

## Ceiling & Visibility Forecast/Nowcast Improvement (C&V)

**LEAD AGENCY/POINT OF CONTACT:** DoD, Dr. Wayne Estabrooks, Headquarters USN/N096, 202-762-0272, estabrooks.wayne@hq.navy.mil

**TRAINING POINT OF CONTACT:** Dr. John McCarthy, NRL, 831-656-4753, mccarthy@nrlmry.navy.mil

**PROGRAM/PROJECT DESCRIPTION:** The ultimate goal of this effort is to improve the safety and increase the efficiency of flight operations by algorithms and display products incorporating METAR, model, and satellite data to improve ceiling and visibility forecasts and nowcasts -- uses artificially intelligent fuzzy logic math to examine value added data.

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

**A. Trainees** **B. Skill Level of Designated Trainees**

#### **Air Traffic Controllers**

⇒ Flight Service Station	Operations Supervisor <input checked="" type="checkbox"/>
⇒ En-Route	Operations Supervisor <input checked="" type="checkbox"/>
⇒ Terminal (Radar Control/Tower)	Operations Supervisor <input checked="" type="checkbox"/>
⇒ DoD Controllers	Craftsman <input checked="" type="checkbox"/>

#### **DoD Forecasters/Meteorologists**

##### **Air Force**

⇒ Enlisted	Journeyman <input checked="" type="checkbox"/> Craftsman <input checked="" type="checkbox"/>
⇒ Civilian	Forecaster <input checked="" type="checkbox"/>
⇒ Officer	Fully Qualified <input checked="" type="checkbox"/>

##### **Navy**

⇒ 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	Forecaster <input checked="" type="checkbox"/>

#### **National Weather Service**

⇒ 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"/> Hydro-Meteorological Technician <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"/>
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### **C. Training Required**

Familiarization  Basic Knowledge

### **II. TRAINING DEVELOPMENT/DELIVERY:**

#### **A. Training Program Status**

Determination of Training Requirements  current      Determination of Training Concept  current

#### **B. Training Method**

Computer Based Training (Web-on-line, CD training modules)       On-the-job Training (Operational Area)

#### **C. Training Delivery Resources**

Computer Based Instruction

#### **D. Training Provider**

⇒ NCAR

#### **E. Training Measurement**

No Formal Measurement

#### **F. Training References**

Product Description Document/Guide

#### **G. Training Completion Documentation**

Individual Training Records

### **III. TRAINING IDENTIFICATION/DESCRIPTION**

#### **A. Training Identification**

Location: NCAR

#### **B. Training Length** **TBD**

#### **C. Group Size** **TBD**

#### **D. Trainer to Trainee Ratio** **TBD**

#### **E. Point of Contact to Request Training**

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