



# Preparing a JT&E Quick Reaction Test Nomination Packet Examples



**Army JTE QRT Team**

Aberdeen Proving Ground, Maryland

*...By Warriors, for Warriors!*

*Army Proven  
Battle Ready*



# Title or Cover Page

One Page Cover Sheet; One Slide

## 1. Title

**1a. Project Name:** J – PHUME (Joint Protection of High-Value Units during Maritime Escort)

**Lead Sponsor:** US Naval Submarine Warfare Center

**Operational Endorsers:** USNORTHCOM, USPACOM

**Operational Test Agency (OTA):** Army Test and Evaluation Command (ATEC)

## 1b. Point of Contact

Mr. John Doe

Program Manager

OPNAV Test & Evaluation, N912

(555)-555-0971 (office)

NIPR: john.doe@navymail.mil

SIPR: john.doe@navymail.smil.mil



# Problem Background & Explanation

Four Pages or Less; Four Slides of Less

## PROBLEM BACKGROUND AND EXPLANATION

### **Nature and origin of the problem.**

Since the October 2000 attack on the USS COLE in Yemen, US military attention and analysis have focused almost entirely on defeating the surface threat from small surface craft loaded with high explosives within the context of Anti-Terrorism/Force Protection (AT/FP) operations. And, within CONUS, the Navy and Coast Guard have collaborated on providing a protective escort for High-Value Units (HVUs...

### **What cannot be done now or inhibits user from accomplishing the mission.**

US commanders responsible for naval and maritime security must have at their disposal a range of capabilities to defeat threats to vulnerable HVUs transiting key ports, waterways and chokepoints—a multidimensional vulnerability that is not adequately addressed in current Joint, Navy, or Coast Guard TTPs. Capability has been developed to escort and protect vessels from surface attack by explosive-packed small boats and weapons fired from approaching surface vessels.....

### **For whom this is a problem.**

The safe transit of strategic military significant vessels is a critical facet of the US military strength and power projection. Indeed, this is a problem for every Joint Combatant Commander and Maritime Operational Centers (MOC) personnel. The vessels requiring protection include: Warships...

### **Who Says This is a Problem**

The President of the United States. Executive Order 13273 found the terrorist attacks of September 11, 2001 to have endangered the security of the United States...The Commander, US Pacific Command. Addressing a Port Security Conference in November 2012, Admiral Smith stated, "Situational awareness in the maritime domain is a real challenge for us.... You don't have to be a significant player in order to have a big effect, and you can look at the USS COLE in the Port of Aden as an example.... Director, Department of Homeland Security. In testimony before the Senate, H. Doe, Director, Homeland Security explained: "The nation's 361 seaports are the gateway ...



# Flag Officer / GO Statement

One Page or Less; One Slide

**Commander, NORAD and USNORTHCOM –**

“Our commands’ missions are not only complementary, they are also inseparable, as the missions of aerospace warning and control, maritime warning, Homeland Defense, and civil support are more aligned than ever. To ensure that USNORTHCOM and NORAD are strong and ready... these are my priorities.... Gain and maintain All Domain Situational Awareness – Ensuring global reach and projection is a function of a secure homeland. Our global reach is being challenged by both symmetric and asymmetric threats in and across space, cyberspace, land, sea, and air. Combining appropriate whole-of-government and whole-of-society efforts, we will keep our homelands safe by giving priority to technologies and collaborative interagency processes for anti-access/area denial against potential adversaries, including those who attack from the

***- Statement of General Charles H. Jacoby, Jr., Before the House Armed Services Committee, 6 March 2012.***



# Proposed Problem Statement

One Page or Less; One Slide

The Joint Force Commander's ability to engage aircraft is significantly degraded by the Advanced Electronic Attack threat. Joint tactics, techniques, and procedures do not exist for airborne fighters to use cooperative targeting, tactics, and off-board sensor data to counter an Advanced Electronic Attack environment.

# Example: Picture of Problem



Identify

Commit

JT and QRT

Engage



Legend

<u>Air Entities</u>	<u>Surface Entities</u>	<u>Threat Entities</u>
E-3	AEGIS	<u>Targets</u>
E-2	Patriot	Advanced EA jamming
Engaged Friendly Fighters	Radar	
(F-15/F-16/F/A-18/F-22)		



# Scope and Limitations

Two Pages or Less; Two Slides or Less

**Test Scope:** The J-PHUME test scope is limited to exploring methods to detect, interdict, and defeat the underwater improvised explosive device (U-IED) threat to HVUs. A draft Underwater – Improvised Explosive Device Threat TTP exists and is expected to be published by 31 May 2013), published by U.S. Naval Submarine Warfare Center. These TTP will need to be integrated with existing surface HVU escort TTPs and processes...

**Test Limitations:** The range of effectiveness in threat mitigation will be constrained by availability of existing underwater search, detection, and tracking systems... Integration of developed TTP with existing or modified surface threat TTP will be constrained by the degree of interagency coordination and the ability of communications and C2 systems ...



# Purpose of the Proposed Test

One Page; Two Slides or Less

## Purpose of the Proposed Test

The purpose of J-PHUME is to develop and test TTPs to detect, interdict and defeat U-IED threats to maritime High-Value Units transiting strategic waterways.

These TTP will allow US commanders responsible for naval and maritime security to better protect aircraft carriers, surface combatants, SSBNs, and Strategic Sealift ships as well as other potentially targeted commercial vessels as they transit of strategic waterways.



# Test Products

Three Pages or Less; Two Slides or Less

## 7. Test Products:

7.a. The XXX QRT would produce joint Tactics, Techniques and Procedures (TTPs) for fusion of Civil Information into existing Intelligence collection, analysis and dissemination processes for a more accurate and actionable perspective of the operational landscape.

7.b. The TTPs would be available to the Combatant Commander/CJTF J2 and J3 for use in worldwide operations. The TTPs could be applied to the development of training curricula for the Intelligence organizations, and the U.S. Army Civil Affairs and Psychological Operations Command (CAPOC) as the U.S. Army is designated as the Office of Primary Responsibility (OPR) for Civil Affairs within the Department of Defense.

7.c. The Commander will receive analyzed and validated population, governance, and economic civil information from the fusion center coming both from intelligence analysts and civil affairs analysts. The TTPs will also provide a basis for military Service training to include specific elements of Civil Information (PMESII) in developing the operational battle space picture for operational decision maker, and the means to train both Civil Affairs professionals and Intelligence professionals in providing an improved battle space picture, regardless of the geographic location of operations.



# Test Schedule

One Page; One Slide

Table 7. CNDSP QRT Test Schedule

Deliverable / Milestone	T0	T30	T40	T60	T90	T120	T150	T180	T210	T240	T270	T300	T330
CNDSP QRT Project Plan			♦										
CNDSP QRT Test Plan				♦									
Monthly Status Reports	♦	♦		♦	♦	♦	♦	♦	♦	♦	♦	♦	♦
IPR				♦			♦			♦			
CNDSP QRT Working Group	♦	♦				♦			♦		♦	♦	
CNDSP Test (DISA)					♦								
CNDSP Quick Look Report (QLR) #1						♦							
CNDSP Test (USMC)							♦						
CNDSP QLR #2								♦					
CNDSP Test (STRATCOM)										♦			
CNDSP QLR #3												♦	
CNDSP: Day-To-Day Operations TTPs					♦	♦	♦	♦	♦	♦	♦	♦	
CNDSP Performance Evaluation Framework TTPs					♦	♦	♦	♦	♦	♦	♦	♦	
CNDSP QRT Close Out, Final QRT Report, and TTPs												♦	♦



# Related Efforts

Two Pages or Less; Two Slides or Less

## RELATED EFFORTS

### What Other Addressing Related Efforts

Some aspects of the domestic underwater battle space have been examined in related efforts, but in a fragmented, piecemeal manner. There has been no direct effort to address the transit elements of Maritime Mobility (MSC, pre-positioned vessels under the Army, Air Force and Marine Corps operational supplies, SPOD operations, strategic HVUs, enabling Power Projection as well as sea-based Strategic Missile Defense) or point defense during MOL (Military Out Load) operations.....

### Why J-PHUME is Not Duplicative

The proposed J-PHUME test is not duplicative of other efforts because J-PHUME is focused on the enhancement of TTP designed to detect, interdict, and defeat U-IED threats to HVUs. No other program has looked at TTP from this perspective.



# QRT Logistics

One Page; Two Slides or Less

## 10.b. QRT Office and Support

The XXXX QRT will be located at the ATEC JTE facility. Office space and associated administration and logistics support will also be provided at the below location:

Army Joint Test Element  
 Army Test and Evaluation Command (ATEC)  
 Aberdeen Proving Ground, Maryland 21005  
 Building 314, Longs Corner Road

XXX QRT Director Contact Information	
Name	LTC John Doe
E-mail	<a href="mailto:John.Doe.mil@email.mil">John.Doe.mil@email.mil</a>
Phone	(555) 555- 2858
Agency	DISA/JITC/JTG1



# QRT Cost

One Page; One Slide

Location	Travelers	Days	Airfare	Local Mileage	Lodging	PerDiem	Car+Misc	Total
<b>Contractor</b>								\$34,019.60
Omaha, NE	4	12	\$1,600.00	\$163.20	\$4,488.00	\$2,806.00	\$1,100.00	\$10,157.20
DISA PAC	4	12	\$3,600.00	\$163.20	\$7,788.00	\$5,336.00	\$1,100.00	\$17,987.20
Stafford, VA	4	12	\$0.00	\$2,937.60	\$0.00	\$0.00	\$0.00	\$2,937.60
WG's (6)	4	12	\$0.00	\$2,937.60	\$0.00	\$0.00	\$0.00	\$2,937.60
<b>Government</b>								\$64,005.95
Omaha, NE	5	12	\$2,575.00	\$267.75	\$5,610.00	\$3,507.50	\$1,100.00	\$13,060.25
DISA PAC	6	12	\$5,400.00	\$321.30	\$11,682.00	\$8,004.00	\$1,550.00	\$26,957.30
Stafford, VA	4	12	\$1,775.00	\$1,978.80	\$3,872.00	\$2,576.00	\$1,850.00	\$12,051.80
WG's (6)	4	12	\$4,200.00	\$948.60	\$2,112.00	\$2,576.00	\$2,100.00	\$11,936.60
<b>Government (Local)</b>								\$1,468.80
Stafford, VA	1	12	\$0.00	\$734.40	\$0.00	\$0.00	\$0.00	\$734.40
WG's (6)	1	12	\$0.00	\$734.40	\$0.00	\$0.00	\$0.00	\$734.40
<b>Total TVL</b>								<b>\$99,494.35</b>
	Hours	Rate	Total					
SA/E III	1240	\$149.85	\$185,814.00					
SA/E II	1672	\$133.20	\$222,710.40	1672=Full Time: 1 July- 30 April				
E/A III	1240	\$121.66	\$150,858.40					
E/A II	1672	\$104.90	\$175,392.80					
TW	425	\$65.34	\$27,769.50					
<b>Total Labor</b>			\$762,545.10					
<b>Travel Gov</b>			\$64,005.95					
<b>Travel Cont</b>			\$34,019.60					
<b>Local Gov</b>			\$1,468.80					
<b>Total Travel</b>			\$99,494.35					
<b>Total Cost</b>			\$862,039.45					



# Sponsorship and Operational Endorsements

One Page; Two Slides or Less

## Lead Sponsor Letter

DEPARTMENT OF DEFENSE  
5209 2  
JCS/7C208  
30 April 2012

MEMORANDUM FOR DIRECTOR, OPERATIONAL TEST AND EVALUATION  
(ATTN: REP/13/LEADER, AIR W/43248)

SUBJECT: Letter of Sponsorship for the Computer Network Defense Service Provider Quick Reaction Test

The Department of Defense, Chief Information Officer is pleased to sponsor the Computer Network Defense Service Provider (CNDS) Quick Reaction Test (QRT).

Currently, the evaluation framework employed to evaluate Department of Defense (DOD) CNDS is compliance based. This evaluation framework lacks the Tactics, Techniques, and Procedures to measure DOD CNDS's defensive abilities and capabilities to perform Computer Network Defense (CND) functions and provide effective CND services to Combatant Commands, Service, and Agencies.

As presented during our meeting on Monday, February 13, 2012, in collaboration and cooperation with DOD CNDS stakeholders, the CNDS QRT will formulate a consistent, repeatable, and verifiable framework that measures DOD CNDS's abilities and capabilities to perform CND functions and provide effective CND services to Combatant Commands, Service, and Agencies.

The CNDS QRT effort will not only address a critical gap within the DOD 4539 Policy suite but also become a vital component within our DOD Mission Program.

The point of contact for this matter is Mr. Kevin Doherty (doherty@oasdasg.mil), commercial (771) 372-4699.

*Richard C. Cieslak*  
Richard C. Cieslak  
Deputy Chief Information Officer for Cybersecurity

## Operational Endorsement Letter

FOR OFFICIAL USE ONLY  
COMMANDER, U.S. PACIFIC COMMAND  
LIAISON OFFICE  
CAMP HAN SMITH, HAWAII 96811-4828

5209 2  
JCS/7C208  
30 April 2012

From: Chief Information Officer (CIO)  
To: Director, Operational Test and Evaluation, Air Warfare

SUBJ: ENDORSEMENT OF THE COMPUTER NETWORK DEFENSE SERVICE PROVIDER QUICK REACTION TEST

Ref: (a) Chairman of the Joint Chiefs of Staff Instruction (CJCSI) 6211.0C, Defense Information System (DIS) Policy and Responsibility (dtd 6 Jul 2008)  
(b) DOD Directive 9-8530.1, Computer Network Defense (CND) (dtd 2 Jun 2007)  
(c) DOD Instruction 9-8530.2, Support to Computer Network Defense (CND) (dtd Mar 2007)  
(d) DOD Instruction 9500.2, Information Assurance (IA) Implementation (dtd 3 Feb 2003)  
(e) DOD Directive 9510.11, DOD Information Assurance Certification and Accreditation Process (DIACAP) (dtd 28 Nov 2007)

1. In accordance with references (a) through (e), USPACOM fully endorses the Computer Network Defense Service Provider (CNDS) Quick Reaction Test (QRT). In support of the Department of Defense CNDS mission, the CNDS QRT seeks to define specific Tactics, Techniques, and Procedures for the execution of Computer Network Defense (CND) functions, provisions, and services to Combatant Commands, Service, and Agencies.

2. The CNDS Program is an important element of Information Assurance (IA) and Computer Network Defense (CND). As an operational endorser, USPACOM supports operational readiness to set test findings, conclusions, and/or recommendations.

3. My point of contact for the CNDS QRT effort is Mr. Joshua Margolin, Authorizing Official Representative, 808-477-9279, joshua.margolin@pacom.mil

RANDALL C. CIESLAK  
Senior Executive Service  
Chief Information Officer  
Information Systems Authorizing Official

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## OTA Letter

DEPARTMENT OF THE ARMY  
UNITED STATES ARMY TEST AND EVALUATION COMMAND  
3715 QUINN ST. APT. 2000  
ARLINGTON, VA 22204-4302

13 January 2013

CSTE-JT

MEMORANDUM FOR DEPUTY DIRECTOR, AIR WARFARE, JOINT TEST AND EVALUATION CENTER FOR COUNTERTERRORISM, 1300 DEFENSE PENTAGON, ROOM 1D348, WASHINGTON, DC 20301-1700

SUBJECT: Joint Homeland Missions Center Mission (JHMCC) Quick Reaction Test (QRT) Nominations Support Letter

1. The US Army Test and Evaluation Command (ATEC) endorses the proposed JHMCC QRT. We have worked with the sponsor to define the project scope.

2. The proposed QRT will provide Tactics, Techniques, and Procedures (TTP) and Concept of Operations (CONOPS) to allow force operators to adequately respond to issue threats in a CONUS environment. These TTP (include as in part) may also be applicable to the OCONUS environment.

3. If the nominated QRT is approved and funded, ATEC will accept the responsibility to serve as the lead service Operational Test Agency (OTA). CAPT William M. Aho, US Northern Command (COMUSMACV), was identified to serve as the test director with USNETC/COM and supporting the test effort. This staff will form the core QRT team to plan, conduct, and report on the results of the QRT. In addition, ATEC will allow QRT access to Army subject matter experts (SME). ATEC will also ensure the QRT's coordination with the other sponsors and service OTAs for required SME support and the published test scenarios.

4. In accordance with year 1 February 2004 concept of operations for a transformed Joint Test and Evaluation (JTE&E) process, the QRT team will conduct QRT planning with assistance from the JTE&E facility located in Fallsburg, Virginia to ensure consistent support using JTE&E Program Office (JPO) funding and joint committees, conduct and report on the QRT effort, and transition QRT test products. The QRT team will coordinate with your JPO to obtain required assistance from the JTE&E facility throughout the life of the QRT.

5. I expect the nominated QRT results will be beneficial to the Joint Warfighter and services alike, and look forward to conducting the QRT and contributing to the further development of the concept of operations for a transformed JTE&E process with you.



# Coalition Participation

## 13. Coalition Participation:

13.a. Deputy Director, Joint Staff, J7 for Joint and Coalition Warfighting and USAFRICOM will be responsible for coordinating any coalition participation. As the name implies, it is focused on engaging and incorporating coalition participation to the greatest extent.

13. b. Working with USAFRICOM or any other organization may require this QRT to include coalition participation to validate specific TTPs. This QRT will rely almost entirely on unclassified material, but JCW will be responsible for clearing material through a Foreign Disclosure Officer as necessary.

13.c. All data exchanged with coalition partners will be unclassified or as cleared by approving/authorizing originator.

13.d. QRT will use USAFRICOM agreements in place (or other originator agreements as required).



# The Army JTE is Ready to Help!

**Army JTE Official Office Email:**

**[usarmy.APG.atec.mbx.jte@mail.mil](mailto:usarmy.APG.atec.mbx.jte@mail.mil)**

**JTE Official Mailing Address:  
314 Longs Corner Road  
Aberdeen Proving Ground,  
MD 21005-5055**