



International Civil Aviation Organization

**FIFTEENTH MEETING OF THE
ASIA/PACIFIC AIR NAVIGATION PLANNING AND
IMPLEMENTATION REGIONAL GROUP (APANPIRG/15)
Bangkok, Thailand, 23 to 27 August 2004**

Agenda Item 2.1: ATM/AIS/SAR Matters

**THE PROPOSED ATS/RNAV ROUTE REALIGNMENT AND ATS/RNAV
ROUTES ESTABLISHMENT IN SOUTH CHINA SEA AREA**

(Presented by Cambodia)

SUMMARY

This working paper presents the realignment and linkage of the ATS/ RNAV routes in South China Sea Area to facilitate air traffic movement from Hong Kong – Phnom Penh – Phuket and beyond.

1. INTRODUCTION

1.1 Experiencing of the difficulty of traffic movement in South China Sea Area on ATS/RNAV route A202, A1 and P901 from Hong Kong, Bangkok, Phuket and beyond where the aircraft operator encounter with the traffic congestion and optimum level constraints.

1.2 In facilitating air traffic movement on these ATS/RNAV route, Cambodia would like to realign and link the ATS/RNAV routes as follow:

2. ROUTE REALIGNMENT

2.1 ATS route R 588 from Phnom Penh to BENSAN – UPNEP – within Phnom Penh and Bangkok FIR.

3. ROUTE LINKAGE

3.1 ATS/RNAV route P901, linking ATS/RNAV routes P901 at IGNIS or IPROP to QUANGNGAI. within Ho Chi Minh FIR and SANYA AOR.

4. NEW ATS/RNAV ROUTE

4.1 Hong Kong – Phnom Penh – Phuket
CH-P901- IGNIS/IPROP – **XXXX** – QUANGNGAI – W11 – PLEIKU – R588 – PNH – R588 – BENSAN – UPNEP – W33 – SMU – W32 – STN – G458 – PUT.
1285, 1293 NM.

5. THE EXISTING ATS ROUTES

- Hong Kong to Phuket via P901- DAN-A1- BKK - G458 - MENEX: **1360 NM**
- Hong Kong to Phuket via P901- A1 - TOPER- W42– MENEX– W34: **1332 NM**

5.1 When comparing the distances between the existing ATS/RNAV routes P901 – A1- BKK – G 458 - PUT and the proposed new ATS/RNAV route, we have approximately 70/75 NM shorter.

6. SUPPORTING FACILITIES

6.1 The New proposes ATS/RNAV routes are supported by VOR/DME and are under VHF radio and radar coverages.

7. CONCLUSION

7.1 In facilitating traffic movement from/to Hong Kong, Phnom Penh, Phuket and beyond, these realignment and linkage of new routes will bring the positive benefit to the airlines operator and users such as direct route, less heading changes, shorter distances, less traffic congestions, time save, less fuel consumption and more optimum cruising levels.

8. ACTION BY APANPIRG

8.1 The meeting is invited to discuss and consider this matter and the involving states are invited to cooperate for this issue.
