



ICAO BANGKOK

UNITING AVIATION

WP08 Mode S Conspicuity Code

SAIOACG/10 and SEACG/27
29 March – 02 April 2021

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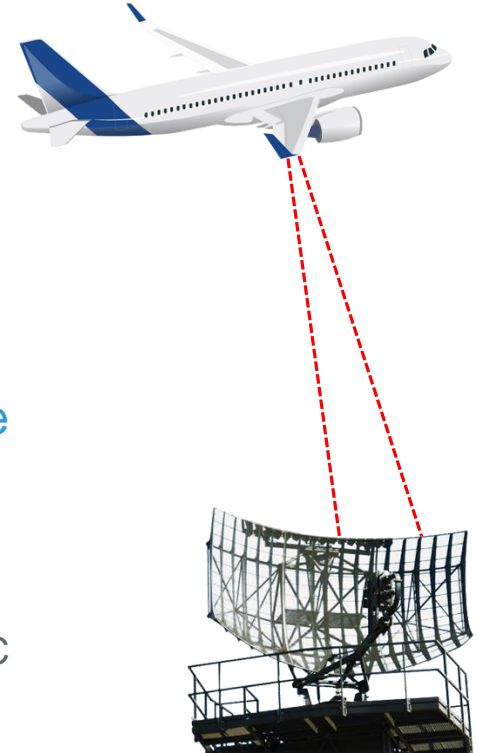
Introduction

– This paper provides

- an update on outcomes of discussion from ATM/SG/6 (Hong Kong, China, 30 July – 03 August 2018)
- subsequent developments, relating to the Asia/Pacific Secondary Surveillance Radar (SSR) Codes Allocation Plan

– Information on regional Mode S SSR conspicuity code (ATM/SG/6)

- provided by Australia and Co-Chairs of the SURICG
- typical allocation process for discrete Mode A SSR codes
- assignment of blocks of codes to APAC Administrations in the APAC Air Navigation Plan (ANP)



Discussion

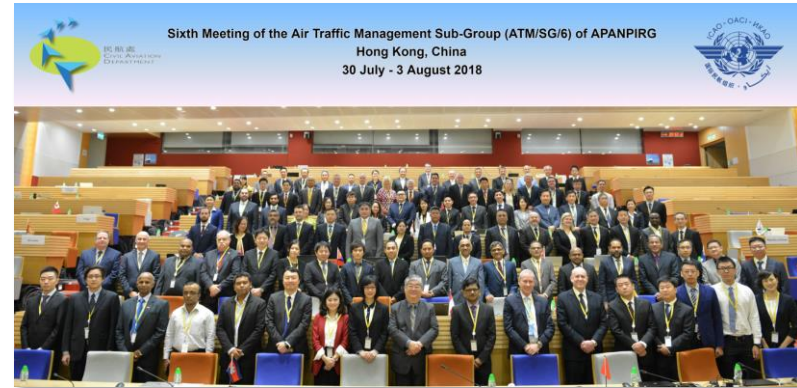
– ATM/SG/6 noted:

- relevant sections of Asia/Pacific Seamless ATM Plan (now Seamless ANS Plan)
- Surveillance Strategy for Asia/Pacific Region
- European SSR Code Management Plan 2010
- India's trial non discrete Mode A SSR conspicuity code implementation

– ATM/SG/6 agreed:

Conclusion ATM/SG/6-3: Proposed Air Navigation Plan Volume II Amendment

*That, a Proposal for Amendment (PfA) to the APAC Air Navigation Plan Volume II at **Appendix C to the Report** be submitted, withdrawing Mode A SSR Code A1000 from Table ATM II-APAC-2 and identifying it as the Mode S conspicuity code for the APAC Regions.*





Asia/Pacific Seamless ANS Plan (V3.0)

– ATS Surveillance

7.27 ADS-B (using 1090ES), MLAT or radar surveillance systems should be used to provide coverage of all Category S airspace as far as practicable, and Category T airspace supporting international aerodromes, consistent with **ASUR-B0/1 – 2**. Data from ATS surveillance systems should be integrated into operational ATC aircraft situation displays (standalone displays of ATS surveillance data should not be used operationally).

Note 3: ATC units operating within controlled airspace wholly served by Mode S SSR and/or ADS-B surveillance should implement the use of the standard non-discrete Mode A code 1000 for Mode S transponder equipped aircraft to reduce the reliance on assignment of discrete Mode A SSR codes and hence reduce the incidence of code bin exhaustion and duplication of code assignment.

INTERNATIONAL CIVIL AVIATION ORGANIZATION



ASIA/PACIFIC SEAMLESS ANS PLAN

Version 3.0, November 2019

This Plan was originally developed by the Asia/Pacific Seamless ATM Planning Group (APSAPG) and amended when appropriate by APANPIRG.

Approved by APANPIRG/30 and published by the
ICAO Asia and Pacific Office, Bangkok



Amendment to the APAC ANP

- PfA 18/05 was circulated to all APAC Administrations
- Reached Air Navigation Agreement (ICAO State Letter AP080-20)
- APAC ANP Vol II includes:

Part IV – AIR TRAFFIC MANAGEMENT (ATM)

3. SPECIFIC REGIONAL REQUIREMENTS

3.6 Mode A Code A1000 is reserved for use as a conspicuity code for Mode S equipped aircraft, operating in airspace under Mode S surveillance, where Aircraft Identification (Flight ID) is used for unambiguous ATC identification of aircraft and to enable coupling of the ATS surveillance system information with the flight plan.

- Code A1000 has been removed from the ANP

The screenshot shows the ICAO website interface for the APAC Air Navigation Plan (ANP). At the top, there is a navigation bar with links: About ICAO, Global Priorities, Events, Information Resources, Careers, and Uniting Aviation. Below this is a sub-header: ICAO / Asia and Pacific (APAC) Office / APAC AIR NAVIGATION PLAN (ANP). The main content area is titled "APAC AIR NAVIGATION PLAN (ANP)". On the left, there is a sidebar menu with categories like Overview, Information for Visitors, COVID-19 & ACCRPG Sub-Groups, Environmental Protection, State Action Plans, News, and APAC ANP. The "APAC ANP" category is highlighted with a red arrow. The main content area displays a list of documents under the heading "APAC ANP (3)". The list includes:

- 01 ANP ALL Volumes Amendment Template and Guidance
- 02 ANP VOL II TABLE ATM II-APAC-I Template and Guidance
- 03 Proposal for Amendment of ANP Vol II Table AOP II-1 [Template and Guidance]

Below this, there is another section for "APAC eANP (3)" with documents:

- 01 APAC ANP Volume I
- 02 APAC ANP Volume II
- 03 APAC ANP Volume III



– Administrations responsible for the following FIRs requested to note that code A1000 has been removed from their allocation:

- Bangkok (Domestic allocation)
- Brisbane (International allocation)
- Fukuoka (Domestic allocation)
- Shanghai (Domestic allocation)
- Shenyang (Domestic allocation)
- Taipei (Domestic allocation)
- Urumqi (Domestic allocation)

Action by the meeting

– The meeting is invited to:

- note the information contained in this paper
- discuss any relevant matters as appropriate





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THANK YOU