



ICAO

International Civil Aviation Organization

INFORMATION PAPER

Eighteenth Meeting of the Meteorological Information Exchange Working Group (MET/IE WG/18)

Tenth Meeting of the Meteorological Services Working Group (MET/S WG/10)

Web-conference, 27 to 31 July 2020

Agenda Item 3: Monitoring of meteorological information exchange

IMPLEMENTATION OF VIETNAM NOC (NATIONAL OPMET CENTRE)

(Co-presented by Vietnam and Thailand)

SUMMARY

By recent, Vietnam has not run national OPMET centre (NOC) as defined in 4.1 ROBEX Handbook for state-region OPMET exchange. Instead, MET offices/MET stations at international airports of Vietnam directly network with Bangkok ROC for exchanging METAR/TAF messages/bulletins. This pattern makes flow of data exchange complicated, unsystematic and sometimes duplicated. To solve these problems, Vietnam in cooperation with Bangkok ROC has launched a project to implement Vietnam NOC that planned to be completed by end of 2020.

1. INTRODUCTION

1.1 By recent, each originating station (AMO/AMS in 8 international airports in Vietnam) has direct connection with Bangkok ROC for exchanging/retrieving MET messages/MET bulletins without an NOC as patterned in ROBEX Scheme.

1.2 In order to improve the efficiency of international OPMET data exchange and to ensure the compliance with ROBEX scheme, Vietnam, in collaboration with Thailand, has launched a plan to establish a NOC in Vietnam and to incorporate this into the ROBEX scheme. IP11 to MET/IE WG/17 Meeting (2019) had been presented as a milestone of the NOC implementation project.

1.3 In the process of the NOC implementation, some change from the initial project has been agreed by the parties. According to that, Vietnam NOC will also take function to generate SA, FT bulletins that incorporate Vietnam METARs/TAFs under ROBEX Scheme.

2. DISCUSSION

2.1 Interconnection between Vietnam NOC and Bangkok ROBEX Centre/RODB for operation

2.1.1 Bangkok ROC:

+ collects bulletins SAVS32 and FTVS32 from Vietnam NOC (including 8 METAR/TAF messages (VVCI, VVCR, VVCT, VVDN, VVNB, VVPB, VVPQ and VVTS));

+ transform those received to METAR/TAF bulletins SAAE34 and FTAE34 for distribution under ROBEX scheme.

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2.1.2 Vietnam NOC:

+ collects METAR/TAF messages from originating sources of Vietnam; generate METAR/TAF bulletins under SAVS32 and FTVS32 and sends to Bangkok ROC during the cut-off time (to be set by VATM and Bangkok ROC);

+ receives OPMET bulletins from Bangkok ROC under agreement between VATM and Bangkok ROC and distribute to authorized users.

2.1.3 Vietnam originating stations:

+ produce METAR/TAF messages; send to NOC during the cut-off time (to be set by CAAV/ VATM);

+ receive METAR/TAF bulletin from Vietnam NOC as required.

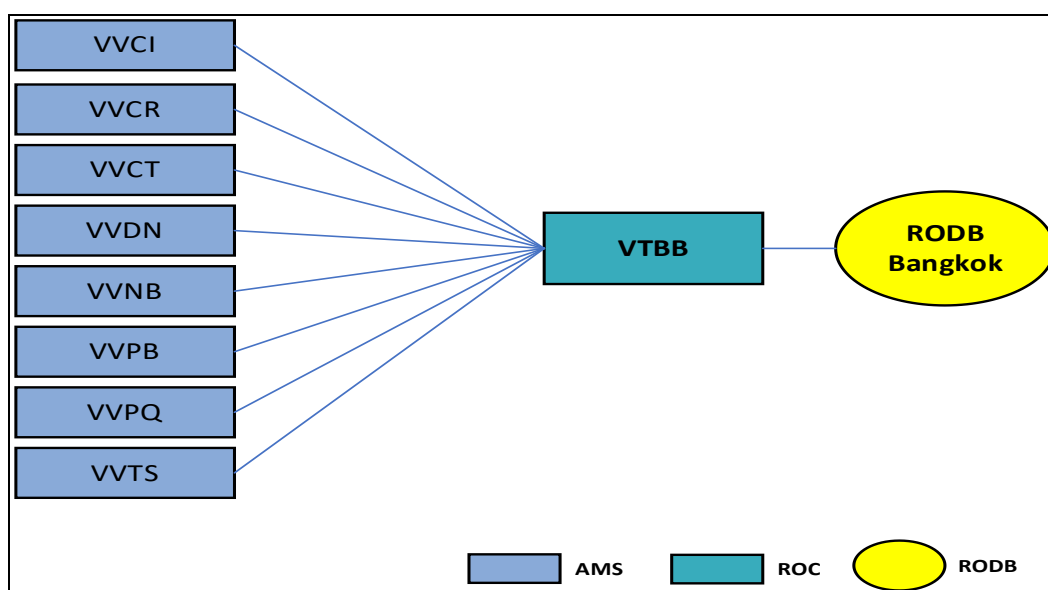


Figure 1 – Current pattern of Vietnam OPMET Exchange (AFTN environment)

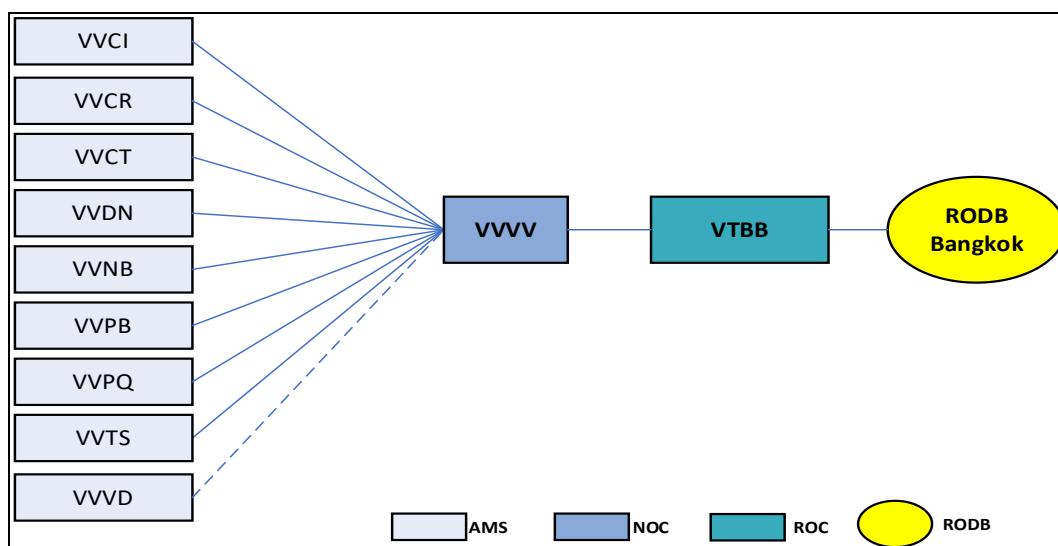


Figure 2 – Future pattern scheme with NOC (AFTN/AMHS, planning to implement IWXXM)

- 2.2 Status of Vietnam NOC implementation and future plan
- + Tests for connection and TAC message (METAR/TAF) exchange:
 - First three-month test completed by January 2020 (VATM and Bangkok ROC);
 - Second test: 01-month test completed by May 2020.
 - + Test for connection and TAC message (METAR/TAF) exchange between Vietnam originating stations and NOC: Completed by June 2020 (VATM);
 - + Pre-operation plan: in September 2020;
 - + Cutover plan: in Quarter 4 of 2020;
 - + Follow procedure for update ROBEX Handbook and APAC ANP regarding the change.

2.3 During the project implementation, some changes to the initial plan had been made (to function of NOC and the content and format of message/ bulletins exchange between NOC and Bangkok ROC); those had been reported to CAAV and Bangkok ROC, AEROTHAI.

2.4 Civil Aviation Authority of Vietnam (CAAV), Vietnam Air Traffic Management Cooperation (VATM) and Bangkok ROC, AEROTHAI continue to coordinate for Vietnam NOC implementation, with steps of putting NOC into operation, updating APAC ANP and ROBEX handbook, and the procedure to upgrade/ implement IWXXM.

3. ACTION BY THE MEETING

- 3.1 Note the information contained in this paper.
