

GLOBAL SOF: ***THE ASYMMETRIC STRATEGIC OPTION FOR A VOLATILE WORLD***

Art Coon

DIRECTOR, ENTERPRISE INFORMATION SYSTEMS

OVERVIEW

SPECIAL OPERATIONS FORCES ACQUISITION, TECHNOLOGY, & LOGISTICS



ENTERPRISE INFORMATION SYSTEMS (EIS)

VISION

One Force, One Environment

- End to end seamless global connectivity for data driven decisions across controlled unclassified, classified secret, top secret, and special access networks.

MISSION

- EIS delivers enterprise-level IT capabilities that enable end-to-end collaboration, messaging, and content management across the SOF Information Enterprise.



FUNDING

	<u>FY25</u>	<u>FY26</u>
• RDT&E:	\$1.7M	\$1.7M
• PROC:	\$110M	\$137M
• O&M:	\$512M	\$745M

DIRECTORATE FOR ENTERPRISE INFORMATION SYSTEMS (EIS) (2025)

ENTERPRISE SYSTEMS

Special Operations Command Research, Analysis, and Threat Evaluation System (SOCRATES)



C4 Information & Automated Systems (C4IAS)



Media Production Center (MPC) & MISO Print



TRANSPORT

Command & Control ISR Transport (C2ISR-T)



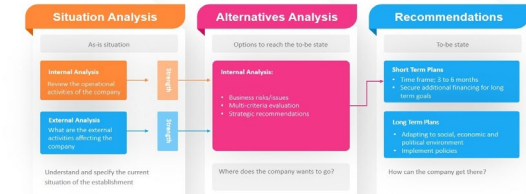
SCAMPI



SOF INTEGRATION FACILITY

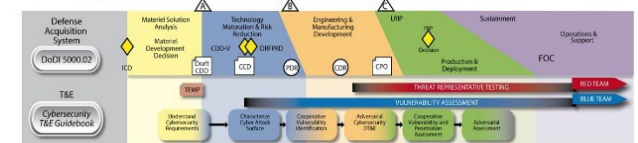
Analysis of Alternatives / Solution Development

ANALYSIS OF ALTERNATIVES

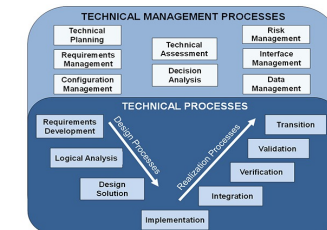


CYBER

Cybersecurity Test and Evaluation Swim Lane



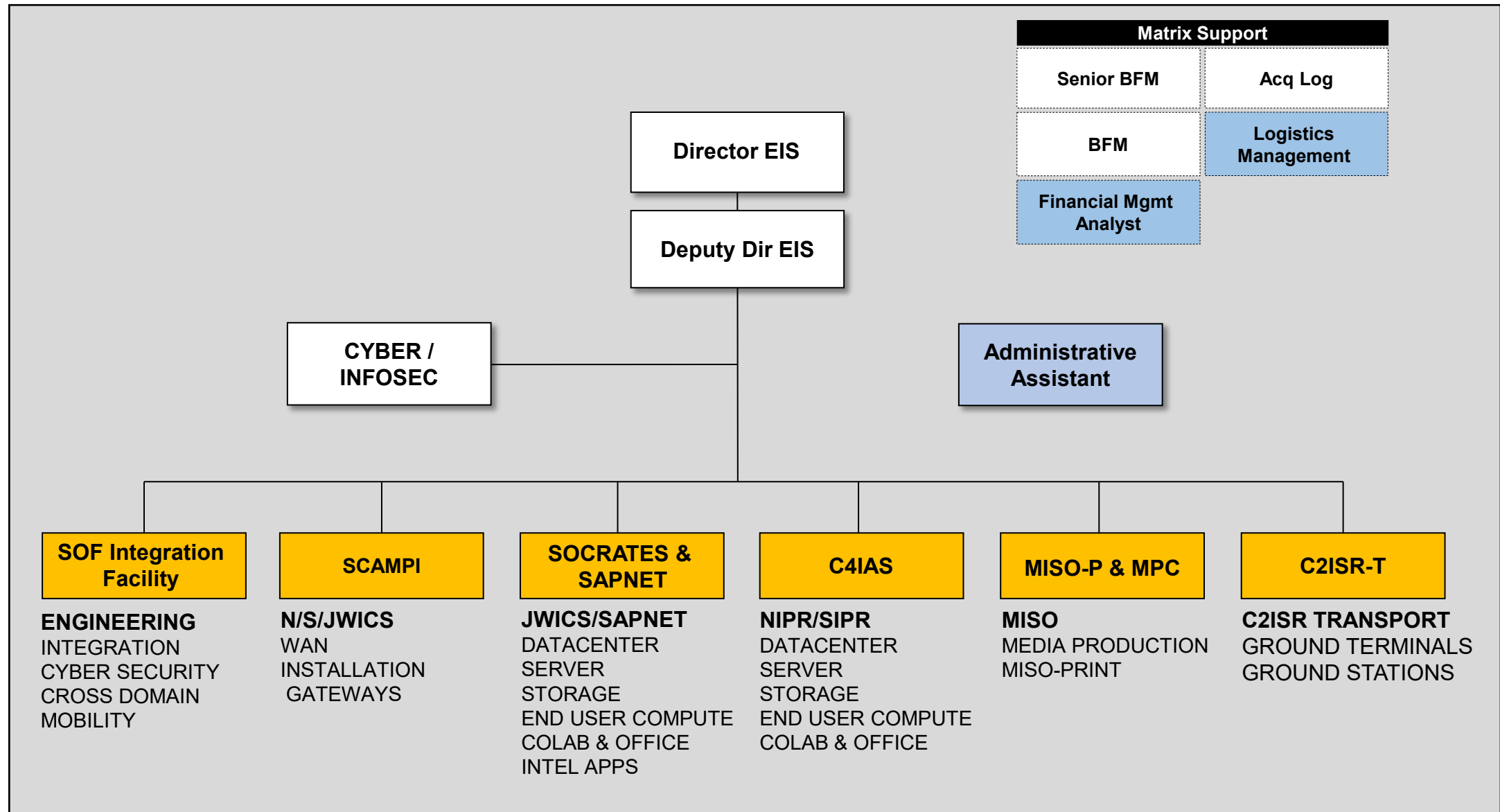
Engineering and Integration



Solution Delivery

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ENTERPRISE INFORMATION SYSTEMS



- **Modernize**

- Reduce Tech Debt
- Divestments
- Consolidation
- Support for High Throughput SATCOM (HTS)

- **Transform**

- Hybrid Cloud
- Combined Joint All Domain C2 (CJADC2)
- Joint Operational Environment (JOE)
- Data Centric

- **Secure**

- Zero Trust (ZT)
- Crypto Modernization

COMMAND, CONTROL, COMMUNICATION, COMPUTERS, AUTOMATION AND INFORMATION (C4IAS)

- Provides SOCOM unclassified and classified garrison infrastructure and end user devices
- Capabilities Include: enterprise level services, local area network devices, management appliances, classified mobility access, disaster recovery, cyber security systems, computers & peripherals, multi-function printing devices, office automation tools, & business collaboration tools



ACQUISITION STRATEGY

- Commercial Off-the-shelf (COTS) Hardware & Software
- Future capabilities: Technology Insertions

PERIOD OF PERFORMANCE

- These systems are supported by multiple contracts (~120)

MILESTONES

- End User Device Life Cycle Replacement
- Infrastructure Block Upgrades
- Technology Enhancements and Modernization
- Zero Trust Compliance

POINT OF CONTACT

- USSOCOM SOF AT&L, Engage SOF (eSOF) / VULCAN, eSOF@socom.mil

FUNDING

	<u>FY25</u>	<u>FY26</u>
• O&M	\$190.847M	\$223,916M
• PROC	\$45.526M	\$67,388M

PRIORITIES / MODERNIZATION EFFORTS

- **Priorities**

- Identity, Credential, & Access Management (ICAM)
- Information Technology Service Management (ITSM)
- Container Management Architecture
- Commercial Solutions for Classified (CSfC)
- Zero Trust Network Access (ZTNA)
- Micro-segmentation

- **Modernization Efforts**

- Commercial Solutions for Classified (CSfC) Mobile Access Capability
- Cross Domain System (CDS)
- Security Information & Event Management (SIEM)
- Security Orchestration, Automation & Response (SOAR)
- User Entity & Behavior Analytics (UEBA)
- Backup and Disaster Recovery (DR)
- Containerized applications and virtual appliances
- Post-Quantum Cryptography (PQC)
- Distributed Hybrid Infrastructure (DHI) Management

CHALLENGES / OPPORTUNITIES

- **Challenges**

- Limited staff
- Budget uncertainties
- Tarif impacts on costs & lead times
- Subscription licensing
- Bundled offerings

- **Opportunities**

- Acquisition strategies
- Artificial Intelligence for Operations (AIOps)
- Commercial Solutions for Classified, Data on Device solutions

SOC RESEARCH, ANALYSIS, AND THREAT EVALUATION SYSTEM (SOCRATES)

- Provides the SOCOM Intelligence Automation Enterprise Architecture Ensuring Interoperability with Department of Defense (DoD), National, and Service Intelligence Information Systems.
- Capabilities Include: Domain Services; Email/Messaging; Database Management; Web Services; Storage Management; Network Management; User Assistance; Disaster Recovery; Unified Communications; Access to National, Theater, & SOF Databases; Imagery/Geospatial Processing, Dissemination, Exploitation, Analysis and Archiving; Targeting; Track Management, and Mapping Distribution.



ACQUISITION STRATEGY

- Commercial Off The Shelf (COTS) and Non-Developmental Items (NDI)
- Future Capabilities: Technology Enhancements and Modernization

PERIOD OF PERFORMANCE

- SOCRATES Enterprise is Supported by Multiple Contracts

MILESTONES

- Capital Equipment Replacement Program
- Technology Enhancements and Modernization

POINT OF CONTACT

- USSOCOM SOF AT&L, Engage SOF (eSOF) / VULCAN, eSOF@socom.mil

FUNDING

	<u>FY25</u>	<u>FY26</u>
• O&M	\$45.6M	\$33.9M
• PROC	\$12.4M	\$33.8M

PRIORITIES / MODERNIZATION EFFORTS

- **Priorities**

- Top Secret (TS) Zero Trust Security Model Framework
- Multi-Factor Authentication Implementation
- 802.1X Implementation
- Cross-Domain System Installation

- **Modernization Efforts**

- In Search of Raise-the-Bar Cross-Domain Solution
- Pacific and European Theaters
- TS Level Hybrid Cloud Initiatives
- Mapping Distribution
- Backup and Recovery

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CHALLENGES / OPPORTUNITIES

- **Challenges**

- Decreasing Budgets and Inflationary Costs
- Long lead times for equipment delivery

- **Opportunities**

- Virtualization Technology
- Geospatial Intelligence Capabilities
- Continuity of Operations Features

MILITARY INFORMATION SUPPORT OPERATIONS PRINT (MISOP)

- The MISOP System is a family of systems (FoS) designed to support Global Combatant Command (GCC) MISO print requirements using commercially available digital presses and auxiliary equipment for the creation, editing, and production of MISO print products. The FoS supports small units to an entire theater of operations. The MISOP FoS consists of three variants:
 - Tactical MISOP-Light
 - Deployable MISOP-Medium
 - Strategic MISOP-Heavy (Divested FY25)
 - Converting a MISOP-Medium to a MISOP- Medium Fixed



ACQUISITION STRATEGY

- COTS/Commodity Purchase Program

PERIOD OF PERFORMANCE

- Annually: 18 Feb through 17 Feb

MILESTONES

- Sustainment & Capital Equipment Replacement Program (CERP)

POINT OF CONTACT

- USSOCOM SOF AT&L, Engage SOF (eSOF) / VULCAN, eSOF@socom.mil

FUNDING

- | | | |
|-------|-------------|-------------|
| | <u>FY25</u> | <u>FY26</u> |
| • O&M | \$1.12M | \$1.16M |

PRIORITIES / MODERNIZATION EFFORTS

- **Priorities**

- Sustainment
- CERP of End of Sale (EoS)/End of Life (EoL) equipment

- **Modernization Efforts**

- MISOP-M Environmental Control Unit's (ECU's)
- MISOP-L Printers
- Conversion of a MISOP-Medium to a MISOP-Medium Fixed

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CHALLENGES / OPPORTUNITIES

- **Challenges**

- Decreasing Budgets and Inflationary Costs
- Long lead times for equipment delivery

- **Opportunities**

- MISOP-M ECU repair or replacement
- MISOP-L Printer EoL replacement

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MEDIA PRODUCTION CENTER (MPC)

Media Production Center (MPC) Family of Systems (FoS):

- MPC-Heavy: Fixed Psychological Operations (PSYOPS) system housed in the Media Operation Center (MOC) aboard Fort Bragg, NC.
- MPC- Medium/Light: Globally deployable systems which include multi-media production, editing, and archiving capabilities to deliver imagery, audio, animation, and audio/video products of varying technical complexity to support SOF PSYOPS Operators.



High-End
Laptop



Camcorder
(MPC-M)



MPC-H Control Room



SLR Camera
(MPC-L/M)



Scanner
(MPC-L/M)

ACQUISITION STRATEGY

- Hardware: COTS/Commodity Purchase Program
- Software Applications: Software Acquisition Pathways

PERIOD OF PERFORMANCE

- Annually: 18 Feb through 17 Feb, also supported by other contracts

MILESTONES

- MPC-H: Audio Suite CERP complete
- MPC-H: Edit & Archive Suite CERP
- MPC-Kits: FY25 - Commence Next Gen Development

POINT OF CONTACT

- USSOCOM SOF AT&L, Engage SOF (eSOF) / VULCAN, eSOF@socom.mil

FUNDING

	<u>FY25</u>	<u>FY26</u>
• O&M	\$5.3M	\$5.27M
• RDT&E	\$1.74M	\$1.78M

PRIORITIES / MODERNIZATION EFFORTS

- **Priorities**

- Sustainment
- CERP of EoS/EoL equipment

- **Modernization Efforts**

- MPC-H Edit & Archive Suites
- MPC-Kits Next Generation (NextGen) upon finalization of Capabilities Document (CDD) update

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CHALLENGES / OPPORTUNITIES

- **Challenges**

- Decreasing Budgets and Inflationary Costs
- Supply Chain Delays

- **Opportunities**

- MPC-Kits NextGen
- Graphics/Animation, Media Support Detachment (MSD) Room updates dependent on available lifecycle replacement funding

- **SCAMPI** (not an acronym) is SOCOM's telecommunications system enabling network transport of voice, data, and video services (all classifications).
- **SCAMPI** provides Enterprise level Unified Capabilities (UC), routers, switches, encryption, acceleration, and transport devices.



ACQUISITION STRATEGY

- Commercial Off-the-Shelf/ Non-Developmental Item
- Future capabilities: Evolutionary Technology Insertions

PERIOD OF PERFORMANCE

- These systems are supported by multiple contracts

MILESTONES

- Capital Equipment Replacement Program
- Evolutionary Technology Insertions

POINT OF CONTACT

- USSOCOM SOF AT&L, Engage SOF (eSOF) / VULCAN, eSOF@socom.mil

FUNDING

	FY25	FY26
• O&M	\$11.9M	\$11.6M
• PROC	\$35.0M	\$21.4M

PRIORITIES / MODERNIZATION EFFORTS

- **Priorities**

- Upgrade gateways to support higher throughput
- Upgrade voice and video architecture

- **Modernization Efforts**

- Encryption
- Support interoperability with cloud environment
- Support Software Defined Wide Area Networking (SDWAN)

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CHALLENGES / OPPORTUNITIES

UNCLASSIFIED

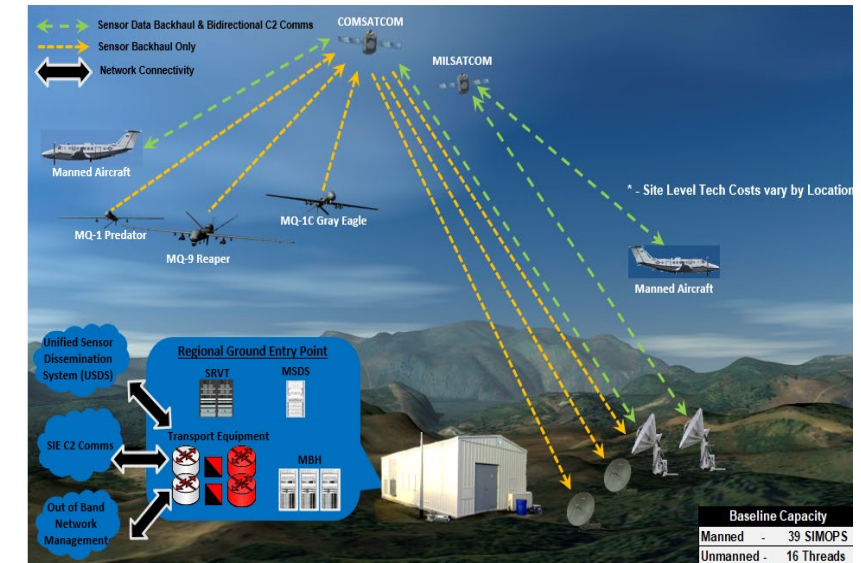
- **Challenges**
 - Decreasing Budgets and Inflationary Costs
- **Opportunities**
 - Virtualization Technology

UNCLASSIFIED

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Command & Control, Intelligence, Surveillance, & Reconnaissance-Transport (C2ISR-T)

- Ingests, disseminates, and distributes ISR data/Full Motion Video (FMV) and delivers C2 services to crewed platforms
- SOF-unique data transport system with agile, resilient, reliable information sharing to command and control and global distribution operations in real or near-real time



ACQUISITION STRATEGY

- Commercial Off-the-Shelf/Non-Developmental Item
- Future capabilities: Evolutionary Technology Insertions

PERIOD OF PERFORMANCE

- These systems are supported by multiple contracts

MILESTONES

- Capital Equipment Replacement Program
- Evolutionary Technology Insertions

POINT OF CONTACT

- USSOCOM SOF AT&L, Engage SOF (eSOF) / VULCAN, eSOF@socom.mil

FUNDING

	FY25	FY26
• O&M	\$16.2M	\$15.1M
• PROC	\$17.5M	\$21.6M

PRIORITIES / MODERNIZATION EFFORTS

- **Priorities**

- Increase access gateways to support higher throughput
- Resilient mobile data/comms in contested environments
- Support interoperability with cloud environment
- Satellite Communication (SATCOM) Resiliency
 - Hybrid multi-constellation/multi-band access
 - Commercial gateway infrastructure integration

- **Modernization Efforts**

- Transmission Security Modems

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CHALLENGES / OPPORTUNITIES

- **Challenges**

- Solutions that work with our infrastructure
- Decreasing Budgets and Inflationary Costs
- Supply Chain Delays
- Combined Joint All Domain C2 (CJADC2)

- **Opportunities**

- Virtualization Technology

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SOF INTEGRATION FACILITY

Special Operation Forces (SOF) Integration Facility (SIF)/ Site Integration Team (SIT):

- The SOF Integration Facility (SIF)/Site Integration Team (SIT) mission is to provide a comprehensive IT hardware and software integration and test environment; thereby enabling an objective, technical and functional assessment of SIE requirements. In addition to providing Tier-4 support across the SIE, the SIT also provides support to J6 Operations with project planning, and the installation/coordination of new feature set releases of current capabilities as required.



CUSTOMER BASE

- HQ J-DIRs
- Components
- TSOCs

INTERGRATION AND SUPPORT

- New Capabilities
- New Feature Sets
- Incident Response (Tier-4)

SUPPORT STRATEGY

- Integration of hardware and software in a "sandboxed" environment; isolated from the operational network

FUNCTIONS

- Plan, design, install, engineer, test, validate, integrate, package, and document new capabilities for the SIE

BUSINESS W/THE SIF

- CRQ/IMT-26
- Required Roles
 - Sponsor
 - Service/Mission Owner

ORGANIZATION

- Data Team
- Networks Team
- Sec/ICAM Team
- Dev Lab Team
- Dev Ops Team
- PM Team
- Consultants

- **Priorities**

- Modernize/innovate at the speed of industry
 - Timeline of DoD vs SOF leveraging new technology
- SOCOM processes
 - ATO process at the lowest level

- **Modernization Efforts**

- Tactical Edge/TMNs
- Cloud Smart/Ready
 - Software as a Service (SaaS), PaaS, IaaS mindset
- Artificial Intelligence (AI)

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CYBERSECURITY / C-SCRM

- **Cybersecurity Program** – Conducts assessment and authorization while providing cybersecurity management and guidance to the acquisition programs to ensure adequate cybersecurity protection through a risk-based approach known as Risk Management Framework (RMF).
- **Cyber Supply Chain Risk Management (C-SCRM)** is the process of identifying, assessing, and mitigating the risks associated with the distributed and interconnected nature of Information Technology / Operational Technology (IT/OT) product and service supply chains.
- **Cybersecurity Alignment with the DoD Acquisitions - RMF** leverages existing acquisition, system processes, and artifacts to support the integration of Cybersecurity throughout the acquisition lifecycle.



CYBERSECURITY FUNCTIONS

- Management of Cybersecurity Program.
- Assessment and Authorizations (A&A).
- Development of policies and processes.
- Provide cyber guidance to EIS personnel.

C-SCRM FUNCTIONS

- Management of the C-SCRM program.
- Development of C-SCRM Processes.
- Conduct C-SCRM Self & Risk Assessments.
- SCRM Collaboration with External Agencies.
- C-SCRM Awareness and Training.

MILESTONES

- Establishment of Cybersecurity Program.
- Standardized the A&A process & procedures.
- 44 Cybersecurity Authorization Projects.
- Developed a C-SCRM Proposal for SOF AT&L.

SUPPORT

- USSOCOM Cybersecurity Personnel.
- USSOCOM SOF AT&L Acquisition Office.
- Program Protection Planning (PPP).

CUSTOMERS

- USSOCOM SOF AT&L Acquisition Programs.
- USSOCOM Cybersecurity Community.
- Acquisition Intelligence Branch (AIB).
- 3rd Party / Vendors / Suppliers.

POINT OF CONTACT

- Dr. Stephen E. Smith
- Enterprise Information Systems (EIS)
- Information System Security Manager
- stephen.smith5@socom.mil, 813-826-0006



QUESTIONS?

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DOING BUSINESS WITH SOCOM

SMALL BUSINESS HELP

POC: Ashley Farrier
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osbp@socom.mil
813.826.9475

SUBMITTING IDEAS AND CAPABILITIES

Engage SOF (eSOF) on Vulcan

Pathway to present SOF relevant capabilities to USSOCOM
POC: Kimberly Carberry
kimberly.r.carberry.civ@socom.mil
eSOF@socom.mil
<https://www.Vulcan-SOF.com>

SOFWERX (Unclass, open forum partnering with industry to solve Warfighter problems)
<https://www.sofwerx.org>

TECHNICAL EXPERIMENTATION

<https://www.socom.mil/SOF-ATL/Pages/technical-experimentation.aspx>

