



International Civil Aviation Organization

**SIXTEENTH MEETING OF THE
COMMUNICATIONS/NAVIGATION/SURVEILLANCE AND
METEOROLOGY SUB-GROUP (CNS/MET SG/16) OF APANPIRG**

Bangkok, Thailand, 23 – 27 July 2012

Agenda Item 19: Any other business

VOLCANIC ACTIVITY REPORT DISSEMINATION SYSTEM

(Presented by Indonesia)

SUMMARY

This paper presents the operational Volcanic Activity Report Dissemination System supporting dissemination volcanic activity report in Indonesia

This paper relates to –

Strategic Objectives:

A: **Safety** - *Enhance global civil aviation safety*

Global Plan Initiatives:

GPI-16 Decision support systems and alerting systems

GPI-19 Meteorological Systems

1. Introduction

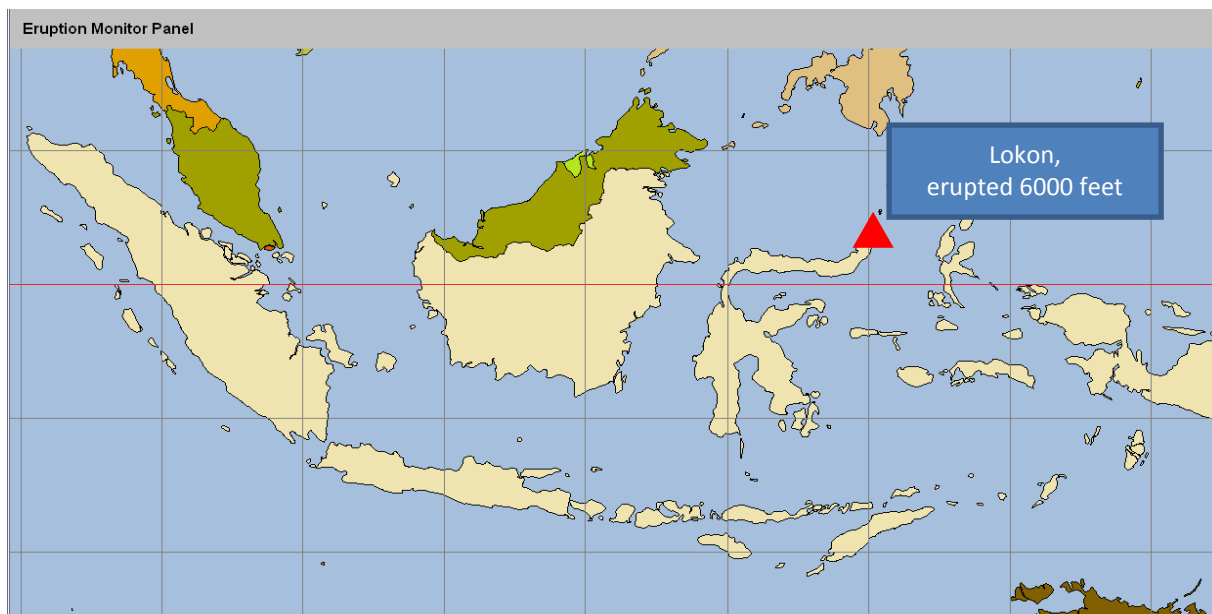
1.1 Since 2010, Indonesian Meteorological, Climatological and Geophysical Agency (BMKG) has signed MoUs (Memorandum of Understanding) with Geology Agency and Indonesian Directorate General of Civil Aviation (DGCA) to strengthen the dissemination of Volcanic Ash activity report for minimizing impact of volcanic eruptions to flight operations;

1.2 Those MoUs arrange obligations of both agencies regarding dissemination of volcanic report. Geology Agency should report to BMKG and DGCA for every volcanic activity.

1.3 In supporting the dissemination of volcanic report, BMKG establish Volcanic Activity Report Dissemination System which officially operated since 1st May 2012 and made its first activation during Lokon Volcano. The system sends warning to BMKG and DGCA promptly once volcanic activity occurs.

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Picture 1. Warning by the system during Lokon Volcano eruption

2. Discussion

2.1 Since its first activation, Volcanic Activity Report Dissemination System has already reported three volcanic activities, during the eruption of Lokon, Sirung and Gamkonora Volcano

2.2 The comparison between volcanic report from Indonesian Volcanic Activity Report Dissemination System and VA advisory from Darwin VAAC are as follows :

Table 1. Volcanic report from VAAC Darwin and Indonesian Volcanic Activity Report Dissemination System (May – June 2012)

Date	VAAC Darwin	Volcanic Activity Report Dissemination System
1 st May 2012	No advisory	Locon Volcano
1 st May 2012	Batu Tara Volcano	No report
8 th – 9 th May 2012	Dukono Volcano	No report
12 th May 2012	Sirung Volcano	Sirung Volcano
14 th – 15 th May 2012	Karangetang Volcano	No report
17 th – 20 th May 2012	Dukono Volcano	No report
22 th May 2012	Batu Tara Volcano	No report
25 th – 30 th May 2012	Dukono Volcano	No report
2 th – 6 th June 2012	Batu Tara Volcano	No report
8 th – 13 th June 2012	Batu Tara Volcano	No report
18 th June 2012	No advisory	Gamkonora Volcano
18 th – 20 th June 2012	Dukono Volcano	No report
24 th – 28 th June 2012	Batu Tara Volcano	No report

2.3 From previous volcanic activities, Volcanic Activity Report Dissemination System has proven its high accuracy and is a reliable system because reports produced the system are generated based on hte last observation conducted by local volcano observatory.

3. Action by the Meeting

3.1 The meeting is invited to:

- a) note the information contained in this paper;
- b) discuss any relevant matters as appropriate;
