

Remote Automated Weather Sensor (RAWS)

PROGRAM/PROJECT: Remote Automated Weather Sensor (RAWS)

LEAD AGENCY: United States Navy, Naval Meteorology and Oceanography Command (CNMOC), Naval Oceanographic Office (NAVO)

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SERVICE AREA (S)/INITIATIVE (S)

- *National Aviation Weather Initiatives:*
1: 7

FUNDING

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

TYPE OF PROGRAM/APPLICATION

Product development

SCOPE OF PROGRAM/PROJECT

- *What's being developed, procured, etc:* fixed, shore-based sensor suite to collect remote environmental data that communicates back to regional site that will store and process the data.
- *How operations will be changed/improved:* improves the ability of a weather office to forecast for a remote, data-sparse area.

PROGRAM/PROJECT MANAGEMENT

- *Basic guidance document for this program:* Sponsor (CNMOC) and NAVO approved Project Management Plan. Future install locations are determined from sponsor's requirement collection.
- *Program/Project verification process:* Requirement Trace Matrix (RTM) used to ensure that requirements that were designated for the system are included within the implementation phase of the project.
- *Method used for end product validation:* A Systems Operation and Verification Test (SOVT) is performed at completion of installation to ensure that all that was intended to be installed is functioning and is what was originally planned.
- *Operational training for the user:* A combination of training during installation and system administrator training occurs after the installation. Additional training materials are included in distribution media (i.e. vendor documentation).

SCHEDULE/IMPLEMENTATION

- *Next major program milestone:* Transition of all current RAWS systems to Configuration Managed system.
- *Program becomes operational:* RAWS is an operational system.
- *Plans for further improvements:* Centralized data collection and transmission to local web servers, thereby eliminating most of the system administrative tasks at the RAWS sites. Also, inclusion of camera system to give a visual, panoramic, representation of the surroundings.