

# AF M&S CONFERENCE 2011



## Breakout Sessions Outbrief



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# Acquisition

**Problem Statement:** Improvement in the acquisition of simulation capability is needed to better meet training requirements

**Symptom:** Simulators are not sufficiently concurrent with weapons systems

**Output:**

- (1) Consolidated Set of Issues and Challenges
- (2) Set of Community Actions
- (3) Set of Senior Leader Actions
- (4) Non-Actionable Items – Put Aside

Issue / Challenge	SECAF / CSAF	Community	Rank
1. Integration/Interoperability			
2. Contracts/Contracting – Practices, Structure and Responsiveness			
3. Program Management			
4. Funding			
5. Requirements			
6. Data, Effects and Environments			
7. Networks			
8. Workforce Development and Structure			
9.			
10.			
11.			
12.			

- Use EA-LVCE to establish a coherent approach for databases and MLS/CDS solutions
- Document a consolidated set of LVC standards
- Benchmark Army process for acquiring LVC capability
- Use standardized contract language to support LVC interoperability
- Leverage existing IDIQ contracts to support LVC procurements

- Develop a checklist that identifies all existing M&S policies and publish it
- Establish requirement/goal to complete LVC contracting actions within 60 days
- Identify “time hogs” in contracting process and remedy
- Create a database for LVC contracts
- Develop and institutionalize an AF M&S Knowledge Management System

- Designate simulators as an integral part of the weapon system with concurrency as a reportable element; simulators have changed from a support to a primary combat training platform – 5th Gen and beyond
- Include LVC usage as a specific element in strategic guidance to CFLIs for developing core function master plans (AFPD 90-11; AFI 90-1101)
- Develop an enforcement process for LVC standards

- Designate the VCSAF as the M&S champion with authority over the three communities (LVC-OT; acquisition; analysis)
- Require a more effective technology transition process
- Institutionalize a standardized approach for LVC contracts (e.g. TSA III)
- Direct “L” community participation in LVC integration efforts

- Investigate consolidating contracting of LVC into one PEO and Contracting Office
- Adopt a systems engineering approach for LVC development that addresses coherence and commonality across the lifecycle of the product line (e.g. Simulation Support Plan)

# EA-LVCE

- **M&S Foundations 5 Year Plan (Update & Align with New Structure)**
  - **Leverage advocacy from senior leadership into the plan**
  - **Frame the CDS issues and raise to a higher level**
  - **Knowledge management – need it now**
- **EA-LVCE ICD to MDD to AoA**
  - **There is a lot to examine – need to stay focused**
  - **Need to address the global ranges (all) shortfalls**
  - **Baseline the architectures**
- **Return on Investment (May Rename – Net Present Value – S&T)**
  - **Develop & document enterprise measures for USAF ROI**
  - **Baseline the cost of doing nothing**
  - **More than the flying community–“do not forget the small guys”**

# JTAC & C2

# Headquarters Air Combat Command

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## JTAC & C2 Breakout Session Results



This Briefing is:  
**UNCLASSIFIED**

ACC/A3FC  
DSN 574-8384  
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# ***Plan of Action & Milestones***

- **LVC JTAC task analysis – 3<sup>rd</sup> Qtr FY12 HAF A3O-AY**
- **ARCNET connections and usage metrics – FY12 ACC/A3F**
  - **TACTICS LMS logs**
- **DMON cross domain integration – FY12 ACC/A3**
  - **SDWG FY11**
  - **ARCNET 1 – ARCNET 2 connections**



# ***Plan of Action & Milestones***

- **Simulator Workforce development ACC/A3F**
  - LVC-OT training – AFAMS DB and IA courses FY12
  - Information Assurance – Security+ certification FY12
- **JTAGSS transition to ASC2S2 – FY12 ASC/WNS**
- **AC2S2 acquisition strategy 1<sup>st</sup> Qtr FY12 ASC/WNS**
- **AOSS ATO and hardware standardization – 1<sup>st</sup> Qtr FY12**
  - 505 CTS AOC products and White Cell support
    - MOA/Expectations between ops community & 505th



# ***Plan of Action & Milestones***

- **J/TOSS ATO and SAF for stand-alone capability**
  - 1<sup>st</sup> Qtr FY12 ATO for Version 1.0
  - JFS ESC accreditation documentation 1<sup>st</sup> Qtr FY12
- **JTC TRS-Fixed Production contract to fielding 4<sup>th</sup> Qtr FY12**
- **JTC TRS-Portable Production contract to fielding 4<sup>th</sup> Qtr FY12**
- **MCTP Integration – 4<sup>th</sup> Qtr FY11**
  - Determine funding requirements/contract for software modification
  - Determine 505 CTS funding requirements for contract support



# ***Plan of Action & Milestones***

- **Green Flag LVC integration**
  - **Sustainment decision and 3 channel 3<sup>rd</sup> Qtr FY12**
- **CAOC-Nellis AODB (ASOC TBMCS) start FY12**
- **USAFE status/options – J/TOSS Ver 1.1**
- **AFSOC status/options – TBD**
  - **Interim systems review**



# QUESTIONS?



# Cyber

# Actionable Cyber M&S Recommendations for SECAF/CSAF

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- **Champion EA-LVCE effort for M&S support of cyber ops & training**
  - **Direct AF to participate in joint and international protocol/data standards & policy development for interoperability**
  - **Cyber session ID'd efforts at USCC, DISA, NSA, DHS, W3C, IEEE and SISO**
  - **OPR: HAF/A3**

- **NLT Oct 11: Apply new Joint requirements to CF12-1 M&S support**
  - **Assess M&S-based cyber COP against USCC draft SA ICD**
  - **Capture M&S lessons learned for future joint exercises**
  - **OPR: AFAMS**
- **FY12: Leverage industry best practices for Cyber SA**
  - **ESC/XR 2011 Study focused on three cases—expand in future**
  - **OPR: ESC/XR**
- **Normalize USCC and AF Cyber M&S requirements processes**
  - **Capitalize on STRATCOM Cyber Training Initiative**
  - **OPR: AFAMS    OCR: AFSPC/A5**

# Space

- NONE
- JSTF is on track
- HAF/A3F, Maj Gen Bolton, has oversight
  - Discussed update briefing scheduled for 23 August
  - JSTF Joint Management Team org structure, reporting chain needs to be addressed at a later date
  - Joint initiative, but very AF centric - Senior leadership of other Services/agencies may need to become engaged at later date

- **GEG has been integrated into JLVC and is being tested in JLTCC**
  - **Upcoming Blue Flag will be first case use for GPS jamming**
  - **Operational community needs to determine how to use technical solution for Operational Training**
- **Explore shared equities between Space and Cyber M&S**
- **IA issues: Are there lessons learned in transitioning a system from unclassified stand-alone to classified networked environment?**
- **STTR going down the M&S path – lack experience**
  - **Request “tactical/engineering” level examples**
  - **Request best practices**
  - **Request continued M&S interaction and increased integration**
  - **Request standards for information transition**

# Information Assurance

# *Near-Term IA Actions for AF M&S Community*

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- Investigate feasibility of establishing single M&S DAA/CA
  - M&S PIT/PITI DAA consideration
  - AFCAP Technical Advisory Group coordination
  - AF/A3 and SAF/A6 (AF CIO) coordination
- Establish single M&S CAR at the AFNIC dedicated to M&S C&A
- Exploit software certification process for M&S applications – APL/EPL
- Develop comprehensive IA personnel investment strategy
  - Investigate use of IA SMEs to train and advise M&S community
  - Explore use of security IA interns among the M&S community
  - Leverage existing AFNIC training opportunities
  - Establish classroom training for AF M&S IA personnel (mobile also)
- Add contractual language for RFPs to ensure IA-certified professionals
- Coordination with SAF/AAZ to streamline process for network connectivity
- Collect metrics on C & A activities, analyze for process improvements

# Virtual

- **Strategic Guidance To MAJCOMS: Direct MAJCOMs to Define (Joint/Coalition) Training Requirements (OPR: AF/A30)**
  - **Identify the training partners**
  - **Work, Review, Renew Policies, AFPDs, AFIs, Strategic Plans**
- **Develop AF-Level Interface Protocols and Data Structure Standards for Routine Connectivity and Integration; Push Developed AF-Level Solutions to IEEE (OPR: AFAMS)**
- **Assist with ITARS and TAAs; Review, Coordinate, and Push to Publish SAF/IA Baseline Document (OPR: SAF/IA)**

# *Near-Term Virtual Actions for AF M&S Community*

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- **Persistent Training Solutions...Connected to DMOC and DTOC;  
Provide assistance to close training gaps and enable more  
frequent training opportunities between AFSOC and CAF/MAF  
(OPR: HAF/MAJCOM O-6s)**

# Perennial M&S Problems

# *Perennial M&S Problems Recommendations for SECAF/CSAF*

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- **Certain problems routinely affect the AF (including the M&S community) and are raised at every AF M&S Conference**
- **Draft handout for comments addressed five of these perennial problems:**
  - ❖ **Interoperability**
  - ❖ **Sustainment**
  - ❖ **Coalition Integration**
  - ❖ **Single, Identifiable AF-level Senior Leader for M&S**
  - ❖ **Using AF Simulation to Protect Readiness and Significantly Lower Cost**