

## Lightning Position and Tracking System (LPATS)

**PROGRAM/PROJECT:** Lightning Position and Tracking System (LPATS)

**LEAD AGENCY:** United States Navy (USN - Commander, Naval Meteorology and Oceanography Command (CNMOC))

**LEAD AGENCY POINT OF CONTACT:** CAPT Jose F. H. Atangan, N5, 228-688-4500, atanganj@cnmoc.navy.mil

**PROGRAM POINT OF CONTACT:** Ms. Sharon Madere, 228-688-5171, maderes@navo.navy.mil; Ms. Shelli Ladner, 228-688-4686, ladners@navo.navy.mil

### **SERVICE AREA (S)/INITIATIVE (S)**

- *National Aviation Weather Initiatives:*  
2: 5, 9

### **FUNDING**

***Programmed/Planned (\$'s/FY):*** Funded through FY05 for life cycle maintenance

### **TYPE OF PROGRAM/APPLICATION**

Product Development

### **SCOPE OF PROGRAM/PROJECT**

- *What's being developed, procured, etc:* commercially available system for lightning detection that can be deployed at remote locations.
- *How operations will be changed/improved:* accurate location of lightning strikes is important for safe aviation ground operations during convective storms.

### **PROGRAM/PROJECT MANAGEMENT**

- *Basic guidance document for this program:* Sponsor (CNMOC) approved Project Management Plan.
- *Program/Project verification process:* Requirements Trace matrix validation and verification by ISEA (NAVO) with concurrence from both the Sponsor (CNMOC) and end users at the selected Operational field testing facilities/sites.
- *Method used for end product validation:* End product validation was accomplished via requirements validation, and integration testing conducted at selected operational sites.
- *Operational training for the user:* Operational training for all end users and operational sites was conducted during initial system deployment. Additional training materials can be found in the LPATS user's guide.

### **SCHEDULE/IMPLEMENTATION**

- *Next major program milestone:* Program is in the lifecycle management phase, no additional milestones exist.
- *Program becomes operational:* LPATS is currently an operational commercial system.
- *Plans for further improvements:* NO further improvements are planned; program is strictly a lifecycle management program. Lifecycle management will continue until functionality can be assumed by future system possibly NITES III. ETD for NITES III is the end of FY05.