

INTERNATIONAL CIVIL AVIATION ORGANIZATION
ASIA AND PACIFIC OFFICEUNMANNED AIRCRAFT SYSTEMS – REMOTELY PILOTED AIRCRAFT SYSTEMS
IMPLEMENTATION/REGULATION WEBINAR FOR THE APAC REGION*(Video Teleconference, 11 – 12 December 2024)*

PROGRAMME OUTLINE

1. INTRODUCTION

On May 9-10, 2023, the ICAO Asia and Pacific (APAC) Regional Sub-Office held the first Unmanned Aircraft Systems – Remotely Piloted Aircraft Systems (UAS/RPAS) Implementation/Regulation Webinar. The event gathered 127 experts from 21 States/Administrations, focusing on UAS regulations, tools, and training. Representatives from China, Hong Kong China, Japan, the Republic of Korea, and Singapore shared their experiences in unmanned aviation, while ICAO experts discussed global standards for safe RPAS operations.

The aviation sector is evolving with the introduction of RPAS. To manage this, ICAO introduced Annex 6, Part IV, which sets standards for RPAS operations, including the requirements for an RPAS Operator Certificate (ROC). These regulations, effective from July 2024 and applicable from November 2026, aim to enhance safety, environmental efficiency, and global standardization.

The APAC Regional Sub-Office will host the second UAS/RPAS webinar on December 11-12, 2024. Each three-hour session will address safety issues arising from drones, including countermeasures for unauthorized drone activity near airports and their use in flight inspections.

This webinar will tackle key challenges in integrating drones into the current aviation system, focusing on anti-drone technology and drone management for safe airport operations. It will also explore how drones can enhance the efficiency of flight inspections, providing vital insights into improving aviation safety.

ICAO will handle regulatory discussions, while States/Administrations and international organizations will cover practical drone usage and management. This will offer a complete view of aviation regulation and drone operations.

2. UPDATE BY ICAO

This session will cover updates on ICAO's latest developments in several key areas. Please note that the topics may change as needed:

- **ICAO Regulatory Framework (Annex 6, Part IV):** This will include a review of the new regulations, especially the requirements for obtaining an RPAS Operator Certificate.
- **Developments in BVLOS Operations:** There will be an update on the ICAO regulatory framework for Beyond Visual Line of Sight (BVLOS) operations, particularly for regulators.

- **Global Harmonization of Drone Regulations:** A discussion will focus on the core principles necessary for achieving global consistency in drone regulations.
- **ICAO's Latest UAS RPAS Activities:** Updates on the RPAS Panel and Advisory Group's activities will be provided to highlight ongoing work in these areas.

3. PRESENTATION BY STATES/ADMINISTRATIONS/ORGANIZATIONS

This session will bring together key stakeholders, including government regulators, air navigation service providers, academia, and operators, to exchange best practices, lessons learned, and challenges in the following areas:

- **National Regulation:** Presentations will cover national regulations related to UAS/RPAS, with a focus on the detection of and response to illegal drones.
- **Technology:** Updates will be provided on the latest advancements in drone detection and countermeasure technologies, particularly for ensuring aviation safety around airports, including their use in flight inspections.
- **Best Practices:** Stakeholders will share successful strategies for handling unlawful drone incidents and using UAS for aviation safety, particularly within the Asia-Pacific region.
- **Operational Experience and Benefits:** Practical insights from operational experiences will be discussed, highlighting the benefits of UAS integration.

Presenters are encouraged to focus on one of these aspects in their submission. If more than one aspect is to be addressed, separate presentations must be submitted for each. Additional topics beyond those listed will not be accepted at this time.

Presentation must:

- Preferably not exceed 20 minutes for each one of the topics;
- Be written and presented in English;
- Be provided to ICAO as a readable/writable MS-Word/PowerPoint document; and
- Be received by ICAO at apac-rso@icao.int with copies to hykwon@icao.int **not later than 4th December 2024**.

All presenters should be prepared for interaction with participants during the Q & A sessions.
