



USMC OOS DEVELOPMENT

14 April 2004



BACKGROUND

- **The Combined Arms Staff Trainer (CAST) Upgrade program is an Advanced Concepts Technology Demonstration (ACTD) initiative to demonstrate the training enhancements afforded to the United States Marine Corp by current modeling and simulation technologies at the Twentynine Palms, California CAST facility**
- **CAST Upgrade system is being developed in four blocks spanning out to FY09**
- **Block A development recently concluded with a concept demonstration occurring in January 04**
- **Block A was an OTB-based system**
- **As part of current Block B activity, the CAST program is transitioning from OTB to OOS**



Army and USMC OOS Coordination

- **USMC OOS team is closely coordinated with the Army OOS team to allow full reuse of models and tools provided by Army OOS and to ensure USMC requirements are considered where appropriate and in a timely manner**
- **Army and USMC OOS Teams defined integrated schedule per the OOS co-developer plan**
 - **Army OOS team provides their I&T baseline to USMC OOS team, USMC is currently working against the Army Build 18 I&T baseline**
 - **USMC OOS team will provide two software handovers to the Army OOS Team, one in July and one in October**



USMC OOS Development for June 04

- **USMC team will demonstrate initial OOS-based system in June 04, demonstration is geared towards the FiST LAR**
 - **USMC team currently using the OOS Composition tools to generate model compositions for 15 entities, 40 units, and munitions (includes AAVs, LAVs, and FWAs)**
 - **USMC team will reuse existing OOS Tools to include the Management and Control Tool**
 - **USMC team will reuse existing OOS external interfaces to include AFATDS and C2PC**



USMC OOS Development for end of FY04

- **Physical/Entity/Unit Modeling**
 - Artillery Flyout
 - Fire Sheafs
 - Adjust Fire
 - Low Fidelity Amphibious Model
 - Ownship Model
- **Behavior Modeling**
 - CAS 9-Line Brief
- **User Interfaces**
 - CAS 9-Line Tool
 - Fire Series Editor
- **Connectivity to External Systems**
 - AFATDS
 - C2PC
 - D-DACT