

Tactical Environmental Data Services (TEDS)

PROGRAM/PROJECT: Tactical Environmental Data Services (TEDServices)

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

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SERVICE AREA (S)/INITIATIVE (S)

- *National Aviation Weather Initiatives:*
N/A

FUNDING

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

TYPE OF PROGRAM/APPLICATION

Product Improvement

SCOPE OF PROGRAM/PROJECT

- *What's being developed, procured, etc:* TEDS is a revolutionary new, scaleable and modular web services 4-dimensional environmental data repository (4D Cube) designed to support joint Warfighters, Weapon Systems, and Expert MetOc data users. It includes a middleware infrastructure that enables the bi-directional interoperable transport and transform of data, consistent with WGS84 datum and universal time coordinate (UTC) facilitated by a MetOc/Mission Rules Based Relevant Data Ordering scheme.
- *How operations will be changed/improved:* TEDS operational objective is to reduce bandwidth consumption by 70%. TEDS will accomplish this objective by employing improvements in data representation, data transport and data ordering.

PROGRAM/PROJECT MANAGEMENT

- *Basic guidance document for this program:* N096 Operational Concept dated April 2002.
- *Program/Project verification process:* TEDS is currently being developed under the NITES program and a product improvement effort.
- *Method used for end product validation:* TEDS is currently in development and is slated for transition (as part of NITES) in FY04.
- *Operational training for the user:* A contractor will be selected to perform project/product transition in FY04. The contractor will provide training during installation. Post installation support and training will be provided by the NITES ISEA, SPAWAR-SSC (Code S2642).

SCHEDULE/IMPLEMENTATION

- *Next major program milestone:* Operational testing at a Regional Center is slated for June 2004.
- *Program becomes operational:* Fourth quarter, FY04.
- *Plans for further improvements:* TEDS will continue to evolve; incorporating new data sources and data types.