

# JAEC Update

**JNTC Corporate Board, WJTSC 12-1**

**20 March, 2012**

Joint Assessment and Enabling Capability (JAEC)

ODUSD(Readiness) / TR&S

JAEC Director, Dr. Shep Barge





- ▶ JAEC overview
- ▶ JAEC modeling and simulation responsibilities
- ▶ JAEC assessment activities
- ▶ CE2T2 POM
  - The process
  - JAEC's role
  - POM-14
- ▶ Next steps



- ▶ Manning
- ▶ Strengths
- ▶ Limitations
- ▶ Structure: two branches
  - Modeling and simulation (M&S)
  - Assessment



# JAEC Modeling & Simulation Responsibilities

## ▶ Training M&S Management

- Participate in DoD M&S Governance
  - Support Director TRS in his role as M&S Steering Committee member
  - Represent Training on M&S Integrated Product Team, and in the many M&S Coordination Office led activities
- Training M&S Strategic Plan (TMSSP)
  - Community Strategies with DoD M&S Enterprise Strategy are principal instruments to influence POM development and M&S investment area specification
  - FY 2012 version of TMSSP will be major update of 2009 publication
- Coordinate Training's M&S cross-cutting project activities
  - Install and leverage processes to identify training M&S requirements
  - Identify and provide advocacy for High Level Task (HLT) funding candidates
  - Oversee funded Training HLTs (e.g., Live Virtual Constructive Roadmap Implementation)
  - Represent training interests in other relevant HLT oversight forums (e.g., Rapid Data Generation, Irregular Warfare)

## ▶ M&S Community of Interest (COI)

- Formed in 2005 to meet DoD Net-Centric Data Strategy goal making data more visible, accessible, and understandable
- Represent Training on the COI, and its relevant task-oriented subgroups



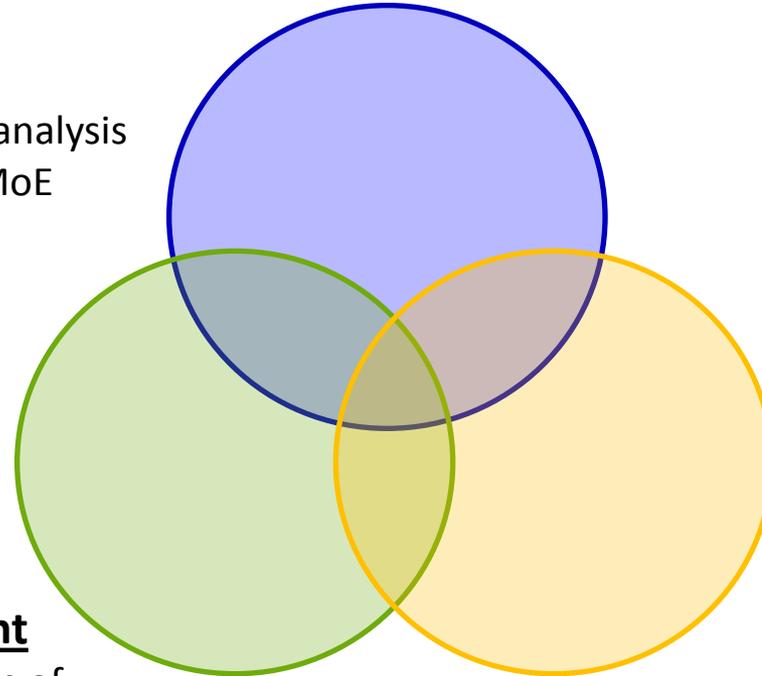
# JAEC Assessment Activities

## Enabling

- Support DASD-R
- M&S ROI / trade analysis
- MoDA program MoE
- DMDC survey
- Training for SFA

## Portfolio Management

- Collate self assessments of strategic alignment
- Analyze POM submissions for quality
- Track MoE data



## Strategic Assessment

- Status of metrics-based data collection
- Current Studies:
  - JTEN value (Apr 2011)
  - Analysis of JTIMS assessments
  - Realism and relevance
  - COCOM engagement

DASD-R: Deputy Assistant Secretary of Defense - Readiness

MoDA: Ministry of Defense Advisor training course

MoE: measure of effectiveness

POM: program objective memorandum

SFA: security force assistance



# The CE2T2 POM Process

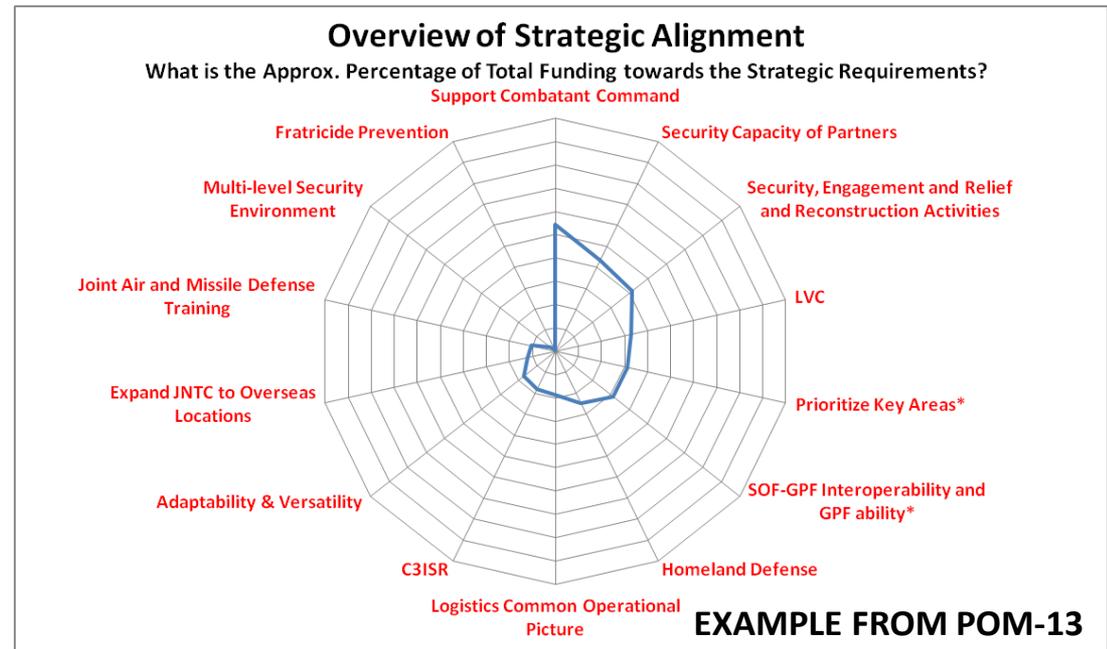
1. For POM-13, funding requests were provided to TRS in the form of:

- Quad Charts
- Info Papers

2. JAEC assessed strategic alignment and quality for each POM submission

- Aggregate information for the entire CE2T2 portfolio was presented to the POM panel

3. The POM panel allocated available CE2T2 funds



**These steps continue for POM-14,  
but with some changes and additions**



# Portfolio Management and JAEC

- ▶ Austere fiscal environment
- ▶ New strategy articulated → New training priorities
- ▶ JAEC assessments focus on portfolio management
  - Strategic Plan for the Next Generation of Training for the DoD (Sept 23, 2010) Annex A, 3.4:

*Assessments will focus on portfolio management; specifically, how resources are allocated against training, experimentation and education capabilities deemed redundant, noninteroperable, and not supporting high priority competencies in the areas described above.*



# Changes for POM-14

## Materials to be submitted:

**Same:** quad charts, info papers

**New:** strategic alignment self-assessment

### ► Strategic Alignment:

- For POM-13, JAEC assessed alignment with Training Top 10
- For POM-14, submitters will self-assess alignment with strategic priorities published by DASD-R in PG&O

### ► Quality:

- JAEC has shortened its list of quality indicators for evaluating POM submissions

### ► Year of Execution Measures of Effectiveness (MoEs):

- As a pilot, there will be an end-of-year wrap-up for FY2012 MoEs; organizations should plan to submit data to TRS in Oct 2012, details to follow
- Data for MoEs in POM-13 and 14 will be submitted quarterly starting FY13 Q1



# CE2T2 POM Assessments: QA and QC

**Quality control (QC):** Monitoring specific project results to determine if they comply with relevant quality standards, and identifying ways to eliminate causes of unsatisfactory results.

Program managers are responsible to perform quality control on their programs.

**Quality assurance (QA):** The planned and systematic activities implemented within the quality system to provide confidence that the project will satisfy relevant quality standards.

TRS is responsible for quality assurance in the CE2T2 Program.



# Next Steps

(TBD)



# Contacts

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*Questions?*



# Strategic Alignment Self-Assessment

## Program Self-Assessment of Alignment with Focus Areas<sup>1</sup> for Joint Training Readiness

Program Name: Lorem Ipsum Dolor (*Mockup*)

Date: Feb. 10, 2012

**Table 1: Numerical Assessments (for all POM submissions)**

		Rating <sup>1</sup>	
1. Train for Irregular Warfare Threats (counterterrorism, unconventional warfare, foreign internal defense, counterinsurgency and stability operations)	a. Build and sustain tailored capabilities appropriate for counter terrorism.	0	
	b. Retain the knowledge and ability to conduct Stability and Counterinsurgency (COIN) Operations, including the ability to secure territory and populations and facilitate a transition to stable governance on a small scale for a limited period using standing forces and, if necessary, for an extended period with mobilized forces (shape, clear, hold, build).	25	
	c. Improve the ability of general purpose forces to operate independently at increasingly lower levels and interoperate with special operations forces.	50	
	d. Invest in and promulgate language, regional expertise, and cultural capabilities and capacities.	25	
2. Train for Operations to Deter and Defeat Aggression	a. Develop forces for critical joint functions in intelligence; chemical, biological, radiological, and nuclear (CBRN); cyber operations; and joint planning.		
	b. Develop capability to train realistically on complex collective tasks of intelligence, surveillance, and reconnaissance (ISR) and ballistic missile defense (BMD) particularly for those threats that involve multiple CCMD joint operating areas.		
	c. Improve ability to project power or to conduct joint forcible entry into denied areas, including sustained operations in denied areas (e.g., counter-Improvised Explosive Device [IED] operations, joint theater opening).		
	d. Improve ability to synchronize joint operational fires.		
3. Enhance Integration with Partners	e. Improve ability to rapidly establish, organize, and operate a Joint Task Force (JTF)/Joint Interagency Task Force (JIATF).		
	a. Sustain and improve knowledge of and capabilities to build the capacity and competence of U.S., allied, and partner forces for internal and external defense. This includes the Security Force Assistance (SFA) mission.		
	b. Improve the ability to integrate with U.S. agencies and other domestic partners at the Federal, State, Territories, and local levels.		
If any entry here is filled in (with a non-zero value), please also fill in Table 3.	c. Sustain and improve the ability to integrate with allies, coalition members, international partners and non-governmental organizations.		
	4. Strengthen Security and Resilience at Home	a. Enhance the capability to prevent and deter attacks on the U.S. homeland.	
		b. Build the capability to respond and recover from major incidents and natural disasters.	
5. Improve Capabilities for Cyber, Space, and Information Operations	a. Increase our abilities to defend our networks, operational capability, and resiliency in cyberspace and space.		
	b. Improve ability to influence the perceptions and attitudes of key foreign audiences as an explicit and continuous operational requirement (win the "battle of the narrative").		
	c. Demonstrate the ability to effectively conduct operations in degraded cyberspace environments.		
6. Other Priorities	a. Other Priorities		
<b>SUM</b>		<b>100.0</b>	

<sup>1</sup>Please indicate approximate effort towards each strategic priority as numerical values that sum to 100.

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**Table 2: Cross-cutting assessments (for all POM submissions)**

		Rating <sup>2</sup>
1. Enhance Unit and Individual Adaptivity	a. Develop innovative and adaptive individuals at all levels.	Yes / No
	b. Improve capability to rapidly validate and disseminate to the field and training venues lessons learned. Put in place capabilities to analyze, identify and implement lessons anticipated in training and exercises.	Yes / No
	c. Institute mechanisms to prepare general purpose forces to quickly and successfully assume new missions.	Yes / No
2. Improve our Ability to Train Realistically and Efficiently	a. Extend and integrate virtual and augmented reality into training to facilitate the mastery of tasks not easily addressed in live training.	Yes / No
	b. Leverage virtual training capabilities for skills that are routine or procedural in nature.	Yes / No
	c. Increase training efficiency to maximize returns on training investments.	Yes / No
	d. Enhance collaboration between joint training and joint testing and experimentation efforts.	Yes / No

<sup>2</sup>Please circle either yes or no, depending on whether this effort is included in the program, or not.

<sup>3</sup>The list is not inclusive of all DoD training requirements. As presented here, this represents a narrowed list of training focus areas that represent key joint enablers for the CE212 program. Absence of specific capabilities from this list in no way implies that Services should not train to that capability. On the contrary, Services must develop and maintain forces appropriate to the full spectrum operating environment in accordance with their Title 10 requirements. The CE212 program should focus on those capability areas that typify joint operations, institutionalize the lessons learned over the last 10 years of operations, and maximize the benefits of COCOM engagement activities.

**Table 3: Assessment of CE2 programs or programs in Table 1 that "Enhance Integration with Partners"**

Program Self-Assessment of Alignment with CE2 Program Goals	Rating <sup>3</sup>
a. Counter the violent extremists who threaten U.S. interests, allies, partners, and the homeland.	Yes / No
b. Invest in a long-term strategic partnership with India to support its ability to serve as a regional provider of security in the broader Indian Ocean region.	Yes / No
c. Work with allies and other regional states to deter and defend against provocation from North Korea.	Yes / No
d. Build a cooperative bilateral relationship with China while seeking clarity of its strategic intentions.	Yes / No
e. Promote a rules-based international order that ensures stability and encourages the peaceful rise of new powers and constructive defense cooperation.	Yes / No
f. Counter destabilizing threats in the Middle East, particularly the proliferation of ballistic missiles and weapons of mass destruction.	Yes / No
g. Emphasize Gulf security, in collaboration with Gulf Cooperation Council countries, where appropriate, to prevent Iran's development of a nuclear weapon capability and counter its destabilizing policies.	Yes / No
h. Stand up for Israel's security and a comprehensive Middle East peace.	Yes / No
i. Bolster NATO capacity and interoperability for the security of Europe and beyond.	Yes / No
j. Engage with Russia to build a closer relationship in areas of mutual interest and encourage it to be a contributor across a broad range of issues.	Yes / No
k. Counter state and non-state actors that possess the capability and intent to conduct cyber espionage and, potentially, cyber attacks on the United States.	Yes / No
l. Lead global efforts with capable allies and partners to assure access to and use of the global commons.	Yes / No
m. Counter the proliferation of WMD, working with an array of domestic and foreign partners.	Yes / No
n. Defend U.S. territory from direct attack by state and non-state actors, and come to the assistance of domestic civil authorities in the event such defense fails or in case of natural disasters.	Yes / No
o. Deter and defend against ballistic missile attacks, particularly across multiple joint operating areas.	Yes / No
p. Other. Write in reference (with page #):	Yes / No

<sup>3</sup>Please circle either yes or no, depending on whether this effort is included in the program, or not.

**DRAFT**



# JAEC Assessment of Quality

<b>Quality</b>	<b>Absent (0)</b>	<b>Minimally Compliant (0.33)</b>	<b>Mostly Compliant (0.67)</b>	<b>Completely Compliant (1)</b>
<b>Demand Prediction</b>	No demand for this product or service exists	Demand for service or product is questionable	Demand for service or product is clear but not documented in POM request	Demand for service or product is clear and documented in POM request
<b>Metric Formulation</b>	No metrics presented in POM request	Some metrics (< 50%) are measurable, attainable, or relevant	Most metrics (≥ 50%) are measurable, attainable, and relevant	All metrics (100%) follow the list: "Characteristics of Good Metrics"
<b>Cost-Benefit Tradeoff Analyses</b>	No analysis has been presented that addresses changes in funding	Costs of program elements identified, but not priorities	Priorities identified to protect in case of funding reductions	Tradeoff analysis presented that shows costs/benefits associated with changes in funding
<b>Personnel Allocation</b>	No personnel specified	Personnel specified but not by category	Personnel allocated by category (Mil/Civ/Ctr) but no explanations for deltas (or lack of deltas)	Personnel allocated by category (Mil/Civ/Ctr) and explanations for deltas (or no change) provided
<b>Stakeholder Assessment</b>	No evidence of stakeholder assessments is provided or even suggested	No stakeholders identified but anecdotal evidence of satisfaction suggested	Stakeholder identified but only anecdotal evidence of assessments provided	Stakeholder identified along with empirical assessment data
<b>Justification for Increase</b>	No justification for increase in funding relative to POM baseline	Increase in funding acknowledged but not justified	Increase justified in words, but not on cost analysis basis	Justification for increase based on systematic cost analysis



# Measures of Effectiveness

## ▶ The guidance for POM-13 stated:

- “In addition to the POM evaluation, **progress** towards stated program objectives (as presented in the POM submission and subsequent Program Budget documents) **will be evaluated** during the year of funding execution. **This review will commence for all CE2T2 programs with POM 2014 submission** [...]. This process will be managed by the Joint Assessment & Enabling Capability office.”

Combatant Commander’s Exercise and Training (CE2T2) Programming and Administrative Guidance, TR&S, POM-13

## ▶ POM-14 Guidance (tentative):

- For MoE data that corresponds to **POM-12**, there will be an annual wrap-up, and all **data must be submitted to TR&S not later than Oct 20, 2012.**
- MoE data that corresponds to **POM-13** must be submitted on a **quarterly basis starting in FY13.**
- MoE data that corresponds to **POM-14** must be submitted on a **quarterly basis starting in FY14.**



# FY11 Assessment Metrics

Metric	Data Source - Services	Data Source - Combatant Commands
1. JNTC-accredited Service training prior to deploying	Report via Excel spreadsheet	N/A
2. Training in irregular warfare and stability operations (IW/SO) at appropriate Service exercises	Report via Excel spreadsheet	N/A
3. Participation in training exercises by whole-of-government personnel (federal, state, tribal, and local)	Report via Excel spreadsheet	JTIMS
4. Participation in training exercises by multinational military personnel	Report via Excel spreadsheet	JTIMS
5. Percent of CE2T2 training exercises using the JTEN	JWFC Enterprise Repository JWFC NOSC data Report via Excel spreadsheet JTIMS	JWFC Enterprise Repository JWFC NOSC data JTIMS
6. Percent of Service training exercises supported by JNTC OPFOR	JWFC Enterprise Repository	N/A
7. CE2T2 training exercises using JLVC Federation components	JWFC Enterprise Repository Report via Excel spreadsheet JTIMS	JWFC Enterprise Repository Report via Excel spreadsheet JTIMS