



SPACE SYSTEMS INTEGRATION OFFICE



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Deputy Director

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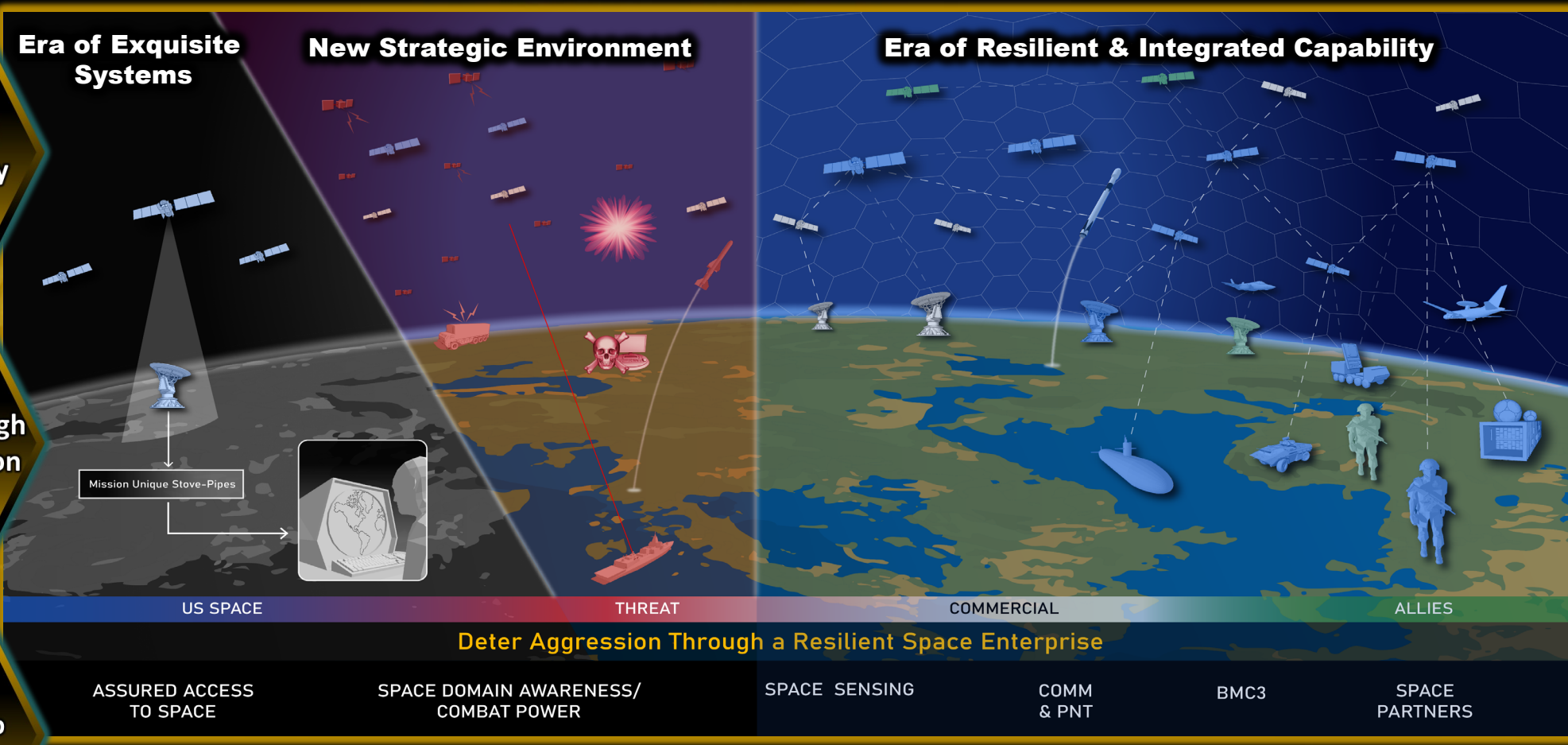
Space Systems Integration Office

VISION
Era of Resilient and Integrated Capability

MISSION
Unity of Effort through Enterprise Integration

VALUE

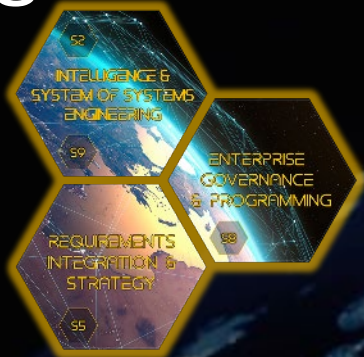
- Integrated POM
- Enterprise Roadmap
- Enterprise Enablers



DoD's Space Enterprise Integrator – Enabling a Warfighting Enterprise



Organization – Value to the Space Enterprise



Space Systems Integration Office

Warfighting Integration
Office (WIO)

International Affairs (IA)

Intelligence & System of Systems Engineering (SoSE) (S2* & S9)

- Threat Intel teams embedded with PEOs
- Enterprise Specifications, Standards, & Interfaces
- Digital Engineering/ Transformation
- MS&A
- Systems Integration Forum (SIF)
- Tech Governance: SERB & ECCB
- Command Test

Enterprise Enablers

Enterprise Governance & Programming (S8)

- Program Integration Council (PIC) Secretariat
- Acquisition Leadership Sync (ALS) Secretariat
- Strategic planning
- Strategic investment analysis
- Financial planning and programming
- FFRDC Management Office

Integrated POM

Requirements, Integration & Strategy (S5)

- Integrated architectures & requirements in collaboration with SWAC & key stakeholders
- Future enterprise architectures
- Advanced concepts & Requirements
- Technical Agents
 - Kill chain vignettes: Ground, C2, Data Transport, and Enterprise Resiliency
 - Technical arm of ALS and PIC

Enterprise Roadmap

LEADERSHIP TEAM



OBJECTIVES

Integrate the Space Enterprise through SoSE



Optimize SSC Funds & Integrate w/ Mission Partners



PRIORITIES



C3BM

*Command Control Communications
Battle Management*



Space Data Transport



Design Reference Missions

United States Space Command



DoD's Space Enterprise Integrator



End-to-end Capabilities



SSIO integrates disparate systems into a *Warfighting Enterprise*

SSIO Wins

Lines of Effort

Enterprise Roadmap

- C3BM integration: Protect and Defend, Counter-Air & Counter-Maritime
- SWAC/SSIO Force Design Sync
- C2 gaps & fixes for '26 fight
- ESS resilient architecture
- Established Roadmap Process

Integrated POM

- SECAF-approved FY25 POM
 - SSIO-hosted USSF POM build
 - +\$1B for SSC cyber/PTS/O&M
- Justified FY24 POM's \$8.5B TOA increase to Congress
- Successfully delivered \$3.7B FYDP capability focused POM aligned with: SECAF, Ols, CSO & SSC/CC Priorities, Sister FLDCOM & Mission Partner equities, and CCMD IPLs.

Enterprise Enablers

- Stood up SIF, SERB, & ECCB
- Awarded USSF-wide DE contract
- SSC/SSIO and NAVWAR MOA
- SSC/SSIO NRL/SSC MOA
- Fast-tracked Spectrum/RF cert
- Integrated Test Force MOA- Four ITF Pathfinders

Priorities

C3BM

- ASE TIM Space Mission Integration Team- C2 needs
- "Treeshaker" Modeling, Simulation, and Analysis
- Baseline architecture for space-DAF Battle Network

Space Data Network

- Space Networking Forum (SNF)
- Protect & Defend Summit
- Optical Comm Terminal Review Study

USSPACECOM DRMs

- Objective Functional Architecture
- Federated Enterprise C2 Architecture (System View-1/SV-2)
- JSOP incorporation in "Treeshaker" Mission Thread Analysis
- C2 Concepts Workshop



SSC AI Initiatives

Transforming Space Operations

Next Gen OPIR
GEO



Threat



Allied Sensor

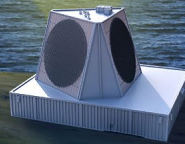


Space Domain
Awareness Sensor



AI MODELS FOR RENDEZVOUS
PROXIMITY OPERATION DECISION MAKING

OPTIMIZE SIGNAL PROCESSING
AND TARGET TRACKING



AUTOMATION & OPTIMIZATION OF ANTENNA
DESIGN, PERFORMANCE, AND EFFICIENCY



AUTOMATION OF ROUTINE TASKS
FOR WORKFLOW EFFICIENCY



AUTOMATED/AI/ML THREAT ID AND
C2 TASKING TO RAPIDLY EXECUTE
DEFENSE OPTIONS

