

Unit Operations Center (UOC)

Description

The UOC is comprised of Command Centers (CCs) and Combat Operation Centers (COCs). The COC will provide a centralized facility to host Command and Control (C2) functionality for the Command Element (CE), Ground Combat Element (GCE), Air Combat Element (ACE) and the Combat Service Support Element (CSSE). The COC is scalable and supports command echelons for battalion and above. The present procurement objective is concentrating on the GCE initially, to be followed by the CE, ACE, and CSSE. It will provide shelter/tentage, power, cabling, LAN and processing systems to facilitate employment/deployment of C2 mission applications. COC will support information exchange during OMFTS, Sustained Operations Ashore (SOA) and Other Expeditionary Operations (OEO) to enable interaction and flow of information between staff members.

The COC will provide the servers to host applications required by the commander. These applications include the Global Command and Control System (GCCS), Tactical Combat Operations (TCO), Intelligence Analysis System (IAS), Advanced Field Artillery Tactical Data Systems (AFATDS), and Theater Battle Management Core System (TBMCS). The COC will connect to the Tactical Data Network for Digital Message System (DMS) services.

Operational Impact

The COC will be employed as a deployable, modular, reconfigurable, C2 system. The COC will be able to receive and transmit data and voice communications and will provide the commander with a Common Tactical Picture (CTP) to support staff planning and analytical and intuitive decision making. The direction and control of unit operations will be exercised primarily through this center.

Program Status

The UOC is following an Evolutionary Acquisition (EA) approach. Early Operational Assessment of two COC prototypes defined the heavy variant HMMWV (H-HMMWV) with mounted shelter, onboard generator and ECU, and two tents as one of the basic "building blocks." Upgrades and additional prototypes will define additional building blocks to satisfy the C2I and transportation requirements of each echelon. Following Milestone II, the current target is for an integration prime to be selected in mid FY02.

Procurement Profile: FY01 FY02

<i>Quantity:</i>	<i>0</i>	<i>0</i>
------------------	----------	----------

Developer/Manufacturer

Initial Prototypes — Naval Warfare (SPAWAR) Systems Center, Charleston, SC

Final Prototypes — Naval Research Lab (NRL)

EMD, LRIP, Production Prime Contractor — TBD