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INFORMATION 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)

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Agenda Item 5: Research, development and other initiatives

**INDONESIAN SIGMET COORDINATION PROGRESS WITH
NEIGHBOURING FIRs**

(Presented by Indonesia)

SUMMARY

This paper presents the progress for the development of SIGMET coordination activities between Indonesia and its neighbouring FIRs.

1. 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.

1.2 The ICAO Annex 3 (Amendment 79) provision (para. 3.4.4), with applicability date: 5 November 2020, requires that “An MWO should coordinate SIGMET with neighbouring MWO(s), especially when the en-route weather phenomenon extends or is expected to extend beyond the MWO’s specified area of responsibility, in order to ensure harmonized SIGMET provision.”

1.3 Indonesia FIRs border with ten international FIRs. A number of SIGMET coordination activities has been carried out between Indonesian MWOs and the neighbouring FIRs through MWOs.

2. DISCUSSION

2.1 Indonesia’s specified area of responsibility borders with ten neighbouring States’ MWOs’ areas of responsibility, i.e. Singapore, Kuala Lumpur and Kota Kinabalu (Malaysia), Manila (Philippines), Oakland Oceanic (USA), Port Moresby (PNG), Brisbane and Melbourne (Australia), Colombo (Sri Lanka), and Chennai (India).

2.2 A number of SIGMET coordination activities has been carried out between Indonesia MWOs and the neighbouring MWOs, which include the full operational phase with Singapore (Singapore MWO) and Malaysia (Kuala Lumpur MWO and Kota Kinabalu MWO), semi operational phase with

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Sri Lanka (Colombo MWO), and the trial phase with Australia (Melbourne MWO and Brisbane MWO) and Philippines (Manila MWO). Most of the coordination activities have been focused on thunderstorm SIGMETs and considered to progress forward to other parameters and phenomena.

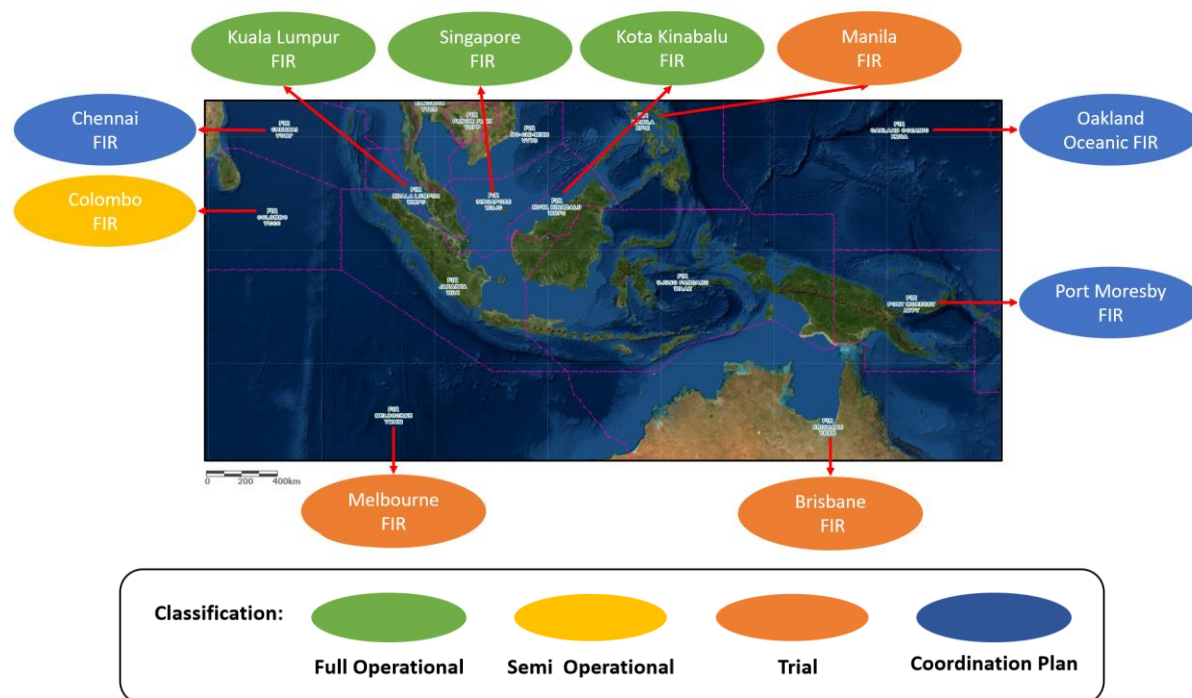


Figure 1. A map showing current status of SIGMET Coordination between Indonesia and the neighbouring FIRs

2.3 Coordination between Jakarta MWO (Indonesia) and Colombo MWO (Srilanka) that is called South and South-Eastern Asia SIGMET Coordination (SSEA) has been carried out semi-operationally. It takes place daily from Mondays to Sundays between the hours of 00 UTC to 15 UTC.

2.4 SIGMET coordination activities have benefited forecasters to have closer interaction and collaboration with the neighbouring MWOs’ forecasters, produce higher quality of SIGMETs, and improve common situational awareness. Lessons learned from the past activities have also improved positively, which include the understanding of each other’s thunderstorm SIGMET criteria as well as the familiarization with the coordination procedures, consultation process and meeting the consensus.

2.5 Regular communication and coordination with the neighbouring MWOs have impacted positively on the better SIGMET issuances which would be useful to the end-users to obtain higher quality of information on hazardous phenomena over the international en-route and to improve aviation safety.

2.6 Indonesia is delighted to investigate the potential expansion its SIGMET coordination efforts to include its remaining neighbouring MWOs as well as to further progress the trial activities and the coordinated phenomena.

3. ACTION BY THE MEETING

3.1 Note the information contained in this paper.
