

International Civil Aviation Organization



**AUTOMATIC DEPENDENT SURVEILLANCE –  
BROADCAST SEMINAR AND ELEVENTH MEETING  
OF AUTOMATIC DEPENDENT SURVEILLANCE –  
BROADCAST (ADS-B) STUDY AND  
IMPLEMENTATION TASK FORCE (ADS-B SITF/11)**



Jeju, Republic of Korea, 24-27 April 2012

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

- **Regulatory authorities Working Group**

**MAKING OPERATORS AWARE OF THE AUSTRALIAN ADS-B  
FITMENT MANDATE APPLYING IN 2013**

(Presented by Australia)

**SUMMARY**

This paper highlights that the Australian ADS-B fitment becomes mandatory next year, and highlights the efforts undertaken to ensure that Airlines are aware.

**1. Background**

1.1                   On 27 February 2009, the Director of Aviation Safety made the following legal instruments which effectively operate in combination to ensure that new requirements for the use of Automatic Dependent Surveillance – Broadcast transmitting equipment (ADS-B) apply, according to their terms, to all Australian aircraft, foreign aircraft in Australian territory engaged in Regular Public Transport (RPT), charter or aerial work operations and foreign private aircraft in Australian territory.

1.2                   Civil Aviation Order 20.18 Amendment Order (No. 1) 2009, Civil Aviation Order 82.1 Amendment Order (No. 1) 2009, Civil Aviation Order 82.3 Amendment Order (No. 2) 2009, Civil Aviation Order 82.5 Amendment Order (No. 2) 2009 and Miscellaneous Instrument CASA 41/09 – Direction – use of ADS-B in foreign aircraft engaged in private operations in Australian territory.

1.3 The new requirements make fitment and operation of approved ADS-B avionics equipment mandatory on, and from, 12 December 2013 for all aircraft operations in Australian territorial airspace at, or above, FL 290 (unless CASA has authorised otherwise).

1.4 The CAO amendments and direction 41/09 were registered on the Federal Register of Legislative Instruments on 5 March 2009 and came into effect on 6 March 2009. These documents are available on the CASA website at [www.casa.gov.au](http://www.casa.gov.au)

## **2. Making Operators Aware**

2.1 Significant efforts have been undertaken to ensure that operators are aware of the ADS-B mandate. These include:

- Papers & presentations at ADS-B Task Force meetings since 2009
- Papers presented at APANPIRG meetings
- Availability of the regulations on the CASA website
- A dedicated page on the Airservices Australia web site see <http://www.airservicesaustralia.com/projects/ads-b/ads-b-mandate-update/>
- Publication in a number of international magazines eg: Aviation Business Jan 2012 including the poster shown on the next page
- Presentations to Industry groups, Airlines and IATA
- CANSO workshop presentations
- Presentation to ICAO (e.g. at GANIS)
- Direct contact with Airservices customers (Airlines)
- Advising IATA which airlines have not yet equipped.
- Article in the March/April 2012 edition of the Flight Safety Australia magazine produced by CASA
- AIC of 15 June 2011

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## **TRANSITION TO SATELLITE TECHNOLOGY FOR NAVIGATION AND SURVEILLANCE**

### **1. INTRODUCTION**

1.1 In March 2009 CASA published a notice of final rule making (NFRM) regarding the transition to satellite technology for navigation and surveillance. The changes involve amendments to CAOs and CAR 209. Full information may be located at:

[http://www.casa.gov.au/scripts/nc.dll?WCMS:standard::pc=PC\\_93242](http://www.casa.gov.au/scripts/nc.dll?WCMS:standard::pc=PC_93242)

1.2 The amendments to the regulatory and supporting documentation are as follows:

- Amendment schedule to CAO 20.18;
- Amendment schedule to CAO 82.1;
- Amendment schedule to CAO 82.3;
- Amendment schedule to CAO 82.5; and
- Instrument of direction under Subregulation 209 (1) of CAR (1988).

**GET FITTED 12 DEC 2013**

# ADS-B



The deadline for mandatory fitment of ADS-B technology in Australian upper airspace is now less than two years away.

Operators of aircraft flying at and above 29,000 feet (FL290) must have ADS-B equipment installed and operating correctly by 12 December 2013.

More information: [www.airservicesaustralia.com/projects/ads-b](http://www.airservicesaustralia.com/projects/ads-b)

**3. Recommendation**

3.1 It is recommended that the meeting note that the Australian ADS-B mandate becomes effective next year, on 12 December 2013.

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