Joint Command and Control for War on Terror Activities (JC2WTA)
Joint Test and Evaluation Project

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Joint Test Director
202-781-2314
JC2WTA Overview

Project Genesis:
• Submarine Force experimentation
• Quadrennial Defense Review 2006 and other strategic guidance

OSD Charter:
• Evolve, test, and evaluate tactics, techniques and procedures that enable a JTF/JSOTF commander to operate from a small, clandestine forward command center while utilizing existing reach-back communications capabilities to JTF Rear and other distributed elements in support of War on Terror missions.

Approach:
• Utilize existing doctrine to the maximum extent possible
• Identify seams/gaps created by the distributed command and control operational construct
• Fill those gaps with new TTP validated in an operational environment
Submarine Force Experimentation

GIANT SHADOW
January 2003

Objective: Demonstrate SEA BASING and FORCEnet capabilities through experimentation

Significant demonstrations:
- Launch of a large diameter UUV from USS Florida
- End-to-end test of a Tomahawk missile launched from a large diameter tube

Submarine Force experiment in Undersea Warfare Missions
Navy SEA TRIAL Experimentation

SILENT HAMMER
October 2004

Objective: Utilize a network of forces controlled from an SSGN to conduct large scale clandestine operations, aided by unmanned systems, to reduce risk to Special Operations Forces.

Military Utility Assessment recommendation:
Develop a Small Combatant Joint Command and Control capability for use in maritime-based command centers.
- Additional work required in distributed command and control operations.
Joint Test and Evaluation

**JC2WTA JT&E**

- Chartered February 2006 to develop and operationally test Tactics, Techniques and Procedures (TTP) to:
  - Position the JTF Commander close to the fight
  - Conduct distributed Command, Control and Intelligence operations
  - Centralized planning/ decentralized execution
  - Enable persistent ISR
  - Fuse theater and tactical intelligence

- Potential applications
  - Deployable land-based command centers
  - Maritime command centers
Project Approach

- Utilize existing doctrine and Command and Control systems
- Identify core applications required to provide baseline Command and Control capability
- Identify seams/gaps created by distributed command and control construct and limited communications resources (bandwidth, people)
- Fill those gaps with new TTP validated in an operational environment
• Risk Reduction Event (RRE)
  – Joint War Game at Naval War College Newport, RI (4-15 Dec 2006)
• Field Tests (FT-1 / FT-2)
  – Talisman Saber 2007 (FT-1 – June 2007)
  – FOAL EAGLE (FT-2 – February 2008)
## Unique Aspects of TTPs

<table>
<thead>
<tr>
<th>Unique Conditions and/or Constraints</th>
<th>Unique Areas of Interest</th>
<th>Potential Products</th>
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</thead>
<tbody>
<tr>
<td><strong>Small Footprint</strong></td>
<td>Division of Labor</td>
<td>Planning guidelines</td>
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<td></td>
<td>Division of Functions</td>
<td>Planning checklists</td>
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<td></td>
<td>Intelligence effectiveness</td>
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<tr>
<td><strong>Distributed Operations</strong></td>
<td>Architecture/Application enablers for distributed operations</td>
<td>Distributed JTF roles and responsibilities</td>
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<td>Continuity of Operations</td>
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<tr>
<td></td>
<td>Intelligence effectiveness</td>
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<tr>
<td><strong>Limited Communications Resources (bandwidth, circuits, connectivity)</strong></td>
<td>Manage and allocate bandwidth</td>
<td>Detailed checklists for distributed JTF operations</td>
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<td>Prioritization of information exchange requirements</td>
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<td>Planning and analysis at JOC Rear and push forward for decisions</td>
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<td>Flow of Intelligence products</td>
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<td><strong>C2 Node Potential Loss of Communications</strong></td>
<td>Seamless continuity of command</td>
<td>Training products</td>
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<td>Communications architectures for contingencies</td>
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<td>Smooth transition of C2 following restoration of communications</td>
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## Application to War on Terror

### Operational Requirements

#### QDR 2006 War on Terror Objectives
- Find, fix and finish combat operations against new and elusive targets
- Better fusion of intelligence and operations to produce action plans that can be executed in real time
- Shift from predetermined force packages to tailored, flexible forces
- Persistent surveillance to find and precisely target enemy capabilities in denied areas
- Capabilities to locate, tag and track terrorists in all domains
- Organize and fuse intelligence and operations to speed action based on time-sensitive intelligence

#### National Strategy for Maritime Security
- Deny safe haven for terrorist activities
- Block freedom of movement between locations
- Prevent entrance into U.S. waters
- Maximize domain awareness
- Deploy layered security
- Interdiction of material and personnel at sea
- Assure continuity of the marine transportation system to maintain vital commerce and defense readiness

#### National Plan to Achieve Maritime Domain Awareness
- Collect, fuse, analyze, display and disseminate actionable information to operational commanders
- Input tactical information to the National Maritime Intelligence Center
- Integration of emerging capabilities (unmanned aerial vehicles, acoustic sensors) into a fused common operating picture available to operational Commanders and accessible throughout the U.S. Government
<table>
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<tr>
<th>Name</th>
<th>Agency</th>
<th>Role</th>
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<tbody>
<tr>
<td>MG Fridovich</td>
<td>USA</td>
<td>Commander Special Operations Command, Pacific (Chairman)</td>
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<td>Mr. Mike Crisp</td>
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<td>Deputy Under Secretary for Defense - Intelligence (Intelligence and Warfighting)</td>
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Next Meeting: 9 March 2007
Summary

- JC2WTA will develop and operationally validate TTPs in support of Special Operations Forces in War on Terror missions
- Focus is on distributed command and control and intelligence functions required to support a commander in a forward, clandestine command center
- Primary customer is SOCOM and Special Operations Forces operational commands
- Potential applications – deployable command centers, maritime command centers