



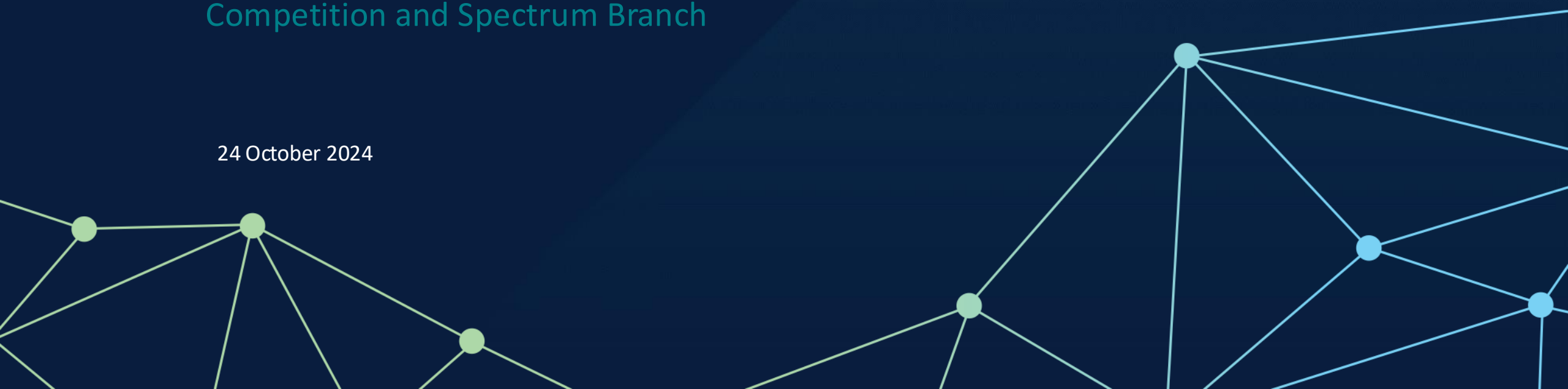
Australian Government

Department of Infrastructure, Transport,
Regional Development, Communications and the Arts

International Radiocommunications and the World Radiocommunication Conference 2023

Shanyn Sparreboom – Assistant Secretary
Competition and Spectrum Branch

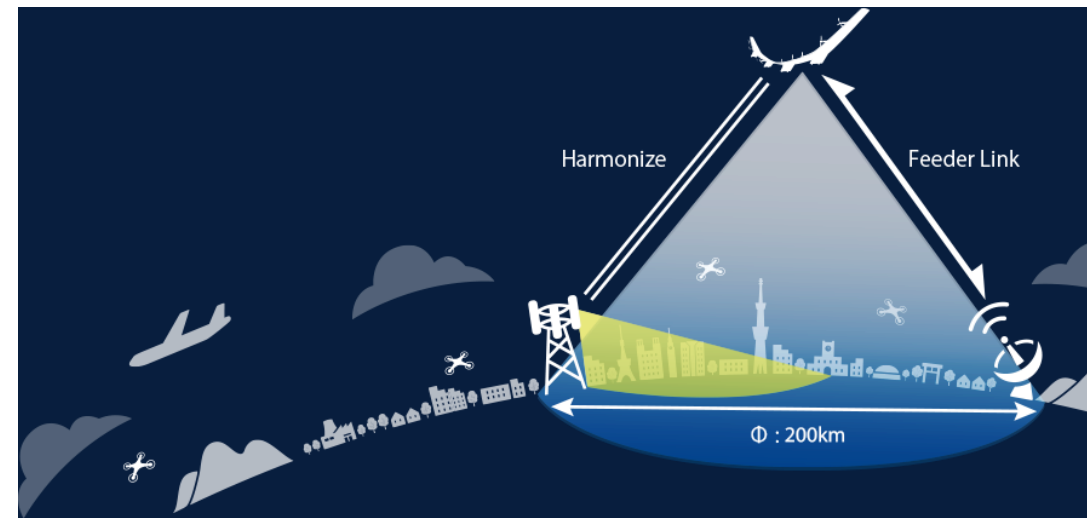
24 October 2024



Australian Delegation to WRC-23



Mobile Broadband



Additional spectrum identified for 5G and 6G services in the upper 6 GHz band

WRC-23 also recognised use of the band for Wi-Fi

Arrangements to support use of high-altitude platform stations as mobile base stations in IMT bands

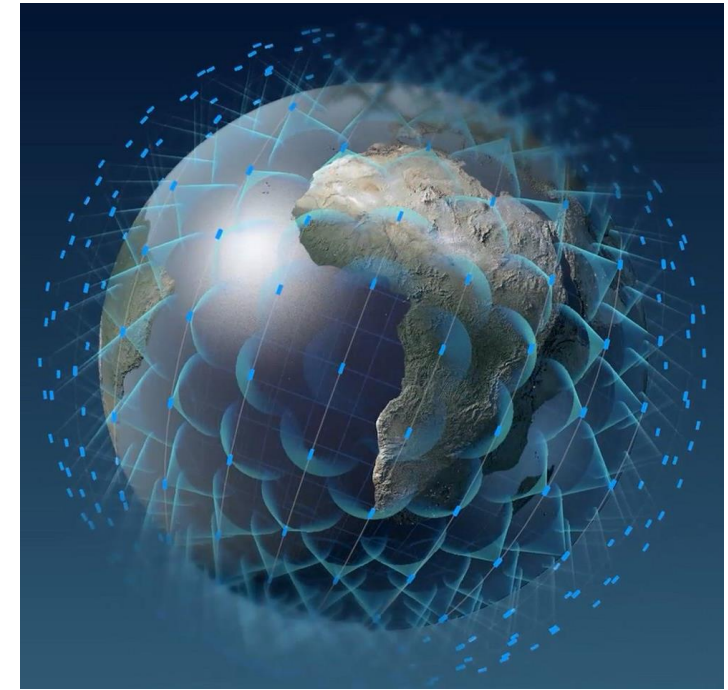


Satellite Services

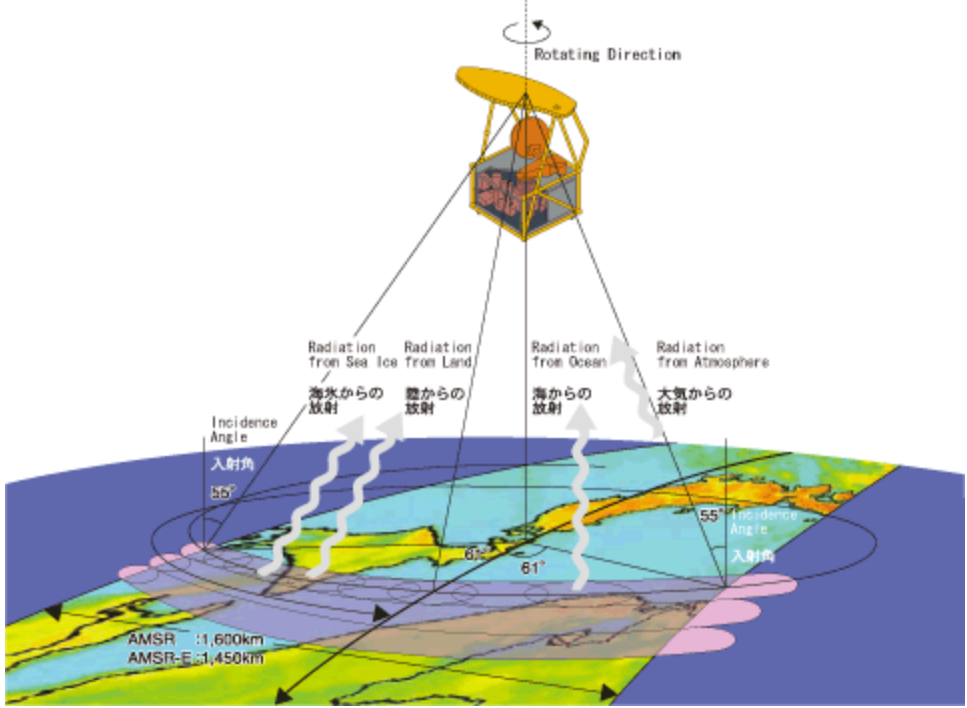
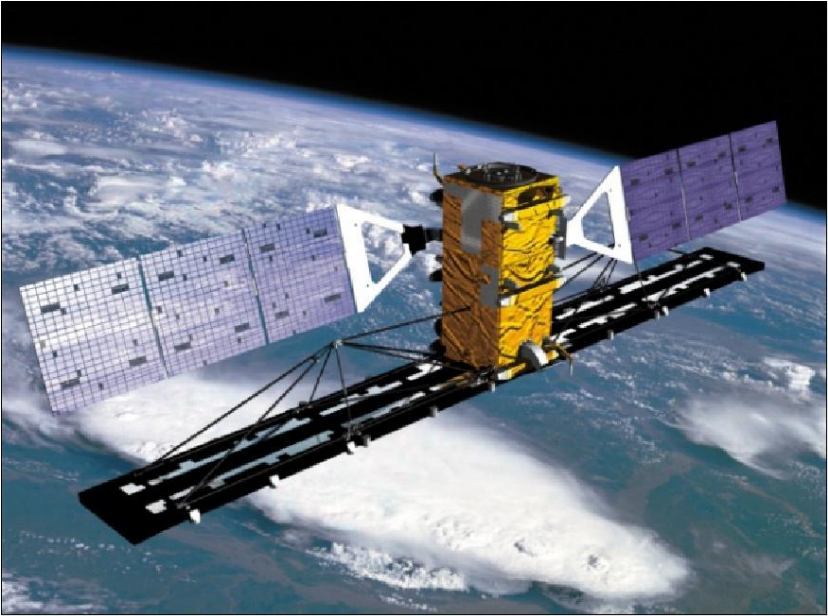
Earth stations in motion (ESIMs)

- New frequencies to support satellite delivery of high-speed broadband services onboard aircraft and ships

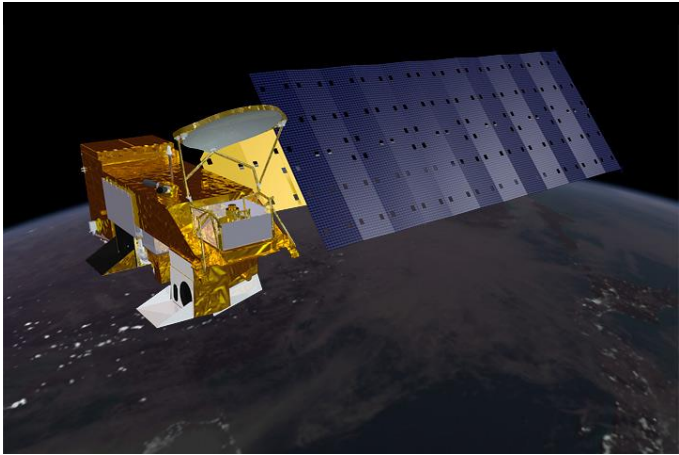
Updates to the ITU regulatory procedures for large LEOsSat constellations



Science Services



Allocation of additional frequencies for Earth exploration satellite services to enable better weather forecasting and climate monitoring

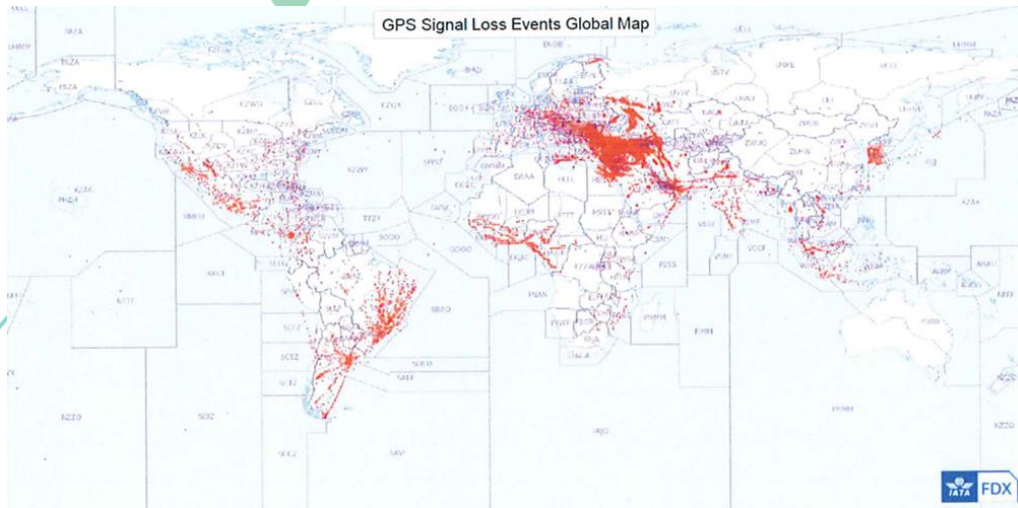


Maritime and Aviation Services

Allocation of new frequencies for non-GSO satellite systems to support communication between pilots and air traffic controllers, especially over oceanic and remote areas

Call to take action to prevent interference to satellite radionavigation services

Updates to the GMDSS



WRC-27 and beyond

ITU agreed to consider arrangements to support satellite direct-to-handset services in terrestrial spectrum

Additional spectrum for IMT

Will enable the next WRC in 2027 to update the International Radio Regulations to keep pace with technology

