



CANSO ASIA PACIFIC REGION

SHAPING
OUR
FUTURE
SKIES

The key priorities of the CANSO Asia Pacific (APAC) Region are air traffic management (ATM) safety, operational efficiency and capacity building. As the world's largest aviation market with one of the highest growth rates, the air navigation service providers (ANSPs) in APAC face common challenges in managing the rapid growth of air traffic safely and efficiently across the region. To drive improvements in ATM performance, CANSO APAC members work together across borders and leverage technology and innovation to improve systems and processes.

Working with CANSO APAC members

CANSO is working closely with its APAC members to transform ATM in the region. Its efforts are focused on ATM safety and on cross-border collaboration in key elements of the ICAO Aviation System Block Upgrades (ASBUs) such as automatic dependent surveillance – broadcast (ADS-B), air traffic flow management (ATFM), airport-collaborative decision making (A-CDM), and performance-based navigation (PBN). CANSO APAC members have successfully implemented ADS-B data sharing in several high density airways over the South China Sea leading to improved flight safety and enhanced airspace capacity. They have also tested and implemented a new ATFM concept to balance air traffic demand and capacity. Known as Distributed Multi-Nodal ATFM, the project is spearheaded by CANSO APAC members and currently involves 11 ANSPs and their airports across the region.

Working with ICAO and stakeholders

CANSO and its APAC members cooperate closely with ICAO, States and industry partners in the region to achieve the common vision of a safe, seamless and harmonised sky. This vision is encapsulated in the ICAO APAC Seamless ANS Plan and the 2018 Beijing Declaration of the APAC Civil Aviation Ministerial Conference.

Towards this end, CANSO APAC participates actively in the ICAO Asia Pacific Air Navigation Planning and Implementation Regional Group and its subsidiary bodies by contributing expertise and coordinating implementation plans. CANSO experts have contributed to the ICAO Seamless ATM Planning Group and are contributing in ICAO APAC workgroups and task forces responsible for the planning of ADS-B, A-CDM, ATFM and Unmanned Aircraft Systems (UAS) in the region. CANSO publications providing safety and operational guidance material on topics such as Safety Management System (SMS), Aeronautical Information Management (AIM) Quality Management, Cyber-Security, Acquisition Excellence and UAS are shared at ICAO APAC forums to encourage their adoption by States and ANSPs.

Asia Pacific CANSO CEO Committee

Established in 2008, the Asia Pacific CANSO CEO Committee (APC3) governs and directs CANSO's work in the Asia Pacific region, within the framework of the organisation's global policies and positions. APC3 is supported by the Director Asia Pacific Affairs and regional safety and operations workgroups that promote ATM collaboration and industry best practices. Today, APC3 has grown from 4 to 21 members.

Asia Pacific Operations and Safety Workgroups

In addition to the CANSO Asia Pacific Conference which is held annually and hosted by CANSO APAC members, there are other opportunities for CANSO APAC members to collaborate and share experiences and best practices. These include regular meetings of the CANSO APAC Operations Workgroup and the APAC Safety Workgroup which are held twice a year. The APAC Workgroups have a vital role to play in strengthening closer collaboration among ANSPs in the region and helping translate the vision of a seamless sky into strategy and action.

The CANSO APAC Operations Workgroup focuses on cross-border projects such as ADS-B, ATFM and en-route PBN harmonisation. It was instrumental in driving ADS-B data sharing in airspace lacking radar surveillance such as parts of the South China Sea, the Bay of Bengal and the Indian Ocean. The workgroup also led a successful CDM city pair trial between Singapore and Bangkok which was the precursor of the Multi-Nodal ATFM project.

The CANSO APAC Safety Workgroup has delivered a range of workshops in areas such as safety culture, safety change management, fatigue risk management and the application of the Risk Analysis Tool (RAT). The workgroup has also established a safety knowledge repository for the region and promoted SMS maturity assessment through the CANSO Standard of Excellence in ANS-Safety (SEANS-Safety). A key outcome of its work was the publication of the CANSO APAC Regional Safety Implementation Strategy in 2016 (updated in 2018) to guide the development of the region's safety priorities and implementation plans.



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CANSO APAC Workshops

CANSO APAC workshops provide another important platform for the sharing of expertise and experiences among ANSPs and their stakeholders. These CANSO APAC workshops are run either in conjunction with the APAC Conference or as stand-alone events facilitated by CANSO subject matter experts. Running such workshops in the region allows for wider participation of APAC members and minimises their travel cost. These workshops cover a range of ATM subjects of priority to CANSO APAC members such as SEANS-Safety, AIS-AIM transition, UAS and operational ATM performance metrics. More recently, this was extended to encompass the training of ATFM specialists in Multi-Nodal ATFM.

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