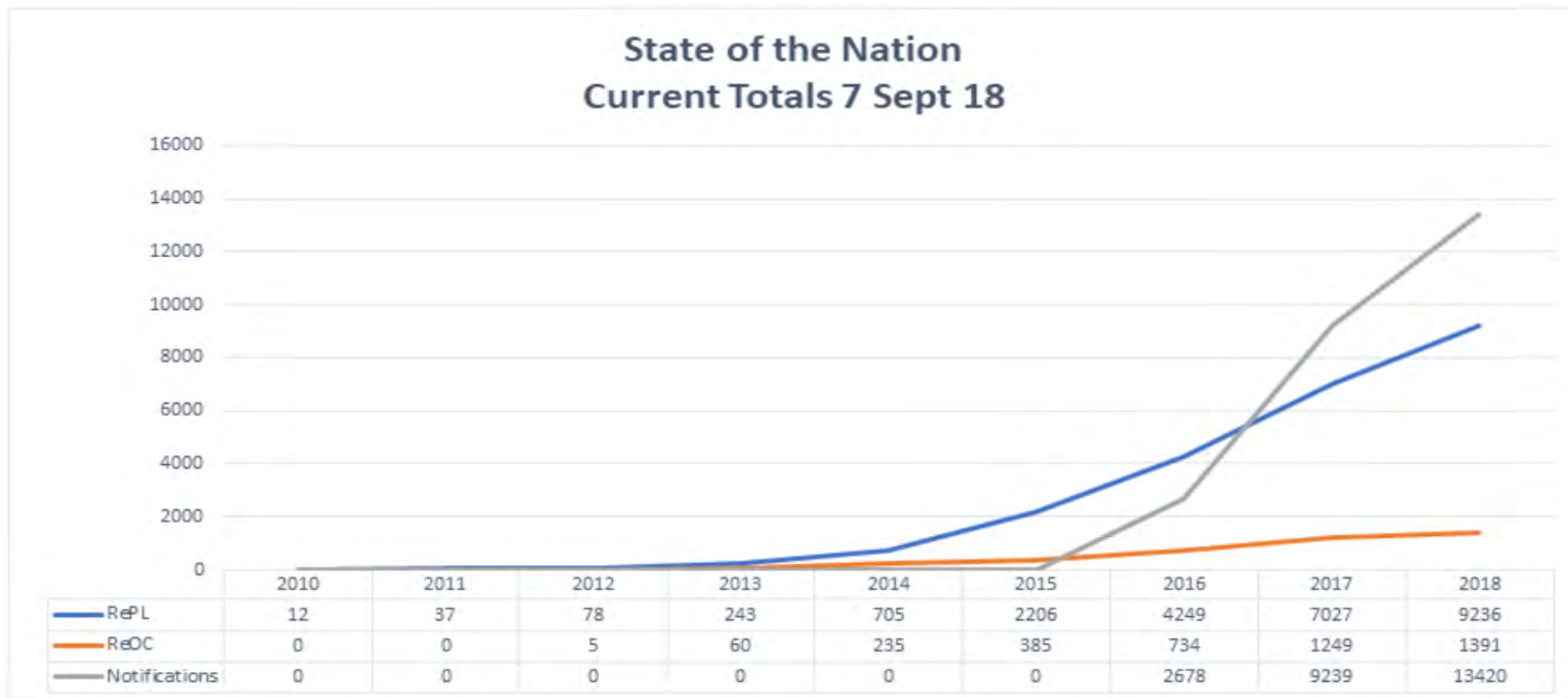# Rapid expansion and growth - Australian RPAS

Scott Duffy – CASA manager RPAS operations

September 2018

State of the Nation

- Dominant drone uses
  - present (commercial and sport/model)
  - projected
- Regulator/Air Navigation Service Provider resources
- Overview of legislative framework
- Overview of operator authorisation(s)

State of the RPAS Nation - Australia

State of the Nation
Current Totals 7 Sept 18

	2010	2011	2012	2013	2014	2015	2016	2017	2018
RePL	12	37	78	243	705	2206	4249	7027	9236
ReOC	0	0	5	60	235	385	734	1249	1391
Notifications	0	0	0	0	0	0	2678	9239	13420

Remotely Piloted Aircraft Systems Branch

- The team...now 23 staff
  - » Operations
  - » Policy and Standards
  - » Technology and the Future

RPAS Branch - Functions

- Policy
- Regulatory development
- Regulatory services (assessment)
- Surveillance
- Enforcement
-

- Complaint triage & investigation
- Operator, NAA/ICAO, industry associations & manufacturer engagement
- RPAS education & awareness (operator and public)

RPAS Operations

- Sport & recreation
- Commercial ops
- Regulatory Services
  - » ReOC
  - » excluded categories
  - » flight authorisations
- Risk based approach to surveillance

Excluded category - non-complex commercial operations

Amendments to CASR Part 101 commenced 29 September 2016

Direct savings to affected individual businesses as a result of the amended regulations are estimated to be in excess of $5,000

Since implementation of RPAS notifications system in September 2016 to date CASA ~13,000 notifications
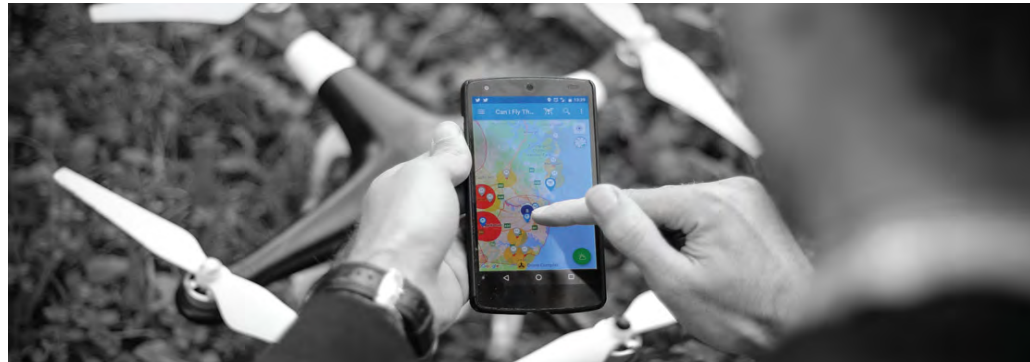
Excluded RPA

Two concepts:

1. Focus' on Commercial <2kg over public/private land

2. Landholders can use RPA up to 150kg (while holding an RePL) otherwise <25kg

- Both must follow Standard Operating Conditions

- Both (remote pilot and business) must notify CASA before initial comment of commercial operations

- Not a de-regulated sector

Safety Education

- Regulations
- CASA direction 96/17
- App - Can I fly there
- CASA website
- Droneflyer website

droneflyer

- Web related information
- Pamphlets
- Quick reference guides
- Facebook
- You Tube
- On-line tutorials

Tomorrow's World...shaping the future

- Sector risk profiles (happening right now)

- RPAS Roadmap

  o Next gen regulations

  o Integration with air traffic management systems (accommodated and segregated)

  o Building partnerships with industry and association (ICAO and JARUS)

  o Primary focus of Roadmap is integration of drones into the NAS

- Senate review and CASA's Drone Safety review

Thank you for your time