

## Volcanic Ash Graphic (VAG)

**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:** A man-machine product that will combine several current graphics and text products into one for analysis and forecasting of ash dispersion. It will provide the Washington Volcanic Ash Advisory Center with an improved graphical analysis and forecast of volcanic ash conditions out to 18 hours.

### **I. TRAINING REQUIREMENTS:**

<b>A. Trainees</b>	<b>B. Skill Level of Designated Trainees</b>
<b>Air Traffic Controllers</b>	
⇒ Flight Service Station	Journey Level <input checked="" type="checkbox"/> En-Route Flight Advisor <input checked="" type="checkbox"/> Operations Supervisor <input checked="" type="checkbox"/>
⇒ En-Route	Journey Level <input checked="" type="checkbox"/> Operations Supervisor <input checked="" type="checkbox"/>
⇒ DoD Controller	Journeyman <input checked="" type="checkbox"/> Craftsman <input checked="" type="checkbox"/>
<b>Traffic Managers</b>	Command Center Traffic Management Specialist <input checked="" type="checkbox"/> Traffic Management Unit Traffic Management Specialist <input checked="" type="checkbox"/>
<b>Dispatchers</b>	Operations Planner <input checked="" type="checkbox"/> Assistant Flight Dispatcher <input checked="" type="checkbox"/> Flight Dispatcher <input checked="" type="checkbox"/> Chief Dispatcher <input checked="" type="checkbox"/>
<b>National Trans. Safety Board</b>	Accident Investigator <input checked="" type="checkbox"/>
<b>Pilots</b>	
⇒ Commercial	Flight Engineer <input checked="" type="checkbox"/> First Officer <input checked="" type="checkbox"/> Captain <input checked="" type="checkbox"/>
⇒ General Aviation (Jet Engine)	Student <input checked="" type="checkbox"/> Private <input checked="" type="checkbox"/> Commercial <input checked="" type="checkbox"/> Air Transport <input checked="" type="checkbox"/> Instrument Rated <input checked="" type="checkbox"/> Instructor <input checked="" type="checkbox"/>
⇒ Military	Student <input checked="" type="checkbox"/> Line <input checked="" type="checkbox"/> Instructor <input checked="" type="checkbox"/> Examiner <input checked="" type="checkbox"/>
<b>Navigators (DoD)</b>	Student <input checked="" type="checkbox"/> Line <input checked="" type="checkbox"/> Instructor <input checked="" type="checkbox"/> Examiner <input checked="" type="checkbox"/>
<b>DoD Forecasters/Meteorologists</b>	
<b>Air Force</b>	
⇒ Enlisted	Apprentice <input checked="" type="checkbox"/> Journeyman <input checked="" type="checkbox"/> Craftsman <input checked="" type="checkbox"/>
⇒ Civilian	Forecaster <input checked="" type="checkbox"/>
⇒ Officer	Entry Level <input checked="" type="checkbox"/> Fully Qualified <input checked="" type="checkbox"/>
<b>Navy</b>	
⇒ Enlisted	Apprentice Forecaster <input checked="" type="checkbox"/> Forecaster <input checked="" type="checkbox"/> Master Forecaster <input checked="" type="checkbox"/>
⇒ Civilian	Forecaster <input checked="" type="checkbox"/>
⇒ Officer	Accession Forecaster <input checked="" type="checkbox"/> Forecaster <input checked="" type="checkbox"/>
<b>National Weather Service</b>	
⇒ Forecasters/Meteorologists	Intern <input checked="" type="checkbox"/> Journeyman <input checked="" type="checkbox"/> Senior Forecaster <input checked="" type="checkbox"/> Science and Operations Officer <input checked="" type="checkbox"/> Warning Coordination Meteorologist <input checked="" type="checkbox"/> Meteorologist-in-Charge <input checked="" type="checkbox"/> Incident Meteorologist (e.g. Fire Weather) <input checked="" type="checkbox"/> Center Weather Service Unit Meteorologist <input checked="" type="checkbox"/> Applied Research Meteorologist <input checked="" type="checkbox"/>
<b>Private Sector</b>	
⇒ Forecasters	Under Supervision <input checked="" type="checkbox"/> Independent Forecaster <input checked="" type="checkbox"/> Senior Forecaster <input checked="" type="checkbox"/>
<b>Others: State and Local Government Airport Managers</b>	
<b>C. Training Required</b>	
Familiarization <input checked="" type="checkbox"/> Refresher Training <input checked="" type="checkbox"/> Basic Knowledge <input checked="" type="checkbox"/> Basic Task Performance <input checked="" type="checkbox"/> Intermediate Knowledge <input checked="" type="checkbox"/> Intermediate Task Performance <input checked="" type="checkbox"/> Advanced Knowledge <input checked="" type="checkbox"/> Advanced Task Performance <input checked="" type="checkbox"/> (Forecasters)	
<b>II. TRAINING DEVELOPMENT/DELIVERY:</b>	
<b>A. Training Program Status</b>	
Determination of Training Requirements <input checked="" type="checkbox"/> (Current) Determination of Training Concept <input checked="" type="checkbox"/> (Current) Other: Some on-demand training is currently provided in a workshop forum to various customers.	
<b>B. Training Method</b>	
Computer Based Training (Web-on-line, CD training modules) <input checked="" type="checkbox"/> (workshops) Other: On-demand workshops	
<b>C. Training Delivery Resources</b>	
Computer Based Instruction <input checked="" type="checkbox"/> (workshops) Other: Slide presentations	

**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 **G. Training Completion Documentation**No Documentation Required **III. TRAINING IDENTIFICATION/DESCRIPTION****A. Training Identification**

Location: Workshop type training at various locations, on demand

**B. Training Length**

8 hours

**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**

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