

UNMANNED AVIATION 2022

DRONE ENABLE 2022

ICAO-Developed
Material to Support Safe
UAS Operations

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I want to operate UAS

An air operator ABC has requested a meeting to discuss adding unmanned aircraft to their agricultural operator certificate. Their current operation involves certificated manned aircraft. To follow are some technical details of the operation:

1. Agricultural operation

- Main base location:
 - **Uncontrolled airport:** users are primarily recreational/private owners. There are three flight schools, and a commercial helicopter operator on the airport.





2. Surroundings:

- The airport is located adjacent to a major highway.
- The immediate surrounding of the airport are farmlands and open fields.
- The nearest populated town is located 7 km to the east.
- A nature reserve is located 7 km to the southeast of the airport that is habitat to an endangered bird species.





3. Equipment: (2) XYZ T30



DRONE SPECIFICATIONS

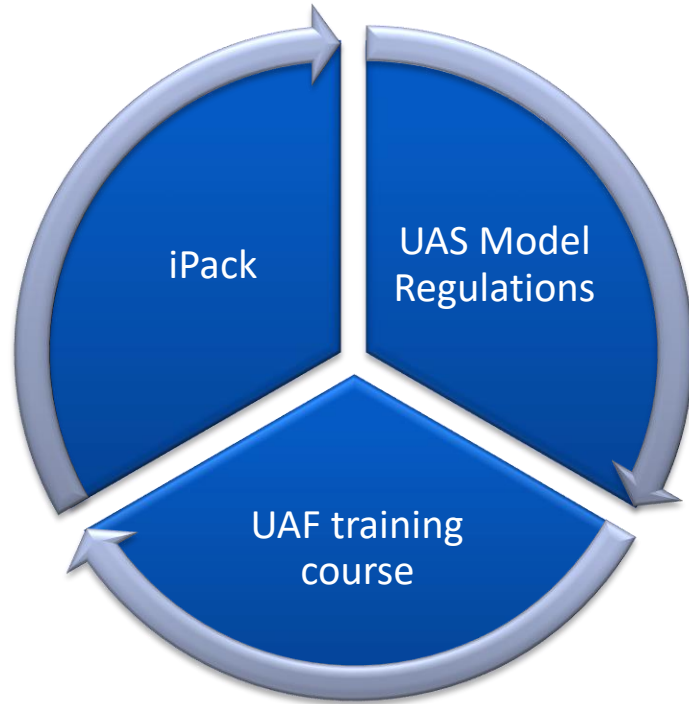
Battery Capacity (Transmitter/Controller):	18650 Li-ion (5000 mAh @ 7.2 V)
Battery Capacity:	18000 mAh / 51.8 V
Max. Operating Distance (Transmitter/Controller):	SRRC/MIC/KCC/CE: 3 km NCC/FCC: 5km (Operation height: 2.5 m)
Maximum Hover Time:	15 min (takeoff weight of 27.5 kg with a 18000 mAh battery) 10 min (takeoff weight of 42.6 kg with a 18000 mAh battery)
Weight:	Total Weight (Excluding battery): 21.1 kg / 46.52 lbs
Storage:	Internal Storage: 32 GB + up 128 GB microSD

PHYSICAL SPECIFICATIONS

Dimensions:	2509×2213×732 mm (Arms and propellers unfolded) 1795×1510×732 mm (Arms unfolded and propellers folded) 1100×570×732 mm (Arms and propellers folded)
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- How do we **authorize** UAS operations: is there an **ICAO template** for UAS regulations?
- How can we **train** our CAA staff to regulate and oversee these UAS operations?
- Are there tools which can help us **implement** UAS regulations?



- Ms. JC Shine
- Ms. Tracy Lamb
- Ms. Anne Grimal