



ICAO BANGKOK

UNITING AVIATION

WP17 Mode S Conspicuity Code

ATM/SG/8

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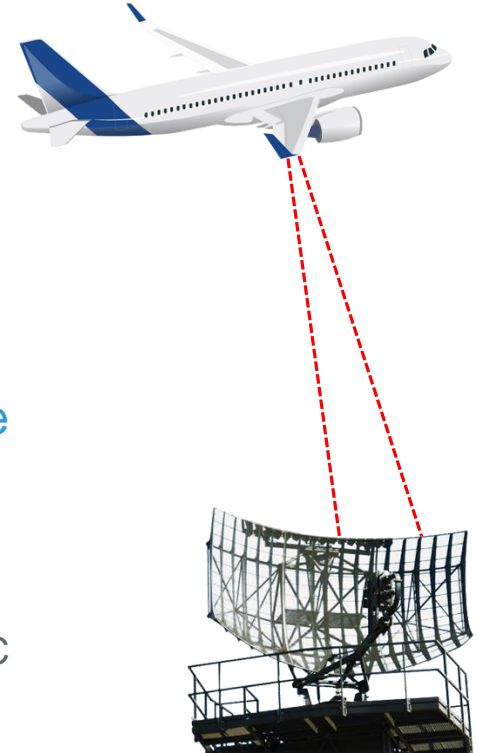
Introduction

– 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

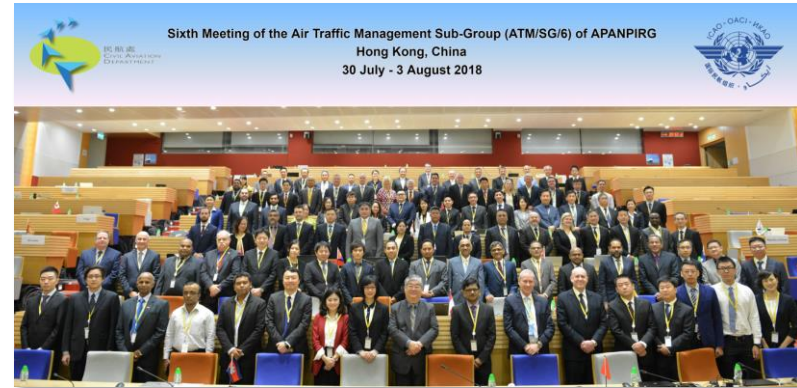
– ATM/SG/6 noted:

- 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.





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 for 'ICAO / Asia and Pacific (APAC) Office / APAC AIR NAVIGATION PLAN (ANP)'. The main content area is titled 'APAC AIR NAVIGATION PLAN (ANP)' and features a table of documents. The table has columns for 'Number' and 'Title'. There are three sections of documents listed, each with a 'Type Name' and 'Category'. A red arrow points to the 'APAC ANP' section in the left-hand navigation menu.

Number	Title
Type Name : APAC ANP (3)	
Category : (3)	
01	ANP ALL Volumes Amendment Tem
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 Guid
Type Name : APAC eANP (3)	
Category : (3)	
01	APAC ANP Volume I
02	APAC ANP Volume II
03	APAC ANP Volume III



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



– 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