

CORA, PYKA, FLIRTEY, SORA

A Civil Aviation Authority of New Zealand overview.

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AN OVERVIEW



Part 101

Can fly commercial operations – comply with 101
Recreation

280,000 Kiwis involved (8%) 18 to 36 yrs and 40 to 60 yrs



Part 102 - Unmanned Aircraft Operator Certificate

- 130 issued, 106 current (+ 35 in application/recert stage)
- 4 full-time CAA personnel



Part 102

- Film, Survey, Real Estate, Agricultural, SAR, Infrastructure, Special Projects

In 2017 there were approximately 77,600 drones in New Zealand.

200,000 drones were used by foreign tourists in New Zealand in the past year- 4 million tourists

Estimates from the FAA indicate that use of hobby drones in the USA would grow threefold between 2016 and 2021, while commercial drone use would increase by a factor of 10 in the same time.

New Zealand may undergo comparable levels of growth.



NZ INC.

NZ aviation system - approx. NZ\$7B

Key Areas for CAA UA:

- Agriculture – **Pyka**
- UAM – **Cora**
- Freight and delivery - **Flirtey**
- Emergency Services
- UTM
- SORA



Pyka



Cora




Flirtey

CHALLENGES

- Airspace users – recreation, tourist, non-cooperatives
 - Aerodromes/Heliports/ Landing areas
 - EVLOS, BVLOS, DandA
 - People and Property
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Trends

- Bigger, faster, higher?
 - Where will they be next?
 - Precision ag machines
 - BVLOS Autonomous
 - Passengers
 - Other airspace users – Sport, Ag, Helo
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Queen Bee 1935