



International Civil Aviation Organization

**The Twenty-Second Meeting of the Southeast Asia ATM Coordination Group
(SEACG/22)**

Bangkok, Thailand, 09 – 12 March 2015

Agenda Item 5: ATS Route Development

REDESIGNATION OF ATS ROUTES A461 AND A583 TO RNP10

(Presented by Hong Kong, China)

SUMMARY

This paper presents the reconfiguration of conventional ATS routes A461 and A583 to RNP10 routes to relieve the increasing traffic demand of the two routes.

1. INTRODUCTION

1.1 Hong Kong, China has presented Working Paper, RECONFIGURATION OF ATS ROUTES A461 AND A583, in SEACG/19. The paper listed the suggestions on reconfiguration of the two conventional ATS routes to PBN routes. These suggestions will help manage the flow of traffic between Hong Kong, China and the Philippines in a more orderly manner and most importantly, increase the traffic handling capacity of the two routes. With the significant increase of traffic on the two conventional ATS routes, Hong Kong, China recognizes the urgent need to raise the capacity of the two routes at the earliest possible opportunity.

2. DISCUSSION

Implementation of RNP10 on A583 and A461

2.1 A583 and A461 are two conventional ATS routes that connect major hubs in China including Beijing, Guangzhou, Shanghai Pudong, Shenzhen and Hong Kong, with the various destinations in the Philippines, Malaysia, Indonesia and Australasia. With the significant growth of air traffic in the region, the two airways have reached their capacity in busy hours.

2.2 The longitudinal separation required on conventional ATS routes, A583 and A461, is ten minutes. Reconfiguration of the ATS routes to RNP10 would increase the capacity of the two airways by over 35%. RNP 10 is in line with the PBN specifications recommended in Category R airspace in the APAC Seamless ATM Plan and is a commonly used route specification in the region. It does not require surveillance but only need Direct controller-pilot communications for distance verification requirement of at least every 24 minutes.(*para 5.4.2.6.3, Ch5, PANS-ATM*)

2.3 Hong Kong, China is ready for the reconfiguration of ATS routes A583 and A461 to RNP 10.

2.4 During the First Meeting of South China Sea Major Traffic Flow Review Group (SCS-MTFRG/1) held in Kuala Lumpur, Malaysia 19-20 January 2015, the Philippines agreed to the proposal made by Hong Kong China in *SEACG/21 WP8:Redesignation of ATS Routes A461 and A583 to RNP10*. The review group meeting suggested that further agreements should be sought from Indonesia and Australia in the coming SEACG/22 in order to make the NavSpecs along the entire route to be uniform.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) discuss any relevant matters as appropriate;
- c) consider acceptance of the re-designation of A461 and A583 and
- d) jointly submit a Proposal for Amendment of the Asia/Pacific Basic Air Navigation Plan (DOC9673).

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