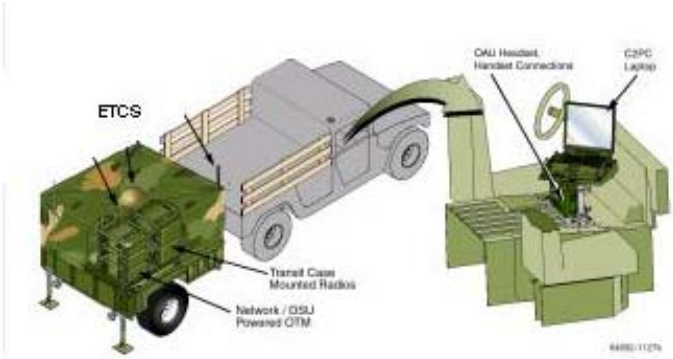
On the Move Digital Combat Operations Center

Purpose: To provide an On the Move (OTM), Over the Horizon (OTH) Digital Combat Operations Center (DCOC) to the infantry battalion commander for surface and vertical employment during *Ship to Objective* Maneuver *(STOM)*.

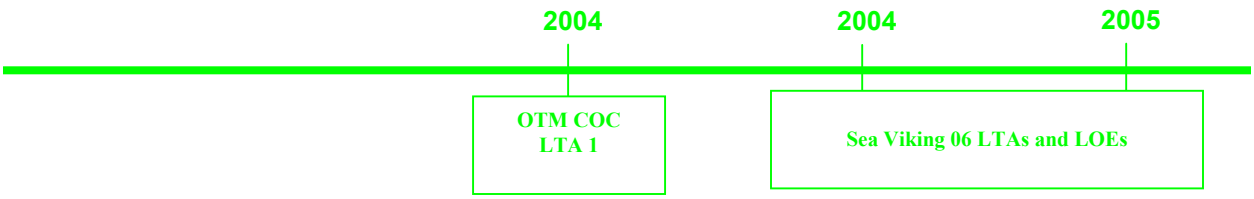


Background: STOM operations require the ability to rapidly maneuver over an expanded littoral battlespace. The STOM battlespace is non-linear, without secure rear unit COCs. This environment requires COCs that can operate OTM, both voice and data. Since the command element COC is seabased, they will also require OTH communications. The Lab's *Sea Viking*, STOM focused experimentation, will require an OTM/OTH COC capability both for experimentation in a 2006 Limited Objective Experiment. In order to provide this capability, the Lab is partnering with Marine Corps Systems Command (MCSC), the Office of Naval Research (ONR) and industry to develop an experimental OTM/OTH DCOC.

Description: The Lab is partnering with MCSC's Unit Operations Center (UOC) and Advance Amphibious Assault Vehicle programs, ONR's Littoral Combat Power Projection Future Naval Capability program, and General Dymanics to explore integration of the Lab's OTH Expeditionary Tactical Communications System (ETCS) and on the move capable C2 systems (C2PC/AFATDS) into battalion COC platforms. Platform options are an integrated towed trailer COC and multiple wirelessly connected HMMWVs/ Interim Fast Attack Vehicles (IFAV). In addition to COC platforms, this effort will integrate ETCS into a CH-53E. Helicopter integration will enable voice/data communications by the battalion or company commander while enroute to the objective. Integration of ETCS and ruggedized tablet PCs into the HMMWV/IFAV will provide OTH/OTM communications to the surface and vertical assault company commander.

Deliverable Products: TBD

Milestones:



Action Officer: 571-220-4440