

# CURRENT STATUS OF INDONESIAN SIGMET COORDINATION WITH NEIGHBOURING FIRs

MET/R WG/9,

07 May 2020 and 11 – 14 May 2020

# INTRODUCTION

1.1 The 28th Meeting of Asia/Pacific Air Navigation Planning and Implementation Regional Group (APANPIRG/28) held in 2017 adopted a Conclusion APANPIRG/28/30 to foster SIGMET coordination activities in the APAC region.

## **Conclusion APANPIRG/28/30 - SIGMET coordination in the APAC Region**

That, States and Administrations are encouraged to:

a) Participate in cross-FIR-boundary SIGMET coordination on a bilateral or multilateral basis for seamless hazardous weather information for the benefit of aviation users, as well as advancing the capabilities of participating Meteorological Watch Offices in the issuance of SIGMETs for cross-border hazardous weather phenomena; and

b) Continue to share outcomes from SIGMET coordination activities and consider a step-by-step integration of SIGMET coordination activities in the region when operationally ready.

1.2 SIGMET coordination is subjected to become a recommended practice in the Amendment 79 of ICAO Annex 3, which will become applicable on 5 November 2020

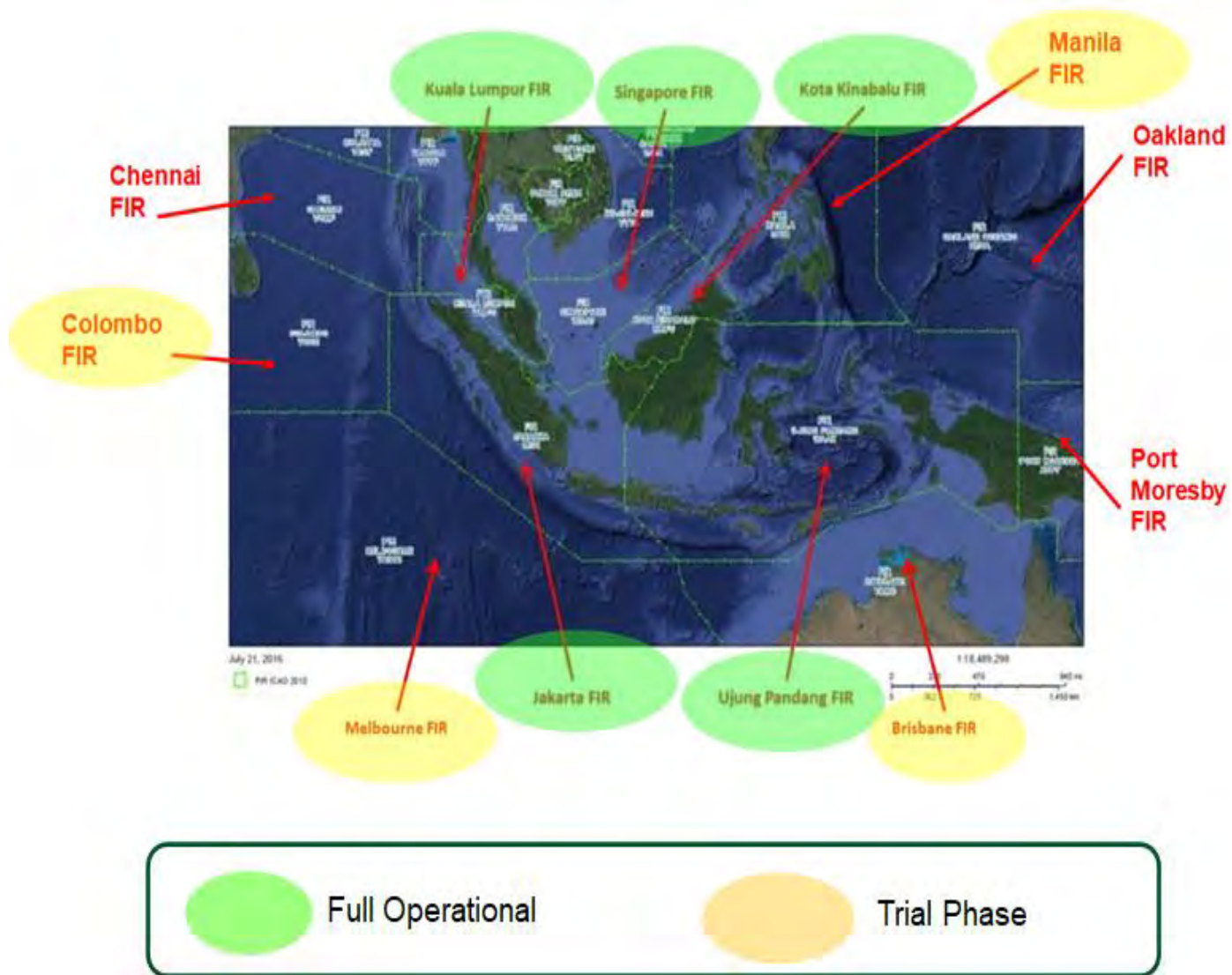


Figure 1. A map showing current status of SIGMET Coordination between Indonesia and the neighbouring FIRs

# CURRENT STATUS

## 2.1 **Singapore (MSS), Malaysia (MMD), and Viet Nam (VATM)**

- Southeast Asia Operational SIGMET Coordination (OSC), coordinated by Singapore
- OSC's Guiding Principles of Cooperation and SIGMET Coordination Procedures
- firstly initiated in 2016, fully operational since August 2017
- Communication means: web-based platforms provided by Japan Meteorological Agency (JMA) and Hong Kong Observatory (HKO)

## 2.2 **Australia (BoM Australia)**

- short-term trial phase-1: on 12 to 25 November 2018, using HKO web-tool
- short-term trial phase-2: using JMA web-tool, scheduled on the next Southern Hemisphere wet season when the thunderstorms move south of the equator.

## 2.3 **Philippines (PAGASA)**

- WV SIGMET coordination during the APAC VOLCEX 19/02 on September 2019

## 2.4 **Sri Lanka (DoMSL)**

- South and South-eastern Asia (SSEA) SIGMET Coordination, coordinated by Hong Kong
- kicked off on 8 November 2019
- Trial period: 2 December 2019 to 1 March 2020
- Participating agencies agreed to further extend the trial for three months to 1 June 2020.

# OUTCOMES

## 2.5

- closer interaction and collaboration with forecasters in the neighbouring FIRs
- positive impact on the SIGMET issuances which would be useful for the aviation users
- improved common situation awareness

## 2.6 Lessons learned have improved:

- understanding of each other's thunderstorm SIGMET criteria of issuance
- getting familiar with the coordination procedures
- consultation process
- meeting the consensus

# FUTURE PLAN

## 2.7 extending the SIGMET harmonization with other neighbouring FIRs

- useful to the end-users to obtain higher quality of information
- to achieve seamless production of SIGMET information across FIR borders

## 2.8 further enhance the trial-phase activities

2.9 forecasters have extended the discussion to not only the thunderstorm coverage, but also other parameters, such as cloud top height and thunderstorm movement

## ACTION BY THE MEETING

- 3.1 Discuss potential SIGMET coordination with other neighbouring FIRs.
- 3.2 Note the information contained in this paper.