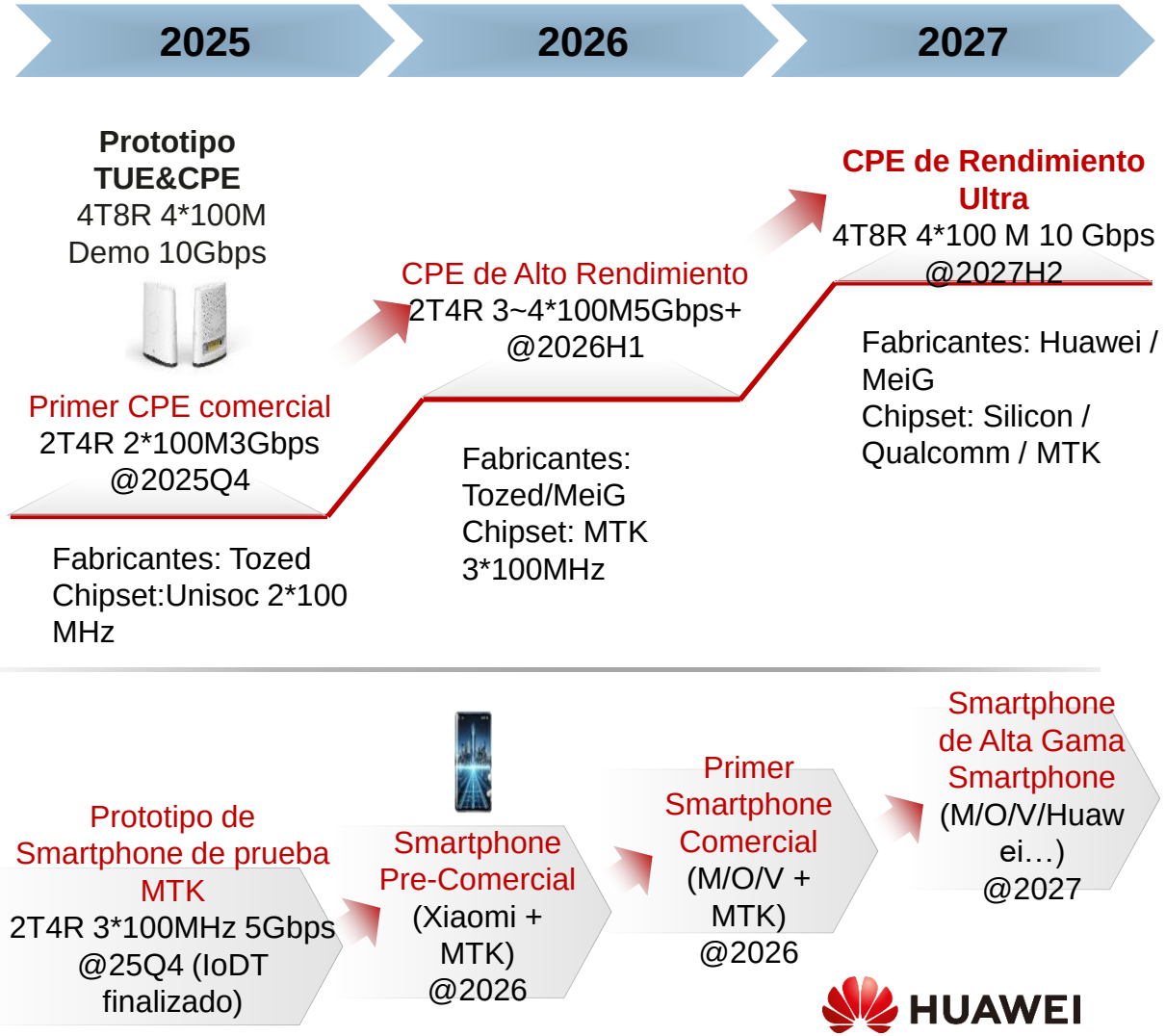


El ecosistema se desarrolla rápidamente y esta listo para su implementación comercial en 2026

Portafolio U6G de Huawei

UAG de 256 TRx U6G	UAG de 64 TRx U6G	Unidad interior U6G
256TRx, 1500+ AEs OBW: 400 MHz Ganancia de antena: 30dBi+	64TRx, 400 W OBW: 400 MHz	Sub6GHz+U6GHz todo en uno OBW: 400 MHz@U6G

Ecosistema de terminales



NOTA: Todos los planes futuros de lanzamiento de terminales/chipsets se basan en la colaboración actual del sector, no en un compromiso comercial.

GSMA

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.**

SPECTRUM For the benefit of billions

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

HUAWEI

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

Emiratos Árabes Unidos: " 10Giga Intelligence Nation "

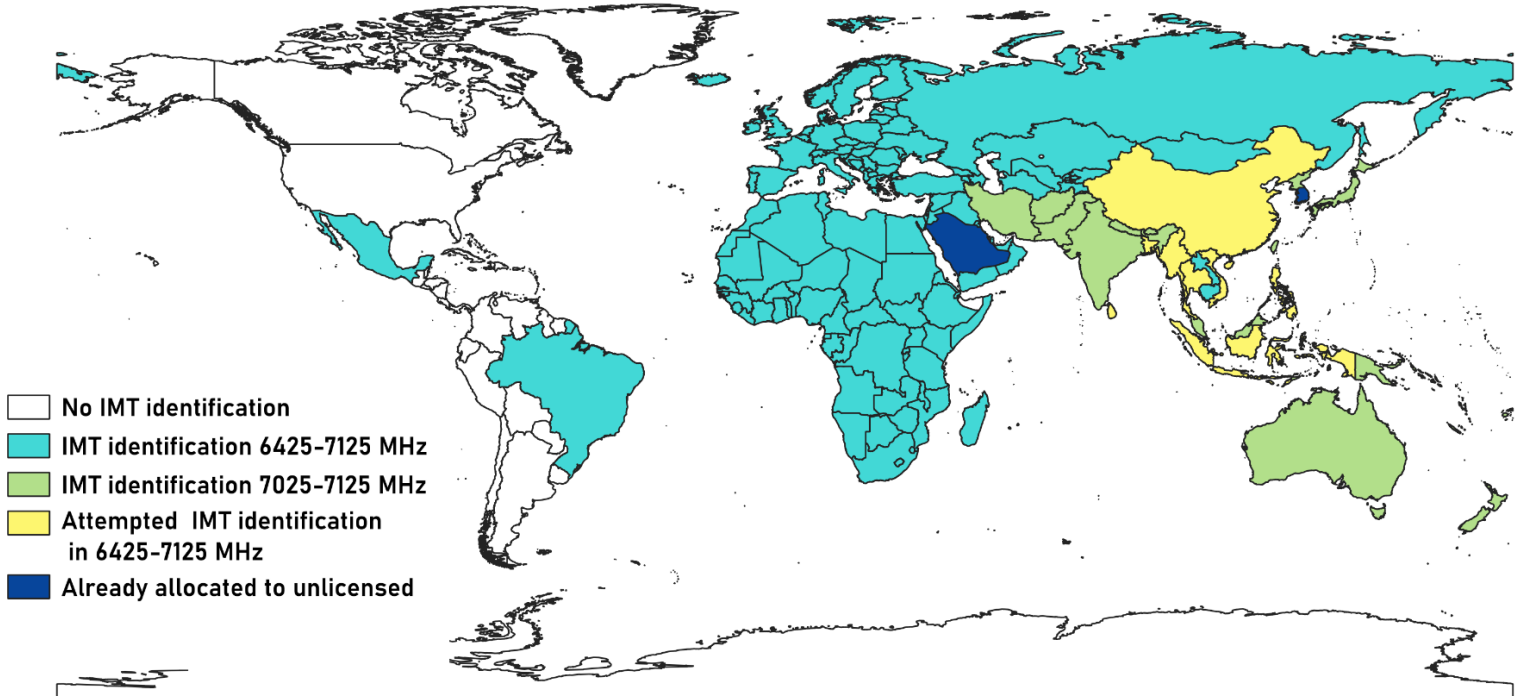
- Objetivo: liderazgo en 5G-A/6G, 350 MHz/ MNO
- Caso de uso: FWA para hogares con velocidad de fibra
- Experiencia garantizada de 1 Gbps con U6 GHz

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

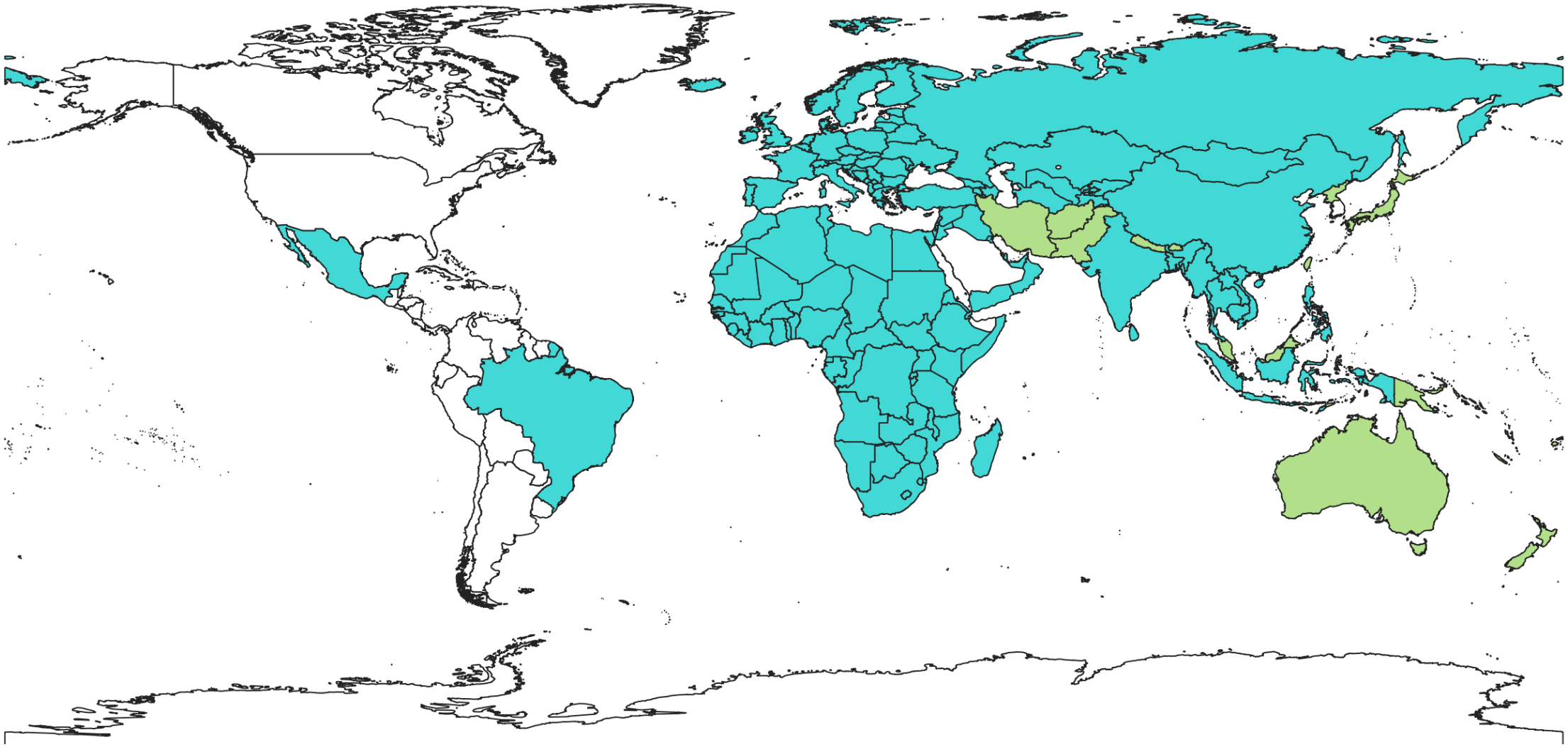
Resultado de la CMR-23



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

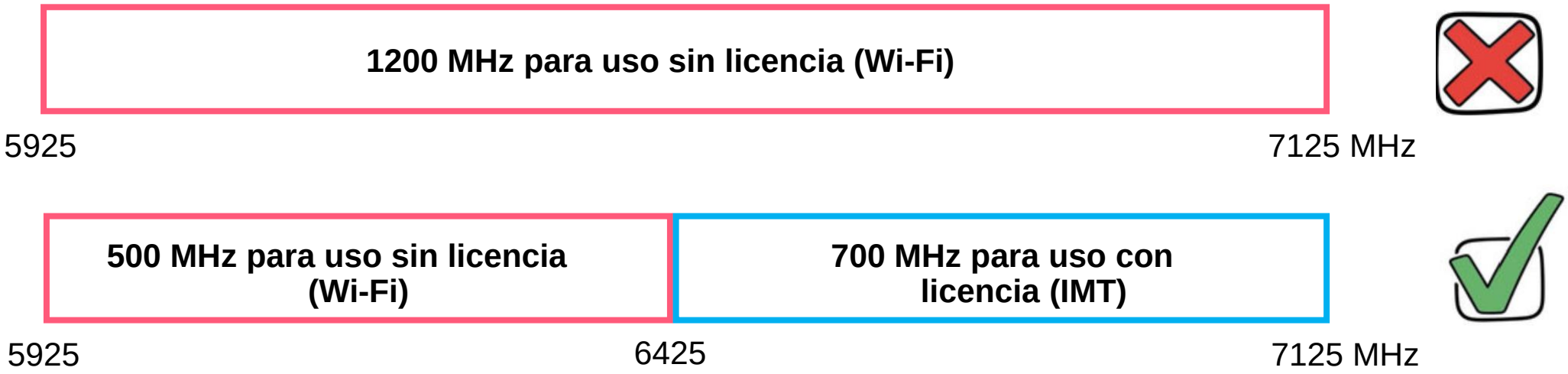
Nuestras expectativas para la CMR-27



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

HUAWEI

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.