



International Civil Aviation Organization

**Third Meeting of the Southeast Asia Route Review Task Force
(SEA-RR/TF/3)**

Bangkok, Thailand, 24 – 27 August 2010

Agenda Item 6: ATS Route Development

**ATS ROUTE IMPLEMENTATION AND
PROPOSALS FOR NEW ROUTES**

(Presented by the Viet Nam)

SUMMARY

This paper provides an overview on status of establishment and revision ATS routes within Ha Noi and Ho Chi Minh FIRs up to now. The paper also proposes the meeting to consider new ATS routes in the area and the coordinated actions to be taken in this matter.

1. INTRODUCTION

- 1.1 In 2009, the Civil Aviation Administration of Vietnam (CAAV) developed a comprehensive Plan for establishing and revising both domestic and international ATS routes. CAAV closely coordinated with Vietnam Airlines, Vietnam Air Navigation Services Corporation, Regional Airport Corporations and respective Military Agencies in finalizing this Plan with various optimum ATS route options.
- 1.2 These routes are aimed at reducing flight distance and time as well as facilitating flight and ATC operations. CAAV highly appreciates the close coordination and assistance made by ICAO Regional Office, Lao DCA, SSCA, CAAS, CAAC and other Civil Aviation Authorities concerned in this process.
- 1.3 Two new domestic ATS routes (W17, W22) and two extended ATS routes (W10, W12) have been implemented since July 2009 to support flight operations of airlines. Efficiency gains to aircraft have been significant.
- 1.4 Based on the ATM coordination meeting between CAAV and Lao DCA, the two new international ATS/RNAV route B214 NASAN – LADON – AKSAG (serving traffic between Ha Noi and Europe) and extension of ATS route B329 from PAKSE to VILAO – NAMHA (serving traffic between Ha Noi and Phnom Penh) have been implemented since the end of January 2010.
- 1.5 The new RNAV route Q15 Cam Ranh – MESOX within Ho Chi Minh FIR (serving traffic between Ho Chi Minh City and Northeast Asia as well as future int'l traffic to/from Cam Ranh airport) and extension of ATS route G221 from BUNTA to Phu Cat (within Ho Chi Minh FIR serving traffic between Ho Chi Minh City/Kuala Lumpur and Hong Kong (China)/Northeast Asia as well as future traffic between Ho Chi Minh City and Hainan island) have been implemented since March 2010. The ATS/RNAV routes W2, A206, B468, M771

have been revised by supplementing Compulsory/Non-Compulsory reporting Points, re-alignment via new reporting point, revision of coordinates and replacing reporting point).

- 1.6 Based on the ATM coordination meeting between CAAV and SSCA, two new ATS route R213 Can Tho – VOR/DME Phnom Penh (serving future traffic between Can Tho City and Phnom Penh/Bangkok/Vientiane) and extension of ATS route R334 Bangkok – Koh Kong to Shihanoukville and Phu Quoc (serving future traffic between these destinations) will be implemented from 23 September 2010. The revision of domestic ATS routes W8, W16, W17 and W18 is in progress.

2. ATS ROUTES AGREED IN-PRINCIPLE TO BE IMPLEMENTED

- 2.1 An ATM coordination meeting between CAAV and CAAC was convened in 2009. The ATS route Cat Bi – NANKANG serving traffic between Ha Noi/Haiphong and Hong Kong/Northeast Asia was agreed to in principle. It was also considered that both sides should have further discussions on technical details.
- 2.2 An ATM coordination meeting between CAAV and CAAS was convened in February 2010. The new unidirectional RNAV route M756 ENREP - Tan Son Nhat (serving traffic between Singapore and Ho Chi Minh City as well as future traffic to Can Tho City) was agreed. The target date of implementation will be defined after the operational route assessment by CAAV takes place.
- 2.3 At the request of SSCA, the proposed new route/segment serving traffic between Phnom Penh and Northeast Asia within Ho Chi Minh FIR was studied by CAAV in March 2010. The final solution would be made in conjunction with study on route/corridor to/from Chu Lai airport which is planned to be upgraded to international airport status in the near future. The new ATS routes for future traffic between Phnom Penh/Siem Riep and Da Lat (in Highland of Viet Nam) will also be considered by CAAV and SSCA.

3. PROPOSALS FOR NEW ATS ROUTES

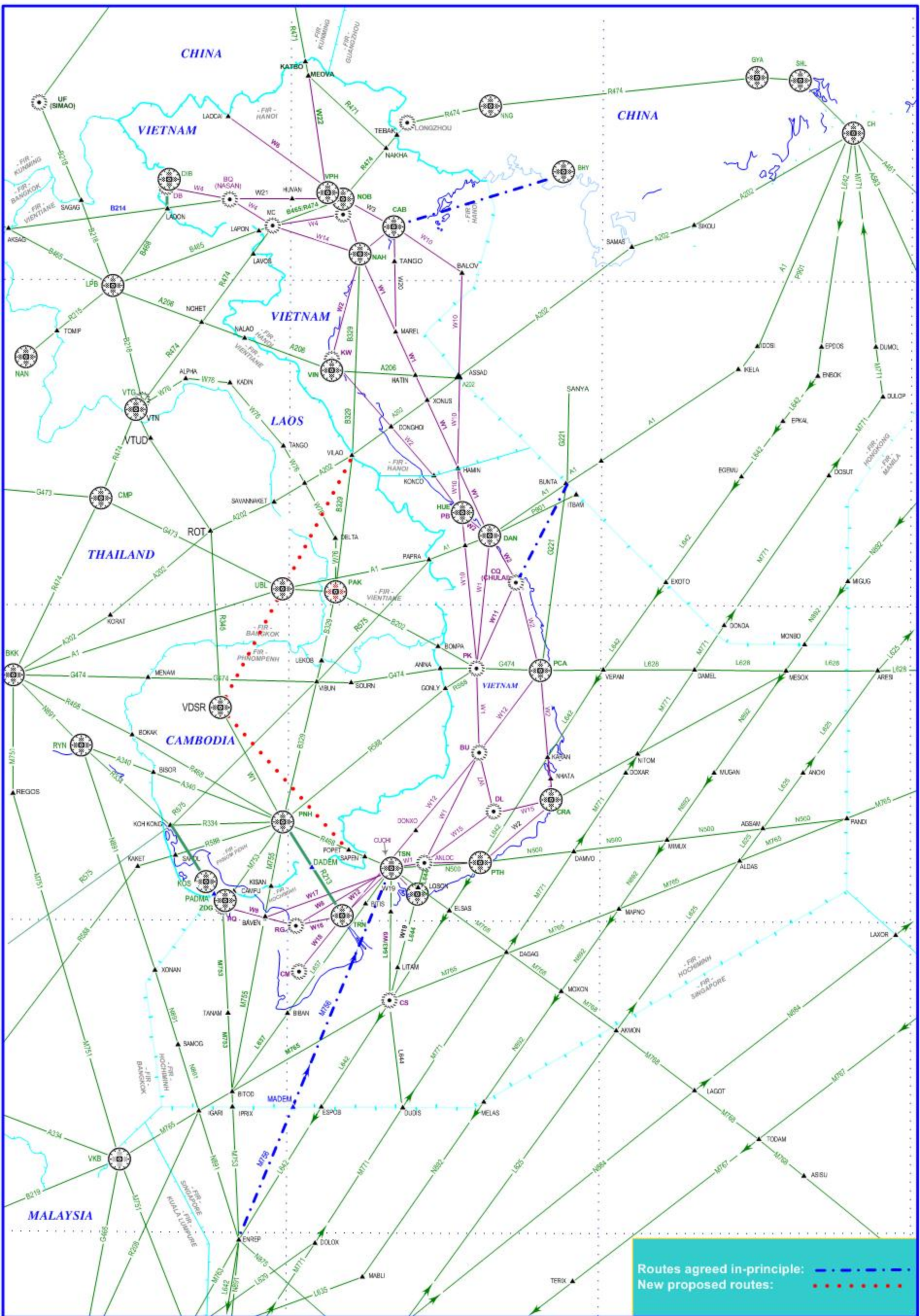
- 3.1 In order to reduce flight distance, CAAV would like to propose the following new ATS routes:
- a) Siem Riep – UBON – VILAO within Phnom Penh, Bangkok and Vientiane FIRs serving traffic between Ha Noi and Siem Riep.
 - b) POPET - Siem Riep within Phnom Penh FIR serving traffic between Ho Chi Minh City and Siem Riep
 - c) LPB – CMA-BGO, PAE-TATEL or any other option within Bangkok and Yangon FIRs serving traffic between Hanoi and Yangon.
(The illustrated Charts is shown at Appendix 1 and 2)

4. ACTION BY THE MEETING

- 4.1 The meeting is kindly requested to:
- a) note the information contained in this paper;
 - b) discuss for agreement on establishing new routes as proposed in Para 3.1.
 - c) closely coordinate with CAAV to implement the above-mentioned agreed ATS/RNAV routes.

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CHART OF PROPOSED NEW ATS ROUTES



Appendix 2: CHART OF PROPOSED NEW ATS ROUTE/SEGMENT FOR TRAFFIC HAN - RGN

ATS route/segment LPB –CMA-BGO: Reducing 07 minutes for traffic between HAN – RGN

ATS route/segment PAE –TATEL: Reducing 05 minutes for traffic between HAN – RGN

