

COMPOSITE TRACKING NETWORK

DESCRIPTION

The Composite Tracking Network (CTN) is an adaptation of the US Navy's Cooperative Engagement Transmission Processing Set (CTEPS), modified to meet Marine Corps requirements. CTN will provide a sensor netting capability that will allow the Marine Corps to participate in a cooperative engagement environment. CTN will be able to receive, generate, and distribute composite sensor data to C2 and weapons platforms. Consisting of durable, scaleable, and modular component, the CTN system will be employed by the MACCS and provide information to the network. This information will be derived from its organic sensors and those of other forces, 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 their common air situational picture. CTN facilitates a broad-based, wide-area land and air defensive posture in support of joint tactical commanders and Expeditionary Maneuver Warfare.

PROGRAM STATUS

CTN's initial operational capability is planned for FY 2007.

PROCUREMENT PROFILE:

Quantity:

FY04

0

FY05

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