Integrated Terminal Weather System (ITWS)

LEAD AGENCY/POINT OF CONTACT: Kevin Young, FAA/AUA-460, 202-366-9207, kevin.young@faa.gov

TRAINING POINT OF CONTACT: Benn Deans, FAA, AUA/460, 202-366-9905, benn.deans@faa.gov

PROGRAM/PROJECT DESCRIPTION: A primary tool for terminal air traffic management personnel to obtain, process, and display current and predictive weather information (alphanumeric and graphical). ITWS provides current terminal weather information and 30-minute forecast products. It generates products such as wind shear and microburst predictions, storms cell and lightning information, terminal area winds aloft, runway winds, and short-term ceiling and visibility predictions. ITWS integrates data from various sensors (e.g. TDWR, ASR, NEXRAD, LLWAS, ASOS)

I. TRAINING REQUIREMENTS:

A. Trainees	B. Skill Level of Designated Trainees
Air Traffic Controllers	
⇒ Terminal (Radar Control/Tower)	Developmental ☒ Journey Level ☒ Operations Supervisor ☒
Traffic Managers	Command Center Traffic Management Specialist ☒
	Traffic Management Unit Traffic Management Specialist ☒
Dispatchers	Operations Planner ☒ Assistant Flight Dispatcher ☒ Flight Dispatcher ☒
	Chief Dispatcher ☒

C. Training Required

Intermediate Knowledge ☒ Intermediate Task Performance ☒
Advanced Knowledge ☒ Advanced Task Performance ☒

II. TRAINING DEVELOPMENT/DELIVERY:

A. Training Program Status

Initial Course Validation ☒ (current, first article deliveries)
Training Implementation ☒ (on-site, train the trainer)
Other: CBI for future on-site training under development

B. Training Method

Computer Based Training (Web-on-line, CD training modules) ☒
Formal Classroom (Lecture/Discussion) ☒
Laboratory (Demonstration/Performance, Research Lab) ☒
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) ☒ (TRW/ACS)
⇒ FAA ☒

E. Training Measurement

Written (e.g. multiple choice, fill in blanks) ☒
Performance (task performance and evaluation) ☒

F. Training References

Technical References ☒ Product Description Document/Guide ☒ System Manuals ☒
Lesson Plans ☒ Measurement Materials ☒

G. Training Completion Documentation

Individual Training Records ☒

III. TRAINING IDENTIFICATION/DESCRIPTION

A. Training Identification

Location: On site, first article train the trainer (CBI for future on-site training)

B. Training Length

Number of Days: (3 day for first article deliveries, train the trainer)
Number of Hours: 8 hours for future CBI, on site

C. Group Size

Minimum: 6 (1 for future CBI) Desired: 6 (1 for future CBI) Maximum: 10 (1 for future CBI)

D. Trainer to Trainee Ratio

No trainer required (e.g. self study) ☒ (future CBI)
One trainer for 1 to 6 trainees ☒ (on-site first article training)

E. Point of Contact to Request Training

Name: Diane Murray Organization: TRW
Phone Number: 202-314-1224 E-mail Address: diane.ctr.murray@faa.gov