



ICAO

International Civil Aviation Organization

WORKING PAPER

Twenty-fourth Meeting of the Meteorology Sub-group (MET SG/24) of the Asia and Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG)

Web-conference, 16 – 20 June 2019

Agenda Item 5: Research, development and other initiatives

HAND OVER SIGMET ISSUANCE FROM SOUTHWEST ATMB OF CAAC TO STATE SECRETARIAT OF CIVIL AVIATION, CAMBODIA

(Presented by Cambodia)

SUMMARY

This paper presents to hand over SIGMET Issuance for Phnom Penh FIR from Southwest ATMB of CAAC to State Secretariat of Civil Aviation, Cambodia.

1. INTRODUCTION

1.1 The SIGMET for Phnom Penh FIR (VDPP) has been prepared and issued by Chengdu MWO on behalf of Cambodia since 1st June 2009. With assistance from the Civil Aviation Administration of China (CAAC)

1.2 State Secretariat of Civil Aviation, Cambodia (SSCA) has trained personnel in the provision of MWO and SIGMET service. Since May 2018, Phnom Penh MWO has also arranged routine trial with Chengdu MWO validating the meteorological Information provided. The result is satisfactory so far.

1.3 The Chengdu Meteorological Watch Office (MWO) under the Air Traffic Management Bureau of the Civil Aviation Administration of China (ATMB of CAAC) has been assisting the issuance of SIGMET for the Phnom Penh FIR in the last 10 years. Bilateral agreements between ATMB of CAAC and the State Secretariat of Civil Aviation of Cambodia (SSCA) proposed that the SIGMET issuance for the Phnom Penh FIR would be handover from ATMB of CAAC back to SSCA on 15th October 2020. In view of that, an ad hoc WS SIGMET test was arranged

2. DISCUSSION

Hand over SIGMET issuance from Southwest ATMB of CAAC to SSCA, Cambodia

2.1 In May 11,2009 The Letter of Agreement had been signed between the State Secretariat of Civil Aviation of Cambodia (SSCA) and the Air Traffic Management Bureau of the Civil Aviation Administration of China (ATMB of CAAC), on coordination Procedures for Issuance of SIGMET for the Phnom Penh (VDPP) FIR which effective 01 June 2009 at 0001 UTC.

2.2 Cambodia has further developed its own facilities and capabilities for the provision of MWO and SIGMET services for the Phnom Penh FIR.

2.3 On 15 October 2020 Air Traffic Management Bureau of Civil Aviation Administration of China (ATMB of CAAC) and State Secretariat of Civil Aviation of Cambodia (SSCA) did the handover Ceremony of SIGMET Issuance for Phnom Penh FIR of Cambodia by online meeting which participated from ATMB, CAAC; SWCAAC; SWATMB,CAAC ; YNATMB,CAAC and SSCA.

3. CONCLUSION

3.1 From 15 October 2020, Cambodia takes back responsibility for the issuance of SIGMET for Phnom Penh FIR (from the arrangement with China). Subsequent to taking back responsibility for the issuance of SIGMET for Phnom Penh FIR. Cambodia participated in SIGMET coordination activities to harmonize the SIGMET information with neighboring MWOs.

4. ACTION BY THE MEETING

4.1 The Meeting is invited to:

- a) Note the information in this paper; and
- b) discuss any relevant matter as appropriate

APPENDIX 1

1. At the kind offer from Civil Aviation Administration of China (CAAC), expert from Southwest Air Traffic Management Bureau of Civil Aviation Administration of China SWATMB, CAAC has provided SIGMET training to Cambodia MWO forecasters in 2002 and 2015. Fifteen officers have successfully completed training on SIGMET and three officers have successfully completed the meteorology On-Job Training in Chengdu, Southwest Air Traffic Management Bureau (SWATMB) of CAAC. SWATMB also sent management and technical personnel to Cambodia to communicate and offer on-site technical guidance in 2010, 2014 and 2016.
2. CAAC installed Fun Yan 2 (FY-2) Satellite data reception system for Cambodia MWO, which was successfully implemented and completed as of September 26th, 2017. Cambodia MWO also got Himawari 8 satellite image data from JMA, Japan through Website.
3. CAAC installed 13 Lightning Detection Sensor stations around Phnom Penh FIR in order to provide safety fly in Cambodia.
4. To prepare for Cambodia taking over the preparation of SIGMET, Cambodia MWO forecasters have been issuing SIGMET in local and sent to Chengdu MWO, China MWO for correction since May 01st, 2018 through WeChat Application in real time, focusing on the format of SIGMET and the Cumulonimbus' position, intensity, top height and development trend. Chengdu MWO has provided over 80 modification suggestion up until now. Thanks to joint efforts from both parties, the Cambodia forecasters are now very familiar with the rules and have the basic capabilities required for SIGMET issuing.
5. The Cambodia MWO forecasters further received on-site training on SIGMET coordination provided by the Hong Kong observatory (HKO) in May 2018. Apart from a chatroom for coordination, the SIGMET coordination platform provided by HKO also help generate the SIGMET message automatically, thus reducing the chance for format error. Since the training, the Cambodia MWO forecasters have been practicing the preparation of SIGMET using the platform and are ready to join the SIGMET Coordination Trial.
6. Cambodia MWO will also participate as a user of the Asia Aviation Meteorological Centre (AAMC) jointly established by CAAC, China Meteorological Administration (CMA) and HKO, which offer nowcast NWP guidance and forecaster guidance to the participants.

Appendix2





交接仪式议程安排 Ceremony Schedule

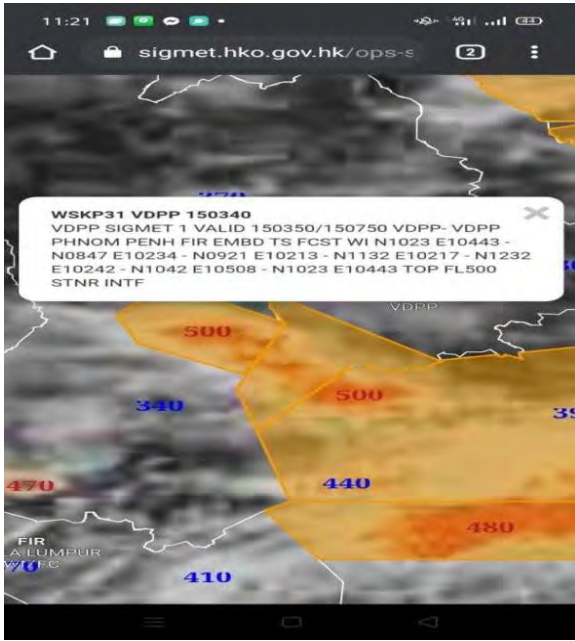
柬埔寨金边飞行情报区重要气象情报发布职责移交仪式

Handover Ceremony of SIGMET Issuance for Phnom Penh FIR of Cambodia

2020年10月15日，视频会议

Online Meeting, October 15th, 2020

时间 Time(UTC)	主题 Topic	主持人 Host
02:00-02:05	视频观看 Video Activities	李毅 (Ms. LI Yi)
02:05-02:10	介绍参会来宾 Welcome and introduction of participants	
02:10-02:20	中国民用航空西南地区空中交通管理局工会主席 车艳彬致辞 Speech given by Mr. MU, Yanbin, Deputy Director General of SWATMB, CAAC	
02:20-02:35	民航西南空管局为柬埔寨金边飞行区制作发布重要气象 情报工作回顾—民航西南空管局气象中心孙霞 Report "Review of the SIGMET Issuance by Southwest ATMB for Phnom Penh FIR of Cambodia", by Ms. SUN, Xia, Meteorological Division of SWATMB, CAAC	
02:35-02:50	柬埔寨民航局运营与技术司司长 H.E Khan Vanna 致辞 Speech given by Mr. H.E Khan Vanna , Director General for Operation and Technical , SSCA	
02:50-03:05	中国民用航空空中交通管理局副局长文学正致辞 Speech given by Mr. WEN, Xuezheng , Deputy Director General of ATMB, CAAC	
03:05-03:10	仪式结束，合影留念 Closing ceremony and taking photos	





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空中交通管理局
Air Traffic Management Bureau, CAAC

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Chaoyang District, Beijing, 100022 China
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Dear Director Vandy Heang,

Re: Handover of SIGMET Issuance for the Phnom Penh (VDPP) FIR

Our cooperation in aeronautical meteorology began on the issuance of SIGMET for the Phnom Penh FIR by Kunming/Chengdu MWO from 1 June 2009, under the bilateral letter of agreement signed by State Secretariat of Civil Aviation of Cambodia (SSCA) and Air Traffic Management Bureau of the Civil Aviation Administration of China (ATMB of CAAC). From then on, the cooperation and technical exchange in aeronautical meteorology between SSCA and ATMB of CAAC have been developed and enhanced. It is pleased to learn that SSCA has built up the capacity for the provision of SIGMET services for the Phnom Penh FIR. I here happily agree your proposed handover of the SIGMET issuance for the Phnom Penh FIR from ATMB of CAAC back to SSCA, effective at 0001 UTC on 15 October 2020.

After the handover of the SIGMET services, ATMB of CAAC would like to continue cooperating with SSCA on aeronautical services in the region. Your continual support to ATMB of CAAC would be greatly appreciated.

Yours sincerely,

(Mr. WEN Xuezheng)
Deputy Director General
Air Traffic Management Bureau
Civil Aviation Administration of China

KINGDOM OF CAMBODIA
NATION RELIGION KING



STATE SECRETARIAT OF CIVIL AVIATION

No : 1949 SSCA

Date: 05 October, 2020

Mr. WEN Xuezheng,
Deputy Director General
Air Traffic Management Bureau, CAAC
No.12, Dongsanhuan Zhonglu,
Chaoyang District, Beijing, China

Subject: Cooperation on Aviation Meteorology, SSCA and ATMB, CAAC for SIGMET Issuance in the Phnom Penh FIR.

Dear Sir,

SSCA would like to thank the Air Traffic Management Bureau of the Civil Aviation Administration of China (ATMB of CAAC), and the Kunming and Chengdu Meteorological Watch Offices, for your help in preparing and issuance SIGMET for the Phnom Penh FIR since on 1st June 2009. Your support in the 11 years was essential for the flight safety in the Phnom Penh FIR.

With the extensive training provided by ATMB of CAAC on SIGMET preparation in the last few years, State Secretariat of Civil Aviation of Cambodia (SSCA) has built up the capacity for the provision of SIGMET services for the Phnom Penh FIR. This cooperation on Aviation Meteorology, SSCA and ATMB of CAAC will be important for our cooperating intimacy as well.

On 15th October 2020 ahead, SSCA will issue SIGMET for Phnom Penh FIR by own state.

After the handover of the SIGMET services, SSCA would like to continue cooperating with ATMB of CAAC for betterment of aeronautical services in the region. Your continual support to SSCA would be greatly appreciated.

Your consideration and approval on this matter is highly appreciated and looking forward.

Yours Sincerely,



H.E MAO Havannal
Minister in Charge of State Secretariat of Civil Aviation,
Kingdom of Cambodia

Ad hoc WS SIGMET test for VDPP MWO

Introduction:

The Air Traffic Management Bureau of the Civil Aviation Administration of China (ATMB of CAAC), and the Kunming and Chengdu Meteorological Watch Office (MWO) have been assisting the issuance of SIGMET for the Phnom Penh FIR in the last 10 years. Bilateral agreements between ATMB of CAAC and the State Secretariat of Civil Aviation of Cambodia (SSCA) proposed that the SIGMET issuance for the Phnom Penh FIR would be handover from ATMB of CAAC back to SSCA on 15th October 2020. In view of that, an ad hoc WS SIGMET tests before the said date is proposed.

Purpose of the SIGMET test:

- To prepare for the handover of SIGMET issuance from ZUUU MWO to VDPP MWO
- To test the compliance of VDPP MWO SIGMET preparation and dissemination of SIGMET messages with the relevant ICAO Standards and Recommended Practices and regional procedures

Participating parties:

- *Meteorological Watch Office (MWO):*
Phnom Penh (ICAO location indicator: VDPP), Hong Kong (ICAO location indicator: VHHH),
Chengdu (ICAO location indicator: ZUUU)
- *Regional OPMET data banks (RODB):*
Bangkok (ICAO location Indicator: VTBB)

Details and procedures for the SIGMET test:

1. SIGMET test date and time
Date: 16 September (Weds)
Time: 02-04UTC
2. WS SIGMET test message (based on Sec7.5 of APAC regional SIGMET guide)

```
WSA1A2ii CCCC YYGGgg  
CCCC SIGMET [n][n]n VALID YYGGgg/YYGGgg CCCC-  
CCCC <name> FIR TEST=
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Template for the SIGMET test:

```
WSKP31 VDPP 160200  
VDPP SIGMET 1 VALID 160205/160215 VDPP-
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