



International Civil Aviation Organization

**THE NINTH MEETING OF AUTOMATIC  
DEPENDENT SURVEILLANCE – BROADCAST  
(ADS-B) STUDY AND IMPLEMENTATION TASK  
FORCE (ADS-B SITF/9)**



Jakarta, Indonesia, 18 -19 August 2010

---

**Agenda Item 7:                   Development of Asia/Pacific Regional ADS-B implementation plan and  
sub-regional based ADS-B implementation plan**

- Develop a sample document for the regional harmonized requirements for ADS-B Out avionics equipage. (expected to build on outcome of ADS-B regulators workshop).

**APPROVED AIRCRAFT AND AVIONICS**

(Presented by Airservices Australia)

**SUMMARY**

The purpose of this IP is to inform the meeting 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 July 2010 there are 1341 approved airframes of the following types :

Aircraft Type	Number approved
AIRBUS INDUSTRIE A319-	2
AIRBUS INDUSTRIE A320-	72
AIRBUS INDUSTRIE A321-	4
AIRBUS INDUSTRIE A330-	187
AIRBUS INDUSTRIE A340-	60
AIRBUS INDUSTRIE A380-	42
Beech Aircraft Cor B200	16

BELL HELICOPTER CO 206L-	1
De Havilland DHC-8	1
Jabiru	1
Kawasaki BK117	1
THE BOEING COMPANY A330-	1
THE BOEING COMPANY B737-	99
THE BOEING COMPANY B747-	295
THE BOEING COMPANY B757-	1
THE BOEING COMPANY B767-	59
THE BOEING COMPANY B777-	380
THE BOEING COMPANY DHC-8	1
THE BOEING COMPANY MD11F	38
THE BOEING COMPANY MD-11	60
PIPER 200T	1
PILATUS AIRCRAFT L PC-12	6
Pilatus PC-12	1
Hawker Beechcraft B350	3
Hawker Beechcraft Super	5
Lancair IV-P	1
Cessna 210N	1
MOONEY M-20K	1
Total	1341

### 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.

Avionics approved for ADS-B Services		
Equipment Combinations		
ACSS XS-950 ##	Rockwell GLU-920	334
ACSS XS-950 ##	Rockwell GLU-925	8
ACSS XS-950 ##	Honeywell GR-550	49
ACSS XS-950 ##	Honeywell RMA-55B	24
Garmin	Garmin	6
Honeywell TRA-67A	Rockwell GLU-920	166

Honeywell ISP-80A	Rockwell GLU-925	42
Honeywell TRA-67A	Rockwell GLU-925	40
Honeywell TRA-67A	Honeywell GR-550	65
Honeywell TRA-67A	Honeywell GR-551	2
Honeywell KT-73	Honeywell KLN900 **	4
Honeywell KT-73	Honeywell KLN-94 **	8
Honeywell KT-73	Honeywell KMH 820 **	1
Honeywell KT-73	Honeywell KMH0820 **	4
Honeywell TRA-67A	Litton LTN2001Mk 2	41
Honeywell TRA-67A	Honeywell RMA-55B	220
Honeywell TRA-67A	Thales TLS755	36
Rockwell TPR-901	Rockwell GLU-920	127
Rockwell TPR-901	Rockwell GLU-925	79
Rockwell TPR-901	Honeywell GNSSU	11
Rockwell TDR-94D	Rockwell GPS-4000S	18
Rockwell TPR-901	Honeywell GR-550	16
Rockwell TPR-901	Honeywell HG2021	1
Rockwell TPR-901	Honeywell RMA-55	1
Rockwell GLU-920	ACSS XS950	38
		1341

\*\* 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.

-----