UAV Transponder & ADS-B Out solutions

Product - weight	Formal TSO ** (C145e, 166b)	CASA EC approval	High TX power 250W	GPS included	Mode S	ADS-B OUT	Baro sensor	Power supply	Matches IFR requirement for Controlled airspace	Comment	Meets performance
Ping200X 50g	✓		✓		✓	✓	✓	11-34V 1.5W cont 4W peak	✓	Transponder separate GPS with ADS-B OUT	• TSO-C166b Class B1S (DO-260B) • TSO-C112e Class 1 Level 1 ELS • TSO-C88b • DO-160g environmental Cat B2
Ping 200SR 76g			✓	✓	✓	✓	✓	11-34V 2W cont 1W stby		Transponder with GPS with ADS-B OUT SDA/SIL=1/1 Visible on radar. Low power is range limited Future ADS-B visibility to Airservices for situational awareness	
Ping20si 20g				✓	✓	✓	✓	11-28V 1 W cont 0.5W stby			
1090i 26g		✓		✓		✓	✓	6-14V 0.5W cont		ADS-B OUT only Visible to ADS-B IN Future ADS-B visibility to Airservices for situational awareness	• TSO-C166b Class B1S (DO-260B) • SDA/SIL=1/1

* Pending

UAV ADS-B IN solutions – Range > 250Km

Product - weight	MTL	MavLINK 57600	UCP (*1) 115200 (UCP).	JSON UDP or Compressed VRS	Metal case	Ping App (Windows)	Weight (g)
Ping Rx Pro 8g	-84dBm	✔	✔		✔		8
Ping Rx 5g	-84dBm	✔					5
Ping USB 5g	-84dBm	✔				✔	5
Ping Station 2 (Ground Station)	-88dBm			✔		IRIS UAS or VRS (Virtual radar server) or Custom	POE UDP packet output

*1 : uAvionix Control Protocol

UAV GPS solutions

	Formal * TSO145e	Formal TSO199	SBAS	FDE	Weight (g)	Interface	SIL/SDA	
TruFYX	✔	✔	✔	✔	20	NMEA 0183 + RAIM or MAVLink	3/2	Standalone product
FYX Nav		✔	✔	✔			1/1	Embedded product only

* Pending

GA Aviation solutions

Product	Formal TSO ** (C145e, 166b)	CASA EC approval	High TX power 250W	GPS included	Mode S	ADS-B OUT	Baro sensor	Matches IFR requirement for Controlled airspace	Comment
Skyecho2		✓		✓		✓	✓	Situational awareness only	Provides ADS-B IN/OUT Portable, rechargeable battery
TailbeaconX	✓		✓	✓	✓	✓	In control head	✓	Transponder with GPS with ADS-B OUT SDA/SIL=3 Includes tail light. Operates with Space based ADS-B

* Pending