ICAO RPAS PROGRAMME Update

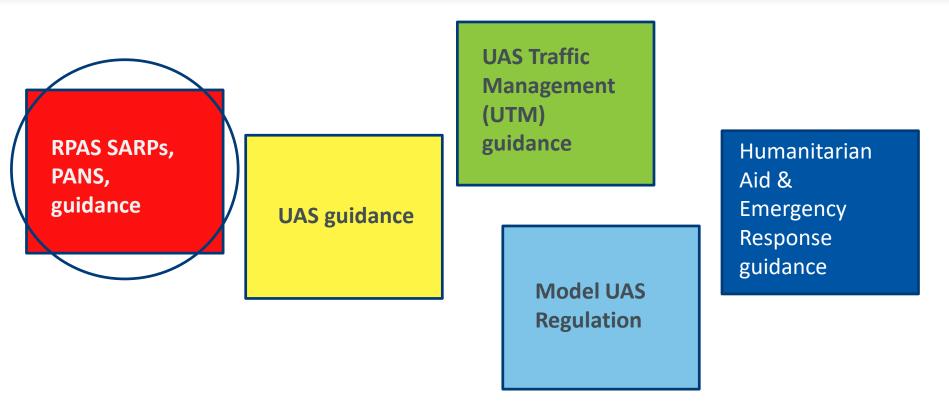
Leslie Cary

Chief, RPAS











RPAS - FULL Regulatory Approach

- International IFR operations
- Requirements to initiate international operations:
 - Certificates
 - Remote pilot licence
 - Registration
 - Airworthiness
 - RPAS Operator



nternational Civil Aviation Organization Organisation de l'aviation civile internationale Organización de Aviación Civil Internacional Международная организация гражданской авиации







RPAS Workstream

RPAS Panel

 Developing the regulatory framework for RPAS to conduct <u>IFR operations</u> in controlled nonsegregated airspace/aerodromes

Other ANC Panels supporting on technical matters





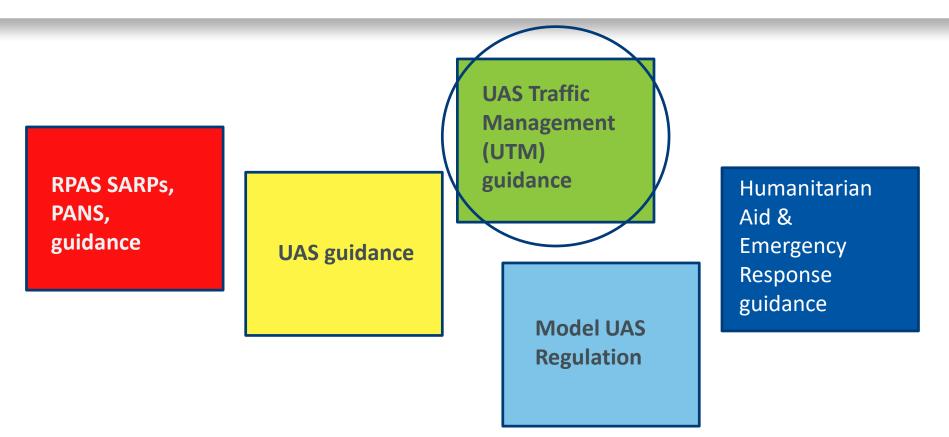


RPAS: Other work within ICAO

- Legal Committee
- Committee on Aviation Environmental Protection (CAEP)
- Aviation Security Panel (AVSECP)



ICAO SAFETY Multiple Streams of Work





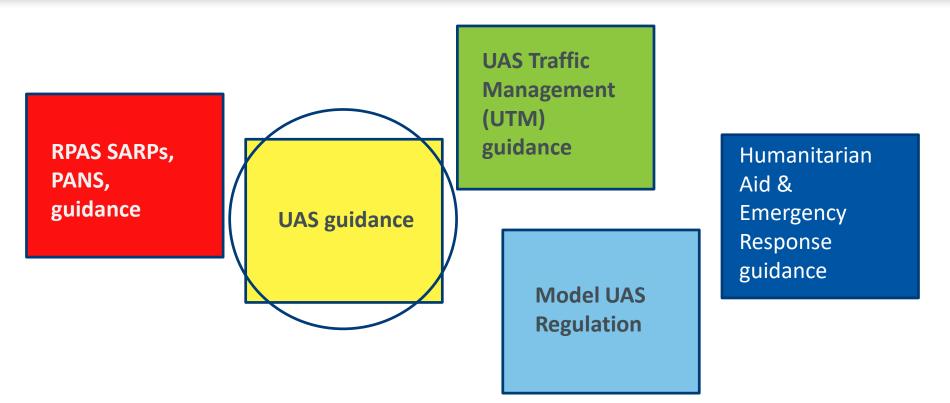
UAS Traffic Management

• Expanding through DRONE ENABLE

- Framework for UTM
- Registration, ID, tracking systems
- Communications systems
- Geo-fencing like systems
- UTM-ATM Interface
- Very high altitude operations
- Aircraft registry network
- UTM Service Suppliers
- Deconfliction and Separation Management
- Risk Assessment and Contingency Operations









Other UAS

• Toolkit developed by the UAS Advisory Group

- General guidance for national regulations
- Best practices and lessons learned from many States
- Practical examples

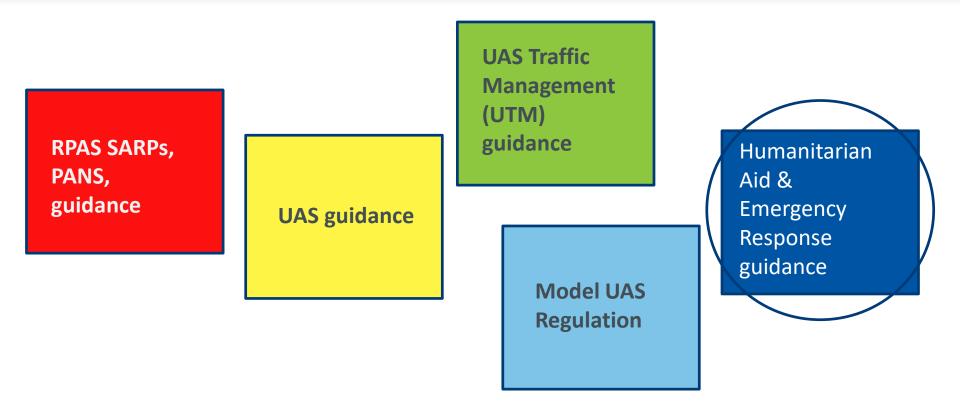
ICAO.int/safety/UA/UASToolkit





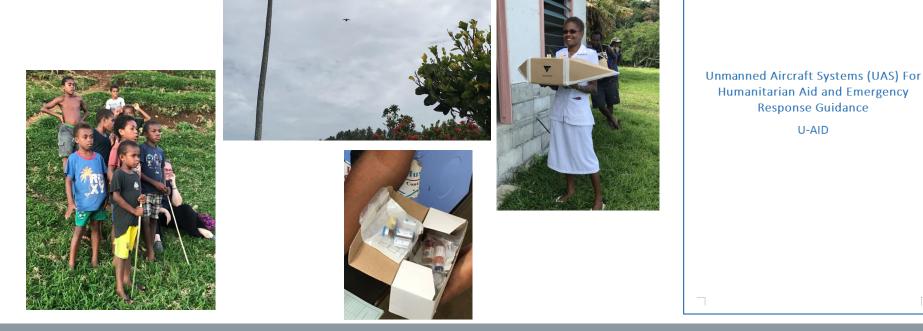


Multiple Streams of Work



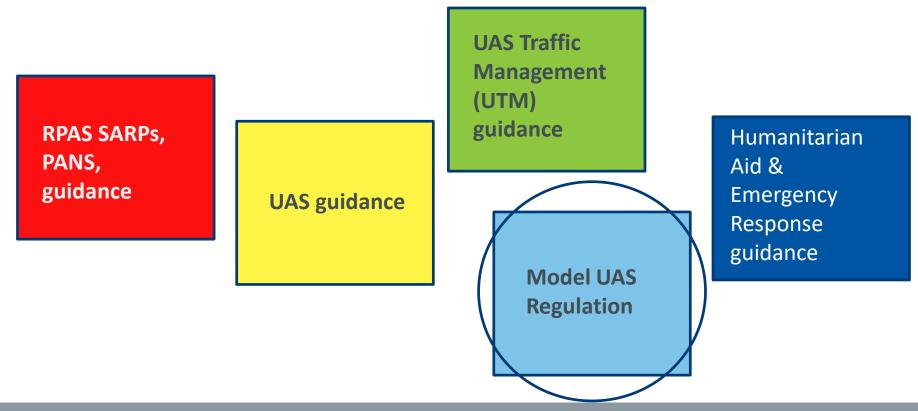


Humanitarian Aid and Emergency Response





Multiple Streams of Work





Model UAS Regulations



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*)	Has the organization been convicted for any transport safety offence in the last five years or is the organization presently facing charges for a transport safety offence?									
b)	Has the organization previously had an application for an aviation document rejected or has an aviation document held by the organization been suspended or revoked.									
	" If answering "Yes", please provide details on separate sheets.									
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204	r Privileges (149.5(3)):									
Brief Summary of Scope of Work to be carried out										
Provide references to the Organizations Submission (Ref CAR Part 149.35(a)(5)):										
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www.icao.int/Safety/UA



Protection from UAS

- Education
- Preventing / disrupting UAS
 - Use of technology
- Contingency procedures





Outreach activities

- Workshops
- Courses



Fundamentals of Unmanned Aviation course

Covering the breadth of unmanned aviation implications for the Civil Aviation Authority (CAA)

- UAS / RPAS types, configurations, operations
- Legal implications
- Need for regulations
- Organizational structure
- Oversight responsibilities
- Online module followed by 5-day classroom course
- Targeting delivery 2nd Qtr 2020



Humanitarian Aid & Emergency Response workshop

- Streamline special authorization process for urgent operations
- Consistent with national regulations
 - Model UAS regulations
- Targeting 2nd Qtr 2020



Outreach activities

- Workshops
- Courses
- Partners and Sponsors needed



Questions / Comments:

RPAS@ICAO.INT





