

# INTERNATIONAL CIVIL AVIATION ORGANIZATION

UN Specialized Agency



ICAO



# VOLCEX Exercise

—  
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# VOLCEX Exercise

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**01** Exercise triggers

**02** Actions of the VAAC and MWO

**03** Action of NOFs

**04** Measures to be implemented by ATS and AGA units

# 01

## Exercise triggers

- Two possible triggers:
  - a) Special Airep on Volcanic Ash Cloud Observation.
  - b) VONA emitted by a volcanological observatory.

01

## Exercise Triggers

- **SPECIAL AIREP**
- ARS CMP289 VA CLD OOBs AT 1530Z  
S2934 W06045 FL390



Andes mountain range from airplane -  
Argentina and Chile - YouTube

# 01

## Exercise triggers

## VONA

### *NOTIFICACIÓN DEL OBSERVATORIO DE VOLCANES PARA LA AVIACIÓN*

Emitido	YYMMHHZ (HORA UTC)
Volcán:	Nombre y número del volcán (En la Base de datos de Smithsonian en <a href="http://www.volcano.si.edu/world">http://www.volcano.si.edu/world</a> )
Clave de color aeronáutico	Anexo 15, Apéndice 3 (ASHTAM)
Clave de color anterior (aeronáutico)	
Fuente: Número de notificación	SEGEMAR
Ubicación del volcán:	Latitud, longitud del volcán en formato NOTAM ( SDEG and MIN WDEG and MIN
Área	Una descripción regional o simplemente el Estado
Elevación de la Cima del Volcán	Alturas en metros (y en pies) Ejemplo: 5000 m (16000 ft) de la nube de ceniza expulsada
Resumen de la actividad volcánica	Un breve descripción de la actividad observada en relación a la erupción o pre-erupción
Altura de la nube de ceniza volcánica	Alturas en metros (y en pies) de la nube de ceniza expulsada: Ejemplo: 6500 m (18000 ft)
Otras informaciones relacionadas a las nubes de cenizas volcánicas	
Observaciones	
Contactos	
Próxima notificación	

02

Actions of the  
VAAC and of the  
MWO

### Upon receipt of an ARS

- **The MWO issues the first SIGMET for Volcanic Ash and refers to the VAAC for advice;**
- **VAAC receives the SIGMET, runs its dispersion model and issues the first VAA which contains the affected areas and the corresponding forecast**

## 02 VAAC and MWO Actions

### Upon receipt of a VONA

- **The VAAC receives the VONA, runs its dispersion model and issues the first VAA which contains the affected areas and the corresponding forecasts.**
- **MWOs within the affected area issue SIGMETs and maintain surveillance**
- **VAAC maintains surveillance and updates HAVs as necessary**
- **MWOs issue the corresponding SIGMETs, according to the updates of the VAAs and the results of their own surveillance systems**

# 03

## NOF Actions

### NOF Actions

**Upon receipt of the SIGMET for Volcanic Ash, issued by the MWO:**

- a) Issue the ASHTAM**
- b) Coordinate with the ATS unit the declaration of hazardous and restricted areas.**
- c) Verify with the ATS unit the airways affected by volcanic ash.**



04

Measures to be  
implemented by  
ATS and AGA  
units

### **ATS Units**

- a) Activate the Volcanic Ash Contingency Plan.**
- b) Coordinate with NOF to issue NOTAM to communicate dangerous and restricted areas and affected airways.**

### **AGA Units**

- a) Activate the Volcanic Ash Contingency Plan.**
- b) If necessary, activate COE**

04

Measures to be  
implemented by  
ATS and AGA  
units



Bariloche airport closed due to volcanic ashes ([lagaceta.com.ar](http://lagaceta.com.ar))



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Thanks!