

## Global Theater Weather Analysis and Prediction System (GTWAPS)

**LEAD AGENCY/POINT OF CONTACT:** DoD/Col Mark Welshinger, HQ/USAF, Directorate of Weather/ 703-696-4930 (DSN 426), mark.welshinger@pentagon.af.mil

**TRAINING POINT OF CONTACT:** Jerry Wegiel, Headquarters Air Force Weather Agency, Applied Technology Division, 402-294-3893 (DSN 271), jerry.wegiel@afwa.af.mil

**PROGRAM/PROJECT DESCRIPTION:** The GTWAPS program provides an open, expandable system for advanced target-scale numerical weather modeling capability consisting of a suite of IBM hardware running the Mesoscale Model 5 model. It generates ~1500 aviation/maneuver impact variables in 74 geographical regions and generates visualization products in support of Army and Air Force operations.

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

<b>A. Trainees</b>	<b>B. Skill Level of Designated Trainees</b>
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<b>DoD Forecasters/Meteorologists</b>	
<b>Air Force</b>	
⇒ Enlisted	Journeyman <input checked="" type="checkbox"/> Craftsman <input checked="" type="checkbox"/>
⇒ Civilian	Forecaster <input checked="" type="checkbox"/>
⇒ Officer	Fully Qualified <input checked="" type="checkbox"/>
<b>University/Laboratory</b>	Research Scientist <input checked="" type="checkbox"/>

### **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**

Periodic Updates and Reviews  (Current)

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

Computer Based Training (Web-on-line, CD training modules)  Formal Classroom (Lecture/Discussion)   
 Self-study (Text, Videotape)  On-the-job Training (Operational Area)  Contractor provided with system delivery on site

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

Computer Based Instruction  Operational Product  Operational System

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

Contractor (manufacturer)   
 Non-Government Organizations  
 ⇒ NCAR  (for software improvements)

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

No Formal Measurement

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

Technical References   
 Product Description Document/Guide   
 System Manuals

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

Individual Training Records

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

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

Other Identification: GT WAPS  
 Location: Air Force Weather Agency

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

80 hours

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

Minimum: 1 Desired: 6 Maximum: 7

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

One trainer for 1 to 6 trainees

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

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