



DMOC-S Project Status

AF M&S Conference

17 Aug 2011

Mr. Chris Fell

Chief, DMOC-S Engineering



- **Project Descriptions**
- **GPS Environment Generator (GEG) Milestones**
- **Space Systems Generator (SSG) Milestones**
- **Standard Space Trainer (SST)**
- **UEWR Integrated Trainer (UIT)**
- **JLVC 5.0 FOM Testing**



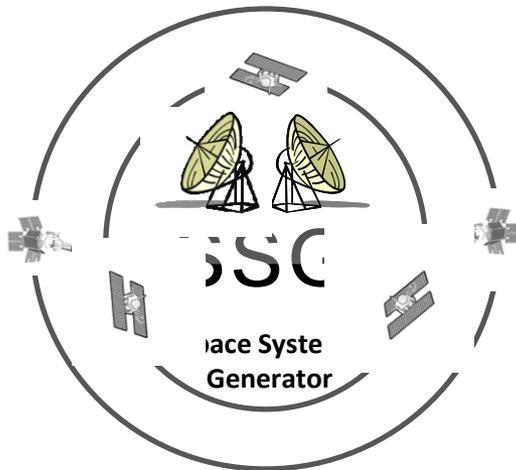
PROJECT DESCRIPTIONS



Descriptions

Active Initiatives

<u>TITLE</u>	<u>OVERVIEW</u>
GPS Environment Generator (GEG)	Provide an exercise interface (DIS/HLA) so that individual exercise players (e.g. weapons) can receive high fidelity PNT environmental data
Space Systems Generator (SSG)	Provide a space order of battle (Space OB) through a DIS/HLA machine-to-machine interface
Standard Space Trainer (SST)	SST architecture compliance with Distributed Interactive Simulation (DIS) / High Level Architecture (HLA) requirements for integration with DMO-S
UEWR Integrated Trainer (UIT)	Develop an advanced training system that provides the capability for operators to conduct Missile Warning, Missile Defense, and Space Surveillance scenarios together via the primary UEWR training suite and ultimately in LVC events





GEG Milestones

- ✓ **30 Apr 07 – Optimized code for Multi-processing**
- ✓ **26 Sep 07 – Shadow Advanced Concept Event (ACE)**
- ✓ **02 Apr 09 – SIDC C&A for GEG 1.0.1**
- ✓ **14 Apr 09 – Conducted analysis for SMC in ACE 2009**
- ✓ **29 Nov 09 – JLVC Spiral 3.1 Testing with AWSIM**
- ✓ **17 July 10 – GEG upgraded to integrate with JFCOM**
- ✓ **27 Nov 10 – Tested and accepted in JLVC 4.1 FOM**

Development Horizon

- JLVC 5.0 FOM Testing**
- BF 11-2 participation**



SSG Milestones

- ✓ 29 Nov 09 – JLVC Spiral 3.1 Testing with AWSIM
- ✓ 26 Feb 10 – IOC of V. 2.2.1 new exercise GUI
- ✓ 19 Apr 10 – AF Certification on AF E/APL
- ✓ 17 Jun 10 – Operational on STEN/JTEN
- ✓ 27 Jun 10 – Integration with ISSA 5.0
- ✓ 27 Nov 10 – Tested and accepted in JLVC 4.1 FOM
- ✓ 15 Apr 11 – 14AF/CC JSTF Demo
- ✓ 15 May 11 – CDRUSSTRATCOM JSTF Demo

Development Horizon

- JMS Integration
- JLVC 5.0 FOM Testing



DSCS Standard Space Trainer (SST)

Purpose

The Defense Satellite Communications System (DSCS) SST architecture will be compliant with Distributed Interactive Simulation (DIS) / High Level Architecture (HLA) requirements for integration with the Space Domain of Distributed Mission Operations (DMO-S)

Issues

➔ Sustainment strategy for legacy systems

➔ HLA-compliance anticipated NET 2013 (requirement deferred). This will be explored further when the WGS MSVP is developed, which could then interoperate with the DSCS MSVP. Will either need to add SST objects to an existing FOM/SOM, or create a new FOM/SOM.

Project Specifics

Stakeholders DMOC-S, 3 SOPS

Requirements AFSPC Direction

Cost **Funding Source:** DMO-S

Schedule
ATP Date: 4 Jan 11
Prerequisites: H/W procurement and installation/integration
Integration Date: TBD

Deliverables (Not All-Inclusive)
Site Installation/Integration Plan, MFR

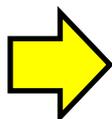


UEWR Integrated Trainer (UIT)

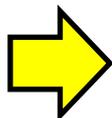
Purpose

Integration of the primary UEWR training suite with DMO-S through injection of exercise data into any/all USTs to stimulate the crew response during an LVC event.

Issues



Schedule not solidified.



Technical risk may be greater than originally anticipated with steeper than anticipated learning curve for 81 TRSS developers.

Project Specifics

Stakeholders

DMOC-S, 81 TRSS, SCNG/STAO, AFSPC/A3TT, AFSPC/A3FG, 21 OG, 7 SWS, 12 SWS, RAF Fylingdales

Requirements

Development systems
Accreditation

Cost

Funding Source: DMO-S

Schedule

ATP Date: 25 Feb 08
Prerequisites: PDUs and playback tool; connectivity
Integration Date: FY12/13

Deliverables (Not All-Inclusive)

MOA between DMOC-S and 21 OG; Operational UIT



JLVC 5.0 FOM TESTING

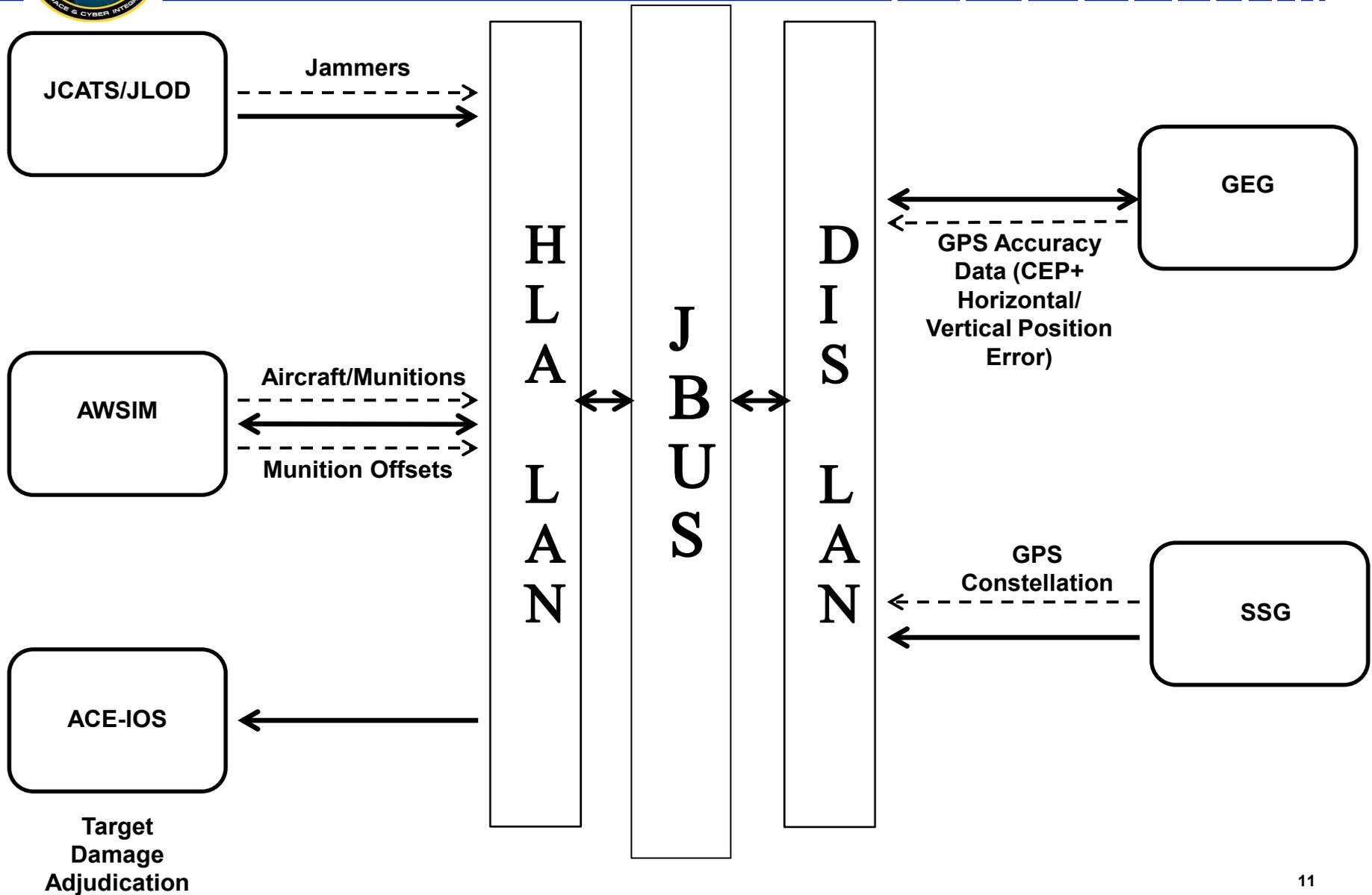


JLVC 5.0 FOM Testing

- **Includes SSG and GEG within JLVC FOM**
- **Timelines**
 - ✓ **Integration Event #3 / Validation Event (VE) #1, Jun 11**
 - ✓ **VE #2, 25-29 Jul 11**
 - **VE #3, Sep 11 (Acceptance)**
 - **BF 11-2 Testing this week**
- **Conducted with AWSIM and JCATS Low Overhead Driver (JLOD)**
 - **AWSIM: Air and munitions entities**
 - **JLOD: Jammer entities**



Data Flow Diagram





Summary

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