



ICAO

UNITING AVIATION

RPAS



ICAO and Remotely Piloted Aircraft Systems (RPAS)

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Unmanned Aviation

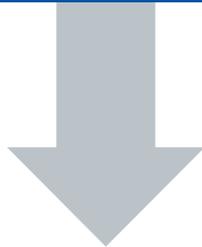
- **A historical perspective**
 - Unmanned aviation has been around for quite some time now
- **Sudden and dramatic growth**
 - Challenged regulators and airspace users alike
- **Not all are equal**
 - Diversity in size, capability and use
 - Categorize UAS and establish pertinent framework for each



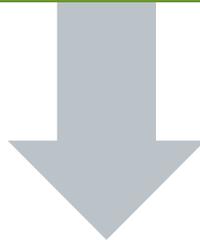
Kettering Bug (1918)

Two Approaches – Two Streams of Work

RPAS
Full regulatory approach



Other UAS
'Tool Kit' to enable domestic operations



PENDING
Network/
Delivery Drones



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: 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



ICAO > Safety > RPAS - Remotely Piloted Aircraft Systems > UAS Regulation Portal

UAS Regulation Portal



SELECT YOUR STATE

Use the following dropdown menu to see if your country's UAS operation regulations are available for review:

Select Your State

UAS OPERATION DISCOVER MORE

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nullam euismod dolor metus, non varius purus faucibus eu.

Watch Our Video



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



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**



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[NACC] Office
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Lima

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Central African
[WACAF] Office
Dakar

European and
North Atlantic
[EUR/NAT] Office
Paris

Middle East
[MID] Office
Cairo

Eastern and
Southern African
[ESAF] Office
Nairobi

Asia and Pacific
[APAC] Sub-office
Beijing

Asia and Pacific
[APAC] Office
Bangkok



THANK YOU