



International Civil Aviation Organization

**FIFTH MEETING OF THE SOUTHEAST ASIA
SUB-REGIONAL ADS-B IMPLEMENTATION
WORKING GROUP (SEA ADS-B WG/5)**



Jakarta, Indonesia, 21 – 22 January 2010

Agenda Item 5: Review of sub-regional implementation plan

- Harmonization of ADS-B regulations, rules and procedures

APPROVED AIRCRAFT AND AVIONICS

(Presented by Airservices Australia)

SUMMARY

The purpose of this IP is to inform SEA ADS-B WG/5 of the aircraft types and avionics equipment approved for operational use in Australia.

1 ATC only used data from Approved Aircraft

1.1 Before ATC use ADS-B data in Australia, approval must be obtained for each airframe from the safety regulator (CASA). This process is being used to ensure that equipment which does not meet the performance requirements is not inadvertently used during the transition to ADS-B technology.

1.2 Australia hopes to remove the aircraft by aircraft approval process in the future.

2 Approved aircraft

In mid January 2010 there are 1110 approved airframes of the following types :

Aircraft type	Number approved
AIRBUS A320	61
AIRBUS A321	4
AIRBUS A330	163
AIRBUS A340	63
AIRBUS A380	26
BELL 206L	1
De Havilland DHC-8	2
Jabiru	1
Kawasaki BK11	1
BOEING B737	62
BOEING B747	273
BOEING B777	337
PIPER 200T	1
PILATUS PC-12	6
Beechcraft B200	10
Beechcraft B350	3
McDonnell Douglas MD-11	96
	1110

3 Avionics

3.1 The ADS-B avionics comprises a GPS position source and an ADS-B transmitter.

3.2 The following combinations of equipment are currently approved. Other types are in the process of being approved. Others would qualify for approval but have not been submitted for approval.

ADS-B Transmitter	GPS Source	Number of approved aircraft	Comment
ACSS XS-950 ##	Rockwell GLU-920	287	
ACSS XS-950 ##	Rockwell GLU-925	8	SA aware GPS
ACSS XS-950 ##	Honeywell GR-550	49	
ACSS XS-950 ##	Honeywell RMA-55B	24	
Honeywell TRA-67A	Rockwell GLU-920	148	
Honeywell ISP-80A	Rockwell GLU-925	26	SA aware GPS
Honeywell TRA-67A	Rockwell GLU-925	34	SA aware GPS
Honeywell TRA-67A	Honeywell GR-550	61	
Honeywell TRA-67A	Honeywell GR-551	1	
Honeywell KT-73	Honeywell KLN900 **	4	
Honeywell KT-73	Honeywell KLN94 **	9	
Honeywell KT-73	Honeywell KMH 820**	5	
Honeywell TRA-67A	Litton LTN2001Mk	41	
Honeywell TRA-67A	Honeywell RMA-55B	159	
Honeywell TRA-67A	Thales TLS755	24	SA aware GPS
Rockwell TPR-901	Rockwell GLU-920	133	
Rockwell TDR-94D	Rockwell GLU-925	6	SA aware GPS
Rockwell TPR-901	Rockwell GLU-925	55	SA aware GPS
Rockwell TPR-901	Honeywell GNSSU	11	
Rockwell TDR-94D	Rockwell GPS-4000S	7	
Rockwell TPR-901	Honeywell GR-550	16	
Rockwell TPR-901	Honeywell HG2021	1	
Rockwell TPR-901	Honeywell RMA-55	1	
		1110	

** GPS outputs RAIM flags & not true HPL
Transponder must be "Mod A" to use HPL (rather than HFOM)

4 Conclusion

4.1 The meeting is invited to note the approved aircraft types and avionics combinations.
