Composite Tracking Network (CTN)

DESCRIPTION

The CTN system is an adaptation of the U.S. Navy's Cooperative Engagement Capability (CEC) Cooperative Engagement Transmission Processing Set (CETPS) designed to meet USMC requirements. CTN will provide a sensor-netting capability that will allow the Marine Corps to participate in a cooperative engagement environment. The system will be able to receive, generate, and distribute composite sensor data to command-and-control and weapons platforms. CTN will be comprised of durable, scaleable, and modular components that meet the operational requirements of Expeditionary Maneuver Warfare. It will be employed by the MACCS and provide information to the network that is derived from its organic sensors, as well as use information from other forces sensors, improving real-time situational awareness. Specific Marine Air Control Group (MACG) units that will operate and maintain the system include, but are not limited to, the Marine Air Control Squadron (MACS) and the Low Altitude Air Defense Battalion (LAAD Bn).

OPERATIONAL IMPACT

CTN facilitates broader air coverage of the battle force against all airborne threats. It enables land-based systems to expand the common air situational picture and facilitate a broad-based, wide-area, land and air defense posture in support of the joint force commander and Expeditionary Maneuver Warfare.

PROGRAM STATUS

Initial operational capability is planned for FY 2007. Component procurement is scheduled to begin in FY 2005.

PROCUREMENT PROFILE:	FY03	FY04
Quantity:	0	0

DEVELOPER/MANUFACTURER

Hardware: Raytheon E-Systems, St.Petersburg, FL
Software: John Hopkins University Applied Physics Laboratory, Laurel, MD
CEC Systems Integration: Hardware: NSWC, Crane, IN