RPAS Policy and Regulation

- Regulatory challenges and developments
  - » Dealing with challenges in the present
  - » Dealing with future challenges
- Drone discussion paper consultation

Ongoing amendments to Part 101

- Regulation originally made in 2002

- Some assumptions made then may not be effective now

Tomorrow's World…we're learning

- Sector risk profiles (happening right now)

- RPAS Roadmap – shaping the future

  - 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 UAS into the NAS

- RRAT and CASA's Drone Safety review

Discussion paper – review of RPAS

DISCUSSION PAPER
Review of RPAS operations

- Opened 11 Aug 2017

- Closes 29 Sep 2017

- 910 responses

- should RPA be registered?

- mandate geo-fencing?

- counter-drone technologies

- training and proficiency

Part 101 Manual of Standards (legislative)

- Standard requirements for operating
  - » BVLOS
  - » Night
  - » 3nm of airport
- Training syllabi
- Operator
  - » Record keeping
  - » Notifications -> CASA

Challenges ahead...breaking barriers

- Design and build certifications
- 21st century regulations
- Whole of government approach
- Communication protocols
- Airspace integration
- Collision avoidance
- Control systems
- Autonomy v automation
- Registration
- Geo-fencing
- Human factors
- Counter-drone technology

Outcome v prescription regulations

- Know the client

- Fit-for-purpose regulations (one size doesn't fit all)

- Non-traditional approach

  - Focus on safety (allowing for a risk based approach)

- Set a pathway – the roadmap

Thank you for your time