

Headquarters U.S. Air Force

Integrity - Service - Excellence

Live-Virtual-Constructive Simulation Integrated Environment for the USAF



U.S. AIR FORCE

**Col Lou “Spanky” Olinto
11 March 2008
DoD M&S Conference**

Report Documentation Page				Form Approved OMB No. 0704-0188	
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1. REPORT DATE 11 MAR 2008		2. REPORT TYPE N/A		3. DATES COVERED -	
4. TITLE AND SUBTITLE Live-Virtual-Constructive Simulation Integrated Environment for the USAF				5a. CONTRACT NUMBER	
				5b. GRANT NUMBER	
				5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)				5d. PROJECT NUMBER	
				5e. TASK NUMBER	
				5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) U.S. Air Force				8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)				10. SPONSOR/MONITOR'S ACRONYM(S)	
				11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release, distribution unlimited					
13. SUPPLEMENTARY NOTES 2008 DoD M&S (Modeling and Simulation) Conference, presentations held in Orlando, Florida on March 10 - 14, 2008, The original document contains color images.					
14. ABSTRACT					
15. SUBJECT TERMS					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT UU	18. NUMBER OF PAGES 7	19a. NAME OF RESPONSIBLE PERSON
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified			



General Fogleman Vision ***~ 1995***



**Gen Fogleman's
task is still
relevant
and
accomplishing it
is a
priority!**

**“...allow us to demonstrate
the flexibility, responsiveness
and utility of air power in peace
and war.”**

**“...get senior leadership
understanding and involvement
in the development of an
accelerated Air Force M&S
Program.”**

*source: A New Vector for Air Force Simulation,
Gen Ronald Fogleman, Air Force Chief of Staff, Jan 95*





Air Force Agency for Modeling & Simulation

MISSION

- Orchestrate and provide AF support for OSD, Joint, and AF M&S activities
- Facilitate the appropriate representation of air, space, and cyberspace in M&S
- Explore new warfighting concepts, roles, and missions
- Ensure AF personnel have the appropriate M&S skills, experience, and training
- Maintain configuration control for and modernize selected models
- Establish high level architectures, interoperable databases, protocols, and standards
- Act as a central repository and / or access point for AF M&S knowledge

VISION

The Air Force Center of Excellence for modeling and simulation delivering realistic, reusable, and cost-effective tools for operations, training, analysis, and acquisition support – ensuring the contributions of air, space & cyberspace are accurately represented to the Joint Warfighter.



Orlando Personnel

Military: 16

Civilian: 15

Contractor: 25

Budget – FY08

AFAMS: \$3M

AFRL: \$47M

677 AESG: \$407M

507 ACSS: \$523M



Training Systems Product Group



- Air Force Research Lab
- 677 Aeronautical Systems Group
- 507 Aircraft Sustainment Squadron

Air Force organizations that support warfighter training through the use of modeling and simulation techniques. Collectively provide the warfighter with a full range of training system lifecycle support.

MISSION

Lead the development, acquisition and sustainment effort necessary to meet every MAJCOM's simulation and training requirement.

VISION

Provide the world's best training systems to the combat forces of today and tomorrow.



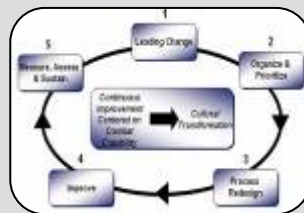
Weapon System Capabilities



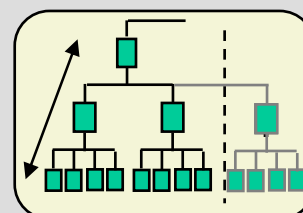
Range Capabilities / Limitations



Asset Availability



AFSO 21

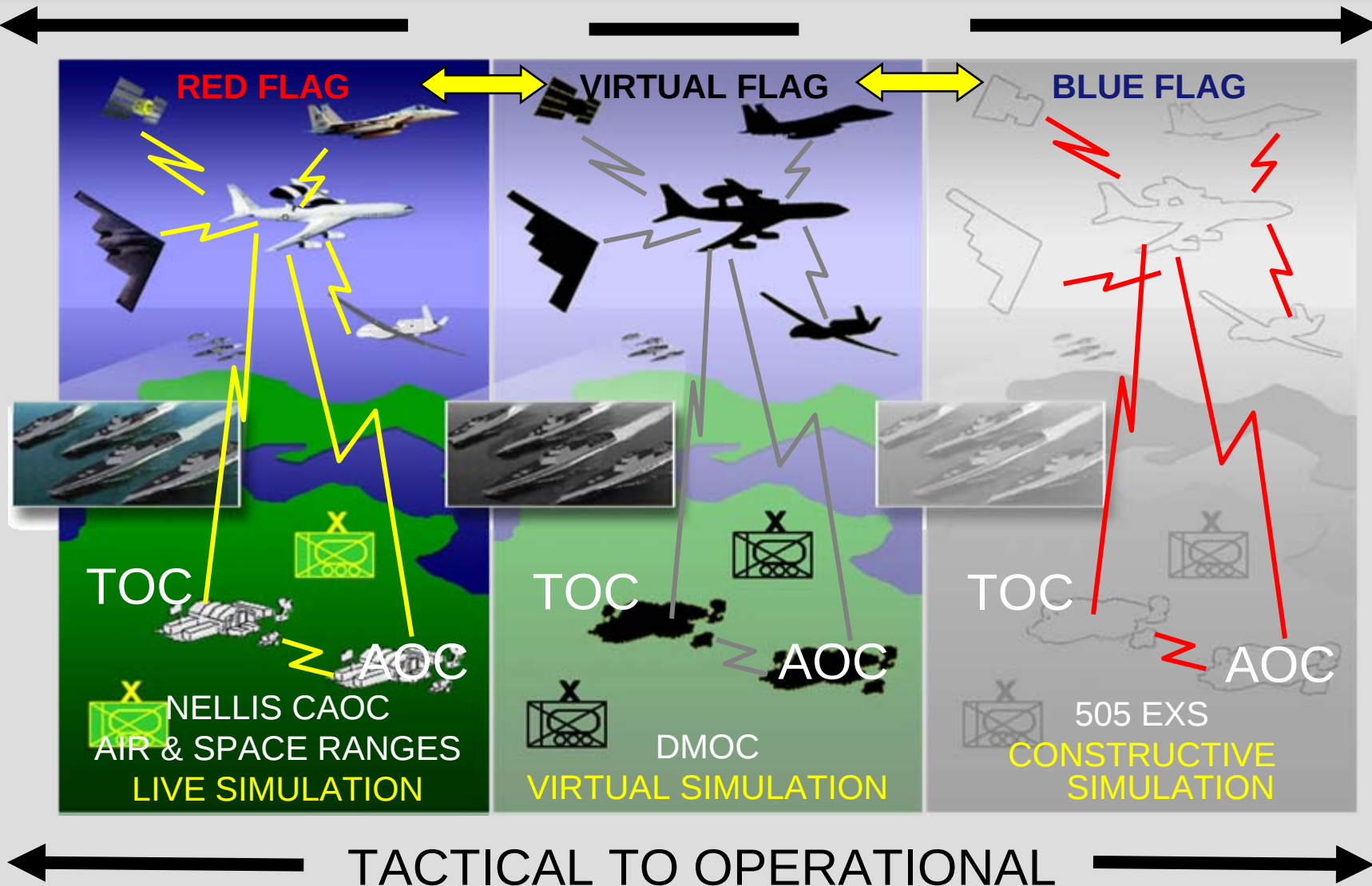


PBD 720

Everything Has a Joint Context



LVC Integration Challenge





LVC Capabilities

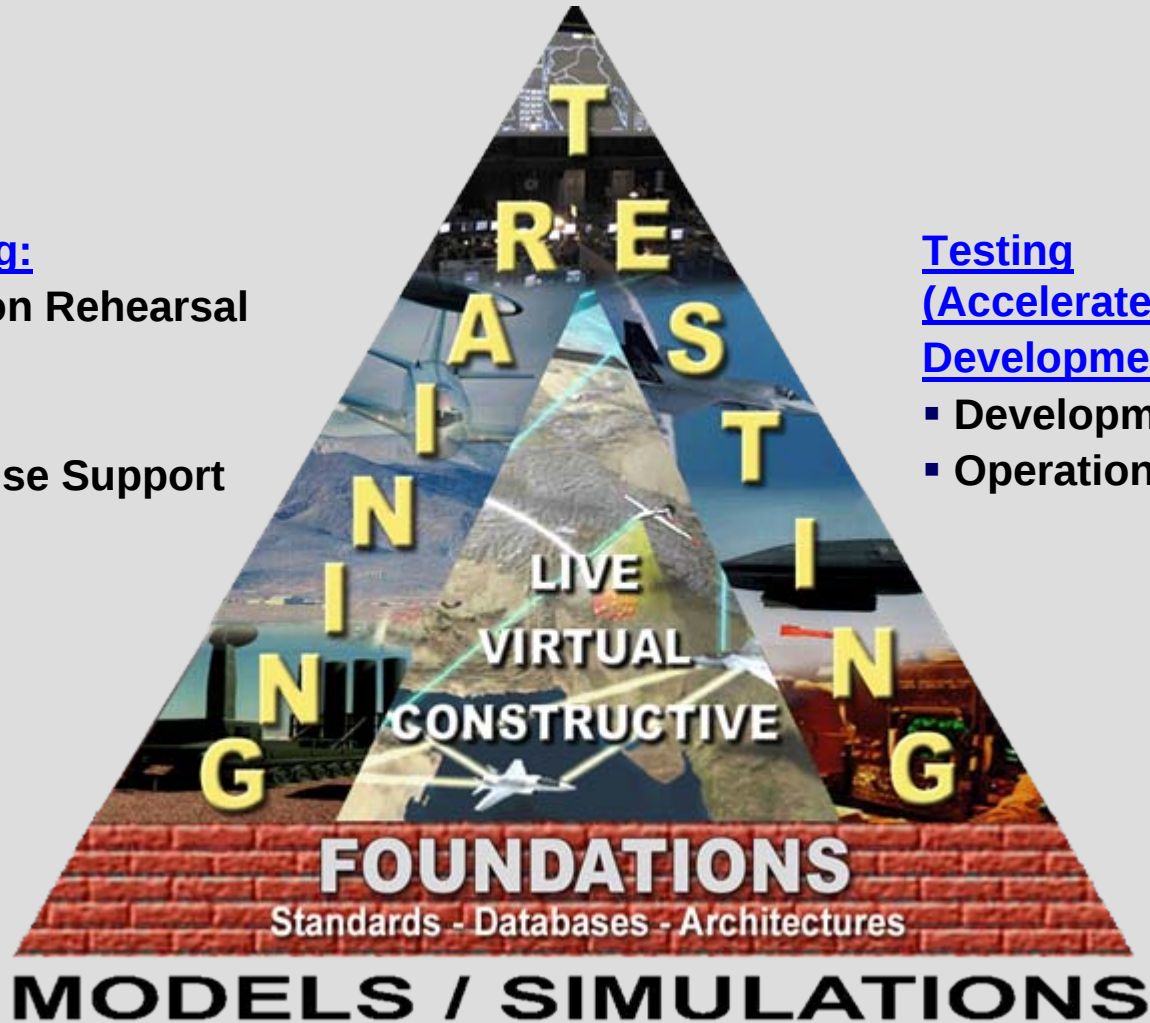
What Are We Trying To Do?

Training:

- Mission Rehearsal
- DMO
- AOC
- Exercise Support

Testing (Accelerated Development):

- Developmental Test
- Operational Test





AFAMS

— Advancing Air Force M&S

To Support the Warfighter