ICAO and Remotely Piloted Aircraft Systems (RPAS)

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RPAS and Remote ATS Symposium
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Unmanned Aviation

• **A historical perspective**
  – Unmanned aviation has been around for quite some time now

• **Sudden and dramatic growth**
  – Challenged regulators and airspace users alike

• **Not all are equal**
  – Diversity in size, capability and use
  – Categorize UAS and establish pertinent framework for each
Two Approaches – Two Streams of Work

RPAS
Full regulatory approach

Other UAS
‘Tool Kit’ to enable domestic operations

Network/Delivery Drones

PENDING
**RPAS: Safety and Efficiency**

- **RPAS Panel**
  - Developing the regulatory framework for RPAS to conduct IFR operations in controlled non-segregated airspace/aerodromes
  - Alongside manned aircraft, as a predictable, cooperative airspace user:
    - With fundamentals of airworthiness, operations and licensing as pre-requisites to airspace integration
    - Meets all the standard equipment and capability requirements for the airspace/procedures
    - Must ‘fit in’ without requiring other airspace users or providers to equip

- **Other ANB Panels supporting on technical matters**

**RPAS and Remote ATS Symposium**
RPAS: Other work within ICAO

- Legal Committee
- Committee on Aviation Environmental Protection (CAEP)
- Aviation Security Panel (AVSEC)
Other UAS

- **Tool kit being developed by the UAS Advisory Group**
  - General guidance for national regulations
  - Best practices and lessons learned from many States
  - Practical examples

- **Awareness campaign through partnerships**
Awareness Campaign:

6 Basic Tips For UNMANNED AIRCRAFT SYSTEMS (UAS)

1. KNOW THE RULES
2. FLY IN DAYLIGHT & IN GOOD WEATHER
3. ALWAYS KEEP IN SIGHT
4. AVOID AREAS WITH PEOPLE
5. ALTITUDE OF 120 METERS
6. FLY FAR FROM OTHER AIRCRAFT
SELECT YOUR STATE
Use the following dropdown menu to see if your country’s UAS operation regulations are available for review:

Select Your State

SAFETY
Always follow ICAO’s six basic tips for safe UAS operations:

Know The Rules
Fly In Daylight and In Good Weather
Always Keep In Sight
Avoid Areas With People
Fly Below 120 Meters (400 feet)
Stay Clear Of Other Aircraft and At Least 5.5km (3.4 miles) From Airports

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Watch Our Video
Education is Essential

• **Information on RPAS and other UAS**
  – Regulators - what and how to regulate
  – Industry, including manufacturers
  – Service providers
  – Operators and other airspace users
  – General public

• **General information is needed for each group**
  – Targeted information on how to operate safely
  – Where/why other areas are dangerous
ICAO Vision

• Understand and respect the past

• Carefully leave the door open for future generations