

Terminal Convective Weather Forecast (TCWF)

PROGRAM.PROJECT: Aviation Weather Research Program/Convective Weather Product Development Team,
[<http://www.faa.gov/aua/awr/>]

LEAD AGENCY/COLLABORATING AGENCIES: Federal Aviation Administration (FAA) and the Massachusetts Institute of Technology, Lincoln Laboratory (MITLL)

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SERVICE AREA(S)/INITIATIVE(S)

- *National Aviation Weather Initiatives:*
2: 7, 12

FUNDING

- *Programmed/Planned (\$'s/FY):* /FY04

TYPE OF PROGRAM/APPLICATION

R&D/Product Development

SCOPE OF PROGRAM/PROJECT

- *What's being developed, procured, etc.:* automated forecasts of convection at selected, high density terminal areas for FAA traffic managers.
- *How operations will be changed/improved:* provides vital convective weather information to air traffic managers for their use in air traffic flow management decision making and thereby improve the safety and efficiency of the Nation's air traffic operations.

PROGRAM/PROJECT MANAGEMENT

- *Basic guidance document for this program:* FAA Convective Weather Product Development Team Technical Direction.
- *Program/Project verification process:* Monthly and quarterly reporting; semi-annual program reviews, RE&D advisory committee project assessments, science panel reviews; use of test beds for demonstrations and evaluations.
- *Method used for end product validation:*
- *Operational training for the user:* Hands-on training provided for terminal area users.

SCHEDULE/IMPLEMENTATION

- *Next major program milestone:* N/A
- *When program will become operational:* FY05- First generation TCWF operational in ITWS.
- *Plans for further improvements:* FY04- Algorithm refinement; FY06- Implement 2-hour product.