



Simulator Common Architecture Requirements & Standards (SCARS)

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Disclaimer: The information provided herein represents the Government's best understanding of the SCARS strategy as of the presentation date. This information should be considered preliminary and subject to change.



Overview

- Points of Contact
 - SCARS Government IPT
 - Problem Statement
 - Mission Statement
- SCARS and LVC
- SCARS Next Steps
 - Key Takeaways



SCARS Points of Contact

Ms. Linda Rutledge, PEO/ACS

Col Daniel “Ghandi” Marticello, AFLCMC/WNS

Col Philip Carpenter, AFLCMC/WNS

Col Steven Beyer, AFLCMC/WNS

Lt Col Joshua Lane, AFLCMC/WNS

Mr. Heath Morton, AFLCMC/WNS

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SCARS – Problem Statement



Sustainment of multiple unique simulators and training devices is becoming cost-prohibitive in an increasingly demanding cyber environment

Differing underlying hardware/software configurations
Individual platform baseline management
Multiple program obsolescence states



SCARS will be a key enabler of the training systems cyber security framework.



Mission Statement

Establish a common open system architecture for AF (air) training systems across 40+ systems that enables and ensures:

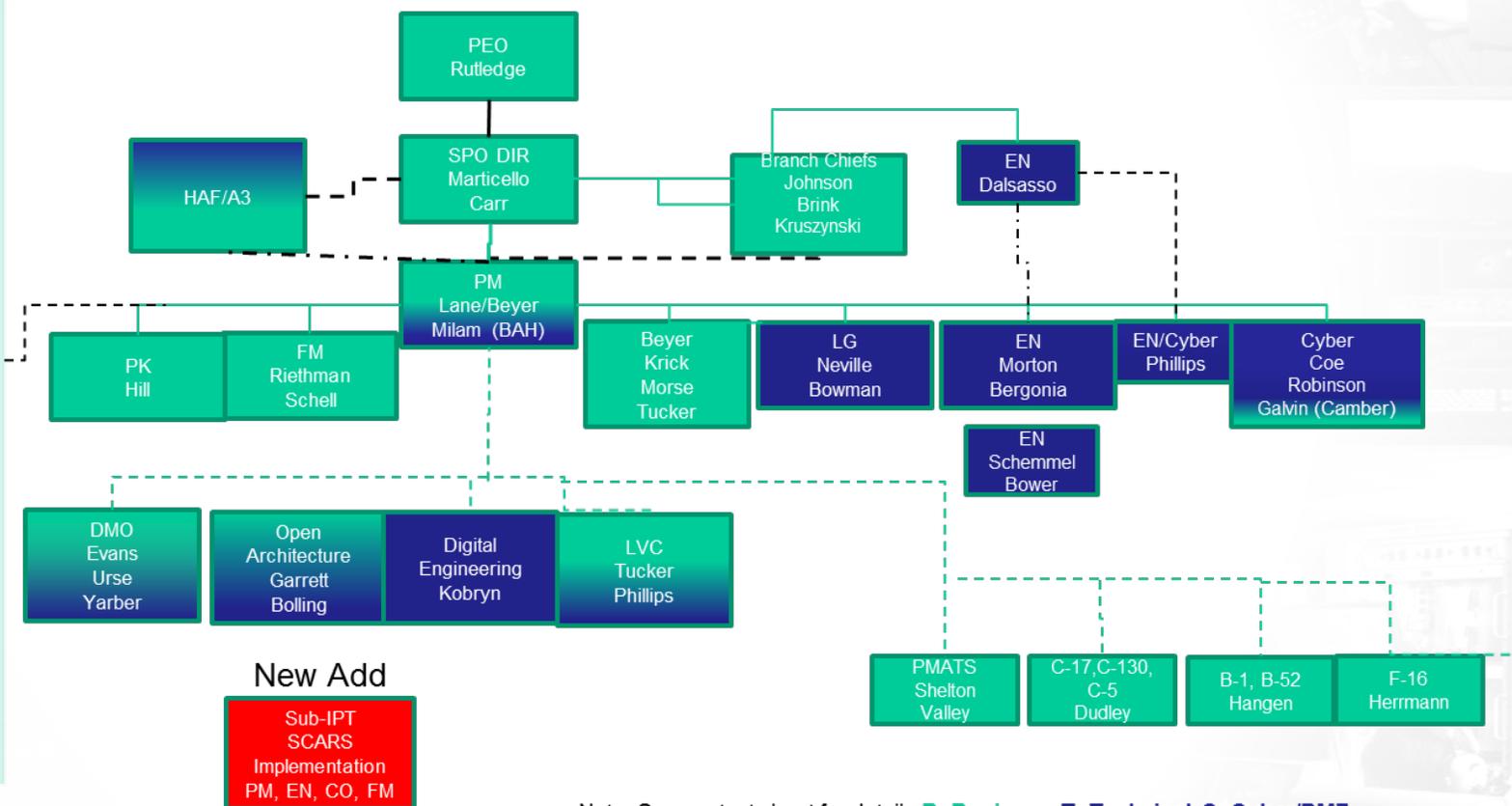
- An enhanced cyber security posture
- More efficient sustainment of 40+ unique simulator baselines
- A cyber-secure sustainable virtual-constructive (VC) training system capability
- A key foundational infrastructure for Live-Virtual-Constructive training

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SCARS Org Chart & SCARS Enterprise IPT

- SCARS Enterprise IPT Members
- AFRL/RI
 - 519/309 SWMG
 - AFRL/RHA
 - AFLCMC/XZS
 - 711/RHAS
 - AFAMS
 - SPACE
 - CYBER**
 - F-22
 - F-35**
 - PEO/STRI
 - NAWCTSD
 - JSIL
 - PMA 205/209



As of 28 Feb 17

Note: See contact sheet for details **B=Business, T=Technical, C=Cyber/RMF**
Dashed lines = coordinating relationships

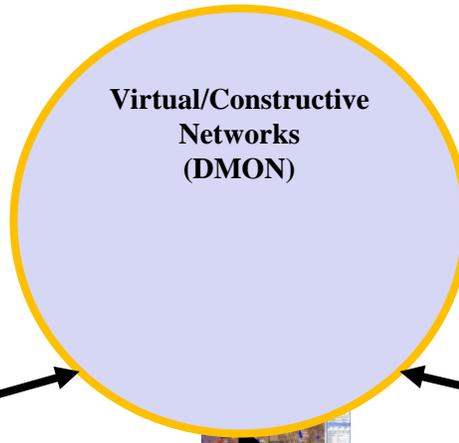


SCARS & LVC

Common Architectures

Family of Common architectures enable LVC enterprise

- Common DMON LVC network
- SCARS (airborne platforms)
- SST (space platforms)
- Common cyber systems



- Open air live linkages
- Live 5th gen platforms
 - Range assets

SCARS (AIR)



- CAF/MAF/AFSOC Platforms

SST (Space)



- 24 Space Systems
- GPS, SBIRS, GSSAP, etc.

Cyber Training Systems



- Cyber Systems
- C3MS, CSCS, NAS, etc.

The Operational Training Enterprise Must Move Towards Greater Commonality Across All Domains (Air, Space, Cyber)



SCARS Next Steps

- FY17 Focus initial effort on studies and targets of opportunity
 - Leverage existing commons and standards to maximum extent
 - Potential: Image generators, databases, network and cyber elements
 - Studies and characterization; Data collection and analysis
 - Reference Architecture – RFP shaping
 - SCARS industry day - 4th quarter FY17
- FY18
 - Follow on studies and pathfinders to refine SCARS
 - Leverage Targets of Opportunity with ongoing obsolescence and CLS activities
 - SCARS incremental conversions via planned contractual actions
 - Draft RFP early FY 18
 - RFP release for SCARS Increment 1 effort – targeted third quarter FY18
- FY19 Contract Award
 - Architecture/Standards Development & Standards Maintenance
 - Conversion of up to 3 systems including initial CLS/TSSC



Key Takeaways



- Acquisition planning began: Jan 2016
- SCARS is enterprise standards-based activities to address cyber resilience
 - Implemented via platform training system contracts
 - Focused on enterprise efficiencies and effects
 - Adhering to key tenants of BBP 3.0
 - Addressing Open Architecture principles
- SCARS funded in FY18-22
- Ongoing Industry engagement
 - Potential studies
 - Feedback opportunities with draft RFP
 - O&I governance
- Estimated draft RFP: January 2018
- Estimated RFP: May/June 2018
- Estimated Award: Early/Mid FY 19
- Industry will obtain updates via FBO

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Questions?

