

Beyond the Pandemic: CANSO Operations and Safety Workshop

# AFI Remotely Piloted Aircraft Systems Survey

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# Introduction

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## **The CAN SO AFI RPAS survey is**

- Designed to solicit information from member States in the AFI region on RPAS regulations, operations and ANSPs' preparedness to integrate RPAS in non segregated airspace

## **Survey is based on**

- the ICAO model regulations
- Review of RPAS regulations of many States
- International best practices consistent with ICAO aviation framework

## **The purpose of this survey is to**

- Help the CAN SO AFI RPAS TF to determine the general challenges member States in the AFI region are facing
- To enable the TF to introduce relevant programs and initiatives that will benefit all member states

This survey requires detailed information from the CAA and ANSP of the participating State

A user may save and return to the survey platform several times before the final submission

The survey is strictly confidential. Your personal information will not be shared with any individual and/or organization.

This survey has three (3) parts

- **PART 1** - RPAS regulations
- **PART 2** - RPAS operations
- **PART 3** - ANSP preparedness to integrate RPAS in non-segregated airspace

1. Participant's Name: \_\_\_\_\_ State(s): \_\_\_\_\_

## **PART 1 - RPAS Regulations**

*Please tick the corresponding check boxes for your answers to the following questions:*

**2. Has your State published regulations or directives to guide RPAS operations?**

☐ Yes

☐ No

☐ Others (please specify): \_\_\_\_\_

**3. Has your State Classified RPAS?**

☐ Yes

☐ No

**4. If you answered yes to question 3, select the following as it applies to your state (select more than one if necessary)**

☐ RPAS is classified in terms of weight

☐ RPAS is classified in terms of capability

☐ RPAS is classified in terms of operations

☐ No RPAS Classification

☐ Others (please specify): \_\_\_\_\_

**5. RPAS operations in many States are guided by restrictions and special approvals. Select all restrictions that apply to RPAS operations in your State.**

No.	Restrictions	YES (provide details if necessary)	NO
1.	All RPAS commercial operators are required to register with the CAA	<input type="checkbox"/>	<input type="checkbox"/>
2.	All recreational RPAS operators are required to register with the CAA	<input type="checkbox"/>	<input type="checkbox"/>
3.	RPAS operators are required to have an SMS	<input type="checkbox"/>	<input type="checkbox"/>
4.	All RPAS vendors are required to register with the CAA	<input type="checkbox"/>	<input type="checkbox"/>
5.	RPAS pilots require license or certification to operate RPAS	<input type="checkbox"/>	<input type="checkbox"/>
6.	RPAS for commercial purposes require RPAS Operating Certificate (ROC)	<input type="checkbox"/>	<input type="checkbox"/>
7.	All RPAS operators are required to have public liability insurance	<input type="checkbox"/>	<input type="checkbox"/>
8.	Training organizations require RPAS Training Organization Certificate (RTOC)	<input type="checkbox"/>	<input type="checkbox"/>
9.	RPAS operations are restricted to very low level (VLL) airspace. If you answered yes, specify level(s)/height(s)	<input type="checkbox"/>	<input type="checkbox"/>
10.	RPAS are not allowed to operate close to or at aerodromes. If yes, Specify distance(s)	<input type="checkbox"/>	<input type="checkbox"/>
11.	RPAS are not allowed to operate at night without approval	<input type="checkbox"/>	<input type="checkbox"/>
12.	Importation or selling RPAS without approval is forbidden	<input type="checkbox"/>	<input type="checkbox"/>
13.	Design and manufacture of RPAS without approval is forbidden	<input type="checkbox"/>	<input type="checkbox"/>
14.	Maintenance of RPAS without approval is forbidden	<input type="checkbox"/>	<input type="checkbox"/>

**6. Does your State have any rule covering sustained RPAS flights over crowded areas and over moving vehicles?**

☐ Yes

☐ No

☐ Others (please specify) \_\_\_\_\_

**7. If you answered yes to question 6 above: What categories of RPAS are eligible to operate sustained flights over crowded areas and moving vehicles? (Please specify all categories) \_\_\_\_\_**

**8. Has your State implemented the concept of **Approved Aviation Organization (AAO)** for RPAS?**

☐ Yes

☐ No

**9. If you answered yes to question 8: please specify if the AAO is required to establish an internal safety management system?**

☐ Yes

☐ No



# RPAS Survey

**10. If you answered yes to question 8: please specify the tasks that the certified AAO is authorized to undertake**

No.	Privileges of an AAO	Yes (provide details if necessary)	No
1.	Inspection and approval of RPA	<input type="checkbox"/>	<input type="checkbox"/>
2.	Issue remote pilot licensing and certification	<input type="checkbox"/>	<input type="checkbox"/>
3.	Issue personnel certificates	<input type="checkbox"/>	<input type="checkbox"/>
4.	Authorize personnel to notify the aeronautical information service provider for the issuance of a NOTAM of RPAS operations	<input type="checkbox"/>	<input type="checkbox"/>
5.	Inspect and approve the construction of an RPAS	<input type="checkbox"/>	<input type="checkbox"/>
6.	Approve RPAS training organizations	<input type="checkbox"/>	<input type="checkbox"/>
7.	Approve RPAS pilot instructors	<input type="checkbox"/>	<input type="checkbox"/>
8.	Organize RPAS/Aviation Events	<input type="checkbox"/>	<input type="checkbox"/>

**11. How many RPAS operators in your State have registered with your CAA?**

■ \_\_\_\_\_

**12. How many RPAS pilots in your State have been certified by your CAA?**

■ \_\_\_\_\_

## PART 2 - RPAS Operations

**1. How do RPAS operators communicate with the ANSPs in your State (select all that are applicable)?**

- ☐ VHF communication
- ☐ Telephone communication
- ☐ Data communication
- ☐ Others, please specify \_\_\_\_\_

**2. Is there a requirement for RPAS surveillance in your State?**

- ☐ Yes
- ☐ No

**3. If you answered yes to question 2 above: please give further details \_\_\_\_\_**

## PART 3 - ANSP Preparedness to Integrate RPAS

**1. Has your State published a detailed VFR chart in your airspace?**

☐ Yes

☐ No

**2. Has your State published prohibited, danger, and restricted areas in your airspace?**

☐ Yes

☐ No

**3. Has your State published “no-fly zones” for RPAS?**

☐ Yes

☐ No

**4. If you answered yes to question 3 above, is there a way to manage “no-fly zones” in your airspace?**

☐ Yes, government agencies and security agencies can submit coordinates of “no-fly zones” to be published.

☐ No

☐ Others (please specify) \_\_\_\_\_

**5. Is your State planning to establish a UTM system to enhance RPAS integration in non-segregated airspace?**

- ☐ Yes
- ☐ No
- ☐ Others (please specify) \_\_\_\_\_

**6. If you answered yes to question 5: what does your State intend to achieve with the UTM system (select all that are applicable)?**

- ☐ UTM will enhance safety
- ☐ UTM will focus on RPAS identification
- ☐ UTM will enhance situational awareness
- ☐ UTM will help with strategic deconfliction and cooperation
- ☐ UTM will enable BVLOS
- ☐ UTM will enable advanced RPAS operations and integration in non-segregated airspace
- ☐ Others, please specify \_\_\_\_\_

**7. Please provide any other comments, particularly specific assistance needs for the integration of RPAS in non-segregated airspace in your State: \_\_\_\_\_**


# Delivery Mode

The survey can be accessed

- ONLINE
- BY HARDCOPY (Email)

# Recommendations

It is recommended that

1. The CANSO AFI OPS WG adopts this survey and encourage members States to participate
  2. This survey is repeated at regular intervals (preferably biennially) to capture changes as States enhance their RPAS integration strategies
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# QUESTIONS AND ANSWERS





# THANK YOU

