

UNMANNED AVIATION 2022

RPAS 2022

ICAO Updates and Activities

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| ICAO

SAFETY

Since RPAS Symposium 2018...

- Numerous updates and developments
- New SARPs
- New guidance
- New working groups



Annex 6, Part IV

- Describes operational requirements for RPAS and RPAS operators
- Focused mainly on international, IFR operations
- Currently available to States for comment
- Expected to be adopted in 2024



Airworthiness

- Annex 8, Amendment 109
- SARPs for RPA and RPS adopted
- SARPs for Safety Management in process
- Airworthiness Manual (ICAO Doc 9760)



C2 Link SARPs

- Annex 10, Volume VI, Part I & II
- Requirements for the communication link between the RPA and the RPS
- Draft SARPs in-progress
- Working on technical aspects of C2 Link



Detect & Avoid SARPs

- Annex 10, Volume IV, Part II – Detect and Avoid (DAA) SARPs
- Close coordination with Surveillance Panel and standards bodies (SDO)
- DAA Manual in-progress



RPAS Manual

- RPAS Manual, Doc 10019
- Revising, updating, expanding to provide implementation guidance the Manual



ATM Integration

- Joint task force between RPASP and Air Traffic Management Operations Panel
- Integrating RPAS into the ATM system
- Incorporate lost C2 Link procedures
- Incorporate DAA procedures
- Proposals to PANS-ATM, ICAO Doc 4444



Safety Management

- RPASP/SMP Joint Task Force
- Ensures that safety management principles are implemented in all aspects of RPAS properly
- Provides coordination and cooperation on Annex 19 SARPs and SMM



Interceptions Task Force (TF)

- Interceptions Task Force (TF)
- Reviewing interception Standards for unique characteristics of RPAS



Aerodromes

- RPASP/ADOP JTF
- Integrating RPAS in the aerodrome environment
- CONOPS for the integration of RPAS at aerodromes



Accident Investigation/Search and Rescue

- Other groups are looking at the use of RPA and how it affects their annexes
- Annex 12- Search and Rescue
- Annex 13- Accident Investigation



GAT/TCB

Virtual/In-person classroom course:

- Unmanned Aviation Fundamentals (5 days)

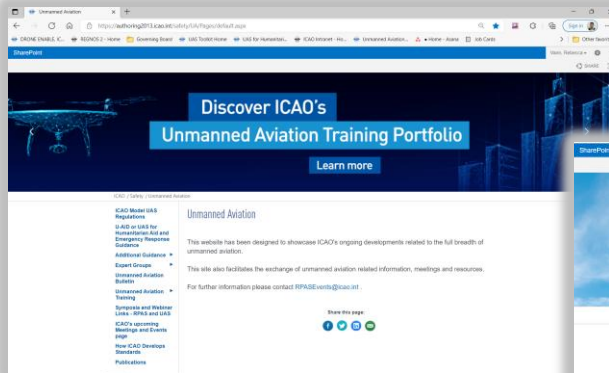
Online courses:

- Overview of Unmanned Aviation Fundamentals
- Unmanned Aircraft Systems Operations
- Unmanned Aircraft Systems Regulations
- Unmanned Aircraft Systems Safety Management System

iPack:

- Establishing a Regulatory Framework for Unmanned Aircraft Systems

Create and maintain/update content of UAS public websites



- Unmanned Aviation
- Model regulations
- U-AID
- UAS Toolkit
- RPASP
- RPASTF-I
- RPASP/SMP JTF
- UAS-AG
- ...

<https://www.icao.int/safety/UA>



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UNMANNED AVIATION 2022

DRONE ENABLE 2022

14-16 November





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THANK YOU