
AIC

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REPORTING, RECORDING AND POST-FLIGHT REPORTING OF AIRCRAFT OBSERVATIONS OF VOLCANIC ACTIVITY

1. INTRODUCTION

- 1.1 This AIC is issued in the exercise of the powers conferred under Section 240 of the Civil Aviation Act 1969.
- 1.2 International Civil Aviation Organization (ICAO) encourages States to strictly adhere to ICAO provisions in place for the dissemination of special air-reports on volcanic ash in order to contribute to the efficiency of the International Airways Volcano Watch (IAVW) and the safety of international air navigation.

2. PURPOSE

- 2.1 The purpose of this AIC is to outline the provisions for the dissemination of special air-reports on volcanic ash.

3. SPECIFIC PROVISIONS RELATED TO REPORTING VOLCANIC ASH

3.1 Observations and Reports of Volcanic Activity

- 3.1.1 The occurrence of pre-eruption volcanic activity, volcanic eruptions and volcanic ash cloud should be reported without delay to the associated air traffic services unit, aeronautical information services unit and meteorological watch office. The report should be made in the form of a volcanic activity report comprising the following information in the order indicated:
 - a. message type, VOLCANIC ACTIVITY REPORT;
 - b. station identifier, name if known; and
 - c. concise description of event including, as appropriate, level of intensity of volcanic activity, occurrence of an eruption and its date and time and the existence of a volcanic ash cloud in the area together with direction of ash cloud movement and height.

Note:- Pre-eruption volcanic activity in this context means unusual and/or increasing volcanic activity which could presage a volcanic eruption.

3.2 Post-Flight Reporting of Volcanic Activity.

- 3.2.1 On arrival of a flight at an aerodrome, the completed report of volcanic activity shall be delivered by the operator or a flight crew member, without delay, to the aerodrome meteorological office, or if such office is not easily accessible to arriving flight crew members, the completed form shall be dealt with in accordance with local arrangements made by the meteorological authority and the operator.
- 3.2.2 The completed report of volcanic activity received by a meteorological office shall be transmitted without delay to the meteorological watch office responsible for the provision of meteorological watch for the flight information region in which the volcanic activity was observed.
- 3.2.3 The detailed instructions for recording and reporting volcanic activity observations are given in the PANS-ATM (Doc 4444), Appendix 1. The extract of Appendix 1 paragraph 2 - Special air-report of volcanic activity form (Model VAR) is attached to this AIC.

4. IMPLEMENTATION

- 4.1 Air Operator Certificate holders operating an international commercial air transport are to include in their operations manual the provisions related to reporting volcanic activity (as described in paragraph 3 and 4) effective from the date of this AIC.

5. APPENDIX

- 5.1 The Appendix 1 to this AIC shall be taken, construed, read and be part of this AIC.

DATO' IR KOK SOO CHON
Director-General
Department of Civil Aviation
Malaysia

Special air-report of volcanic activity form (Model VAR) MODEL VAR: To be used for post-flight reporting

Operator: Aircraft identification: Pilot-in-command: Dep. From: Date: Time: UTC
 (as per item 7 of flight plan)
 Arr. At: Date: Time: UTC

Addressee		AIREP SPECIAL			
S e c t i o n 1	1	Aircraft identification			
	2	Position			
	3	Time			
	4	Flight level or altitude			
	5	VOLCANIC ACTIVITY OBSERVED AT (position or bearing and distance from aircraft)			
	6	Air temperature			
	7	Spot wind			
	8	Supplementary information (Brief description of activity including vertical and lateral extent of ash cloud, horizontal movement, rate of growth, etc. as available)			
The following information is not for transmission by RTF					
TICK <input checked="" type="checkbox"/> THE APPROPRIATE BOX					
S e c t i o n 2	9	Density of ash cloud	(a) wispy <input type="checkbox"/>	(b) moderate dense <input type="checkbox"/>	(c) very dense <input type="checkbox"/>
	10	Colour of ash cloud	(a) white <input type="checkbox"/>	(b) Light grey <input type="checkbox"/>	(c) dark grey <input type="checkbox"/>
			(d) black <input type="checkbox"/>		
	11	Eruption	(a) continuous <input type="checkbox"/>	(b) intermittent <input type="checkbox"/>	(c) not visible <input type="checkbox"/>
	12	Position of activity	(a) summit <input type="checkbox"/>	(b) side <input type="checkbox"/>	(c) single <input type="checkbox"/>
			(d) multiple <input type="checkbox"/>	(e) not observed <input type="checkbox"/>	
	13	Other observed features of eruption	(a) lightning <input type="checkbox"/>	(b) glow <input type="checkbox"/>	(c) large rocks <input type="checkbox"/>
			(d) ash fall out <input type="checkbox"/>	(e) Mushrooming cloud <input type="checkbox"/>	(f) nil <input type="checkbox"/>
	14	Effect on aircraft	(a) communications <input type="checkbox"/>	(b) Nav. systems <input type="checkbox"/>	(c) engines <input type="checkbox"/>
			(d) pitot static <input type="checkbox"/>	(e) windscreen <input type="checkbox"/>	(f) windows <input type="checkbox"/>
		(g) nil <input type="checkbox"/>			
15	Other effects	(a) turbulence <input type="checkbox"/>	(b) St. Elmos Fire <input type="checkbox"/>	(c) fumes <input type="checkbox"/>	
		(d) ash deposits <input type="checkbox"/>			
16	Other information	(Add any information considered useful)			