



| ICAO BANGKOK

UNITING AVIATION

WP15 Asia/Pacific Unmanned Aircraft Systems Update

SAIOACG/10 and SEACG/27
29 March – 02 April 2021

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Topics

- **APAC Regional Guidance**
- **ICAO UAS Toolkit and Webinars**
- **DRONE ENABLE 2021**





- **APANPIRG/27** – Bangkok, Thailand, September 2016

...the incorporation of a specific UAS Block 1 (ASBU) element within the Asia/Pacific Seamless ANS Plan (2019) to ensure a more harmonized approach across the Asia/Pacific Region.

- ***Decision APANPIRG/27/17: Asia/Pacific Unmanned Aircraft Systems Task Force (APUAS/TF)***

Formed to *inter alia* develop the Seamless ANS Plan element, and associated guidance.



RPAS Workshop – Bangkok, Thailand, 12 – 23 November 2016 ([link](#))

- Background, ICAO RPAS Framework, Case Studies.

APUAS/TF/1 – April 2017 ([link](#))

APUAS/TF/2 – March 2018 ([link](#))

APUAS/TF/3 – March 2019 ([link](#))

DRONE ENABLE/2 (global event) ([link](#))





APUAS/TF Outcomes

Background information and a **performance expectation** in the Asia/Pacific Seamless Air Navigation Services Plan Version 3 (2019)

Preferred Aerodrome/Airspace and Route Specifications (PARS) Phase II (expected implementation by 07 November 2019)

Unmanned Aircraft Systems

7.17 States should implement regulations supporting the integration of UAS operations in non-segregated airspace, using a risk-based approach and in accordance with the Asia/Pacific Regional Guidance for the Regulation of UAS, as a minimum.



ASIA/PACIFIC SEAMLESS ANS PLAN

Version 3.0, November 2019

This Plan was originally developed by the Asia/Pacific Seamless ATM Planning Group (APSAPG) and amended when appropriate by APANPIRG.

Approved by APANPIRG/30 and published by the ICAO Asia and Pacific Office, Bangkok



APUAS/TF Outcomes

Asia/Pacific Regional Guidance for the Regulation and Safe Operation of UAS in National Airspace (Version 1.0 August 2019)

[ICAO Asia/Pacific eDocuments web page](#)



**ASIA/PACIFIC REGIONAL GUIDANCE FOR THE REGULATION AND SAFE
OPERATION OF UNMANNED AIRCRAFT SYSTEMS WITHIN NATIONAL
AIRSPACE**

Version 1.0, August 2019

This Plan was developed by the Asia/Pacific Unmanned Aircraft Systems
Task Force (APUAS/TF)

Approved by ATM/SG/7 and published by the
ICAO Asia and Pacific Office, Bangkok



Conclusion ATM/SG/7-9: Regional Guidance for the Regulation and Safe Operation of UAS within National Airspace

*That, the Asia/Pacific Regional Guidance for the Regulation and Safe Operation of UAS within National Airspace **at Appendix H to the Report** be adopted, and uploaded to the ICAO Asia/Pacific Regional Office eDocuments web-page.*



Asia/Pacific Guidance for Regulation of UAS

CONTENTS

LIST OF APPENDICES ii

SCOPE OF THE DOCUMENT 1

OBJECTIVES 3

EXECUTIVE SUMMARY 4

ABBREVIATIONS, ACRONYMS AND DEFINITIONS 5

BACKGROUND INFORMATION 6

PRINCIPLES FOR THE REGULATION OF UNMANNED AIRCRAFT OPERATIONS IN NATIONAL AIRSPACE 13

REGULATORY GUIDANCE FOR THE SAFE OPERATION OF UAS IN NATIONAL AIRSPACE SYSTEMS 15

General Regulatory Guidance 15

Registration and Identification 26

Categories of Unmanned Aircraft Operations 27

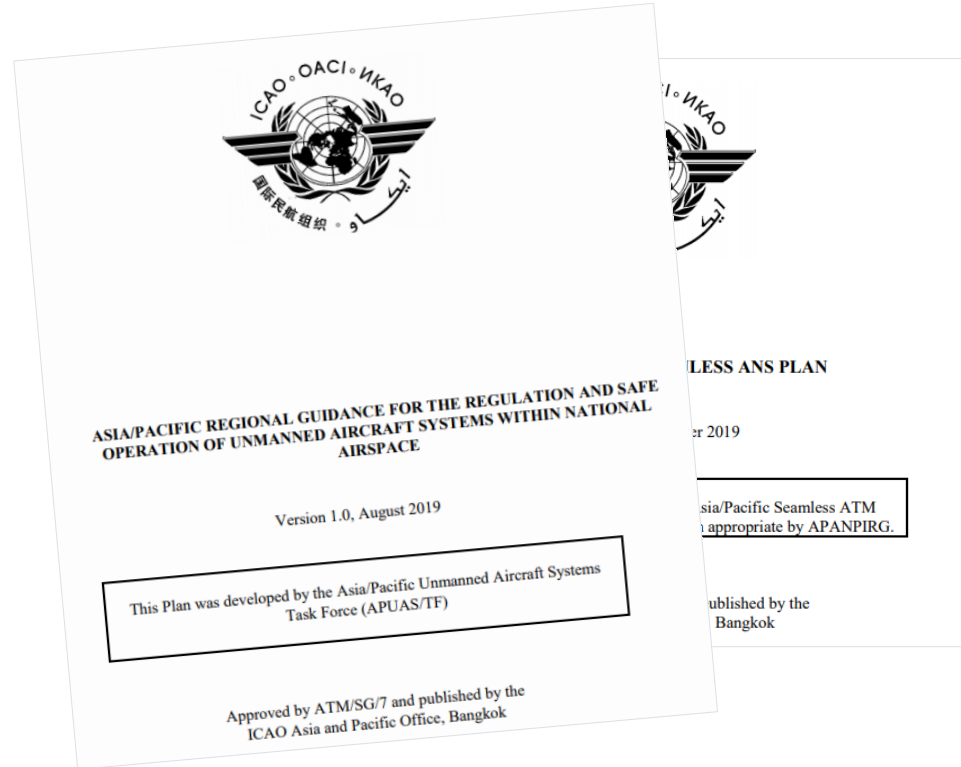
UAS Operations in Category A 27

UAS Operations in Category B 28

UAS Operations in Category C 29

Responsibilities of Approved Persons or Organizations 32

Contingency Procedures 32





Asia/Pacific Guidance for Regulation of UAS

CONTENTS

LIST OF APPENDICES ii

SCOPE OF THE DOCUMENT 1

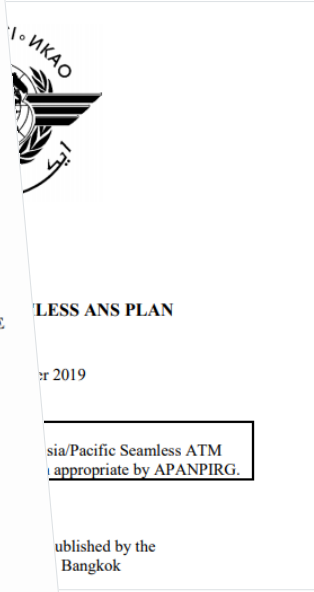
OBJECTIVES 3

EXECUTIVE SUMMARY 4

ABBREVIATIONS, ACRONYMS AND DEFINITIONS 5

BACKGROUND INFORMATION 6

PRINCIPLES FOR THE REGULATION OF UNMANNED AIRCRAFT OPERATIONS IN NATIONAL AIRSPACE.....



Asia/Pacific Guidance for Regulation of UAS

LIST OF APPENDICES

Appendix A: Example Process for Authorization or Exclusion of UAS - India A-1

Appendix B: Example Process for Authorization or Exclusion of UAS - USA B-1

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REGULATORY GUIDANCE SYSTEMS

General Regulatory Guidance

Registration and Identification

Categories of Unmanned Aircraft

UAS Operations in Category A

UAS Operations in Category B

UAS Operations in Category C

Responsibilities of Approved Operators

Contingency Procedures.....

LESS ANS PLAN

er 2019

Asia/Pacific Seamless ATM appropriate by APANPIRG.

ublished by the Bangkok



The ICAO UAS Toolkit



ICAO UAS Model Regulations

ICAO COVID-19 Series Webinars (recorded)



Click on each image to find out more....



DRONE ENABLE **2021** ([link](#))

- Delayed from 2020 due to COVID-19 pandemic
- Rio De Janeiro, Brazil, 13 – 15 and 20 to 21 April 2021
- Theme: ***Addressing tomorrow's challenges today***
- Request for Information (RFI) deadline **25 September 2020**





UAS & ICAO AVSEC

- ICAO EB 2020/38 (22 July 2020) disseminated stand-alone AVSEC guidance material regarding protection of civil aviation infrastructure against unmanned aircraft (to be incorporated into new 12th Edition of ICAO Security Manual, Doc 8973 – under final review).



UAS & ICAO AVSEC

- ICAO maintains internal coordination between ATB (AVSEC) and ANB on anything UAS/RPAS related, including AVSEC participation in the WG to the RPAS Panel, as well as with other relevant UN security entities and INTERPOL.



UAS & ICAO AVSEC

- The ICAO AVSEC Panel evaluates the global AVSEC Risk Context develops relevant guidance material, maintains directory of instances of Acts of Unlawful Interference and determines the need for SARPs - including in relation to UAS and RPAS.



3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) utilize the APAC Regional Guidance for the Regulation and Safe Operation of UAS within National Airspace;
- c) note the information and guidance available through the ICAO UAS Toolkit;
- d) consider participation in the DRONE ENABLE 2021 Symposium; and
- e) discuss any relevant matters as appropriate.



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THANK YOU