Submission 112 – Confidential

Hi, I understand that the increase of drone usage provides an increased risk for standard aircraft as well as privacy related. While RID provides a solution to this, it comes with many issues.

- The main issue involves the privacy and safety of the operator. With both forms of RID, the GPS location of the pilot and the aircraft are available to any member of the public with the proper software installed on their device. This provides a major breach in safety as any citizen who deems a drone to be too disturbing the ability to hunt down and harass the operator even it they are operating within the proper rules set out by CASA. The second issue with this is that operators that are operating in BVLOS and EVLOS are venerable as even with a spotter, groups of citizens can hunt down the operator and potentially assault the operator and steal the expensive gear that drone pilots use.

- The second issue also falls under the privacy issues. RID modules produce and transmit far too much data required to keep a safe and secure airspace. Safety can easily be ensured by confirming that a pilot is not operating within restricted airspace. That is only two data points that a RID module would need to transmit to authorities, the drone's GPS position and the serial number attached to that drone. Any data beyond this is unnecessary and provides more data for malicious programmers to exploit..

- The third issue with RID is the expense that RID modules take to purchase. Most if not all RID modules on the market currently cost upwards of $200, which is out of reach for most hobbyists just looking to fly a small cheap drone for recreational purposes. If RID was to be implemented, it is vital for a cheaper module to be developed in order to support widespread adoption of the technology.

My final point on RID is that it should only be required for drones above 1Kg. Any drone under this weight provide no safety risks for conventional aircraft. Drones above this weight do provide substantial safety concerns and thus I agree that RID modules should be installed on aircraft above 1Kg. Under that weight is not necessary and thus provides and exploitable amount of data that provide significant safety and privacy concerns..

Thanks for any consideration my comments provide.