



International Civil Aviation Organization

**SIXTH MEETING OF THE SOUTHEAST ASIA
SUB-REGIONAL ADS-B IMPLEMENTATION
WORKING GROUP (SEA ADS-B WG/6)**



Singapore, 24 - 25 February 2011

Agenda Item 4: Updating States' activities and mandates issued

ADS-B MANDATE ISSUED BY SINGAPORE

(Presented by Singapore)

SUMMARY

This paper updates the Working Group on the ADS-B equipage mandate issued by Singapore.

1. BACKGROUND

1.1 Conclusions 19/37 of APANPIRG 19 urge States intending to implement ADS-B based surveillance service to publish their mandate as soon as possible, with a target publication date of no later than 2010.

1.2 Conclusion 21/39 of APANPIRG 21 urged states to promulgate mandating rule for ADS-B avionics equipage requirements as soon as possible using a template stating:

- a) Effective date of mandate;
- b) Routes and Flight Level affected; and
- c) Equipage Standards to be met.

2. CIRCULAR ISSUED BY SINGAPORE

2.1 On 28 December 2010, Singapore issued the Aeronautical Information Circular (AIC) (as attached) informing aircraft operators on CAAS's plan to implement ADS-B operations after 2013 within parts of the Singapore FIR.

2.2 On and after 12th December 2013, if an aircraft operates on Airways L642, M771, N891, M753, L644 and N892 bounded within 073605N 1090045E, 040713N 1063543E, 041717N 1061247E (MABLI), 044841N 1052247E (DOLOX), 045223N 1041442E (ENREP), 045000N 1034400E thence north along the Singapore FIR Boundary to 070000N 1080000E at or above FL290:

- a) the aircraft must carry serviceable ADS-B transmitting equipment that has been certified as meeting EASA AMC 20-24, or meets the equipment configuration standards in Appendix XI of Civil Aviation Order 20.18 of the Civil Aviation Safety Authority of Australia; and
- b) the aircraft operator must have the relevant operational approval from the State of Registry. Aircraft that does not have the relevant ADS-B operational approval from the State of Registry will be assigned a flight level below FL290.

3. ACTION BY THE MEETING

- 3.1 The meeting is invited to note the AIC issued by Singapore.
