

Activities of the Asia-Pacific Telecommunity on Spectrum Management

ITU Regional Radiocommunication Seminar 2021 for Asia-Pacific

11 – 22 October 2021





Over 40 Years in
service!

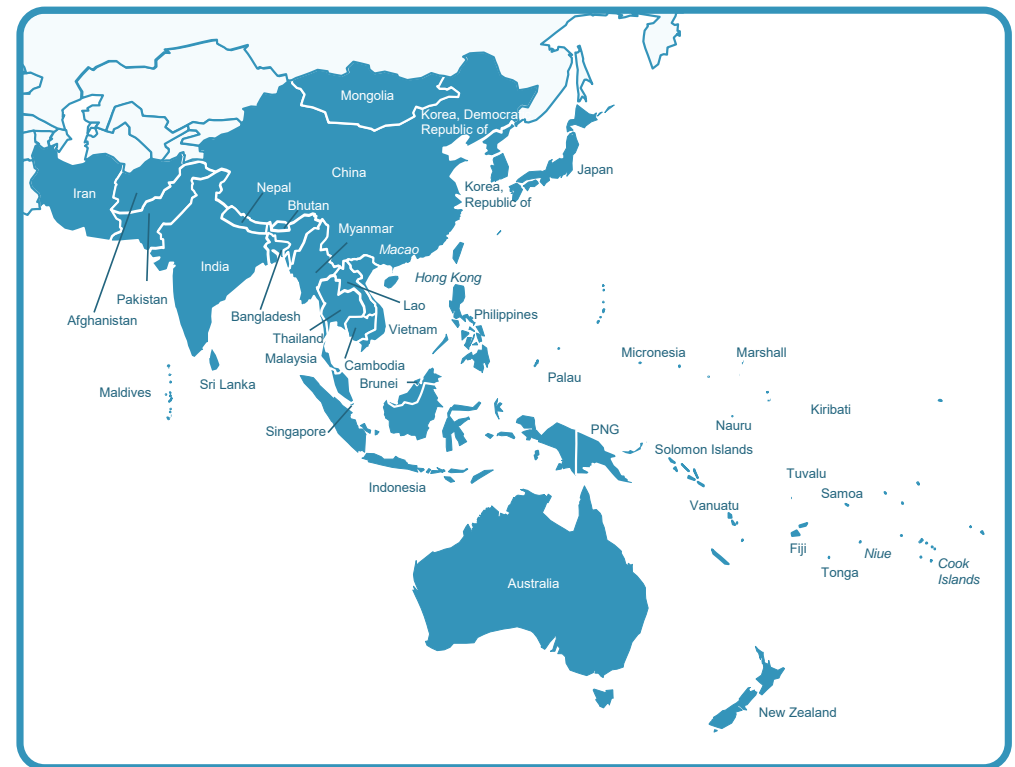
APT fosters the development of telecommunication services and information infrastructure throughout the Asia-Pacific region.

Find out more about Asia-Pacific Telecommunity



APT at a glance

- ✓ An Intergovernmental Organization established based on International Treaty
- ✓ 38 Members, 4 Associate Members (States/Territories in the region);
- ✓ 136 Affiliate Members (as of 10 October 2021) (Open to any Enterprise, Agency, Institute, Organization, Academia, etc. active in ICT/Telecommunication area in the region)



Strategic Plan for 2021-2023

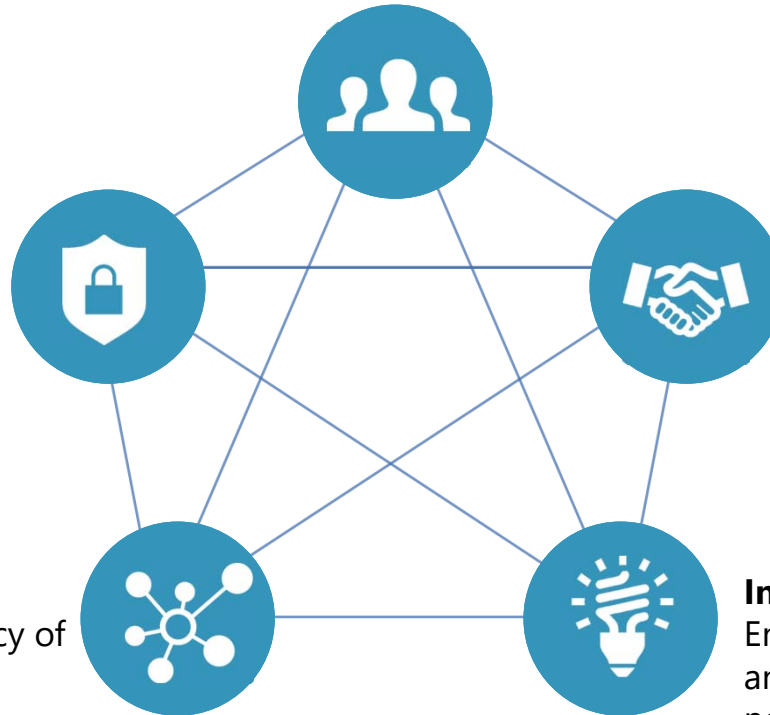
Inclusion & Capacity building:
Promoting inclusiveness
and enhancing digital skills and literacy

Trust & Safety:
Ensuring secure cyberspace, security
and resilience
through telecommunication/ICT

Collaboration & Partnership:
Solidifying strategic
Collaboration with stakeholders

Connectivity:
Enhancing access and efficiency of
Digital Infrastructure

Innovation:
Enabling conducive environments
and harnessing the benefits of
new technologies



Spectrum Management and Radiocommunication in Strategic Plan 2021-2023

- ✔ Comes under two strategic pillars 'Connectivity' and 'Innovation' with the objectives of
 - ✔ Objective a.2: To improve the policies, regulations and measures for spectrum, which is a critical resource for delivering connectivity
 - ✔ Objective b.1: To foster the development and adoption of the new and emerging telecommunication/ICT and appropriate international standards

Spectrum Management and Radiocommunication in Strategic Plan 2021-2023 (2)

Objective a.2: To improve the policies, regulations and measures for spectrum, which is a critical resource for delivering connectivity

a.2.1 Assist in ensuring fair, predictable and transparent policy and regulation to access spectrum resources effectively that enable the use of mobile and fixed wireless and satellite technologies to enhance connectivity

a.2.2 Assist to ensure the availability of sufficient and harmonized spectrum bands for the adoption of IMT-2020 (5G) and other wireless technologies while recognizing the continued importance of 3G and 4G to connect people and businesses in some areas of the APT region, where necessary

a.2.3 Provide support in assessing the spectrum management practices of members including spectrum sharing, re-farming, licensing, pricing, valuation, monitoring and protection, developing spectrum roadmap and action plans for the development of spectrum management infrastructure, procedures and tools; and

a.2.4 Encourage and promote collaboration and cross-border coordination among members for improving spectrum management practices, including regional and sub-regional harmonization and efficient utilization of spectrum for innovative usage.

Objective b.1: To foster the development and adoption of the new and emerging telecommunication/ICT and appropriate international standards

b.1.1 Encourage the development of emerging telecommunication/ICT, including, but not limited to, Internet of Things (IoT) and Artificial Intelligence (AI) to support the digital transformation of the economy and society and to equip the members for the advent of the new industrial revolution

b.1.2 Assist in the development of enabling policy and regulatory environments that encourage and leverage innovation and investment in new and emerging telecommunication/ICT, including the new ecosystem brought by IMT-2020 (5G) to foster an open and competitive economy;

b.1.3 Provide assistance in adopting international standards by providing relevant guidelines, implementation specifications, compatibility and interoperability reports and best practices;

b.1.4 Support to bridge the innovative gap between LDCs, LLDCs, SIDS, developing countries and developed countries in the region; and

b.1.5 Provide platforms to promote collaborative innovation and technology development and to share the knowledge of and trends in relation to emerging telecommunication/ICT and share best practice for the effective use of emerging telecommunication/ICT.

APT Work Programmes on Spectrum Management and Radiocommunication

✔ **APT Conference Preparatory Group for WRCs (APG)**

- ✔ To develop regional common proposals for World Radiocommunication Conferences (WRCs)

✔ **APT Wireless Group (AWG)**

- ✔ Facilitate regional harmonization of spectrum usage
 - ✔ Assist and support APT Members in using the radio frequency spectrum effectively
 - ✔ Promote the introduction and development of new radiocommunication technologies and applications in the Asia-Pacific region and to propose cost effective implementation solutions
- ✔ APT Training Programmes on Spectrum Management and radiocommunication related issues
 - ✔ APT Symposium on Spectrum Management and APT Web Dialogue Series on Spectrum Management

A Detail of the Activities of APT Wireless Group (AWG)

✓ **New Structure (adopted in September 2021 at AWG-28):**

Working Group on Harmonization	Working Group on IMT	Working Group on Terrestrial	Working Group on Space, Aeronautical and Maritime
Sub Working Group on Spectrum Arrangement and Harmonization (Sub-WG SA&H)	Sub Working Group on IMT Spectrum (Sub-WG IMT Spec)	Task Group on Fixed Wireless and Ground-Based Radar Systems (TG FWS/GBRS)	Task Group on Satellite Systems (TG SAT)
	Sub Working Group on IMT Technologies (Sub-WG IMT Tech)	Task Group on Intelligent Transportation Systems (TG ITS)	Task Group on Aeronautical and Maritime (TG A&M)
Sub Working Group on Sharing Studies (Sub-WG SS)	Task Group on PPDR (TG PPDR)	Task Group on Wireless Power Transmission (TG WPT)	
	Task Group on High Altitude Platform Station (TG HAPS)	Task Group on Railway Radiocommunications (TG RR)	
Sub Working Group on Spectrum Monitoring (Sub-WG SM)			

Ad-Hoc Group on APT Frequency Information System (Ad-Hoc AFIS)

A Detail of the Activities of APT Wireless Group (AWG)

- ✓ In general, two AWG meetings each year (March/April; August/September)
- ✓ Attended by over 200 delegates (in virtual meetings over 400 delegates)
- ✓ Updated AWG workplan available at <https://www.apt.int/APTAWG>
- ✓ AWG carries out numerous surveys on frequency usage for various radiocommunication services
- ✓ Conduct the follow up activities and implementation mechanism after the completion of a WRC

A Detail of the Activities of APT Wireless Group (AWG)

AWG Outcomes:

- ✓ AWG is developing a good number of APT Reports and Recommendations
- ✓ APT700 band plan was developed by AWG
- ✓ AWG outcomes are available at: <http://www.apt.int/AWG-RECS-REPS>

A Detail of the Activities of APT Wireless Group (AWG)

Participating in AWG activities:

- ✓ AWG activities are open for all APT membership
- ✓ Governments and industry are participating and actively collaborating in the work of AWG since its inception
- ✓ Next AWG meeting, AWG-29, will be held in March/April 2022

Key Takeaways:

- ✓ Introduction on APT
- ✓ Understand the activities of APT on spectrum management and radiocommunication
- ✓ Details on the activities APT Wireless Group (AWG)
- ✓ How to take part in the activities



Thank you

