

Air Operations

Common Aviation Command And Control System (CAC2S)

Description

The CAC2S will provide a capability that allows operators to integrate Marine aviation into Joint and combined air/ground operations in support of Expeditionary Maneuver Warfare (EMW), Ship to Objective Maneuver (STOM), Sustained Operations Ashore (SOA), and Other Expeditionary Operations (OEO). The CAC2S will provide tools that perform aviation command and control (C2) planning and execution functions in a positive control environment. It will specifically provide a common suite of tactical facilities, equipment, and interfaces for a system that will replace the legacy C2 equipment currently associated with the Tactical Air Command Center, Tactical Air Operations Center Detachment, Air Traffic Control Detachment, Direct Air Support Center, Direct Air Support Center, Airborne, and the Low Altitude Air Defense Battalion. The CAC2S does not include replacing the air defense weapons or sensors organic to the Marine Air Command and Control System.

The CAC2S will be comprised of tactical facilities, hardware, and software, and will significantly reduce the physical size and logistical footprint of the existing MACCS equipment suites. The CAC2S hardware components will be modular and man portable. Further, components of the CAC2S will be capable of being assembled in a variety of shelter configurations including High Mobility Multipurpose Wheeled Vehicle transport shelters, tactical shelters, general purpose tents, bunkers, and available civilian or military facilities. The CAC2S will provide the means to scale capability up or down by arranging individual communications, processing and display, sensor interface, and shelter modules to the CAC2S system as mission requirements dictate.

Operational Impact

CAC2S will provide the Aviation Combat Element commander with the necessary hardware, software, equipment, and facilities to effectively command, control, and coordinate air operations. CAC2S will integrate agency functions into a standardized equipment and software application set. Embedded within is an open systems design that will mandate interoperability.

Program Status

Plans are for Increment I IOC in FY06 and FOC in FY08. Increment I includes Hardware and Software Replacement for the TAOC Air Operations Node and the Tactical Air Operations Module.

Procurement Profile: FY01 FY02

Quantity: 0 0

Developer/Manufacturer

TBD