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JOINT MOUT

Mission Area Analysis and Mission Need Assessment

SOLIC SYMPOSIUM

17 Feb 99

LtCol Duane Schattle

J8 LLWAD

695-4657

2-Feb-99

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JOINT MOUT STUDY DESCRIPTION



- **PURPOSE:** Conduct a JROC & DPG-Directed Joint Mission Area Analysis and Joint Mission Need Assessment of U.S. Joint Operational Warfighting Capabilities in the Urban Environment.
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- **DPG Guidance**
 - Continue studies to assess & explore Joint capabilities
 - Assess alternative approaches to conducting MOUT
 - Recommend actions to address doctrine
 - ID M&S & training requirements
 - ID requirements to achieve dominant MOUT
 - Include NLW
 - Build a roadmap to 2010 to find alternative

JOINT MOUT STUDY DESCRIPTION



- **PHASE I (3 PARTS):**

- Assess the need for **Joint Operational MOUT Doctrine**;
- Conduct a survey of **Analysis and Training M&S Tools** for Joint MOUT operations;
- Identify **Joint Operational Mission Needs** for MOUT.

PHASE I: JOINT MOUT DOCTRINE ASSESSMENT... COMPLETED



- **Findings:**
 - **Current Doctrine Inadequate**
 - **Tactical, Ground Oriented, Linear and Attrition Driven**
 - **Not Joint, not Combined, nor Interagency**
 - **Operational Level Void**

 - **Needs**
 - **Joint Operational Doctrine**
 - **Joint Operational Concept**
 - **Short/Near-term Guidance**

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PHASE I: JOINT MOUT DOCTRINE ASSESSMENT... COMPLETED



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- **Actions Taken (Urban Working Group Initiated):**
 - **JMOUT Doctrine (2001)... USMC Lead, USA Review Authority, J-8 Sponsorship**
 - **Ops Concept ...(w/Doctrine)...USMC Lead, UWG Guided**
 - **JTF Handbook (1999)... USAF Lead, UWG Guided**

PHASE I: JOINT MOU M&S ASSESSMENT... COMPLETED



- **Findings:**

- JWARS and JSIMS will not address MOU in near-term and long term is questionable
- Training Tools... Appears Adequate But it Lacks Urban Terrain Data Bases
- Analytic Tools Are Inadequate
- Needs
 - Analytic Tools (Tactical and Operational) For:
 - Capability Assessments
 - Campaign Analysis
 - Rehearsal Tools
 - Terrain Data Bases for Both Analysis and Training

PHASE I: JOINT MOUT M&S ASSESSMENT...COMPLETED



- **Actions Taken:**

- **JCATS identified as possible short-term solution and long-term bridge; requires:**

- **V&V (JWFC, \$500K)**
- **Identifying Acceptability Criteria... What Should Model Do (UWG Can Help)**
- **Terrain Data Bases (larger than normal data requirement)**
- **CPR Language drafted to address it**

“...Critical to this effort, the Department, through the Joint Staff, must develop short-term analytic tools to assess those capabilities...”

UNCLASSIFIED **PHASE I: JOINT MOUT MISSION NEEDS**

COMPLETE



- **Findings:**

- **C4 and ISR require independent detailed assessment now**
- **Lack of M&S tools makes assessments difficult and leads to qualitative not quantitative results**
- **Because of closed terrain and population, etc., often tactical concerns become operational issues**
- **No centralized focus to address Joint Requirements**
- **Much more needs to be done... (Phase II&III address)**
- **Current study identified 108 Candidate Mission Needs**

PHASE I: JOINT MOUT MISSION NEEDS

COMPLETE



- Actions Taken:

- UWG Narrowed 108 Needs to Top 18

Communications
Firepower

Rapid & Responsive

Knowledge of Cities
Threat Detection/

Precision Effects
Population Control

Neutralization
JTF Single Common
Picture

Mobility
Consequence Management
Medical

Information Control
Precision Navigation

Logistics
Training

CID

Training Analysis

CSAR in Urban

Campaign Analysis UNCLASSIFIED

PHASE I: JOINT MOUT MISSION NEEDS

(ACTIONS TAKEN CONT'D)



- **Phase II Tasks Identified:**
 - **Follow-on Mission Needs...**
 - **Refine and prioritize Candidate Mission Needs/forward to JROC**
 - **Input C4 (J-6/DSC) and ISR (J2/DSC) Study Mission Needs**
 - **Transition Study...Develop**
 - **Concept Exploration/Roadmap**
 - **Institutionalization of Joint Mission Needs Options**
 - **MOUT Oversight Options**
 - **Address Terrain Data Base Issues**
 - **Prioritization**
 - **Sponsorship**
 - **Funding etc..**

PHASE I: JOINT MOUT MISSION NEEDS

(ACTIONS TAKEN CONT'D)



- **Phase III Assessment Priorities Identified:**
 - **JMOUT Training and Facilities**
 - **Urban Information Architecture**
 - **JMOUT Center of Excellence/Analysis**
 - **Future Joint and Service Studies (Precision Effects, Combined Arms, Strike, Airpower, Artillery, Information Systems, RW, Armor, Space, Logistics, etc.)**
 - **Data Base Study**
 - **Others as Identified...**

JOINT MOUT MISSION NEEDS

PHASE ICOMPLETE



- **Reoccurring Themes**
 - **Joint capabilities required (ISR, C4, CAS, etc.)**
 - **The city is more than an environment, it is a living entity**
 - **The lack of analytic tools makes quantitative MOUT analysis almost impossible**
 - **In urban areas the distinction between tactical and operational concerns is often unclear**
 - **There is a need for a single focal point to address MOUT**
 - **The term MOUT inhibits progress**
 - **Much more needs to be done to address Joint MOUT capabilities and needs**

DOD MOUT - INCREASED INTEREST

