

Naval Integrated Tactical Environmental Subsystem (NITES)

PROGRAM/PROJECT: Tactical Environmental Support System/Naval Integrated Tactical Environmental Subsystem, AN/UMK-4(V)

LEAD AGENCY: United States Navy (USN – Office of the Oceanographer of the Navy (CNO N096))

LEAD AGENCY POINT OF CONTACT: CDR Cory Springer, CNO N962C, 202-762-0260, cory.springer@navy.mil

PROGRAM POINT OF CONTACT: Mr. Carl Robbins, PEO C4I & Space (PMW-150), 619-524-7918, carl.robbs@navy.mil

SERVICE AREA (S)/INITIATIVE (S)

- *National Aviation Weather Initiatives:*
N/A

FUNDING

- *Programmed/Planned (\$'s/FY):* Funded thru FY05

TYPE OF PROGRAM/APPLICATION

Product Improvement.

SCOPE OF PROGRAM/PROJECT

- *What's being developed, procured, etc:* Improvements to human machine interface (HMI) for data receiving, storing, processing, display, and communication. GOTS/COTS hardware upgrades. NITES II Object-Oriented Re-design and upgrades to all the Meteorological/Oceanographic (MetOc) Tactical Decision Aids.
- *How operations will be changed/improved:* Improved support to detect, monitor and assess the conditions of the physical environment from the bottom of the seabed to the top of the atmosphere. This includes decision tools to aid decision-makers (Warfare Commanders) on chemical, biological, radiological and nuclear (CBRN) contaminants spread and weapons, sensors, communications, and ISR systems performance.

PROGRAM/PROJECT MANAGEMENT

- *Basic guidance document for this program:* Operational Requirements Document for TESS/NITES (369(01)-096-99). DII COE. Acquisition Decision Memorandum (2) 22 Dec 99 and 08 Apr 00.
- *Program/Project verification process:* Annual Program Reviews and MetOc System Lab (SPAWAR) Integration & Testing.
- *Method used for end product validation:* Standardized Systems Operation and Verification Test (SOVT) (ashore/afloat) for NITES (V).
- *Operational training for the user:* NITES System Operators Course onboard OA Division Ships and the Professional Development Detachments San Diego, CA and Norfolk, VA

SCHEDULE/IMPLEMENTATION

- *Next major program milestone:* III (Production, Fielding/Deploying and Operational Support) to continue replacing NITES 2000 with NITES 2002 'Systems.'
- *Program becomes operational:* NITES 2000 and 2002 (V) are operational systems.
- *Plans for further improvements:* Web-based technology and applications. Improved METOC Database and data acquisition, assimilation, application and distribution. Replace Joint MetOc Viewer with "LEADS." Continue upgrade of GOTS/COTS hardware and software applications.