

**55th CONFERENCE OF
DIRECTORS GENERAL OF CIVIL AVIATION
ASIA AND PACIFIC REGION**

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AGENDA ITEM 4: AIR NAVIGATION

UPDATE ON AIR NAVIGATION ACTIVITIES IN VIET NAM

Presented by Viet Nam

INFORMATION PAPER

SUMMARY

This paper provides a brief update on air navigation activities in Viet Nam during the recent time.

UPDATE ON AIR NAVIGATION ACTIVITIES IN VIET NAM

1. INTRODUCTION

1.1 The Air Navigation System of Viet Nam provides ATS and other air navigation services (ANS) for more than 110 airlines operating within or over Ha Noi and Ho Chi Minh FIRs. The traffic volume is being increasingly.

1.2 The current Viet Nam airport system is consisting of 08 international airports and 13 domestic airports. New Van Don international airports located in Northeast region of Viet Nam will be put into operation in the First Quarter of 2019. Up to 2020, this system will be increased to 26 airports.

2. DISCUSSION

2.1 During the recent time, based on ICAO Regional Air Navigation Plan and Aviation System Block Upgrades, Viet Nam has carried-out many activities in the air navigation fields.

2.2 Regulations and programmes:

- Revised Aviation Master Plan including air navigation contents (phase up to 2020 and phase to 2030); developing revised the New CNS/ATM systems;
- Promulgating New ANS Regulations and guidance;
- Updating ATM Contingency Plan, PBN Implementation Plan, AIS-AIM Transportation Plan, SAR Plan;
- Deploying PBN programme with initial application RNAV1 SID/STAR for high traffic density aerodromes, reviewing associated operational minima;
- Amending operational manuals for ATS/CNS/MET/AIS/SAR/PANS-OPS/MAP-CHART units, aerodrome emergency plans and SAR plans;
- Continuation of comprehensive Programme on new and revised domestic and international ATS routes;
- Issuance of regulation of aviation SAR coordination (at governmental level), the regulation on aeronautical charts and maps, ANS Safety inspector handbook;
- Enhancing capability of ANS safety oversight system, implication of runway safety programme as well as ANSP safety management system;
- Continuation of the Programme on overcoming ICVM findings/recommendations in ATM.

2.3 Airspace organization:

- Re-sectorization of Tan Son Nhat and Noi Bai APP, setting up new TMA for Cam Ranh international airport;
- Upgrading ATS route B329 to RNAV2 route N639; implementing RNAV2 route Q10 serving traffic from Cat Bi Intl airport;
- Study on RNAV route parallel with ATS route A1; coordination for proposing to establish new RNAV2 route serving intl traffic to/from Cat Bi;
- Implementing PBN procedures for Da Nang, Cam Ranh aerodromes; designing PBN procedures for Phu Bai, Lien Khuong, Phu Quoc, Con Son, Dien Bien aerodromes, etc.

2.4 ATS activities:

- Maintenance of ADS/CPDLC operation within Ho Chi Minh FIR.
- Continuing the trial, operation of AFTM/CDM-A under the relevant project in the area;
- Revision ATC LOAs between Ha Noi/Ho chi Minh ACCs and relevant adjacent ACCs;
- Discussion on harmonizing ATM contingency with the States concerned;
- Coordination for reducing ATS surveillance spacing minima along ATS/RNAV routes;
- Increasing ATC SLOT capability for Tan Son Nhat and Noi Bai aerodromes;
- Setting up new control approach unit for Cam Ranh international airport;
- Study on establishing ATFM centre and other activities.

2.5 CNS:

- AIDC: Continued testing between Ho Chi Minh ACC and Phnom Penh ACC/Manila ACC, testing between Ha Noi ACC and Vientiane ACC, planning for testing between Ho Chi Minh ACC and Sanya ACC;
- Setting – up, testing and put AMHS into operation from September 2018;
- Putting ADS-B into operation at Ha Noi ACC, Da Nang APP and Cam Ranh TWR;
- Deploying new modern radar systems, extended VHF stations;
- Putting new Tuy Hoa, Chu Lai, Tho Xuan and Van Don ATC Towers into operation; deploying project on new Da Nang APP/TWR Centre, Phu Cat ATC Tower.

2.6 Other ANS activities:

- Enhance of MET equipment and services at the airports in Viet Nam, deploying project on aeronautical OPMET centre (NOC) and project on D-ATIS at high traffic density international airport;
- Deploying project on new automated AIS system (Version 5.1);
- Issuance of AICs, AIP Supplements and Amendments; taking measures for compliance with the AIRAC notification periods;
- Optimization of SAR areas of responsibility between airport and air traffic management corporations; reviewing SAR contingency; carrying-out SAREX in the Middle region, airport emergency exercises at airports in Viet Nam; routine checking for anti-flooding activities, airport emergency services and RCC/RSC, etc.

2.7 Other activities are:

- Taking corrective actions for air navigation deficiencies in respect of AOP field; taking actions for proposal on amendment for BANP on ATM aspect;
- Setting up and maintaining operation of CAAV's ANS safety inspector system as well as ANSP's safety management system;
- Cooperation with the states concerned on ATS routes, ATC, AIDC, other air navigation and safety matters, etc.

3. ACTION BY THE CONFERENCE

3.1 The Conference is invited to note the information contained in this Paper.