



ICAO

INTERNATIONAL CIVIL AVIATION ORGANIZATION

A UN SPECIALIZED AGENCY

**WACAF workshop on the
provision of information on
volcanic eruptions and ash
clouds**

16 to 20 June 2025



WACAF workshop on the provision of information on volcanic eruptions and ash clouds

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Action to be taken by Area Control Center

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Summary

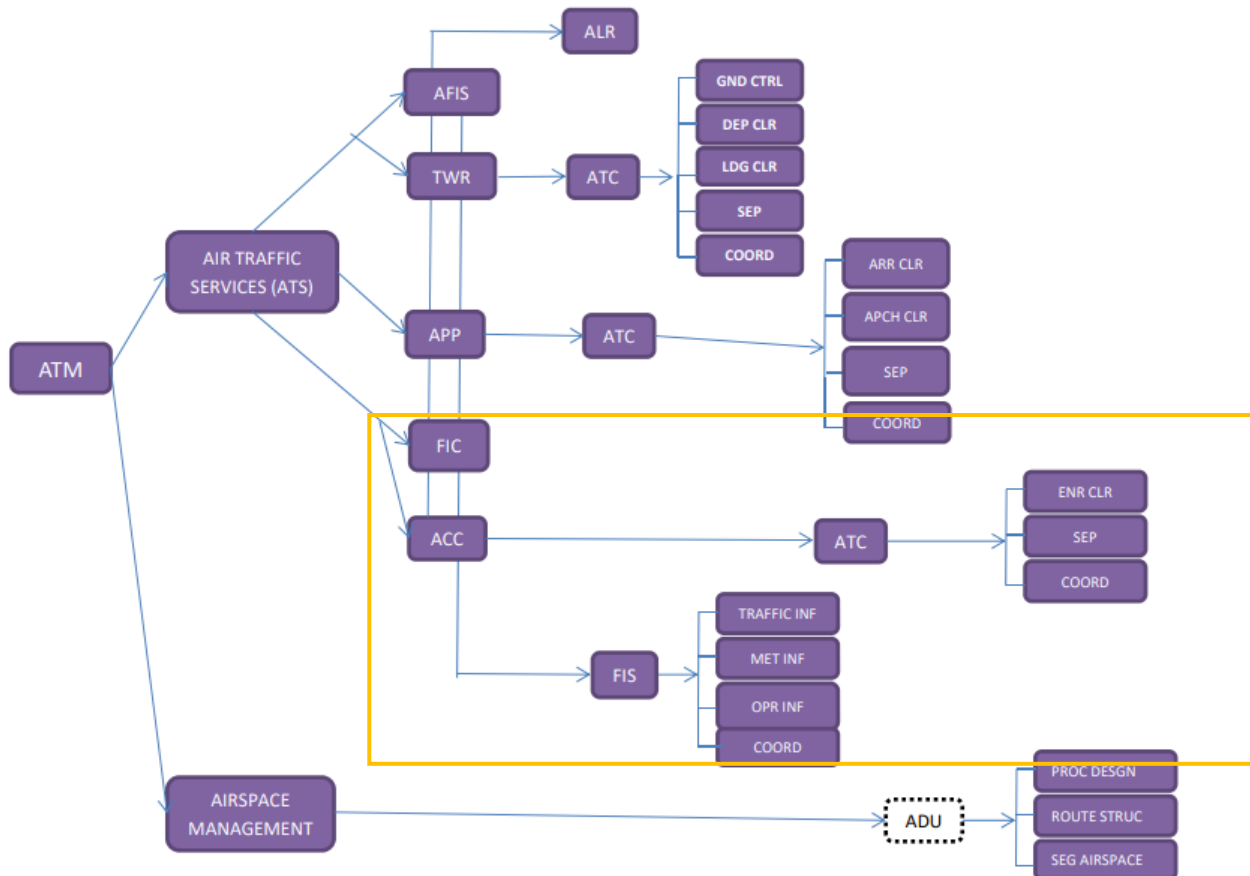
- Roles and Responsibilities of an Area Control Center (ACC).
- Volcanic ash related information exchanged with an ACC/FIC
- Action by ACC/FIC prior and during to volcanic eruption

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Roles and Responsibilities of an Area Control Center (ACC)/Flight Information Center (FIC)

❑ ATM Basic building blocks



ROLES

ACC

- Provides Area Control service:
 - Air traffic control service (ENR Clearance, Separation, coordination)
 - Information service (MET Information, services and facilities status)
 - Alerting service (INCERFA, ALERFA, DETRESFA)

FIC

- provides EN route flight information service:
 - Traffic information
 - MET Information,
 - Operation Information (the status of services and facilities)
 - Coordination
 - Alerting service (INCERFA, ALERFA, DETRESFA)

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Roles and Responsibilities of an Area Control Center (ACC)/Flight Information Center (FIC)

RESPONBILITIES

ACC

- (a) prevent collisions between aircraft
- (b) expedite and maintain an orderly flow of air traffic
- (c) provide advice and information useful for the safe and efficient conduct of flights
- (d) notify appropriate organizations regarding aircraft in need of search and rescue aid, and assist such organizations as required

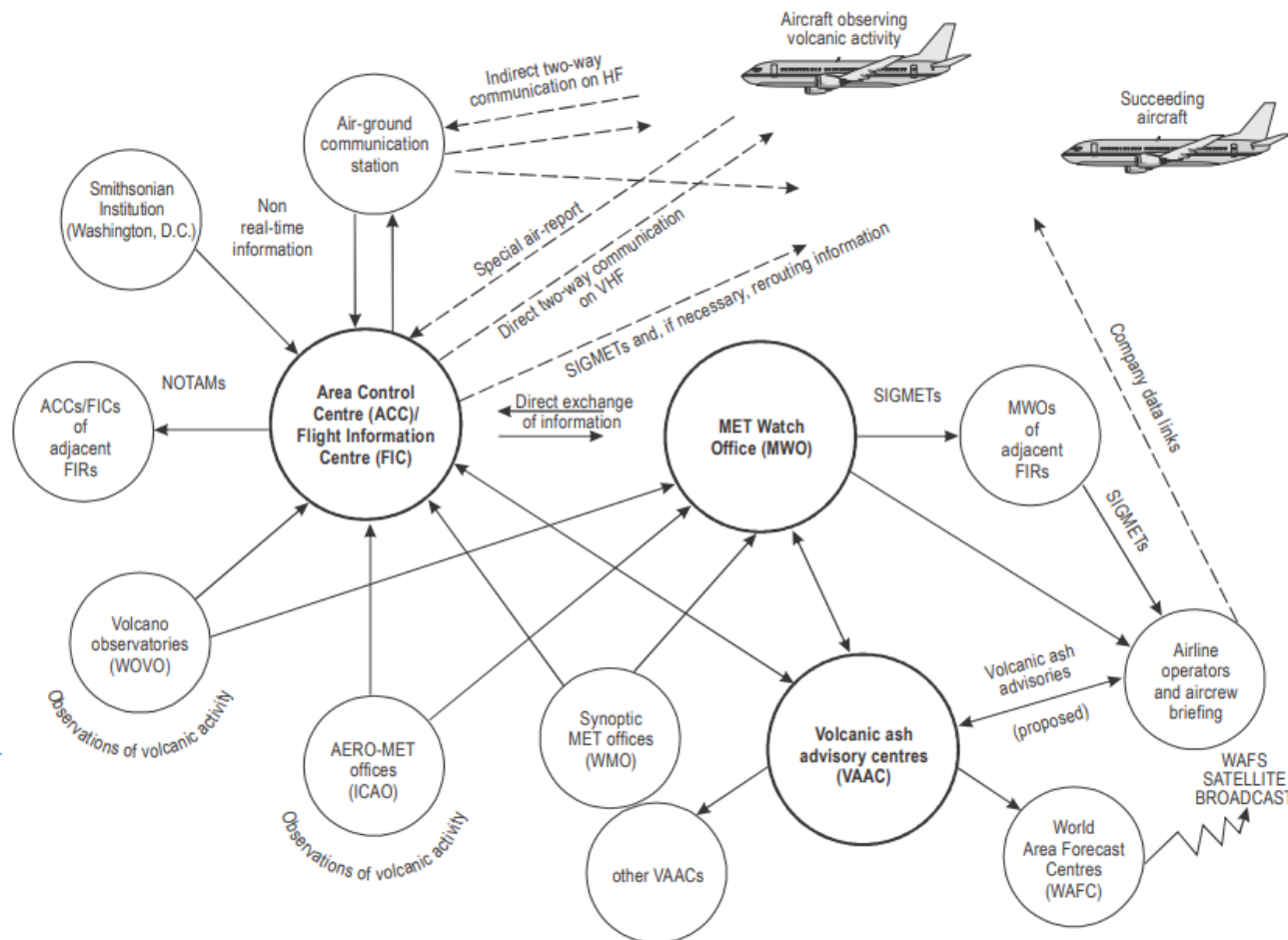
RESPONBILITIES

FIC

- (a) provide advice and information useful for the safe and efficient conduct of flights
- (b) notify appropriate organizations regarding aircraft in need of search and rescue aid, and assist such organizations as required

Volcanic ash related information exchanged with an ACC/FIC

➤ Information exchange ecosystem



- **Volcanic information received from**
 - ✓ **air segment:**
 - Special air report from aircrew
 - ✓ **Ground segment:**
 - SIGMET from MWO, Adjacent FIRs
 - Volcanic activity information from VONA
 - Volcanic advisory information from VAAC
 - NOTAM, ASHTAM Adjacent FIRs
- Volcanic information shared with:
 - ✓ **air segment:** SIGMET, NOTAM/ASHTAM
 - ✓ **Ground segment:**
 - MWO, VAAC: special air report, Volcanic activity
 - Adjacent FIRs: NOTAM/ASHTAM

Action by ACC/FIC prior and during to volcanic eruption

Circumstances: In the event of significant pre-eruption volcanic activity, a volcanic eruption occurring or a volcanic ash cloud being reported in areas which could affect routes used by international flights.

Action 1: Pass this information immediately to aircraft in flight which could be affected by the volcanic ash cloud

Action 2: Accommodate requests for re-routing or level changes to the extent practicable
Advise ACCs/FICs in relevant adjacent FIRs

Action 3: Advise ACCs/FICs in relevant adjacent FIRs

Action 4: Issue an ASHTAM or a NOTAM through the State International NOTAM Office (NOF)

Action by ACC/FIC prior and during to volcanic eruption

Action 5: Activate existing contingency arrangements, in coordination with ACCs/FICs responsible for adjacent FIRs

Action 6: Advise the associated MWO(s) and VAAC of the volcanic eruption and/or the existence of volcanic ash cloud

Action 7: Maintain continuous coordination with the MWO to ensure consistency in the issuance and content of ASHTAMs or NOTAMs and SIGMETs

Action 8: Cancel the ASHTAM or NOTAM as soon as it is considered that the volcano has reverted to its normal state and the airspace is not contaminated by volcanic ash.



Thank you!
Merci beaucoup!