

Volcanic Ash Forecast Transport and Dispersion (VAFTAD) Model

LEAD AGENCY/POINT OF CONTACT: DOC, Mark Andrews, National Weather Service, Aviation Weather Services Branch, 301-713-1726 x109, Mark.Andrews@noaa.gov

TRAINING POINT OF CONTACT: David Weinbrenner, NCEP, 301-763-8000 x7158, david.weinbrenner@noaa.gov

PROGRAM/PROJECT DESCRIPTION: An updated volcanic ash model that can run on output from various models of varying scales and executable on a personal computer. This model will result in improved forecasts of volcanic ash dispersion and will allow better strategic and tactical avoidance of ash clouds.

I. TRAINING REQUIREMENTS:

A. Trainees

B. Skill Level of Designated Trainees

Air Traffic Controllers

⇒ Flight Service Station Journey Level En-Route Flight Advisor Operations Supervisor

⇒ En-Route Journey Level Operations Supervisor

⇒ DoD Controller Journeyman Craftsman

Traffic Managers

Command Center Traffic Management Specialist

Traffic Management Unit Traffic Management Specialist

Dispatchers

Operations Planner Assistant Flight Dispatcher Flight Dispatcher

Chief Dispatcher

National Trans. Safety Board

Accident Investigator

Pilots

⇒ Commercial Flight Engineer First Officer Captain

⇒ General Aviation Student Private Commercial Air Transport Instrument Rated Instructor

⇒ Military Student Line Instructor Examiner

Navigators (DoD)

Student Line Instructor Examiner

DoD Forecasters/Meteorologists

Air Force

⇒ Enlisted Apprentice Journeyman Craftsman

⇒ Civilian Forecaster

⇒ Officer Entry Level Fully Qualified

Navy

⇒ Enlisted Apprentice Forecaster Forecaster Master Forecaster

⇒ Civilian Forecaster

⇒ Officer Accession Forecaster Forecaster

National Weather Service

⇒ Forecasters/Meteorologists Intern Journeyman Senior Forecaster Science and Operations Officer

Warning Coordination Meteorologist Meteorologist-in-Charge

Incident Meteorologist (e.g. Fire Weather)

Center Weather Service Unit Meteorologist

Private Sector

⇒ Forecasters Under Supervision Independent Forecaster Senior Forecaster

Others: State and Local Government Airport Managers

C. Training Required

Familiarization

Refresher Training

Basic Knowledge Basic Task Performance

Intermediate Knowledge Intermediate Task Performance

Advanced Knowledge Advanced Task Performance

II. TRAINING DEVELOPMENT/DELIVERY:

A. Training Program Status

Determination of Training Requirements (Current)

Determination of Training Concept (Current)

Other: Some on-demand training is currently provided in a workshop forum to various customers.

B. Training Method

Computer Based Training (Web-on-line, CD training modules) (workshops)

Other: On-demand workshops

C. Training Delivery Resources

Computer Based Instruction (workshops)

Other: Slide presentation

D. Training Provider

Federal Agency

⇒ NOAA

Other: Alaskan and Washington D.C. Volcanic Ash Advisory Centers (workshops)

E. Training Measurement

No Formal Measurement

F. Training References

Technical References (workshops)

G. Training Completion Documentation

No Documentation Required (workshops)

III. TRAINING IDENTIFICATION/DESCRIPTION

A. Training Identification

Name:

Location: Workshop type training at various locations, on-demand

B. Training Length

8 hours (workshops)

C. Group Size

Minimum: 12 Desired: 12 Maximum: 24

D. Trainer to Trainee Ratio

One trainer for 1 to 6 trainees

E. Point of Contact to Request Training

Name: Bill Alexander

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