

INTERNATIONAL CIVIL AVIATION ORGANIZATION  
ASIA AND PACIFIC OFFICE

## FREE ROUTE AIRSPACE (FRA) WEBINAR

*(Video Teleconference, 29 August 2023)*

## PROGRAMME OUTLINE

**1. INTRODUCTION**

The Global Air Navigation Plan and the APAC Seamless Air Navigation Service (ANS) Plan both prioritize safety and efficiency. The implementation of the FRA is accompanied by advanced CNS technologies, including ADS-B, CPDLC, and automatic monitoring and warning systems. These technologies enhance safety and efficiency management, promoting safer and more efficient air navigation practices across the APAC region in alignment with the APAC Seamless ANS Plan.

Furthermore, FRA bolsters operational efficiency by allowing aircraft to choose their own routes within a predefined airspace, leading to more direct routing, reduced flight times, less fuel consumption, and lower emissions. This efficiency is a critical aim of the APAC Seamless ANS Plan, striving to optimize airspace utilization and enhance the performance of air navigation systems in the APAC region. (FRTO: PASL 7.29, 7.31, 7.36, 7.51 / ASUR: PARS 7.8, 7.11 & PASL 7.26, 7.28, 7.30 / COMI: PASL 7.25)

Recognizing these benefits, the International Civil Aviation Organization (ICAO) APAC Regional Office is offering a 3-hour webinar on the operational benefits and technical aspects of FRA implementation. This online event will provide crucial strategies, share successful implementations, and facilitate knowledge exchange, all with the aim of encouraging widespread FRA adoption in the APAC region.

**2. INTRODUCTION BY ICAO**

This session will provide an introductory lecture on the FRA concept from the following aspects:

- FRA definition is.
- FRA's benefits to airspace users.

**3. PRESENTATION BY STATES**

This session will invite key stakeholders from government regulators, ANSPs and operators to exchange best practices, lessons learned and respective challenges from the following aspects:

- **Case Studies of Successful FRA Adoption/Implementation.** Presenting real-world examples of successful FRA adoption or implementations, showcasing how they have enhanced operational efficiency and safety.
- **Technology & Infrastructure for FRA.** A focused session discussing the technical underpinnings of FRA, including the role of ADS-B, CPDLC, and other critical technologies.

- **Airspace management.** Civil-military cooperation in FRA: Balancing the demands of civilian and military airspace users.
- **Training and development of ATC personnel.** Best practices for ongoing training programme in an FRA environment.
- **Operator Perspectives on FRA Implementation.** Providing the perspective of those directly involved in daily FRA operations including Airline pilots, dispatchers, or air traffic controllers, and discussing the real-world benefits and challenges they face in FRA operations.

State presentations should concentrate on one of the aforementioned aspects. If there is an intention to cover multiple aspects, separate presentations should be submitted for each topic. At this time, submissions for additional topics will not be entertained.

Each presentation must:

- not exceed 20 minutes for each topic;
- be written in English;
- be provided in a readable/writable format such as MS-Word or PowerPoint; and
- be submitted to ICAO at [apac-rso@icao.int](mailto:apac-rso@icao.int) with a copy to [hykwon@icao.int](mailto:hykwon@icao.int) **not later than August 22, 2023.**

Q & A sessions will be followed.

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