We

Space Industry Days

Lethality and Deterrence in Space
Unleashing the Industrial Base

AFCEA Los Angeles

NDIA Greater Los Angeles

SCAPR Southern California Aerospace Professional Representatives

AFA Air & Space Forces Association Schriever Chapter #147

We’re Committed To Shaping The Future Of Defense

At Northrop Grumman, we invest in the people, the tools and the technologies needed to deliver on our commitments. Our shared purpose drives our mission and keeps our company at the forefront of technology.

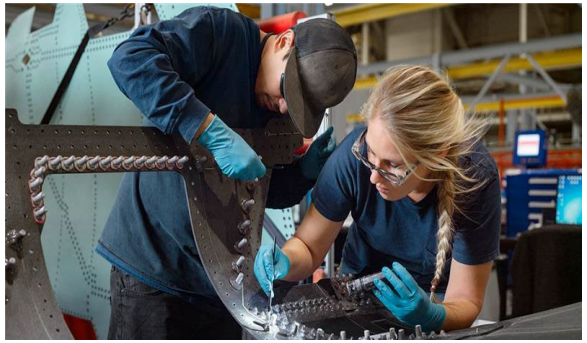
Scale & Speed

Discriminating Technology

Operations & Performance

People

Economic Impact



Investment

Legacy of Disruption

We

How to Ask Questions To Presenter Using Slido

1. Scan the QR code. QR code is also in program guide.

2. Submit Your Question

3. Vote on Questions
   Upvote questions you'd like to hear answered
   Most-voted questions will be prioritized

4. Speaker Q&A (Time Permitting)
   The speaker may address selected questions at the end of the session
   Not all questions may be answered due to time constraints

Your AFCEA experience is tailored to your interests, your activities and your time. From networking for business development, to learning about new technologies and advanced systems, to growing your career, to collaborating on pressing issues…

… you have a place in AFCEA.

How to engage. Individual and corporate memberships are available and affordable. A variety of economical options make corporate membership accessible to all organizations, from one-person consulting companies across the business spectrum to major defense contractors and government agencies. Individual membership is not only a great value, but it is also transportable from job to job throughout your career.

Robust networking opportunities range from conferences, symposia and expositions to mentoring, leadership and committee work. The engagement options transcend borders and are available at the association headquarters as well as throughout AFCEA's regions and chapters.

Educational resources include webinars, in-person and online events, scholarships, professional development courses, continuing education units, the award-winning *SIGNAL* Magazine and a variety of associated *SIGNAL* Media products. AFCEA also offers STEM scholarships through the AFCEA Educational Foundation.

AFCEA is active on many social media platforms with regular engagement and updates. AFCEA social channels offer unique content as well as thought leadership, highlights of activities and articles, including association updates, networking opportunities, conference videos and photography.

www.afcea.org/site/connect/social-media

AFCEA Worldwide

AFCEA builds relationships and creates networking opportunities through the events and activities of its worldwide chapters. AFCEA's international headquarters is located in Fairfax, Virginia, just outside of Washington D.C. AFCEA also has an office in Brussels, Belgium, that provides regional support for its NATO and AFCEA European operations.

More than 130 chapters worldwide*

AFCEA chapters and student chapters support its more than 31,000 individual and approximately 1,600 corporate members engaged in the disciplines and focus areas of AFCEA.

*As of October 2021 . Visit www.afcea.org/site/chapters for updated information.

SPACE SYSTEMS COMMAND

CHIRP

CYBER HALO INNOVATION RESEARCH PROGRAM

Cybersecurity Talent Pathway and Educational Outreach

CHIRP is a partnership between industry and higher education to drive innovation and create a diverse cybersecurity talent pool for SSC and beyond.

•Partnership Opportunity: CHIRP is actively seeking industry partners to collaborate with its motivated and highly trained graduates, creating a direct pipeline of talent with practical experience in protecting space assets.

•Bridge the Cybersecurity Gap: Address the 700,000 unfilled cybersecurity roles with skilled CHIRP graduates.

•Ready-to-Work Talent: Grads offer hands-on experience in space cybersecurity, AI research, and pen testing.

•Contribute to National Security: CHIRP graduates empower your team with top talent in addressing space cybersecurity challenges, key in protecting critical space infrastructure

THE WORLD IS CHANGING.

ARE YOU READY?

Pacific Northwest NATIONAL LABORATORY

The World is Changing. Are We Ready?

Partner organizations play a vital role in the success of **CHIRP** through their support of research and other internship opportunities. These partnerships are vital in helping
develop a diverse future workforce for cybersecurity. Our goal is to create partnerships that help open pathways for student researchers in areas, such as:

- Artificial intelligence
- Computer science
- Continuity of operations Cyber analysis
- Cyber policy
- Data analytics
- Data architecture
- Incident response
- Information technology
- Intelligence (national security) Machine learning
- Network security
- Other cybersecurity-related fields Security software development

Students Today. Experts Tomorrow.

Students who participate in CHIRP embark on a two-year journey that equips them to grow in their career interest area through professional development opportunities, networking, and hands-on research experiences. This opportunity opens future career choices for these student researchers as they fill cybersecurity roles at SSC and beyond. Each step of the way, partner organizations play a critical part in making this program possible.

Ready to Learn More?

For more information and to discuss becoming a partner, please email:

CHIRP@PNNL.GOV

Mission Technologies Overview

Space Industry Days 2025

DELIVERING THE ADVANTAGE

MISSION TECHNOLOGIES | A DIVISION OF HII

Mission Technologies

Leading provider of technology solutions to enable all-domain distributed operations

87+
Year History

7,000+
Employees

$2.9B
FY24 Revenue

8.8%
FY24 Growth

What We Offer

All-Domain Operations

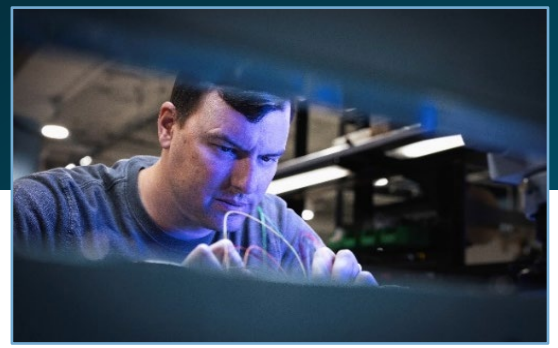
Ensuring the DoD can conduct integrated warfare across all warfighting domains. Providing enhanced situational awareness, interoperability, resilience, and strategic advantage.

- Multi-Domain Operations
- C5ISR Operations
- Mission Engineering & Integration
- Platform Integration and Logistics Support
- Global Logistics, Integrated ISR, and C/JADC2 Systems Support
- Joint Network Engineering & Emerging Operations

Global Security

Providing enterprise simulation and synthetic training environments; full lifecycle platform sustainment and modernization; and operates DOE sites and executes complex environmental remediation.

- LVC solutions
- Mixed Reality, Game-based Training
- Modeling & Simulation
- Platform sustainment and modernization
- Industrial Fabrication and Manufacturing
- Nuclear, environmental operations
- Australia business (AUKUS)



Warfare Systems

Delivering actionable intelligence across the globe at hyper speed through mission systems and operations, accelerating decision-making and exploiting foreign threat vulnerabilities.

- Sensors & Systems
- Spectrum Solutions
- Intelligence & Analysis
- AI/ML Mission Systems
- Embedded Systems
- Vulnerability Analysis
- Reverse Engineering
- Full-Spectrum Cyber Ops
- Big Data Analytics

Unmanned Systems

World-leading autonomy and multi-domain unmanned systems enhancing operation in contested environments, gathering critical intelligence, and conducting surveillance missions.

- Unmanned Underwater Vehicles (UUVs)
- Unmanned Surface Vehicles (USVs)
- Torpedo Tube Launch and Recovery (TTLR)
- Advanced Autonomy Solutions
- Design, Development, Production, and Sustainment
- Engineering, Manufacturing and Support Services

Delivering Operational Assurance in Orbit

Hardware-in-the-Loop testing validates electronic warfare and sensor systems under mission-realistic conditions.

Advanced coatings protect systems from thermal extremes and radiation—ensuring mission longevity.

LVC training prepares operators for multi-domain missions—where timing and coordination are critical.

Cyber and EW payloads secure the spectrum—defending assets in contested and congested domains.

Robotic arms engineered for on-orbit refueling and servicing missions for critical LEO and GEO satellites.

Space Threat Environment

THREATS TO SPACE OPERATIONS AND SPACE INDUSTRY

1st Lt Amy Padilla
Branch Chief, Intel Plans & Programs
SSC/S2

SPACE SYSTEMS COMMAND

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SPACE SYSTEMS COMMAND

How Adversaries View Space Power

RUSSIA

Relative Gauge of Space Power:

- The bedrock of Russian strength in space, including its counterspace capabilities, is mostly soviet-era technology & infrastructure
- Sanctions have caused delays in “dozens” of spacecraft and reduced space development capabilities
- Challenges with budget, corruption, workforce, and quality

Russian Perspective of Space Power:

- Recognizes inferior position; plans to deny/degrade
- Aggressively pursuing a diverse set of counterspace weapons

US-GOV Judgement:

- Russia remains an acute threat in all domains

CHINA

Relative Gauge of Space Power:

- Relies on a suite of growing space & counterspace capabilities to support national goals
- Number of intelligence-gathering satellites 2nd only to US

Chinese Perspective of Space Power:

- *"Develop the space industry and build China into a space power is our eternal dream"*
- PLA sees space as critical to modern "Informatized" warfare
- Recognizes space is critical to a modernized economy
- Sees future of domain as China-led

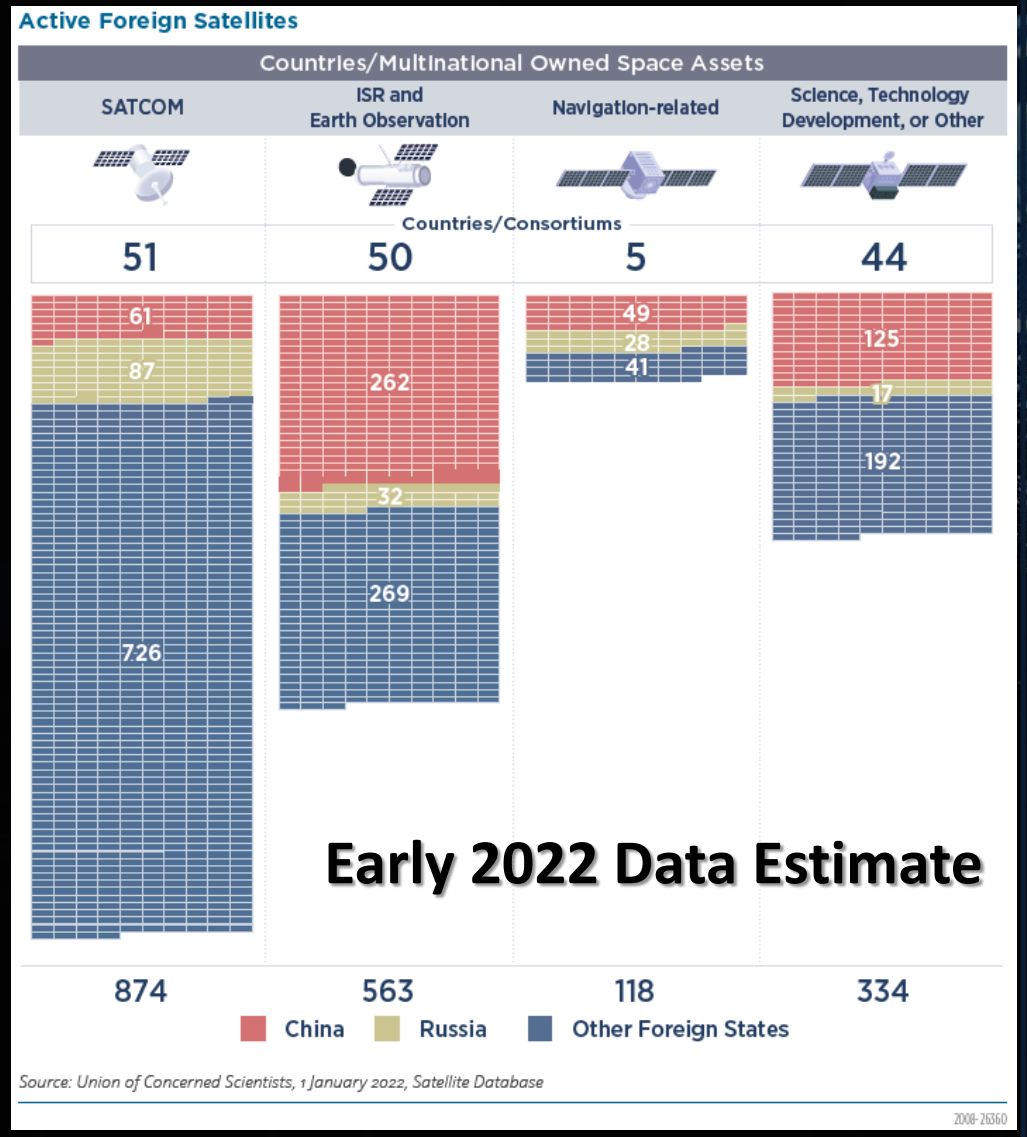
US-GOV Judgement:

- China is the pacing threat in all aspects of national competition

Russia and China both see the US’s **RELIANCE** on space as an **EXPLOITABLE VULNERABILITY**

SPACE SYSTEMS COMMAND

Public Assessment of the Space Order of Battle



RUSSIA

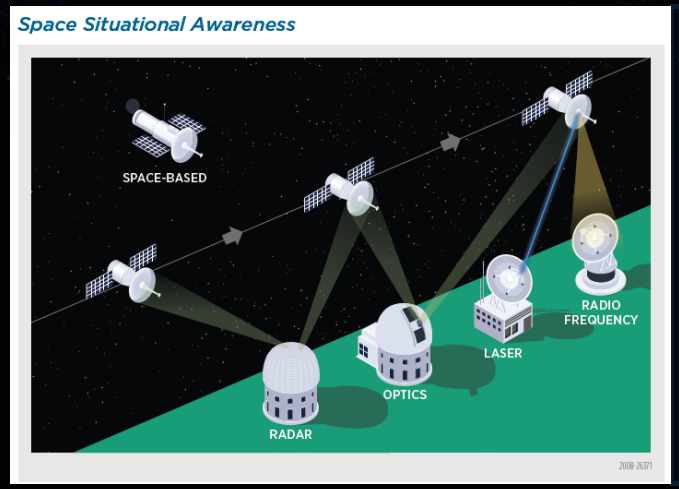
- Only conducted 17 launches in 2024
  - Well short of the 26+ average annual launches from 1995-2015
  - Largely absent from international market, launching only 5 foreign payloads
- Retains rocket engine and space launch expertise, but lags US and China
  - Aspires for newest Cosmodrome to reduce dependencies on Baikonur
- Operates advanced ISR satellites for optical imagery, SIGINT, and missile warning
  - Increasingly relying on civil and commercial providers
  - Private military companies purchased imagery from Chinese company Spacety to support combat operations in Ukraine

CHINA:

- On-orbit presence increased 667% since 2015, now 1,301+ satellites total
- China accomplished 70 launches, placing 319 payloads into orbit in 2025
- 510+ ISR-capable satellites with optical, multispectral, radar, and/or RF sensors
- In 2025, launched x180 G60 and x95 SatNav satellites to LEO
  - Part of 2 planned mega-constellations to compete with Western commercial pLEO constellations
- Made significant strides for reusable space launch vehicles*
- Launched first 12 satellites of its Three-Body Computing Constellation
  - Artificial Intelligence (AI) supercomputer array
  - Planned processing capacity of one quintillion operations per second

SPACE SYSTEMS COMMAND

Complexity of Threats to Space Power



Space Domain Awareness (SDA) provides complete picture of space operational environment

RUSSIA and CHINA

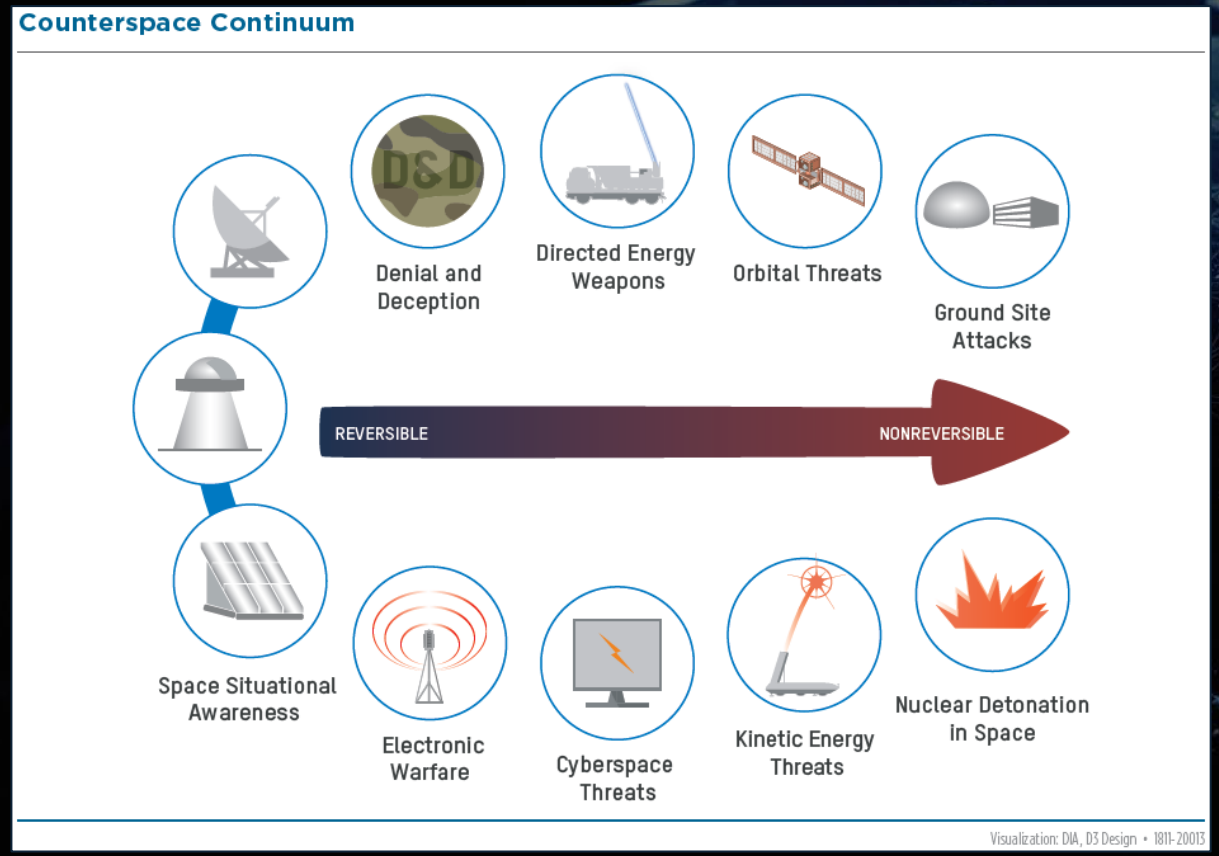
- Developing new space systems to enhance military effectiveness and end any reliance on US space services
- Intensifying strategic competition presents a serious threat to US national security interests in, from, and to space

CHINA

- Utilizes at least 10 satellites to conduct on-orbit SSA to augment terrestrial SOSI sensor network

SPACE SYSTEMS COMMAND

Complexity of Threats to Space Power



COUNTERSPACE WEAPONS OF CHINA, RUSSIA, IRAN, AND NORTH KOREA AS OF MARCH 2025

	Kinetic Weapons			Non-Kinetic Weapons		Electronic Weapons		Cyber Operations
	Terrestrial Infrastructure Attack	Direct-Ascent ASAT	Orbital ASAT	Nuclear Detonation	Directed Energy	Jamming	Spoofing	
China	Yes	Yes	Maybe	Yes	Yes	Yes	Yes	Yes
Russia	Yes	Yes	Probably	Yes	Yes	Yes	Yes	Yes
Iran	Yes	No	No	No	No	Yes	Yes	Yes
North Korea	Yes	No	No	Yes	No	Yes	Yes	Yes

CSIS AEROSPACE SECURITY PROJECT RESEARCH AND ANALYSIS

CHINESE SATELLITE SERIES THAT OFTEN EXHIBIT RPOS

Program	English Translation[11]	Satellites Entered into Operation*	Orbit	Purpose
Tongxin Jishu Shiyan (TJS)	"communication technology test"	17	GEO	suspected military early warning and signals intelligence missions
Shijian (SJ)	"best practice" or "put into practice"	43	LEO, GEO, Sun-Synchronous Orbit (SSO), and Highly Elliptical Orbit (HEO)	various experimental missions
Shiyan (SY)	"experiment," "pilot," or "trial"	45	LEO, GEO, SSO, and HEO	various experimental missions

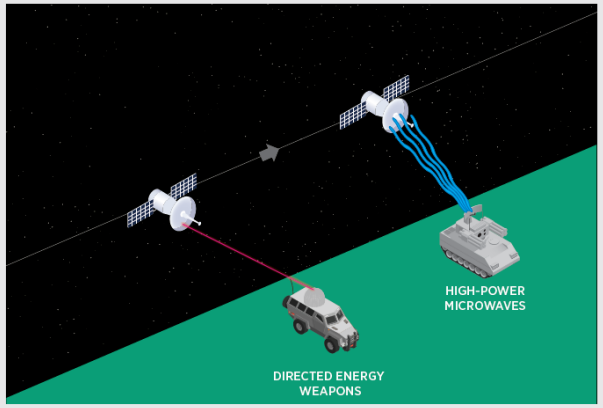
*INCLUDES OPERATIONAL, DECAYED, AND FAILED MISSIONS
CSIS AEROSPACE SECURITY PROJECT RESEARCH AND ANALYSIS, CURRENT AS OF APRIL 18, 2025

COUNTERSPACE WEAPONS are NOT a FUTURE threat… they are a TODAY threat

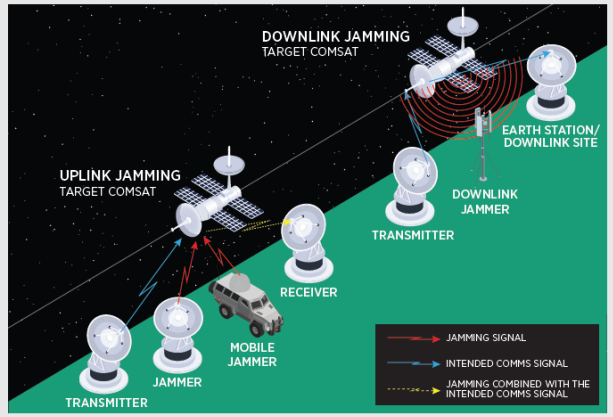
SPACE SYSTEMS COMMAND

Complexity of Threats to Space Power

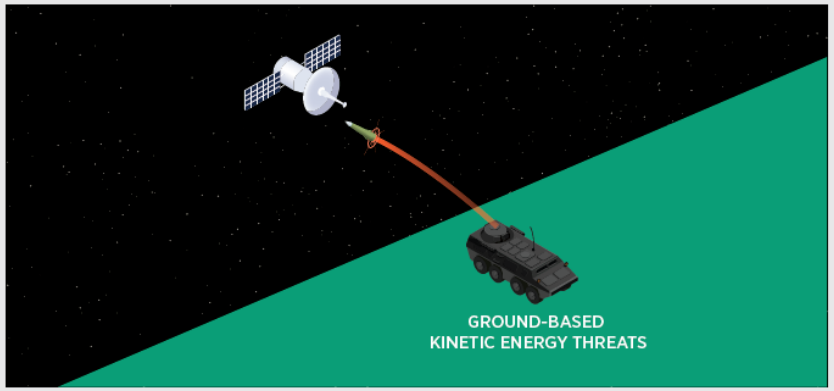
Directed-Energy Weapons



Electronic Warfare[636]



Ground-Based ASAT Missiles



Counterspace Activities

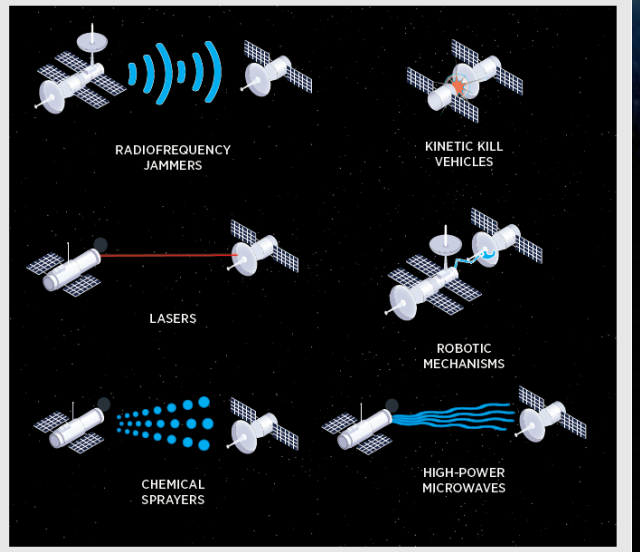
RUSSIA

- Observed missile on MiG-31 may be air-launched ASAT Burevestnik that will be "capable of destroying targets in near-space"
- Moscow has deployed several probable orbital ASAT prototypes into LEO starting in 2017
- Deployed Peresvet laser weapons to five strategic missile divisions starting in 2018 to mask missile deployments
- Developing an ASAT capability using a new satellite designed to carry a nuclear weapon

CHINA

- PLA maintains an operational DA-ASAT system to target LEO satellites
- Multiple SJ-series and TJS-series experimental satellites observed conducting unusual, large and rapid maneuvers in GEO
- Launched "inspection and repair" systems that could also function as weapons
- Multiple ground-based laser weapons able to disrupt/degrade/damage satellite sensors; working towards structural damage
- Military exercises regularly incorporate jammers against space-based communications, radars, and navigations systems

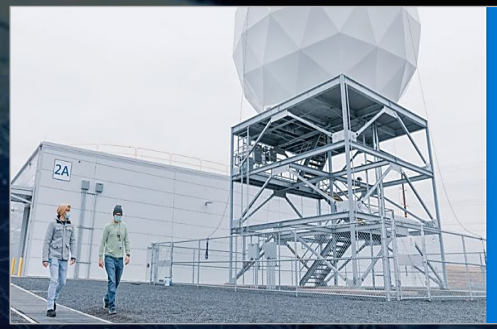
Space-based Weapons



SPACE SYSTEMS COMMAND

Cyber Attacks

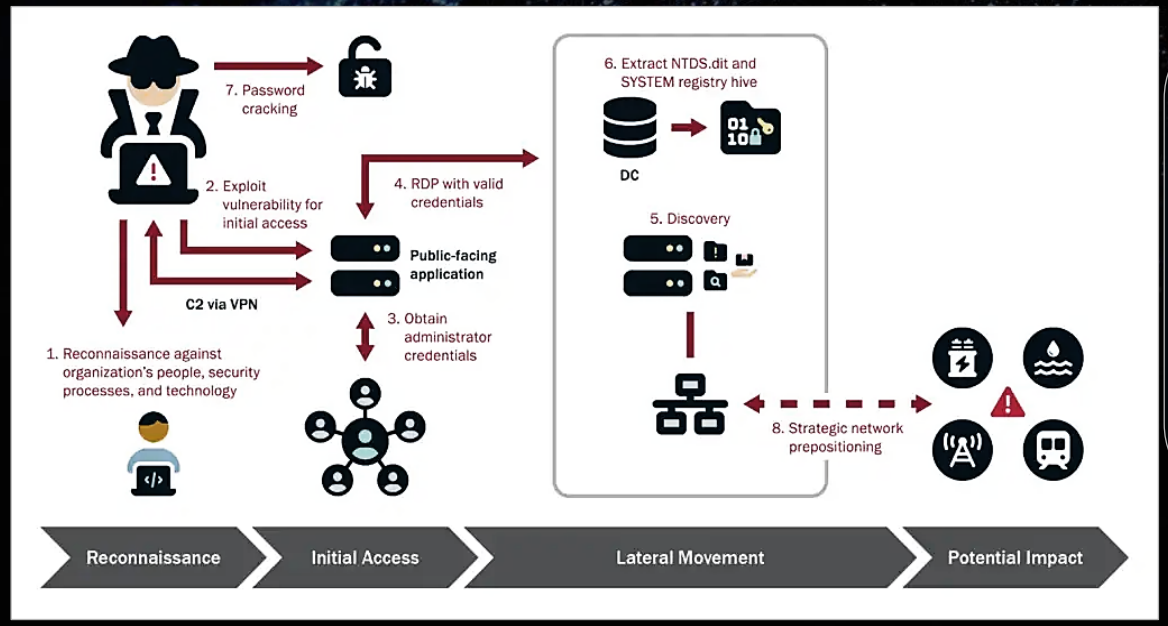
CHINESE state-sponsored **VOLT TYPHOON** hacking group has persistently accessed and targeted various pieces of US **CRITICAL INFRASTRUCTURE**, including **COMMUNICATIONS CHANNELS** to the **INDOPACIFIC** region!



Research Threat intelligence Microsoft Defender Threat actors · 10 min read

Volt Typhoon targets US critical infrastructure with living-off-the-land techniques

By Microsoft Threat Intelligence



RUSSIA hacked US company to cripple key **KA-SAT** network on eve of **UKRAINE INVASION**!

Threats to the Supply Chain

Foreign adversaries could compromise the integrity, trustworthiness, and authenticity of products and services that underpin government and American industry, or even subvert and disrupt critical networks and systems, operations, products, and weapons platforms in a time of crisis
- NATIONAL COUNTERINTELLIGENCE AND SECURITY CENTER

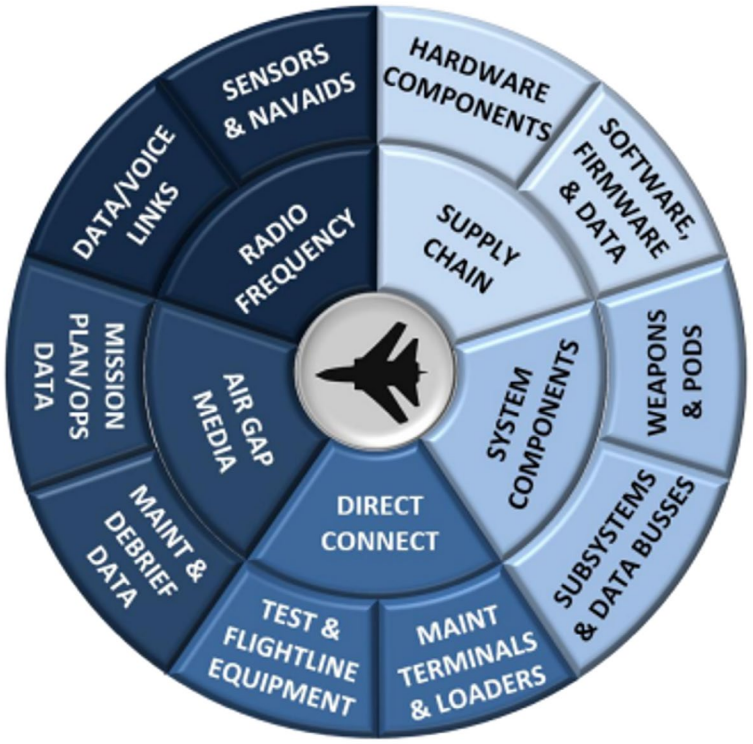
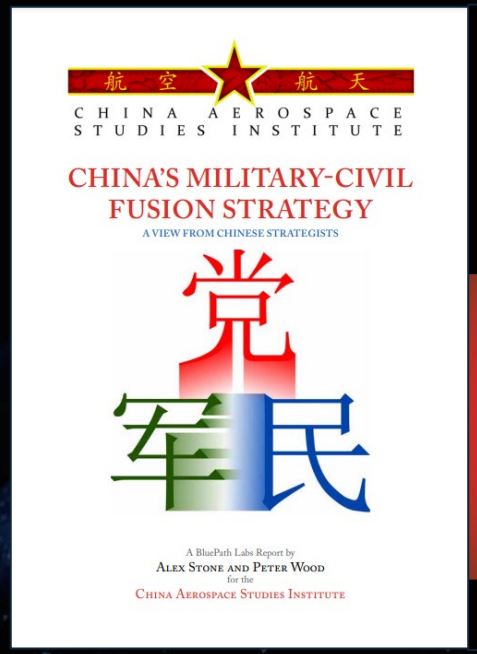


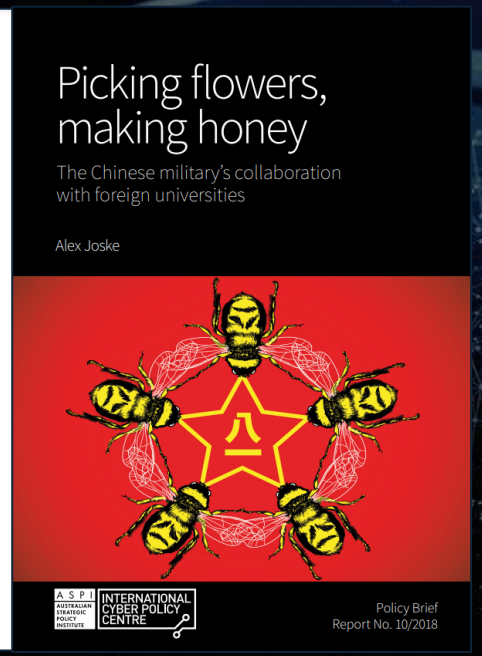
Figure 14. Wheel of Access
The Department of Defense

- 2020 Solar Winds
  - Russia's SVR inserted malicious code in automatic software update
  - Impacted 18,000 government and private users
  - Malware installed for espionage campaign
- 2024 Pro Network Equipment Counterfeit ring
  - Devices found in platforms supporting F-15, F-18, F-22, AH-61, P-8 & B-52
  - Mods included pirated S/W and components to circumvent license compliance

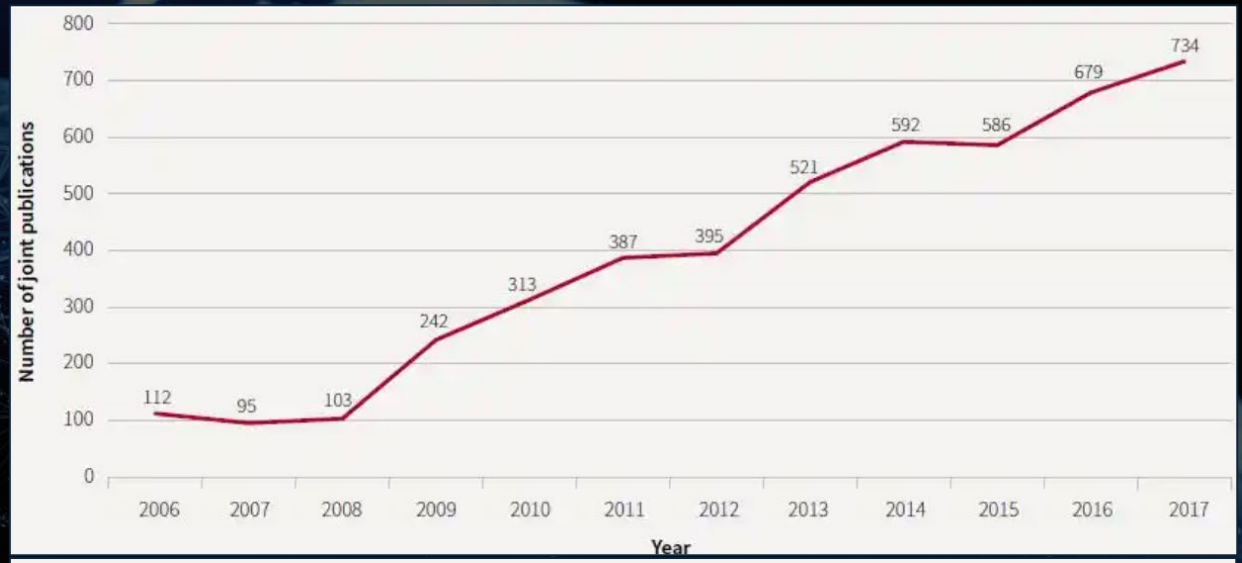
SPACE SYSTEMS COMMAND

Tech Transfer Threat





Official PLA doctrine describes "Picking flowers in foreign lands to make honey in China" (异国采花，中华酿蜜)



PLA collaboration, as measured by the number of peer-reviewed articles co-authored by PLA scientists with overseas scientists, 2006 to 2017

NCIS Assessment:
China focuses on unprotected areas of tech transfer
(Lots + Early) > (Exquisite or Complete)

China maintains an AGGRESSIVE corporate espionage and IP theft apparatus

SPACE SYSTEMS COMMAND

Current Operational Environment

- Chinese Leader Xi Jinping New Year's Address:
  - *"The two sides of the Taiwan Strait are one family. No one can cut off our ties of blood and family. No one can prevent the historical trend toward the unification of the motherland."*
- Xi Jinping reiterated his pledge to achieve *"reunification"* with Taiwan on the eve of Communist China's 75th birthday (1 OCT 2024)
- "U.S. intelligence shows that China's President Xi Jinping has instructed his country's military to be 'ready by 2027' to invade Taiwan." – CIA Director, William Burns

Chinese leader Xi Jinping speaks during a National Day reception on the eve of the 75th anniversary of the People's Republic of China at the Great Hall of the People in Beijing on September 30, 2024. Adek Berry/AFP/Getty Images

THE THREAT IS REAL

Resilient by 2026 means SSC, through unity of effort with all space partners, will deliver integrated, distributed and flexible space capabilities to operate in and through any threat environment.

RESILIENT BY 2026


QUESTIONS?

Blue Beats Red Video

Integrating the Space Enterprise

Space Industry Day

Col. Jon Strizzi
Director, SSIO

Integrate to Dominate!

Threats to the Space Enterprise

Orbital Threats

Dual-use satellites conduct close approaches, manipulation, or capture

High-Altitude Nuclear

Detonation can cripple LEO space assets, leaving radiation for years

Kinetic Weapons

Anti-satellite missiles destroy targets but create lasting space debris

Directed Energy

Lasers and microwaves dazzle sensors or covertly damage satellites

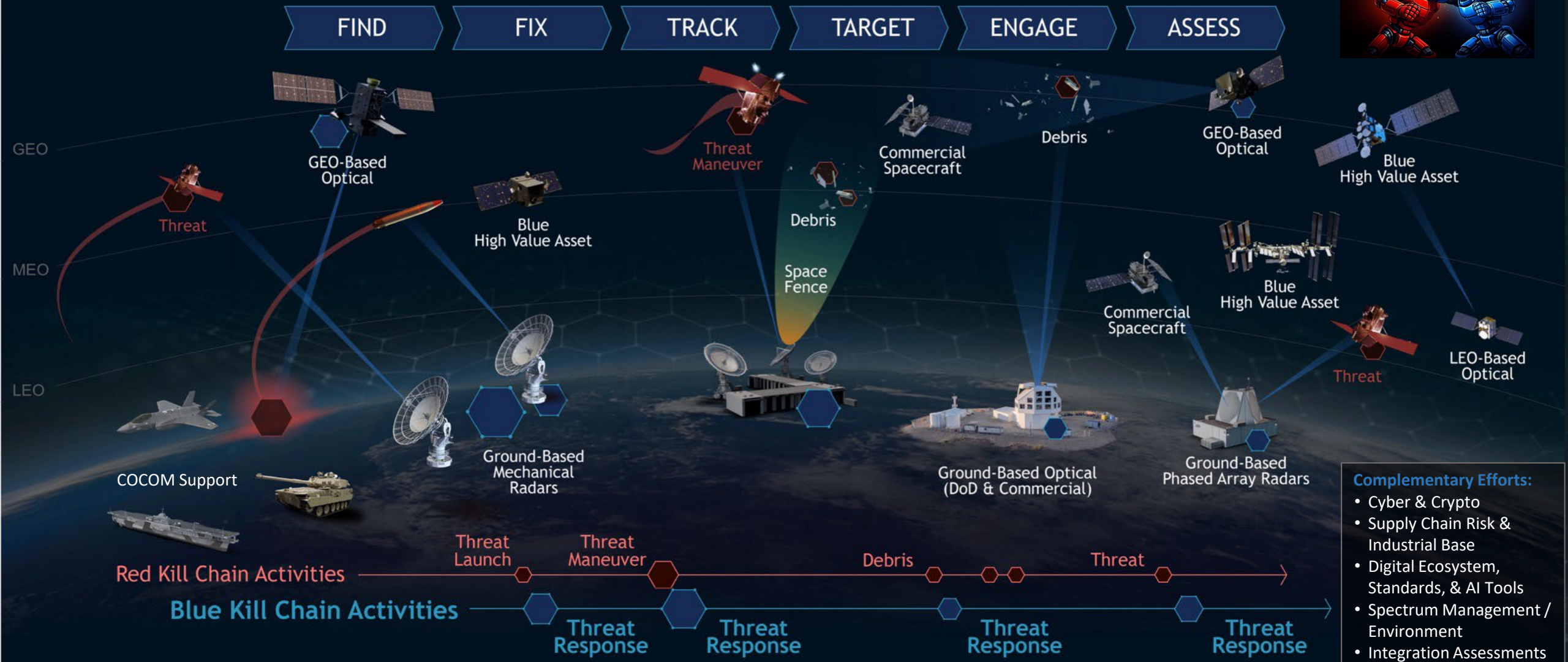
Electronic Warfare

Jamming and spoofing deny signals; low-cost, repeatable, and widely proliferating

Cyber Attacks

Low-cost, high-impact attacks target networks and infrastructure to disrupt, degrade, or influence operations

Blue Beats Red Through Space Enterprise Integration



Complementary Efforts:

- Cyber & Crypto
- Supply Chain Risk & Industrial Base
- Digital Ecosystem, Standards, & AI Tools
- Spectrum Management / Environment
- Integration Assessments

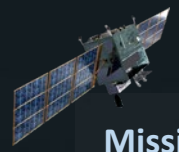
SSIO VISION: A lethal and resilient space enterprise

SSIO MISSION: Integrate space capabilities to deliver decisive advantage

SSIO DELIVERS: Enterprise governance through enforceable integration products

Kill Chains: Sensors — Integrated C2 — Effectors

FIND | FIX | TRACK | TARGET | ENGAGE | ASSESS



Mission Partner Sensors

Space Surveillance Network Sensors

Civil, Commercial, & Allied Sensors

Multi-sensor data drives competitive advantage and rapid kill-chain closure

Data Lakes (Federated Data Solutions)

Data from multi-sensors is configured and integrated for usability, security, and trust

Mission Partner & Stakeholder Networks

Space Force CSpOC

Trusted and configured data is made available enterprise-wide to perform space warfighting functions

Space Battle Management

Space battle management is transformed by integrated data to drive greater speed, accuracy, and fidelity of information

Deter & Win

Threat Avoided

Space Defense of High Value Assets

Blue beats red through integrated, interoperable, and synchronized space capabilities

Integration Ensures Blue Beats Red

"So the biggest hurdle is integration. How does it all fit together? Can we make such a large effort come together seamlessly? … Because things are going to be happening at supersonic speeds. We've got to be able to make the right decisions and put the right data in the right hands of the right shooters."

Gen. B. Chance Saltzman Chief of Space Operation - 20 March 2025

SSIO Approach:

- Robust & repeatable mission integration process
- Deliver integration products
- Drive compliance through governance and enforcement

SSIO delivers governed products that integrate the space enterprise for lethality & deterrence

SPACE SYSTEMS INTEGRATION OFFICE

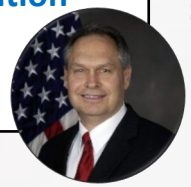
DAF PEO C3BM
Maj. Gen. Luke Cropsey

HQE
C3BM Chief, Architecture & Systems Engineering
Dr. Bryan Tipton

Assistant Secretary of the Air Force for Space Acquisition and Integration ASAF (SA&I)
(Vacant)

Military Deputy ASAF (SA&I)
Maj. Gen. Stephen Purdy
(Acting ASAF (SA&I))

HQE
Senior Advisor to the SAE (SASAE)
SA for Space C2 & Integration (SASC2I)
James Haywood



Space Deputy

DISES
SSIO Civilian Deputy
Kris Acosta

SSIO Director
Col. Jon Strizzi

SSIO Military Deputy
Col. Jeremy Selstrom

BZZ
Enterprise Capabilities & Modernization
Col. Robert Enrico

NH-04 BZC
Mission Enterprise Integration
Al Matos

NH-04 BZE
Enterprise Engineering & Governance
Mark Honda

NH-04 BZO
SSIO Operations Management
Mia Cafi

Mission Threads Integration - Increments Framework

	2026	2027	2028	2029 & Beyond
C-C5ISRT	*Increment 1A* *MVC	*Increment 2A* Increased Capability	*Increment 3A* At Scale	*Increment N* Strategic Capability Growth
Protect & Defend	*Increment 1B* *MVC	*Increment 2B* Increased Capability	*Increment 3B* At Scale	*Increment N* Strategic Capability Growth
Joint Fires	*Increment 1C* Joint Electronic Warfare *MVC	*Increment 2C* Increased Integrated Fires	*Increment 3C* All Integration Across Domains	*Increment N* Joint Strategic Capability Growth

Contested Space Increments

*Minimum Viable Capability

Cross-Cutting Space Capabilities

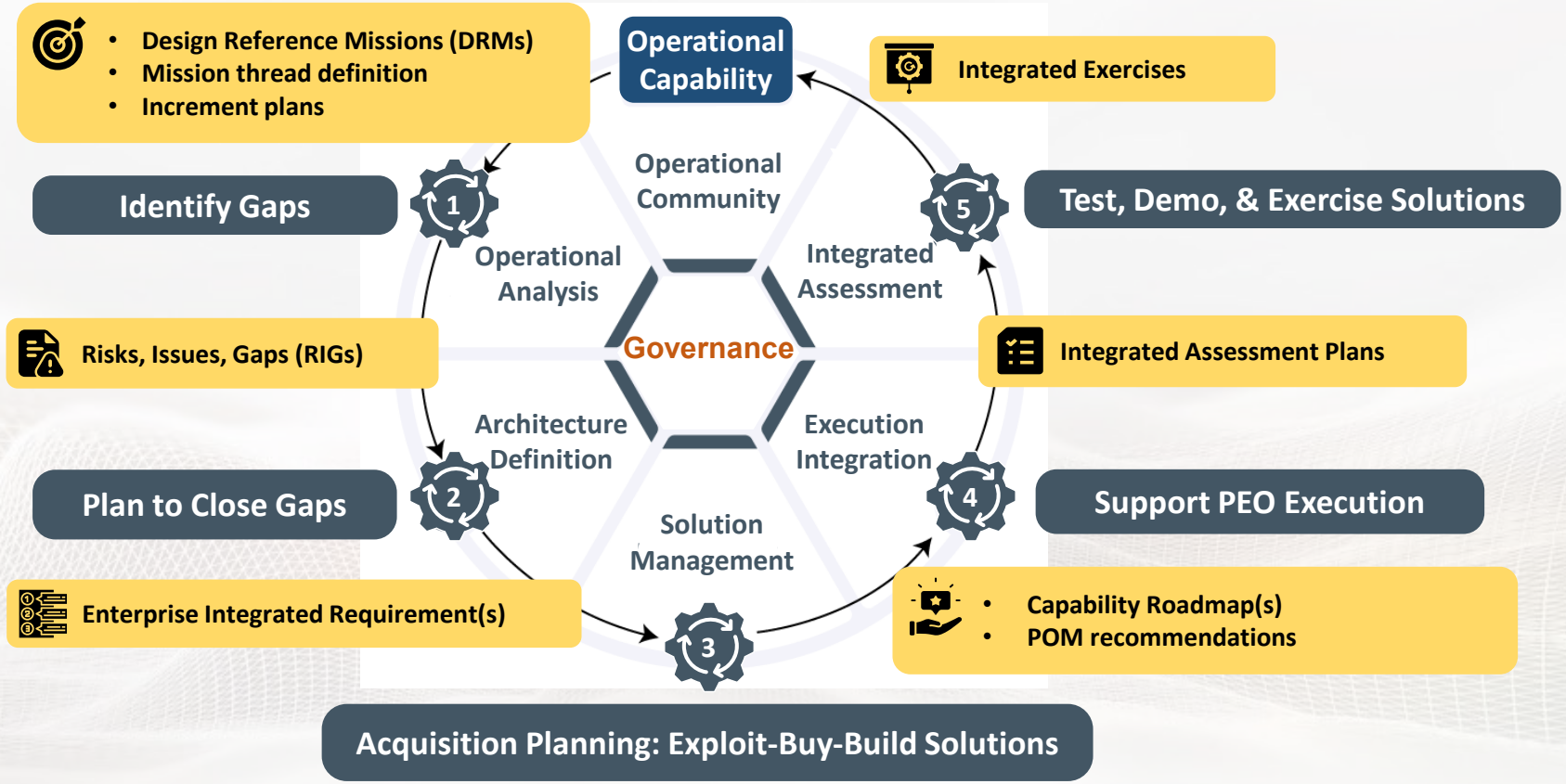
- TT&C for Contested Space
- USSF Sensor & Intel Integration
- USSF & USAF Battle Network Integration
- Space Control Integration
- Space Support to Theater

System of Systems Engineering (SoSE) for Integration

START: Mission threads with defined parameters (Joint Operational Plans)

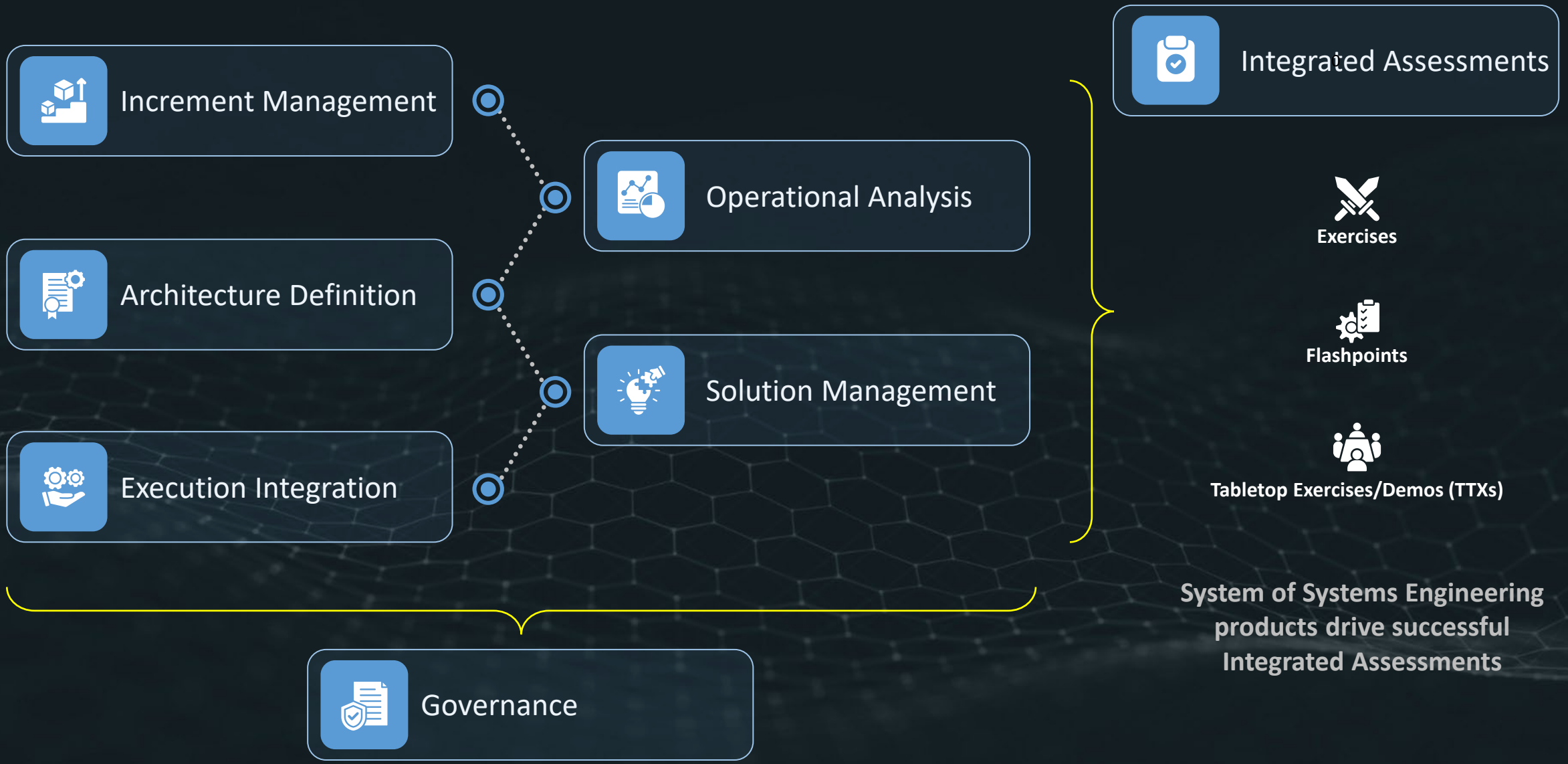
Warfighter Need

FINISH: Fully burdened, integrated systems that perform mission



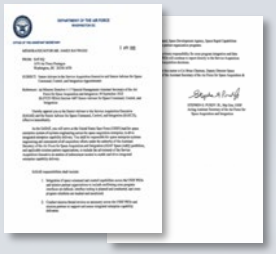
Rigorous, robust, & repeatable process to produce integration artifacts for enforced governance

Standard Increment Workflow



Space Systems Integration Office Requirements and Reviews

SASAE & SASC2I Appointments



NDAA

Administration Priorities

Ensure integration of space C2 capabilities across USSF PEOs & mission partners

FY25 NDAA Section 1607 (Space C2 & Integration)

Provide architecture & integration support to C3BM PEO

Conduct mission thread reviews

Recommend POM investment priorities

Coordinate and execute systems engineering control boards for system-to-system interfaces

Improve PEO integrated capability delivery

Primary Products

- Design Reference Mission (DRM)
- Integrated Requirements Doc (IRD)
- Enterprise Integrated Schedules
- Integrated Assessment (Strategy/Plan)
- Mission Engineering Thread (MET)

Enterprise Mission Integration and Analysis

- POM Priority Recommendations
- Space Enterprise Governance
- Enterprise Integration Memos (EIM)
- Enterprise Standards
- Digital Ecosystem (DEco)
- Foundational Cross-cutting Capabilities

Enterprise Technical Governance and Requirements

- USSF S&T Prioritization

Space Futures Tech

NDAA & SAE priorities executed by SSIO -- We are laser-focused on integration & capabilities

Digital Ecosystem Development

Digital Ecosystem

Develop, test, train, exercise, and operate from the same Digital Ecosystem (DEco) Baseline

This ecosystem:

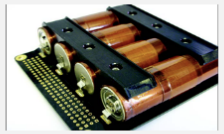
- Creates a hyper-realistic virtual proving ground enabled by Artificial Intelligence
- Provides digital designs for satellites, ground systems, and tactics that can be tested against realistic threats
- Enables safe, cost-effective experimentation and interoperability – before deployment
- Verifies and validates complete mission threads comprised of U.S., allied, and commercial capabilities

Aligns with and supports DoW CTO's unified innovation ecosystem

Industrial Base and Supply Chain

SSIO INDUSTRIAL BASE TEAM SCOPE

S6 SCRM/PRGM PROTECTION TEAM SCOPE

TIER 5+	TIER 4	TIER 3	TIER 2	TIER 1
RAW MATERIALS	**COMPONENTS & PARTS**	**ASSEMBLIES**	**SUB SYSTEM**	**SYSTEM**
LITHIUM 	BATTERY CELLS 	BATTERIES 	PAYLOAD 	SATELLITE 
GERMANIUM 	SOLAR CELLS 	SOLAR ARRAY 	BUS 	

*Simplified for illustrative purposes; some chains effectively have >10 tiers

GAO U.S. GOVERNMENT ACCOUNTABILITY OFFICE

- Unifying enterprise capabilities
- Enhancing supply chain illumination tools
- Developing an enterprise-wide Supply Chain Risk Management approach
- Increasing visibility beyond Tier 2 suppliers

SSIO & Industry Partnership Opportunities

SSC Modular Open Systems Approach (MOSA) Interoperability Standards

Objective: Leverage industry expertise to recommend, tailor, or develop voluntary consensus standards
Prioritize: Interoperability across SSC, NASA, and other mission partners
Method: Use/Develop Open, Voluntary Consensus Standards – Maintaining free and open market with broader industrial base
Membership: 23 industry companies (4 foreign ally companies); 10 Government Team organizations

SSC Standards and Guides developed to promote safety, reliability, and interoperability in the development, operation, and maintenance of space systems

- MBSE Style Guide
- SysML Style Guide
- Modeling Patterns
- Digital Twin DID

- SSIO leads Space Systems MOSA IEEE-ISTO Interoperability by partnering with industry & mission partners
  - Active Committees
    - UX/UI: Useability & Design
    - Highly Standardized NSSL SV/LV Interface
    - Space-to-Space (Crosslinks)
    - Space-to-Gateway/Ground (Optical)
    - Test Requirements for Ground Systems
    - Free-Flyer Capture Fixtures
    - MBSE Modeling Standards
  - IEEE-ISTO Alliance Website: https://interoperabilityalliance.org/

Provides Industry with the standards to drive enterprise integration

Science & Technology Challenges and Needs

Enabling Rapid Multi-Source Data Fusion for Decision Superiority

Volume of sensor data requires advanced processing to create actionable intelligence faster than adversaries can react

Needs:
- Advanced machine learning and natural language processing
- High-performance computing architecture and infrastructure

Enabling Interoperable Allied and Commercial Integration

Secure data sharing across different national systems and classification levels while leveraging commercial capabilities

Needs:
- Open architectures and standard interface protocols
- Secure cross-domain solutions
- Standardized data formats and communication protocols

Competing for Specialized Technical Talent

Limited pool of experts in AI, software engineering, orbital mechanics, and cybersecurity

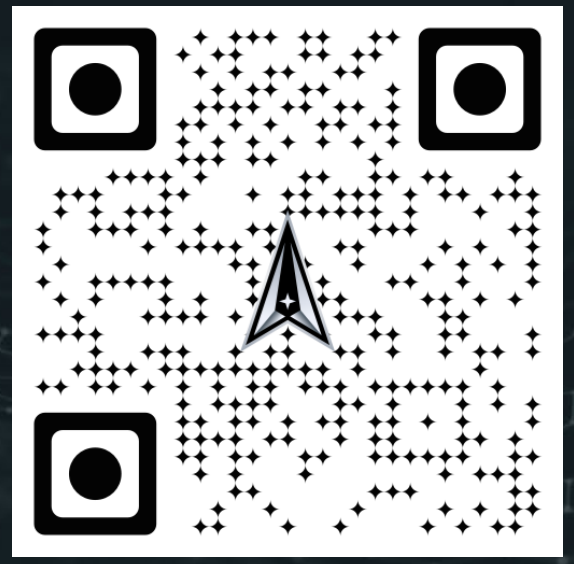
Needs:
- Enhanced STEM education partnerships with universities
- Applications of AI to accelerate mission engineering and business processes

Key Takeaways

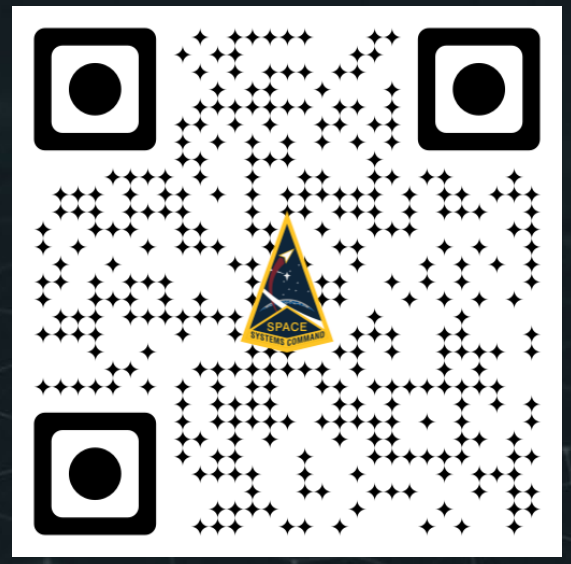
- Technical and programmatic products drive enterprise integration
- Integration products require enforceable governance
- Increment framework enables focus, structure, and organization
- Drive strategies & solutions including commercial & allied, to integrate mission threads
- Enable PEOs, Mission Partners, & Industry to close gaps in kill chains

Space systems integration is required for Blue to beat Red….at speed and scale

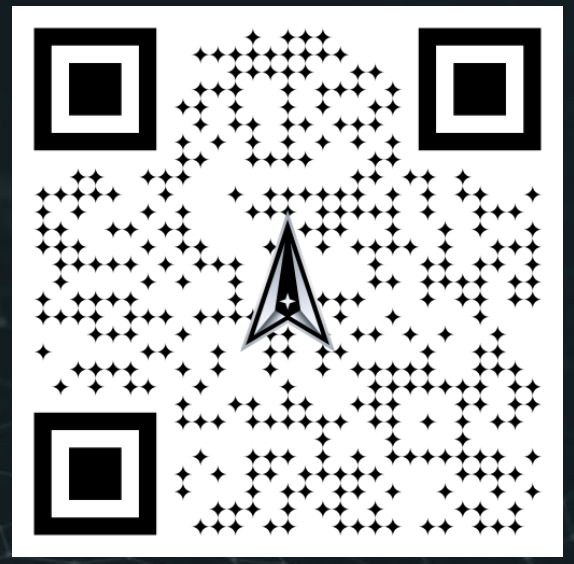
Integrate to Dominate!



U.S. Space Force



Space Systems Command



USSF Front Door

SSIO Focus Areas

Enterprise Capabilities & Modernization

Col. Rob Enrico

- Cyber Integration
- Crypto Modernization
- Spectrum Management & Space Environment
- Industrial Base & Supply Chain
- Digital Ecosystem & Artificial Intelligence

Mission Enterprise Integration

Mr. Al Matos

- Ops Analysis
- Integrated Requirements Document
- Enterprise Integrated Master Schedules
- Integrated Assessments Strategy / Report
- Risks, Issues, & Gaps
- DAF Battle Network ICDs & AO / ATOs *(C3BM Support)*
- Mission Engineering Threads & MBSE
- Design Reference Missions

Enterprise Engineering & Governance

Mr. Mark Honda

- Enterprise Governance
- Integration Command Media
- Integration Enforcement
- Enterprise Technical Baseline

Security Cooperation in Space:
Strengthening Collaboration to Accelerate Innovation and Deliver Integrated Capabilities

Space Systems Command/International Affairs (SSC/IA)
Space Industry Days

22 January 2026

Mr. Richard Saxon,
Director

Mission, Vision, Intent

Mission

Deliver combat credible, ready, and resilient capabilities to meet national security objectives via space security cooperation

Vision

Embrace and execute "Allied by Design" mindset

Intent

Lead security cooperation in space capability dev: forge alliances, enhance warfighting capabilities, align with HHQ guidance, empower workforce

Partners, Means, Guidance

Partners

Allies
US Government
Industry

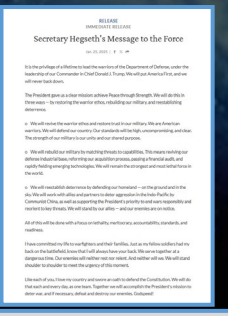
Means

Acquisition Planning
Foreign Military Sales (FMS)
Building Partner Capacity (BPC)
Working Groups, Engagements, Conferences
Facilitate MOUs and PAs

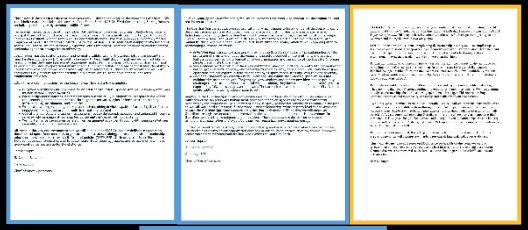
Guidance

SecWar Priorities
CSO Lines of Effort
SSC Command Plan

SSC Command Plan



SecWar Priorities



CSO LoEs 1, 2, **3**

Capabilities Development Division (IAC)

IAC Chief: Mr. Joel Mercado

Roles and Responsibilities (gov-to-gov cooperative agreements, gov-to-gov personnel exchanges, gov-to-non-gov-agreements)

- International Security Cooperation Agreements
  - Deliver warfighting capabilities/enhance resiliency
  - Build allies' capability
  - Counter adversarial influence
- Foreign Visit Support/Key Leader Engagements

Recent Successes, Emerging Opportunities

- Future Architecture Working Group (FAWG)
- Wideband Global SATCOM (SATCOM)
- Hosted Payloads (SDA)
- Responsive Space Capabilities (RSC) MoU
- QZSS launch -- winter/spring '26 (JPN)

On The Horizon

- Missile Warning, Tracking, and Defense Architecture partnering
- Federated Mission Network
- Space Control
- Space Data Network

QZS-7, Hosted Payload -- Early '26 Launch

GCC SATCOM SP Meeting – May '25

WGS-10 Payload Prep

IAC -- enhancing allied capability through co-development and jointly funded initiatives

FMS/BPC Division (IAF)

IAF Chief: Mr. Zayd Al-Marayati

Roles and Responsibilities

- Organize, train, and equip (OT&E) SSC's FMS and BPC enterprise
- Financial Management Authority for all SSC FMS/BPC funding
- Enabling interoperability of, strengthening security partnerships with allies
- Guided by Space Export Baseline (SEB) -- DAF position on export of space capabilities

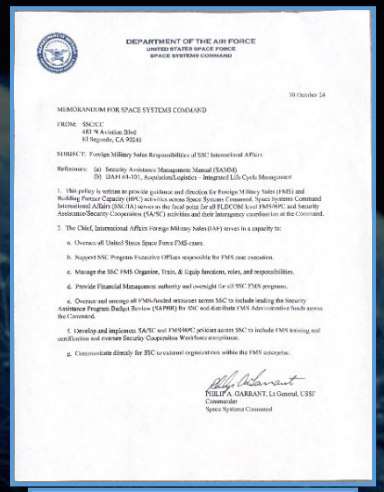
Recent Successes, Emerging Opportunities

- IAF/COMSATCOM Office (CSCO) delivered critical SATCOM pLEO warfighting
- Helped EUCOM partner establish Space Operations Center (SpOC)
- Expanded SOUTHCOM partners' SDA capabilities via first-ever Space BPC cases
- **26 new FMS-funded positions coming on-line at SSC**

Active SSC FMS Caseload	# of Partner Nations	Total Active Line Value
199 Cases	38 Countries	**$1,003,046,000**

On the Horizon

- Allies interested in: ***Space Control, COMSATCOM, Theater Electronic Warfare, Anti-Jam-Enabled SATCOM, Missile Warning/Missile Tracking (MW/MT), Launch***
- ***Projecting $12 billion case value in next 2-4 years given rising demand***



DEPARTMENT OF THE AIR FORCE
UNITED STATES SPACE FORCE
SPACE SYSTEMS COMMAND

MEMORANDUM FOR SPACE SYSTEMS COMMAND

FROM: SSC/CC
483 N Aviation Blvd
El Segundo, CA 90245

SUBJECT: Foreign Military Sales Responsibilities of SSC International Affairs

References: (a) Security Assistance Management Manual (SAMM)
(b) DAFI 63-101, Acquisition/Logistics – Integrated Life Cycle Management

1. This policy is written to provide guidance and direction for Foreign Military Sales (FMS) and Building Partner Capacity (BPC) activities across Space Systems Command. Space Systems Command International Affairs (SSC/IA) serves as the focal point for all FLDCOM level FMS/BPC and Security Assistance/Security Cooperation (SA/SC) activities and their interagency coordination at the Command.

2. The Chief, International Affairs Foreign Military Sales (IAF) serves in a capacity to:

a. Oversee all United States Space Force FMS cases.

b. Support SSC Program Executive Offices responsible for FMS case execution.

c. Manage the SSC FMS Organize, Train, & Equip functions, roles, and responsibilities.

d. Provide Financial Management authority and oversight for all SSC FMS programs.

e. Oversee and manage all FMS-funded personnel across SSC to include leading the Security Assistance Program Budget Review (SAPBR) for SSC and distribute FMS Administrative funds across the Command.

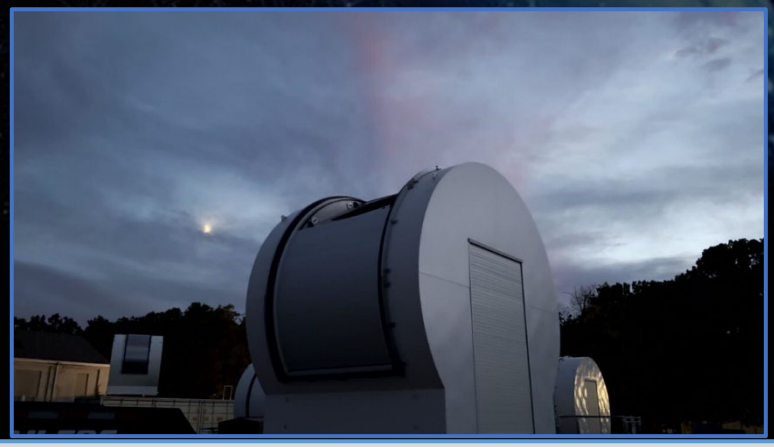
f. Develop and implement SA/SC and FMS/BPC policies across SSC to include FMS training and certifications and oversee Security Cooperation Workforce compliance.

g. Communicate directly for SSC to external organizations within the FMS enterprise.

PHILIP A. GARRANT, Lt General, USSF
Commander
Space Systems Command

2024 FMS Policy Memo

DAO SOUTHCOM Site Visit (Dec '25)



Deployable Attritable Optical Telescope – SOUTHCOM SDA Initiative

IAF -- enhancing allied space capability through foreign military sales, building partner capacity

Strategy and Plans Division (IAS)

IAS Chief: Lt Col Ammy Cardona

Roles and Responsibilities

- Coordinate with C-FLDCOMS
- Synthesize Command, National, and HHQ guidance into effective space partnership strategies
- Identify, coordinate, and support int'l Key Leader Engagement opportunities
- SSC/IA liaison to: SAF/IA, USSF/S5, FLDCOM/IA, C-FLDCOMS, SWAC
- Develop and assist in strategy development centered around int'l partners, architecture, and capabilities

Recent Accomplishments, Emerging Opportunities

- USSF's International Partnership Strategy (IPS)
- INDOPACOM Theater Posture Plan
- Partner SDA Force Design
- Objective Force Design

SSC/IA Reach and Partnership -- OCONUS Field Reps, Exchanges, and Liaisons

- 3 East Coast embed/liaisons (close ties to HQ elements and latest guidance/policy changes)
- SSC Field Reps to Component Field Commands: EUCOM/AFRICOM, INDOPACOM, CENTCOM
- First USSF to UK Space Command Civilian Exchange begun April '25

USSF Intl Partnership Strategy

IAS -- enhancing allied capability through optimized strategy and integration of requirements and architecture

“Operationalizing” the FAWG -- *and Why It Worked*

Allied SATCOM Future Architecture Working Group (FAWG)

- **Key Facts:**
  - Bi-annual informal working group
  - O-6 level
  - 16 invited nations (USA, AUS, BEL, CAN, CZE, DEU, DNK, FRA, GBR, ITA, JPN, LUX, NLD, NOR, NZL, POL)
  - **Focus**: Addressing key capability priorities, valuable insight into partner SATCOM programs

FAWG #9 (El Segundo, CA), May ‘25

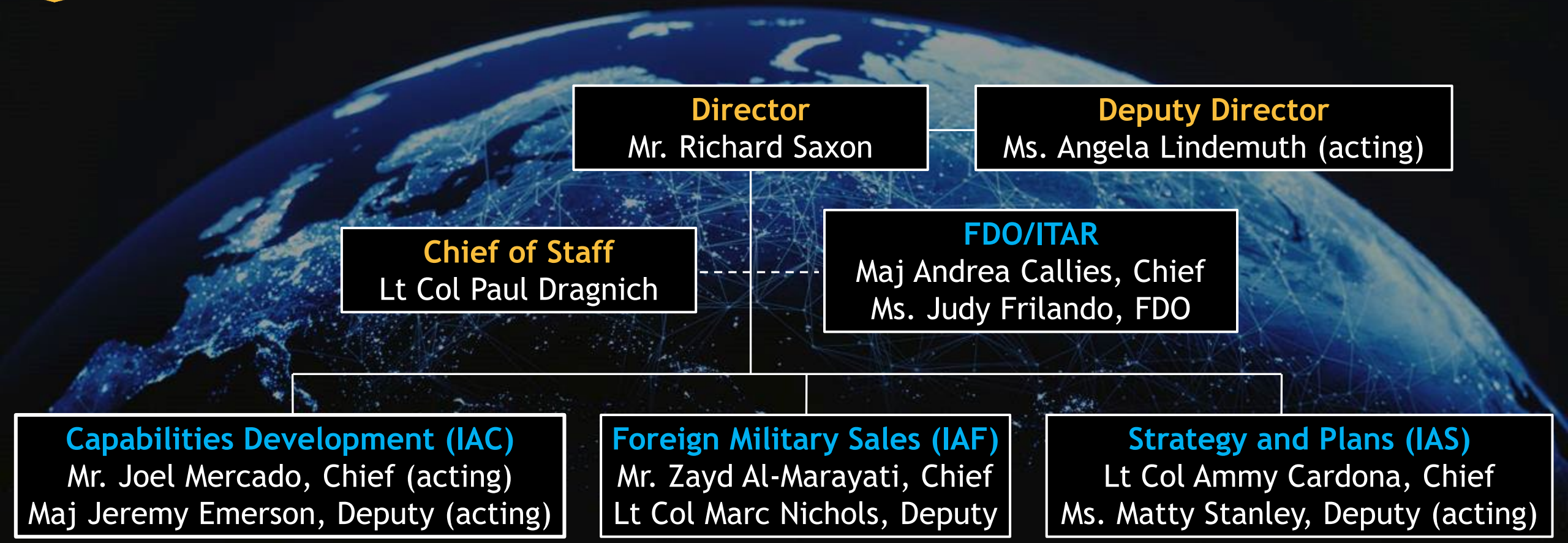
- ***“Operationalizing”* It**
  - Use of “community of interest” (COI) workshops focused on facilitating discussions and multinational perspectives on relevant issues including:
    - Hybrid SATCOM terminals (May ‘25)
    - Future Narrowband SATCOM Requirements (Nov ‘25)

FAWG #10 (United Kingdom), Nov ‘25

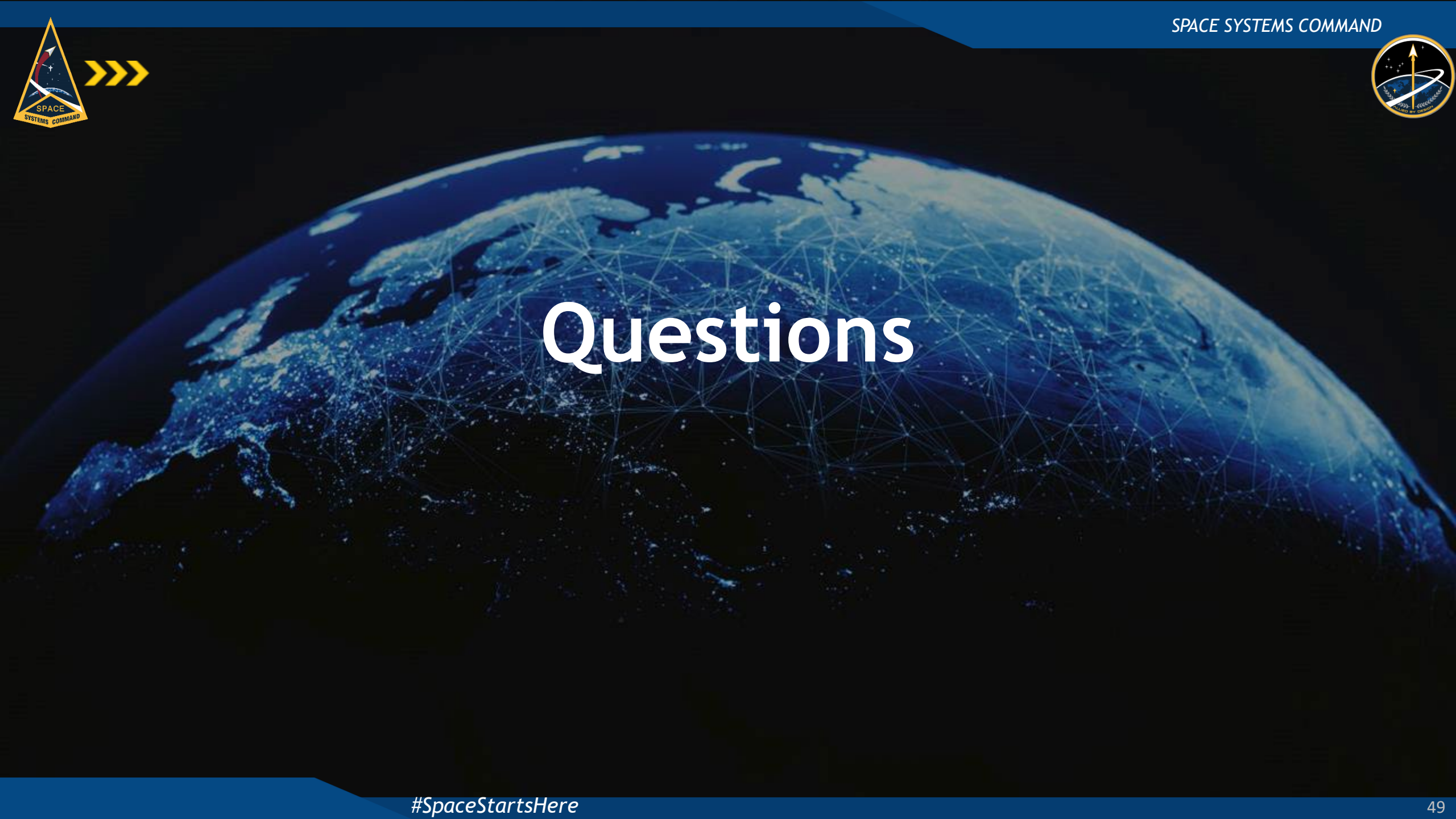
- ***Next FAWG -- June ‘26 (CAN)***

Looking to “operationalize” other applicable working groups, engagements

SSC/IA - Organizational Chart



SSC/IA -- focused on the threat, allied by design



Questions

OMNI
CONSULTING SOLUTIONS

MISSION FOCUSED ON SPACE SINCE 2011

- MILSATCOM & PNT
- SPACE SENSING
- ASSURED ACCESS TO SPACE
- SSC COMMAND STAFF (S1, S5/8, S6)
- SPACE COMBAT POWER
- BMC3I
- SSIO
- COMSO

UNITED STATES SPACE FORCE
MMXIX

PARTNER WITH US

- EMPLOYEE OWNED
- 150 CLEARED PROFESSIONALS
- TS FACILITY CLEARANCE
- OASIS+ PRIME (SB, SDVOSB, UNR)
- GSA MAS

Disabled Veteran Owned Small Business
SDVOSB
CVE

GSA
Multiple Award Schedule
(MAS) Contract Holder

ARCHITECTING, PLANNING, AND EXECUTING SPACE PROGRAMS TO MAXIMIZE MISSION OUTCOMES.

We

Break Sponsor

Space Sensing

Col. Leroy Brown, Jr.
Program Executive Officer

22 Jan 2026

DELIVER INTEGRATED & RESILIENT SPACE CAPABILITIES TO SENSE, MAKES SENSE, AND WIN!

Space Sensing Leadership Team

MD4: Mission Delta 4
MWT: Missile Warning and Tracking
PEO: Program Executive Officer
SAE: Service Acquisition Executive
SML: Senior Materiel Leader
SPD: System Program Director
STS: Sustainment Squadron
SYD: System Delta
USSF: United States Space Force

USSF SAE

PEO Space Sensing
Col. Leroy Brown, Jr.

Deputy PEO
Michael Dolan

PEO Staff

Technical Advisor
Jay Landis

Director of Engineering
Dr. David Hazelton

Chief Finance Officer
Jeff Martin

Chief of Contracts
Ron Ortiz

MD4 Commander
Col. Aaron Cochran

MD4 Deputy (SML)
Col. Randy Carlson

SYD 84 Commander
Col. Stevie Medeiros

SYD 810 Commander
Col. Dane Bannach

Director, 4STS
Allison Guest

Resilient MWT SPD
Col. Michael Rupp

MWT Ground SPD
Igor Brin

Strategic MW SPD
Col. Kenny Smith

Environmental & Tactical Surveillance SPD
Col. Dane Bannach

DELIVER INTEGRATED & RESILIENT SPACE SENSING CAPABILITIES TO SENSE, MAKE SENSE, & WIN!

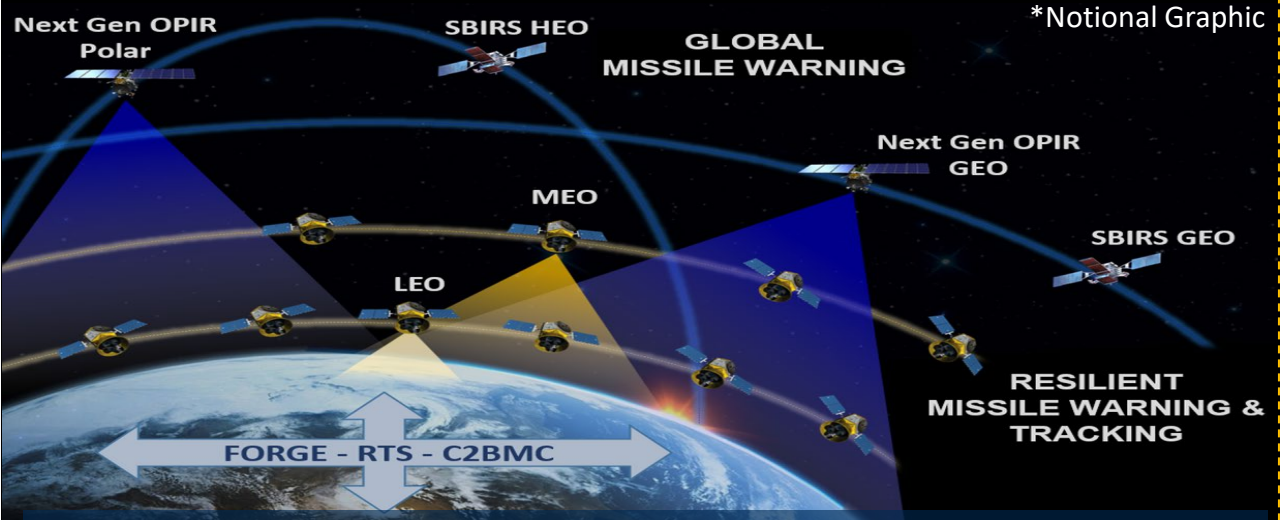
ONE TEAM, ONE FIGHT
800 Members Strong

$23.8B Portfolio
(FY26 PB)

OUR NATION'S INVINCIBLE EYE

SYD 84
MISSILE WARNING & TRACKING (MWT)

*Notional Graphic



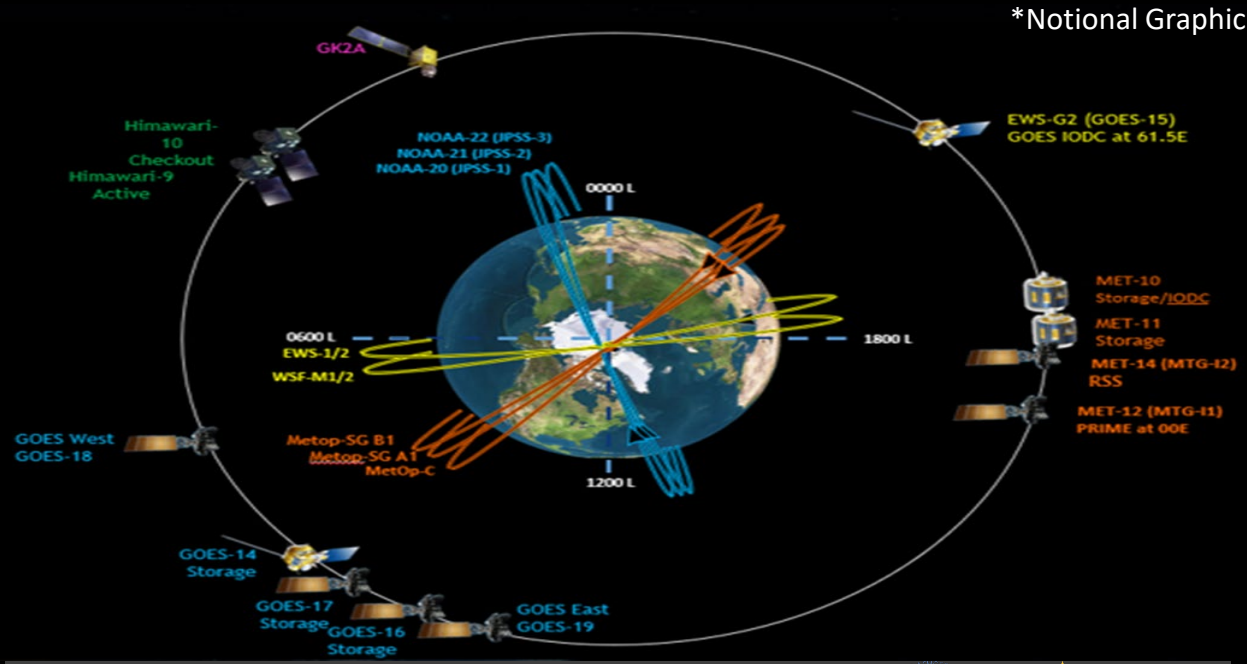
Keys to Mission Success:
- **RESILIENCY** through orbital and ground diversity
- **INTEGRATED** multi-layer architecture to Warn, Track, & Defend against evolving threats
- **OUTPACING** adversaries through frequent constellation refresh

Combined Program Office w/ Missile Defense Agency (MDA), Space Development Agency (SDA)

FIGHT TONIGHT: GLOBAL STRATEGIC MW
2028: RESILIENT MWT

SYD 810
ENVIRONMENTAL MONITORING AND TACTICAL SURVEILLANCE

*Notional Graphic



Capability Development with National Oceanic and Atmospheric Administration (NOAA)

FIGHT TONIGHT: SYSTEM OF SENSORS
2027: MISSION AREA ARCHITECTURE FRAMEWORK

SYD 84

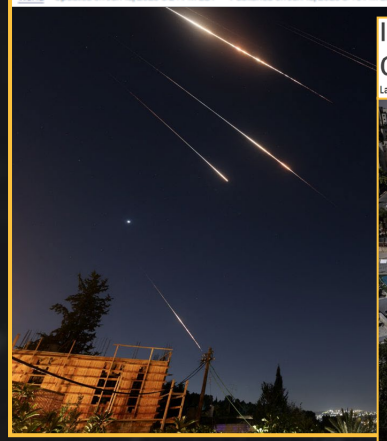
Missile Warning & Tracking

(MWT)

DELIVER INTEGRATED & RESILIENT SPACE CAPABILITIES TO SENSE, MAKES SENSE, AND WIN.

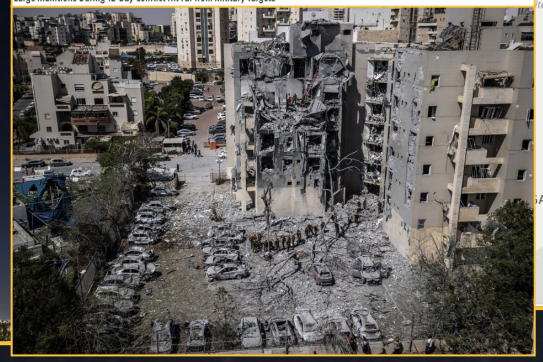
Threats to National Security

Iran launches scores of ballistic missiles in retaliation against Israel's attack on Tehran

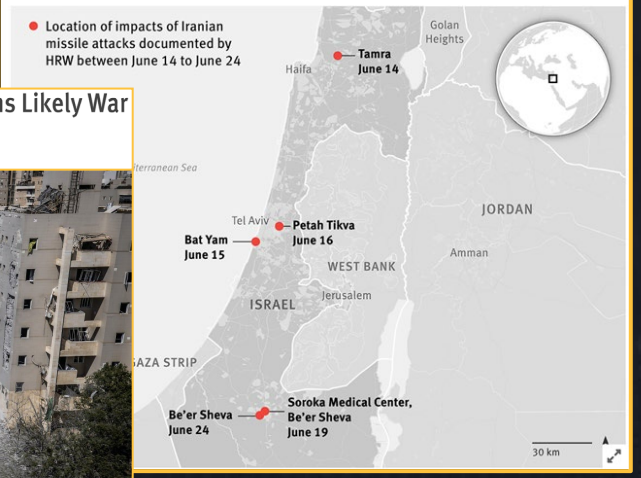


Iran: Missile Strikes on Israeli Civilians Likely War Crimes

Large Munitions During 12-Day Conflict Hit Far from Military Targets



Iranian Missile Attacks Documented by Human Rights Watch in Populated Areas



China claims its hypersonic weapon with Mach 20 speed can strike global targets in 30 mins

Re-entry glide vehicles can be deployed flexibly from satellites, ground-based launchers, or other diverse platforms.

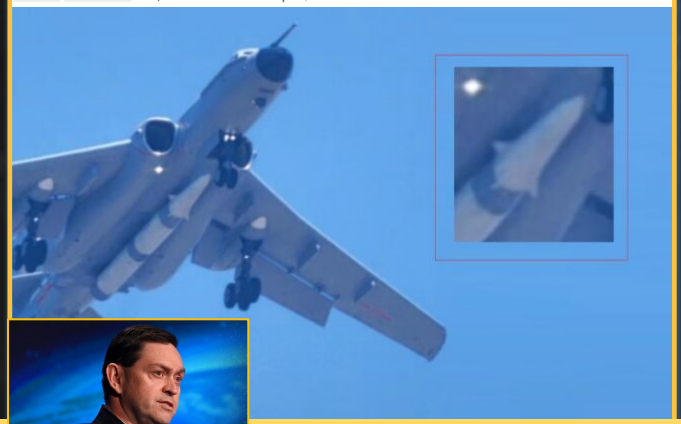
Updated: May 08, 2025 11:46 PM EST

China would destroy US military in fight over Taiwan, classified document warns

The Telegraph 10 Dec 2025

China tests new air-launched hypersonic missile

NEWS AVIATION By Daisuke Sato | Apr 6, 2025



North Korea's hypersonic missile test

7 Jan 2025

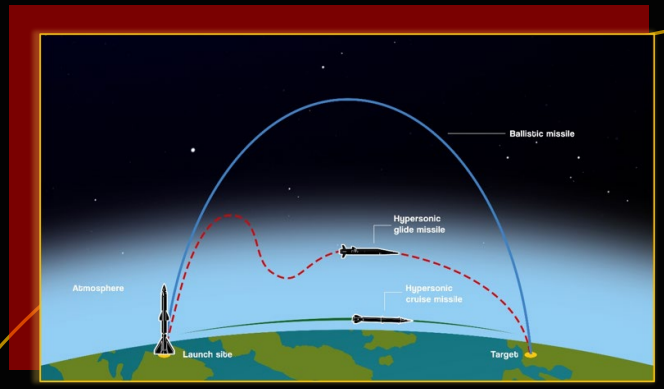
Russia flexes military muscle with hypersonic missiles and bombers during drills

Reuters 15 Sep 2025

"Space Force capabilities are critical to the Joint Force and the American way of life; it is our responsibility to defend those capabilities."

TODAY: GLOBAL MISSILE WARNING

- SBIRS GEO-5 Ops - February 2022
- SBIRS GEO-6 Ops - March 2023



Polar Layer

SBIRS HEO x2

GEO Layer

SBIRS GEO x6

Space Threats

RF Threats

DSP GEO

Optical Threats

Direct Ascent ASAT Threats

SBIRS Ground

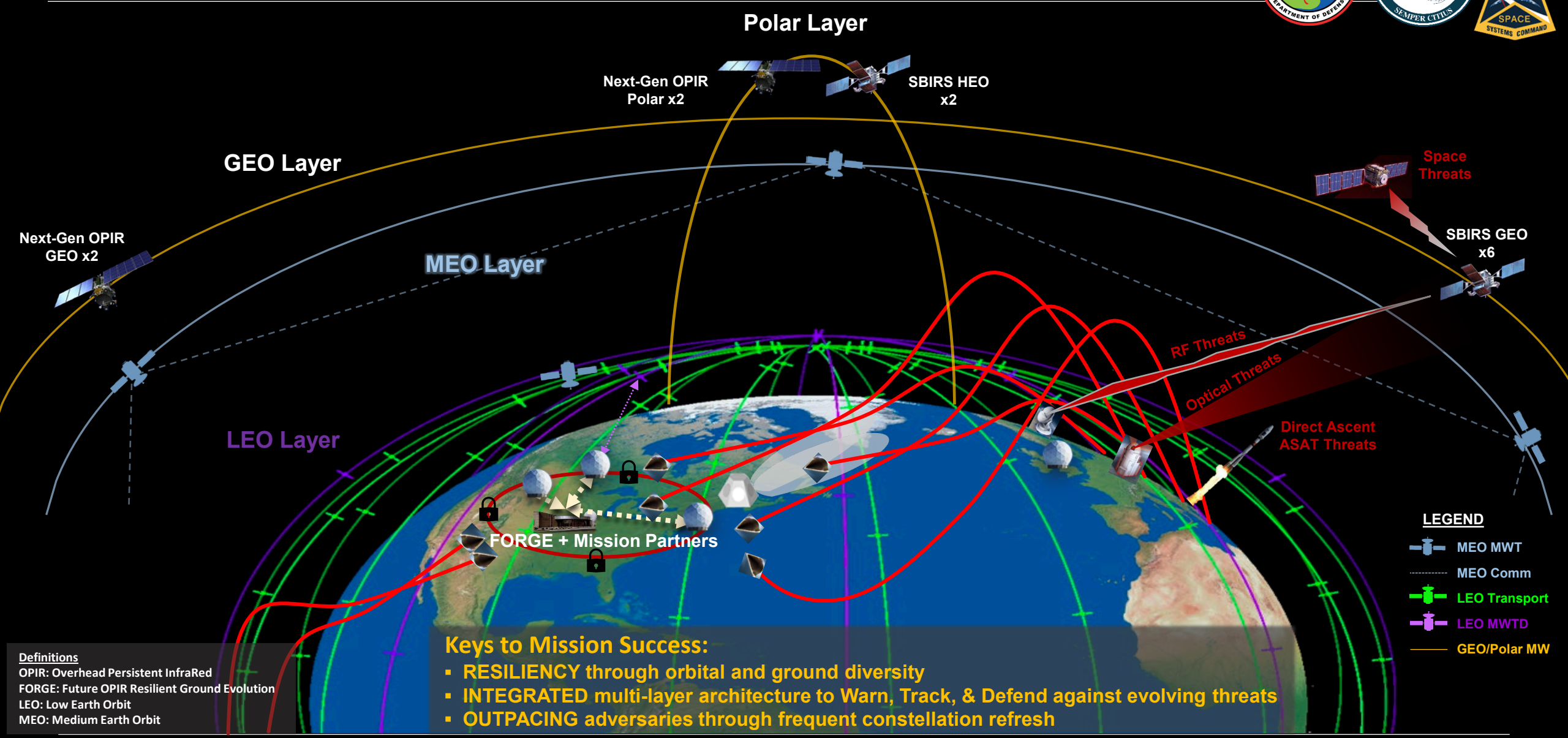
Definitions

- DSP: Defense Support Program
- SBIRS: Space-Based Infrared System
- ASAT: Anti-Satellite weapon
- GEO: Geosynchronous Earth Orbit
- HEO: Highly Elliptical Orbit
- RF: Radio Frequency

SENSE MAKE SENSE WIN

* Notional Graphic

2026+ RESILIENT MISSILE WARNING & TRACKING



Definitions
OPIR: Overhead Persistent InfraRed
FORGE: Future OPIR Resilient Ground Evolution
LEO: Low Earth Orbit
MEO: Medium Earth Orbit

Keys to Mission Success:
- RESILIENCY through orbital and ground diversity
- INTEGRATED multi-layer architecture to Warn, Track, & Defend against evolving threats
- OUTPACING adversaries through frequent constellation refresh

SENSE MAKE SENSE WIN

* Notional Graphic

Contract Awards

- MEO Epoch 1, Plane 2 (SVs 7-12) OTA – *awarded in Sep 2024*
- Relay Ground Stations IDIQ – *awarded Apr 2025*
- FORGE Gov Cloud Development – *awarded Apr 2025*
- FORGE Enterprise OPIR Solution - *awarded in Feb 2025*
- FORGE C2 contract – *awarded in Mar 2025*
- MEO Epoch 2, Plane 1 OTA – *awarded in May 2025*

MWT Opportunities

- MEO Ground Management & Integration Competition
- MEO Epoch 2 – Additional Vendor Competition
- USNDS – U.S. Nuclear Detection System - Enhanced Antenna & Receiver System Competition
- Tech Investments for Future Epochs
  - Large Format Staring Focal Plane Arrays
  - Crosslinks
  - Mission Managers
  - Novel Phenomenologies
  - Resiliency enhancements
- OPIR TAP Lab Collaboration
  - Automation of Detection & Track
  - Typing & Characterization
  - Data Exploitation

SYD 810

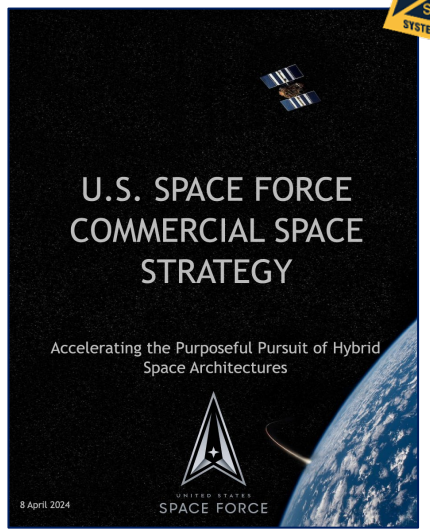
Environmental Monitoring and Tactical Surveillance

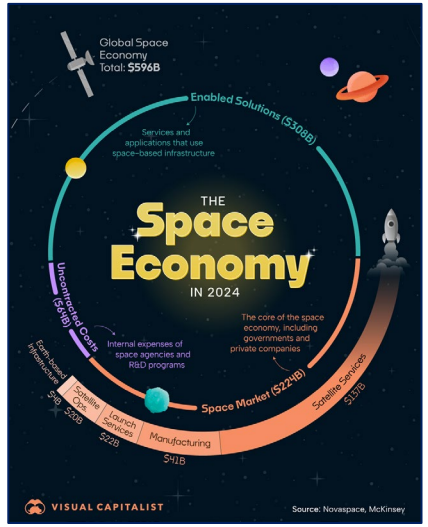
DELIVER INTEGRATED & RESILIENT SPACE CAPABILITIES TO SENSE, MAKES SENSE, AND WIN.

SYD 810 Mission & Warfighting Imperatives

- Strategic Imperatives
  - **SYD 810 capabilities are critical to the Joint Force, Combatant Commands & National Security**
  - Enable **Joint Force Maneuver & Fire** in all Domains
  - Deliver USSF **Global Mission Operations**
  - Enable **Combatant Commands to own the high ground**

- National and DoD Policy
  - SYD 810 has **two of the top priority USSF missions for Commercial Integration**
  - Leading USSF **pivot to commercial**
  - Developing **Hybrid Architectures**
  - **Enhancing resiliency**
  - SECWAR: **Engage Industry** early & often—our goal





Mission: Develop, acquire & deliver environmental monitoring and tactical sensing capabilities to enable joint military operations in all domains

Environmental Monitoring (EM) & Military Operations

- Ability to develop and provide EM capabilities is a national security imperative — **a cornerstone to the Joint Fight**
- Accurate & timely terrestrial & space EM data **cannot be taken for granted**
- Losing access to weather data, or inaccurate forecasts, will result in mission failure, lost strategic advantage and costly resource losses
- SYD 810 is building a future, **resilient, Hybrid EM Architecture**

Air Force

Targeting and Munitions Employment, Close Air Support, and Mobility

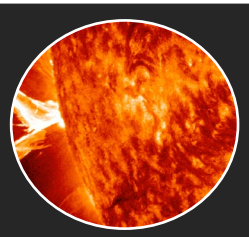
Army

Movement and Maneuver

Ground & Air Transport, Medevac, and Combat Resupply

Navy

Sea Surface Temperature and Winds for Fleet Protection, Navigation, and Forecasting



Space Force

Forecast **space weather** impacts for all Joint Force mission capabilities (i.e., Comms, ISR, EW, **GPS**/PNT, etc.)

Weather impacts every military plan and operation in every domain…including cyber!

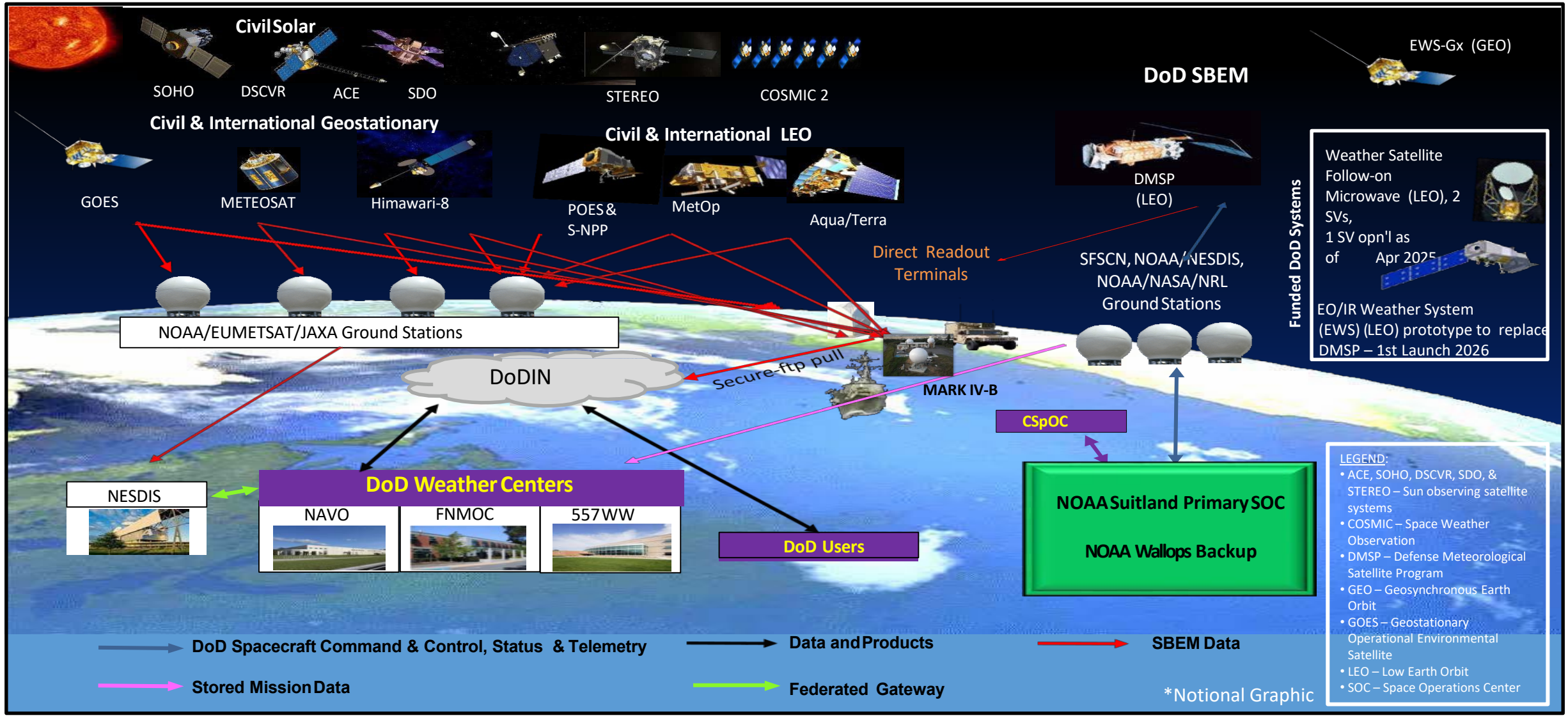
As a national security imperative, EM builds on civil / allied partnerships & relies on modernization efforts to track and forecast terrestrial and space weather

Joint Pub for Meteorological & Oceanographic Operations:

"The USSF provides space environmental monitoring and characterization capabilities to military forces in support of air, land, sea, space, cyberspace, and joint electromagnetic spectrum operations.

Capabilities include space-based environmental monitoring of terrestrial and space environments"

DoD EM Family of Systems (FoS)



Solar Weather

Impacts Space Assets

Impacts Ionosphere

UHF

GPS

DoW Satellites

IONOSPHERE

NEXION: Measures the ionosphere directly overhead

ECP-HAS: Monitors ECPs in orbit for attribution purposes

RSTN: Monitors Solar Radio Emissions

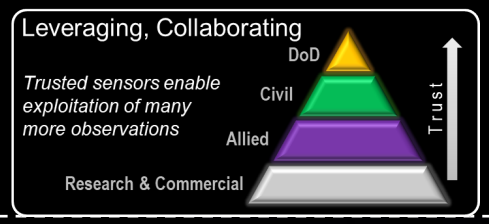
SOON: Tracks Sunspots and Solar Flares

ISTO: Monitors scintillation at UHF & L-band frequencies

Space Weather Sensors
ISTO – Ionospheric Scintillation and Total Electron Content Observer
NEXION – Next-Generation Ionosonde
RSTN – Radio Solar Telescope Network
SOON – Solar Optical Observation Network
ECP-HAS – Energetically Charged Particle – Hazard Assessment System

Space Weather Sensor Data

Non-DoD Space Weather Data Sources



UDL

Space Weather Analysis and Forecasting System (SWAFS)

SET4D on C2S Cloud

SpEnv Displays

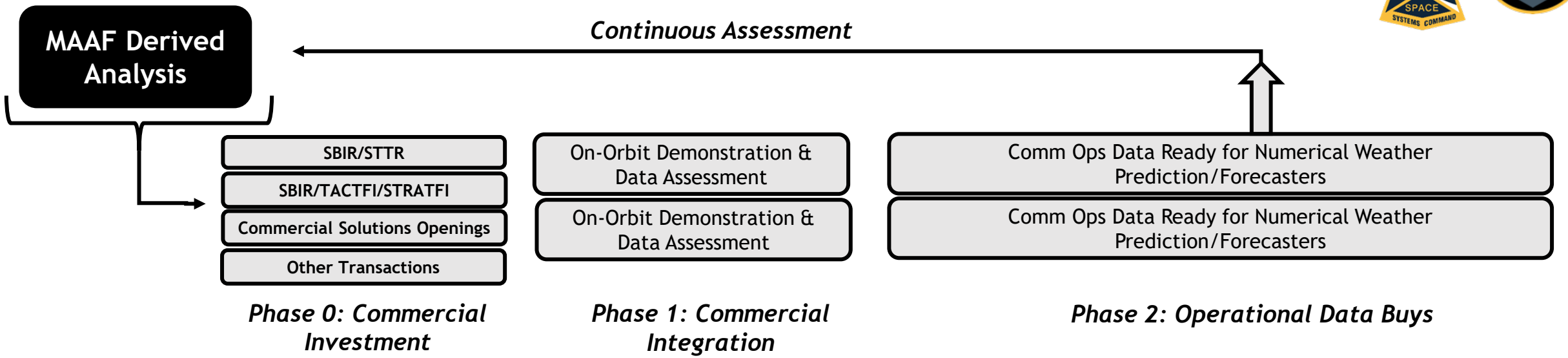
Radiation Exposure

SATCOM EMI

Radar EMI

C2/SatOps Centers

Opportunities: Growing Commercial Focus



EM Mission Area: Coming Soon!

- SYD 810 exploring long-term Commercial EM Data-as-a-Service capability
- Actively investing through Small Business Innovation Research, Strategic & Tactical Finance Increase, and other means, to mature commercial technology & capability
- Integrated Space-based and Ground-based EM needs exist and must be sustained
- Focus across both Terrestrial and Space Weather sensing and modeling/forecasting
- Expect industry engagement, outreach & collaboration in early FY26!

Definitions:
MAAF: Mission Area Architecture Framework
SBIR: Small Business Innovation Research
STTR: Small Business Technology Transfer Research
TACFI: Technology Assistance & Commercialization Facilitation Initiative
STRATFI: Strategic & Tactical Finance Increase


Q&A
#GIDDYUP!

Booz Allen

Space Industry Days

Day One Luncheon

22 October 2025

Booz Allen

WHO WE ARE

Today's Booz Allen is a private sector leader building advanced technology to fast-track results for government—boosting efficiencies, saving money, and safeguarding America.

We use best-in-class tech to support the nation's most important missions—the ones that defend us, the ones that transform lives, and the ones where technology must perform reliably, whether in deep space, underwater, or on the other side of the world.

We provide advanced technical capabilities and support for missions critical to U.S. National Security. Through software and data capabilities and systems, we support critical missions from ground to the farthest orbits with resilient and intelligent solutions.

boozallen.com

COMPANY HIGHLIGHTS

$3B invested in advanced tech and innovation over past decade

18 companies funded through Booz Allen's **$300M** venture fund

Leading AI provider to the federal government with **200+** active projects

300+ active cyber projects spanning government and commercial customers

10+ years of leading quantum technology

14 manufacturing / R&D centers

MAKING TECHNOLOGY WORK FOR AMERICA

Booz Allen moves with intense speed, bringing unmatched tech superiority to help our government and business customers win in today's competitive world and prepare for what's next. Our future-focused technology is making America safer, faster, greater.

Advanced Technology Expertise
Visionary leader driving transformation in AI, cyber, space, and 5G/6G

Leading Commercial Technology Partners
Integrating our proprietary tech with tech from our partners: AWS, NVIDIA, Shield AI and others

Innovation Matchmakers & Investors
Strategic investments in AI, cyber, digital battlespace, and deep tech through Booz Allen Ventures

SPACE CAPABILITIES

- Cloud Computing
- Data Engineering
- DevSecOps
- On-Orbit AI
- Data Science
- Intelligence Analysis
- Advanced Ground Systems
- Software Engineering
- System Engineering and Integration (SE&I)

NDIA

Greater Los Angeles Chapter

Kratos Space

We build the systems and solutions that make this possible.

- **Trusted Partner**
  - Working collaboratively to solve our customer's toughest challenges
- **Dominant Provider**
  - Global leader in SATCOM C2, resilient aerospace communications, & RF SDA
- **Critical Bridge**
  - Unique in tying together: Commercial, NewSpace DoD, IC, & International

- **Engineering Focus**
  - Innovation balanced with fiscal & operational discipline solving hard problems
- **World Class Engineers in 21 Facilities & U.S. Factory**
- **1,000+ Personnel**
- **SCI-cleared SCIFs, SAPF**

Corporate Overview:

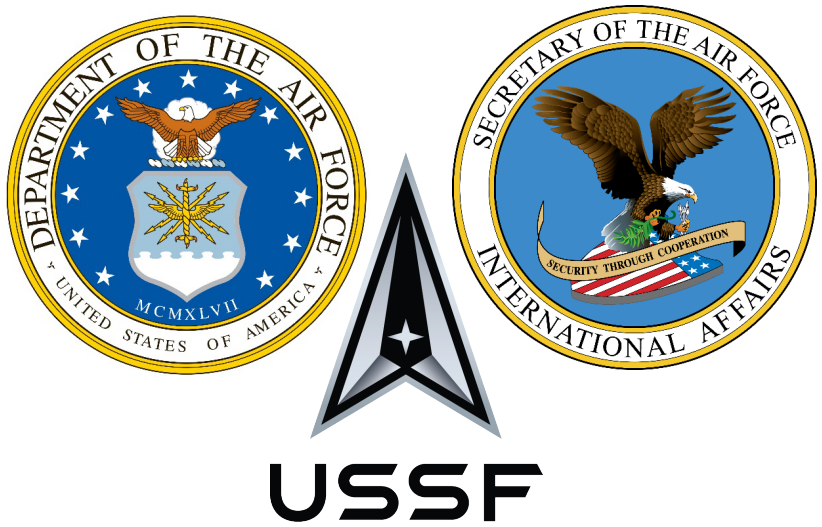
- Over 3,900 Employees
- Over $1B Revenue
- NASDAQ: KTOS
- 60/40% Products/Services
- 60+ Locations Worldwide
- San Diego Headquarters

KRATOS

Department of the Air Force

Semper Supra

Space Export Baseline Orientation



SAF/IAPG
Space Weapons

Export Baseline Basics

- SAF/IA is the principal DAF foreign disclosure authority to release:
  - Classified Military Information
  - Controlled Unclassified Information
  - SAF/IAP maintains the Air Export Baseline
  - SAF/IAP-S maintains the Space Export Baseline
- Export of military equipment, defense services, technologies or capabilities are a type of foreign disclosure:
  - Foreign Military Sales (FMS) & Direct Commercial Sales (DCS)
  - DAF inventory systems
  - Commercially-developed, non-inventory systems with military application or technology designated as dual-use
- DAF Positions on Technology Release and Foreign Disclosure of military equipment, defense services, technologies or capabilities are documented in a Baseline
  - The Space Export Baseline is reviewed and updated on a 3-yr cycle (minimum)
- Out of cycle adjustments to Baseline positions are Toplines
  - Toplines occur on a case-by-case basis when existing Baseline positions do not appropriately address a specified commodity, country, or situation

Terms of Reference

- Baseline – pre-coordinated & DAF-wide position on exportability and derived disclosure
  - Exportable military capability/technology/service parameters
  - Matrixed across countries eligible for export
- Topline – Baseline position updates or revisions
  - Specific adjustment to exportable capability/technology/service parameters
  - Specific adjustment involving a given country
  - Specific adjustment for a time-based situation
- Baselines apply to Inter-service & Inter-agency Technology Release and Foreign Disclosure decisions:
  - DAF positions on military technology export licensing
  - DAF positions on Foreign Disclosures affecting the Air and Space Domain
  - DAF positions on Exceptions to National Disclosure Policy and Military Intelligence Disclosure Policy
  - Technologies involving to Low Observable & Counter-Low Observable (LO/CLO) oversight

DAF Baselines/Toplines do not override NDP, MIDP, or LO/CLO

Why Baseline

- Protect current and future US warfighting technology advantage and worldwide access
- Build coalition capability and interoperability IAW National Strategy and Combatant Command Priorities
- Drive continuous comparative analysis of:
  - CCMDs & Space Component Operations
  - USSF Warfighting Doctrine and Space Weapons School TTP
  - Intel Threat Assessments
  - USSF Program Development and Acquisition
  - Space Industry Technology and Innovation
- Promote foreign military relationships through US industry
  - Preserve/expand US industrial base & technological expertise
  - Promote US Manufacturing as the global supplier of choice
  - Sync industry export marketing with US warfighter equities
  - Provide operational inputs to export licensing decisions

Space Export Baseline Organization

- Space Baseline is organized around <u>Doctrinal Space Mission Areas</u>
  - Space Domain Awareness: Surveillance of Space
  - Space Based Sensing & Targeting: Surveillance from Space
  - Space Control: Pursuing Space Superiority (maneuver warfare in space)
  - Navigational Warfare: Assure/deny military Position, Navigation, & Timing
  - Satellite Communications: Provide SATCOM
  - Missile Warning & Tracking: Overhead and Ground-based Missile Warning
  - Theater Electromagnetic Warfare: Deny SATCOM & Links
  - Space Access: Satellite TT&C, On-orbit Sustainment & Launch Ops
  - Software & Cyber Ops: Running & Defending the Networks
  - TTPs, Training & OTTI: Combined Space Training – Live, Virtual, Constructive
- Exportability thresholds relevant to capabilities in each Mission Area
- Export Tiering relevant to each Mission Area

Access the Space Export Baseline

- All Baselines and Toplines are classified at SECRET, or higher, with a NOFORN distribution due to their inclusion of export control information
- SAF/IAP manages all DAF Baselines and Toplines as eyes-only documents
  - Enforce limited distribution
  - Ensure proper export position interpretation and application
  - Maintain version control
- Specific answers to specific exportability questions can be relayed through classification- appropriate channels

SAF/IAPG (part of SAF/IAP-S) is the
Space Export Baseline & Topline Custodian

E-mail SAF.IAP.S@us.af.mil with questions or to arrange access

Assured Access to Space

Overview

22 January 2026

Col Eric J. Zarybnisky
Program Executive Officer, AATS

Resilient & Ready Spaceports

Infrastructure




Spaceport Operations




Defense




Resilient & Ready Spaceports

Infrastructure

- Improvements to roads, power lines, water supply lines and treatment plants
- Shifting toward a data-centric strategy by modernizing sensors and data hosting solutions
- Transforming legacy Mission Architecture to a unified space lift and test range architecture
- $150M+ to add military utility to state-owned MARS and Kodiak spaceports since FY2018

Spaceport Operations




Defense




Resilient & Ready Spaceports

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Spaceport Operations

- Successfully awarded two Commercial Solutions Opening contracts for increased commercial SV Processing
- Using Public-Private Partnerships to expand dual-use facilities to process USSF SVs for launch
- Developing the capability to deliver various space-lift-operations-qualified data subscriptions to all space lift operators, eliminating the need for unique instrumentation plans

Defense

Resilient & Ready Spaceports

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Defense

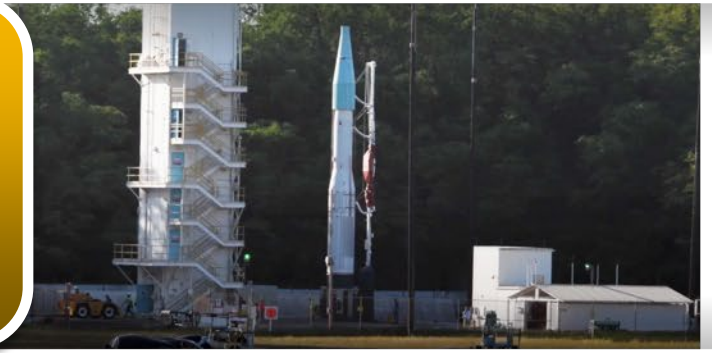
- Focus on physical security (counter-UAS, electromagnetic monitoring, perimeter, upgrade protection level security)
- Planned for increase in cyber and electronic security

Responsive & Reliable Launch

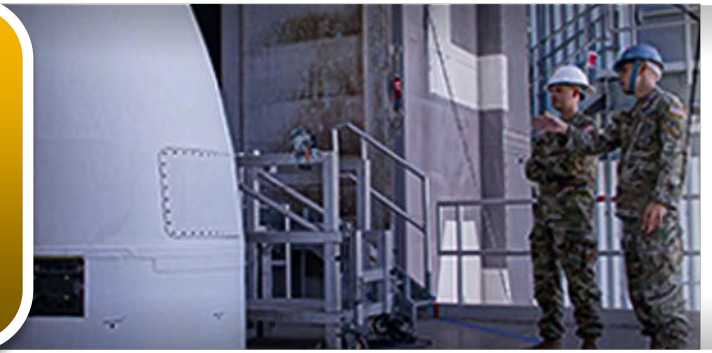
National Security Space Launch




Rocket Systems Launch Program




Mission Assurance

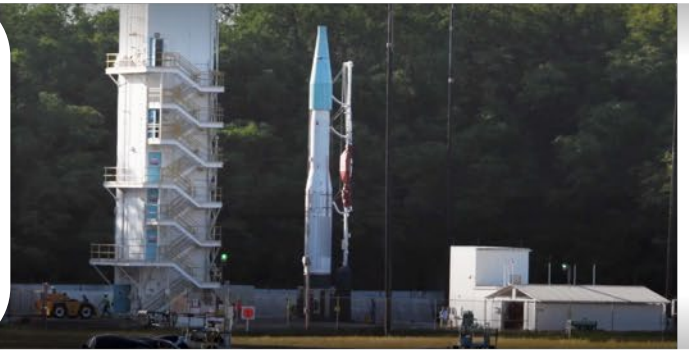



Responsive & Reliable Launch

National Security Space Launch

- Executing Phase 2 missions, awarding and executing Dual Lane Phase 3 missions
- Launched seven NSSL missions in FY25
- Successfully awarded 15 Phase 3 Lane 1 missions in the past year
- On-ramped five Lane 1 launch service providers

Rocket Systems Launch Program

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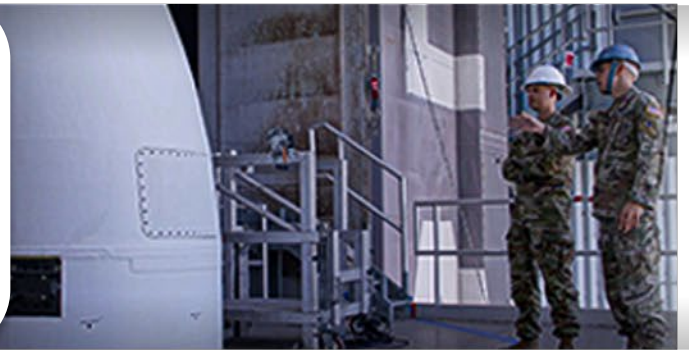


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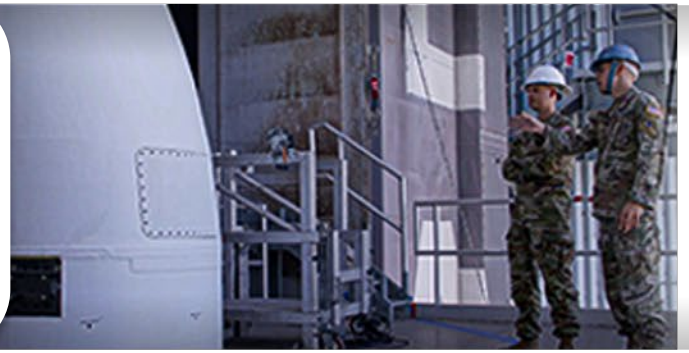
Rocket Systems Launch Program

- Two primary launch services contracts; both are highly flexible and can launch when ready
  - Orbital Services Program-4: Last on-ramp in July 2024; 12 launch providers
  - Sounding Rocket Progam-4: Second on-ramp in January 2024; 5 providers for sub-orbital missions
- Launched three RSLP missions in FY25, and already launched two missions in FY26

Mission Assurance

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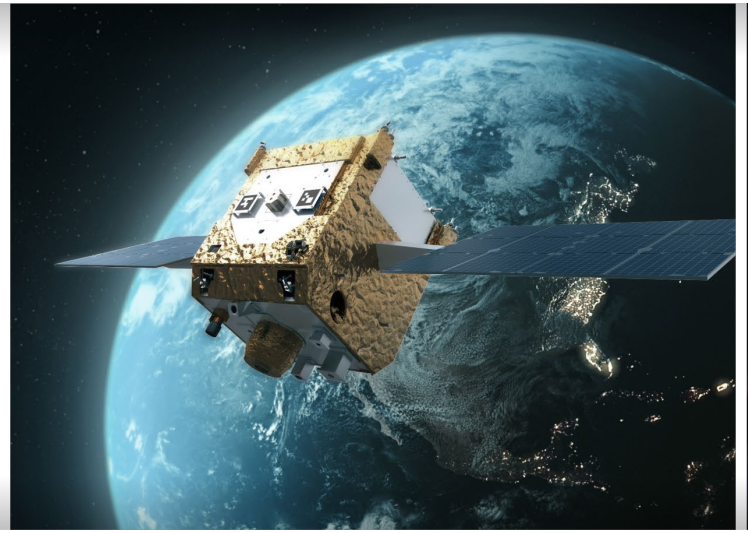
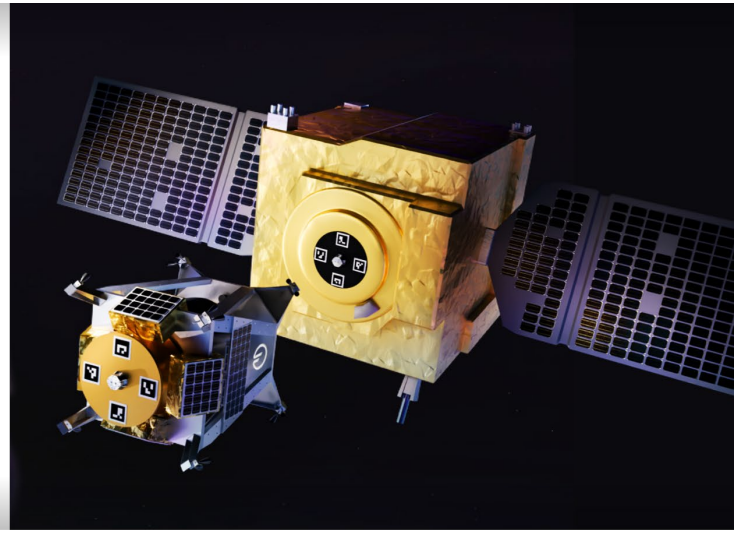
Mission Assurance

- Evolving NSSL to meet the growing demand with tailorable levels of mission assurance

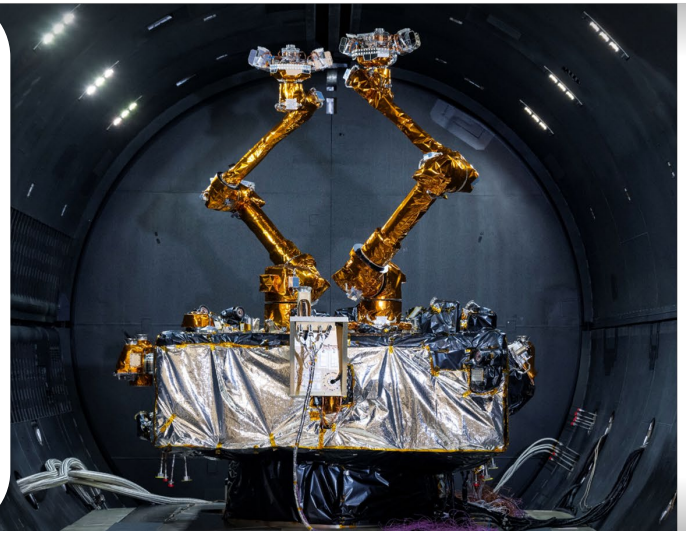
Servicing, Mobility & Logistics

On-orbit Refueling

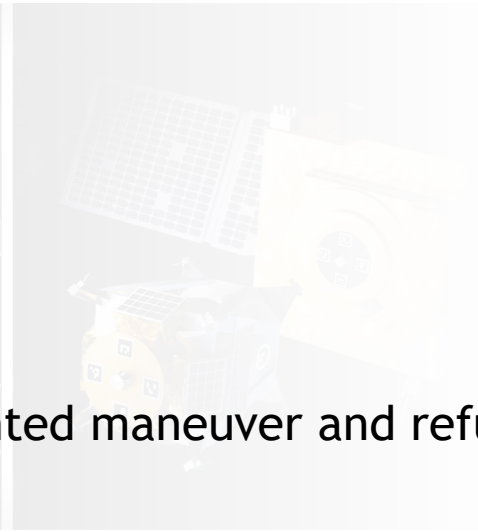




Augmented Maneuver

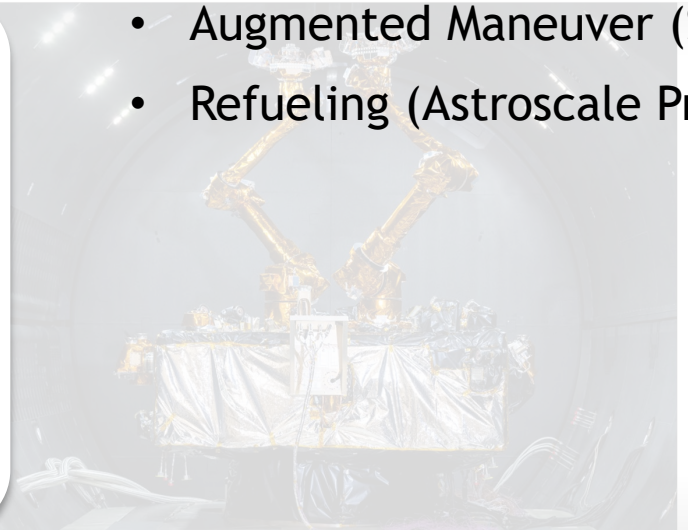


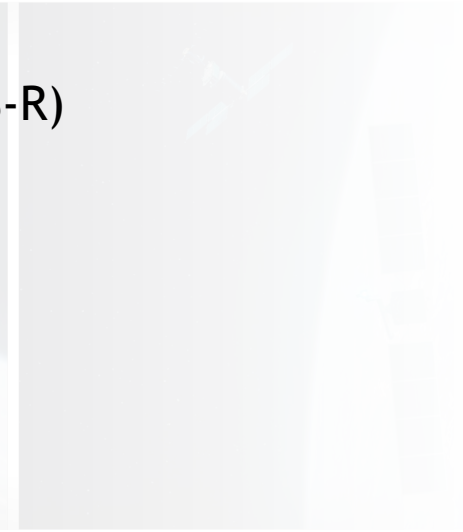
Servicing, Mobility & Logistics



On-orbit Refueling

- Aligned industry to advance SML mission areas across augmented maneuver and refueling
- Launching first-of-a-kind prototype demonstrations in 2026:
  - Augmented Maneuver (Starfish Otter)
  - Refueling (Astroscale Prototype Servicer - Refueling, APS-R)



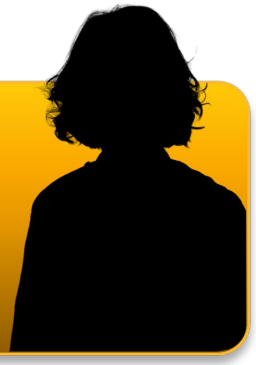


Augmented Maneuver

Meet Our Team

PROGRAM EXECUTIVE OFFICER

Colonel Eric Zarybnisky



DEPUTY PROGRAM EXECUTIVE OFFICER

Vacant

CHIEF ENGINEER

Mr. John Steinmeyer

DIRECTOR OF OPERATIONS INTEGRATION

Colonel Daniel Highlander

SLD 45 Commander

Colonel
Brian Chatman

SLD 30 Commander

Colonel
James Horne

SYD 80 Commander

Colonel
Ryan Hiserote

Director, Mission Solutions

Colonel
Matt Flahive

SPM, Launch & Test Range System

Mr.
Steve Letter

Director, Servicing, Mobility & Logistics

Colonel
Scott Carstetter

SPM, Rocket Systems Launch Program

Lieutenant Colonel
Steve Hendershot

What We Need From Industry

Servicing Mobility & Logistics

Responsive & Reliable Launch

What We Need From Industry

Servicing Mobility & Logistics

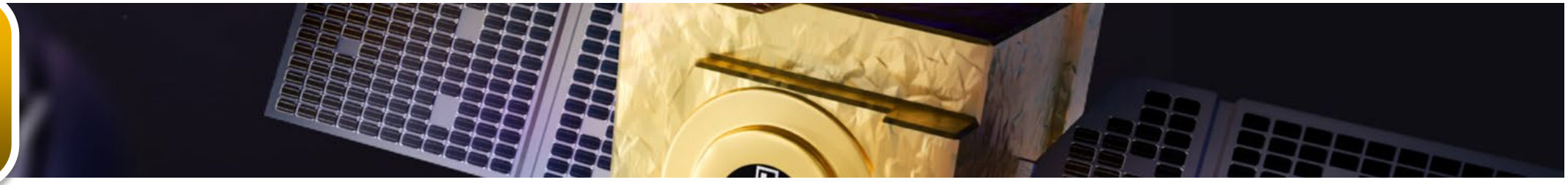
- Continued industry engagement in joint forums to inform targeted investments
- Align innovation with warfighter needs to accelerate capability development and delivery

Col Scott Carstetter, Director, Servicing, Mobility & Logistics

Responsive & Reliable Launch

What We Need From Industry

Servicing Mobility & Logistics



Responsive & Reliable Launch

- Continued innovation in launch vehicle technology to reduce costs, improve performance, and increase agility
- Secure and resilient launch infrastructure to ensure mission success
- Successful execution of assigned missions with continued focus on mission assurance

Col Matt Flahive, Director, Mission Solutions

What We Need From Industry

Launch & Test Range Systems

Rocket Systems Launch Program

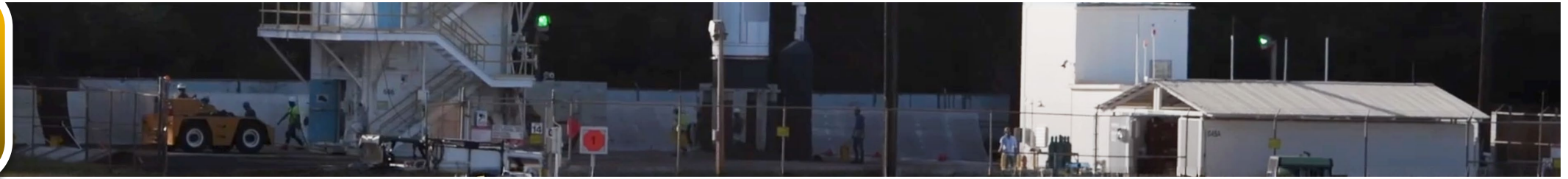
What We Need From Industry

Launch & Test Range Systems

- Intelligent Edge Node/Data Collector Optimization Technologies that are focused on mission data streams for operational decision-making
- Methodologies and tools for COTS Integration to seamlessly incorporate mission data and software solutions in the range environment
- Optimized Hardware Lifecycle Management: extending the lifespan, and reducing the lifecycle costs of range hardware through proactive maintenance, predictive analytics, and strategic and timely upgrades

Mr. Steve Letter, Launch & Test Range System

Rocket Systems Launch Program



What We Need From Industry

Launch & Test Range Systems

Rocket Systems Launch Program

- Feedback and responses on Rocket Systems Launch Program (RSLP) Innovative Delivery of Effects (RIDE) RFIs opportunity to influence the future of small launch
- Bring solutions that help us meet our mission at cost and on schedule

Lt Col Steve Hendershot, SPM Rocket Systems Launch Program

Industry Opportunities/Engagements

OPPORTUNITIES	DATE	CONTACT
NSSL Phase 3 Lane 1 Launch Services Procurement IDIQ	FY27 On-ramp RFP: 1Q FY27	Kirsten Prechtl kirsten.prechtl@spaceforce.mil
NSSL Phase 3 Lane 1 Launch Services Task Orders	Multiple-Mission RFPs: 3Q FY26	Kirsten Prechtl kirsten.prechtl@spaceforce.mil
Follow-on acquisition, RSLP Innovative Delivery of Effects (RIDE) is in development	1Q FY27	Frank Strub frank.strub@spaceforce.mil

ENGAGEMENTS	DATE	CONTACT
Space Mobility Conference	28 Jan 26, Orlando FL	spacemobility.org

Monitor SAM.gov and listed websites for updates and additional information

ENGAGE WITH US

Questions?

argotec

We

Break Sponsor

Vantor

USSF COMMERCIAL SPACE OFFICE (COMSO)

January 2026

COL. TIM TRIMAILO
DIRECTOR, COMMERCIAL SPACE OFFICE

Commercial Space Office (COMSO) Mission

- Deliver operational capability to the warfighter by partnering with commercial space industry
  - Develop sufficient and efficient capabilities through hybrid architectures to stay AHEAD of the threat
  - Integrate U.S., Allied, and Commercial capabilities (hybrid architectures)
  - Accelerate the adoption/integration/resiliency of commercial capabilities
- Maximize commercial capability integration into the operational enterprise space architecture
  - Early market assessment, commercial industry partnering, and commercial acquisition strategy development
  - Expanding partnerships with other US Government commercial offices
  - Support the Capability Program Executive Officers and drive commercial first thinking
- SSC executive agent for OSD Commercial Space Integration Strategy & USSF Commercial Space Strategy

Top-Down Direction

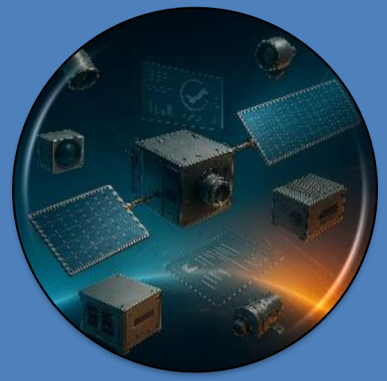
- **Congressional Direction**
  - **2022 NDAA Section 1607**: Mandates leveraging commercial solutions where possible
  - **2024 Appropriations**: $50M for TacSRT in Commercial Services PE
  - **2025 SAC-D Markup (*FY25 CR*)**: $62M for Commercial Services PE
  - **FY25 Continuing Resolution:** $40M for Commercial Capability Integration
- **USSF Commercial Space Strategy (Apr 2024):**
  - Actively seek and operationally integrate commercial solutions into a hybrid space architecture
  - Aligns with the **2024 DoD Commercial Space Integration Strategy**
- **USSF Commercial Space Implementation Plan (May 2024):**
  - Integrate into the FY26+ budget build and carve out requirements that can be fulfilled via commercial space
  - **SSC Commitment**: Resource COMSO to execute CASR programs
- **VSCO Memo to FLDCOM/CCs (Dec 2024):**
  - **Prioritize commercial initiatives in SATCOM, SDA, SAML, TacSRT, SBEM, Cyber, C2, and altPNT**
  - **Leadership Mandate**: FIELDCOMs ensure commercial priorities are supported in budget submissions
- **Executive Branch Direction:**
  - **EO (9 Apr 25):** Acquisition reform to expedite acquisitions w/a first preference for commercial solutions
  - **EO (16 Apr 25):** Agencies shall procure commercially available products/services…to the maximum extent practicable
  - **EO (16 Apr 25):** Removes regulatory barriers, accelerates licensing, & streamlines infrastructure development for commercial ops
  - **SECWAR (7 Nov 25):** Acquisition reform; leverage commercial to put capability in the hands of warfighters at speed

Leadership demanding action: USSF must operationalize commercial space solutions across architecture

Commercial Space Integration as a Continuum

Capability-As-A-Service

- Commercial Owned & Operated
- Subscriptions, Service Level Agreements, Data Buys
- Examples: Launch, COMSATCOM, Global Data Marketplace, Joint Antenna Marketplace



Commercial-Off-the-Shelf

- Space-qualified parts, subsystems, full spacecraft
- Commercial Software Licenses
- Examples: Propulsion systems, data processors, star trackers, solar panels, crosslinks, comm payloads

Commercial-Off-the-Shelf w/ Modifications

- COTS hardware or software purchases
- Modifications to suit government missions
- Examples: Space Development Agency PWSA, MEO Missile Track Custody

Leverage Commercial R&D

- Privately financed dual use capability development
- Cost sharing between govt and private investors
- Industry IR&D
- Examples: Tactical and Strategic Finance Increase (TACFI/STRATFI) projects

Government-custom R&D and Production

- "Traditional" acquisitions to build unique government capability for specific government missions
- Not intended for dual use capability
- Still opportunities for commercial integration in components

Buy ← *Exploit What we Have Throughout* → Build

Driven by Mission Need, Risk Tolerance, Business Maturity, Commercial Marketplace

Commercial Space Office Organization & Roles

SPACE SYSTEMS COMMAND

Responsible for developing, acquiring, equipping, and sustaining lethal and resilient space capabilities against growing threats in a dynamic global environment

COMMERCIAL SPACE OFFICE

Deliver operational capability to the warfighter by partnering with commercial space industry

SPACE FORCE FRONT DOOR

ENGAGE
Understand emerging commercial companies and connect industry with government stakeholders

SPACEWERX

INNOVATE
Advance technologies, expand industrial base, develop dual-use capability and enable transition to ops

COMMERCIAL SATCOM OFFICE (CSCO)

COMSATCOM PMO
DoW's one-stop-shop for acquisition and management of COMSATCOM capabilities

COMMERCIAL AUGMENTATION SPACE RESERVE (CASR)

SURGE IN CRISIS/CONFLICT
On-call commercial capabilities and incentive structures to backstop DoW across spectrum of conflict

INVESTOR RELATIONS

SYNCHRONIZE
Ensure transparency, foster partnerships and promote private investment in dual-use space technologies

ENTERPRISE SPACE ACTIVITY GROUP (ESAG)

WORKING CAPITAL FUND
Adaptable and scalable financial platform, capable of maximizing DoW investments into commercial capabilities

ENGINEERING & INTEGRATION

INTEGRATE
Identify DoD needs & develop strategies to assess, integrate & transition commercial solutions to ops

Matrixed Resources

Contracting: Flexible traditional/non-traditional methods to acquire commercial space solutions across the spectrum-of-conflict
Financial Management: Manages working capital & appropriated funds, performs COMSO financial execution, and supports PPBE activities

CSCO Forecast to Industry (FY26)

AFCEA Space Industry Days

22 January 2026

Clare Hopper
Chief, SSC/CMS
Commercial Satellite Communications Office
Space Systems Command
United States Space Force

OVERVIEW

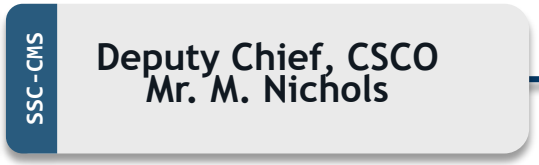
01 THE CSCO MISSION & ORGANIZATION

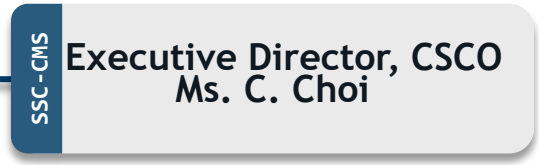
02 FUTURE REQUIREMENTS FOR FY26-27

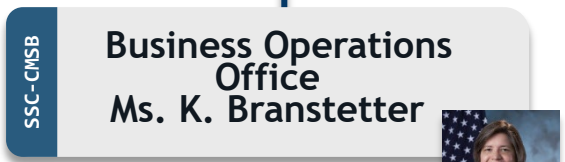
03 SUMMARY

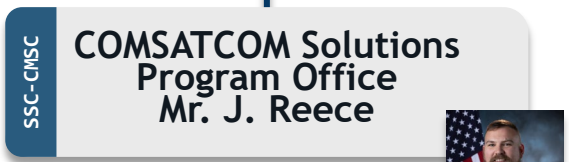
THE CSCO MISSION & ORGANIZATION

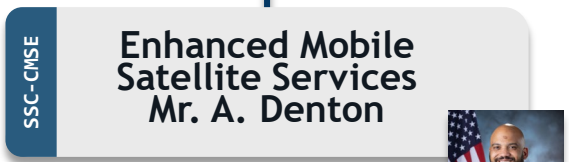
USSF Alignment

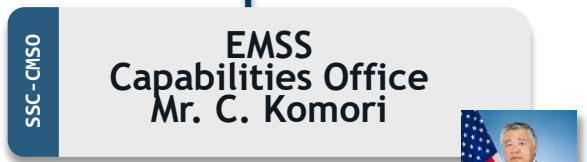












The CSCO Mission

...much more than acquisition support!

MISSION

(U) **Deliver global, operationally responsive, customer-focused, and cost-effective COMSATCOM and custom end-to-end solutions to DOD, affiliated Mission Partners, and End-Users.**

FOCAL POINT FOR COMSATCOM ACQUISITION

(U) **Sole authority** for DOD COMSATCOM procurements per Pub. L. 115–91 § 2279(c)(B)(3) and DODI 8420.02

(U) **$18.6B** contract lifecycle aggregate

(U) Facilitated **87% of COMSATCOM bandwidth & 98% of throughput procurements** for DOD in FY24 (81% of total COMSATCOM expenditures)

ONE-STOP SERVICE PROVIDER

(U) **Flexible & cost-efficient** – multiple constellations, orbits, & frequencies

(U) **188 contracts**, incl. 5 MSS BPAs

(U) **162 active orders** for wideband

(U) **160K+ EMSS devices** provisioned with a 99.98% access success rate

EVOLVING MISSION & PROCESSES

(U) **Expanded catalog** of new/existing commercial space-based capabilities

(U) **pLEO multi-vendor IDIQ** awarded July '23 with increasing interest

(U) **Increased delivery** speed

(U) **Responsive & predictive** of DOD COMSATCOM demand signals

Enhanced Mobile Satellite Services (EMSS)

The EMSS Program has provided Iridium services, equipment, Service Center operations, and operational support for over two decades.

iridium

UNLIMITED USE AIRTIME CONTRACT

- Unlimited minutes, and data
- No monthly fees
- PTT Netted and Global Communications
- Telephony (Secure Voice)
- Short Burst Data
- Broadcast
- Certus Broadband

IRIDIUM CONSTELLATION

- 66 Satellites
- Crosslinks – built in security
- LEO Orbit – Low latency
- 100% Global Coverage
- Including polar coverage
- Higher power broadcast
- Localized spot beams

DOD EMSS SERVICE CENTER

- EMSS owned & operated
- Secure facility
- Dedicated U.S. feeder link to Iridium constellation
- PSTN/DoDIN/NIPRnet and other network interfaces
- Low-to-high data rate services (Certus)

- **Commercial & custom devices** registered/provisioned
- **Customers Include**: DoD, US Federal Gov't & foreign partners
- 24x7x365 Help Desk and field operations support

COMSATCOM Solutions

Mission Statement

Deliver global-reach, operationally responsive, customer-focused, and cost-effective Fixed Satellite Services (FSS), Mobile Satellite Services (MSS), and custom end-to-end solutions to DoD and affiliated Mission Partners / End-Users

CURRENT SNAPSHOT

Wideband

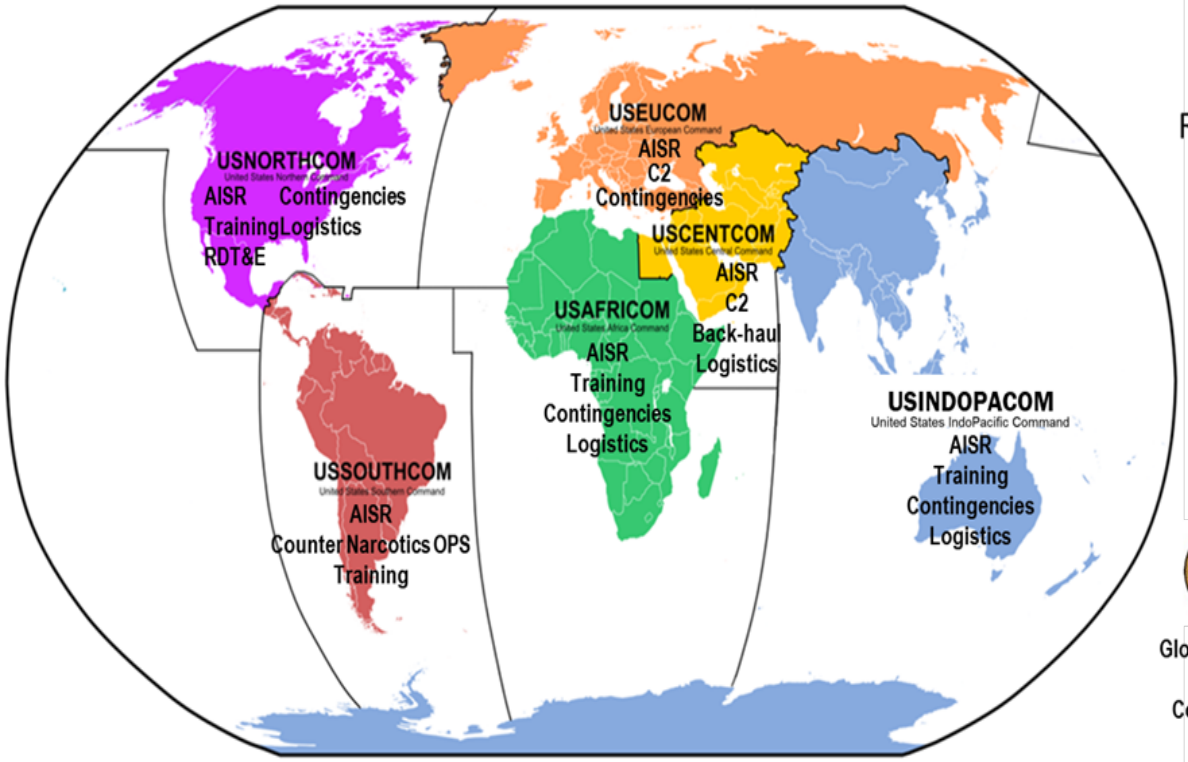
- 196 active contracts/orders

EMSS

- 163,000 devices provisioned to the Iridium constellation. Small form factor devices.

MSS

- Global Mobile Satellite Service contracts providing INMARSAT capability across multiple platforms. 4000+ subscribers.



Global Requirements

Senior Leader Communications

Global Logistics Communications

Global Maritime Operations
Combat Operations
Contingency Operations

CSCO Business Office

MISSION

Oversee the management of Business Automation systems allowing for the rapid order and delivery of services and capabilities; provide for workflow management, metrics, and reporting; and interface with Contracting and Financial systems; all facilitating COMSATCOM Enterprise Management.

BUSINESS AUTOMATION

Deploy/Maintain Business Automation Systems

Interface with Financial Systems, Contracting Systems, Management Platforms

Cybersecurity Management

SERVICE CATALOGS, METRICS, AND REPORTING

Near real-time updates to catalogs of Services available to Mission Partners

Account management, device management, utilization metrics

Real time metrics and reporting supporting Leadership and Mission Partner requirements

INTER-AGENCY AGREEMENTS & FOREIGN MILITARY SALES

Inter-agency agreements supporting Other Government Agency requirements

Foreign Military Sales Case Management

MOA/MOU/G-Invoicing/7600 file management

FUTURE REQUIREMENTS FOR FISCAL YEAR 2026-2027

Acquisition Solutions

Future COMSATCOM Services Acquisition (FCSA)

- FCSA provides the DoD procurement of satellite communication capabilities from an approved list of contractors. FCSA covers 3 service areas:

- COMSATCOM Transponded Capacity (CTC)
  - Includes requirements for satellite bandwidth and power, including limited engineering services

- COMSATCOM Subscription Services (CSS)
  - For use with fixed satellite services (FSS) or mobile satellite services (MSS). CSS uses contractor-determined waveforms that are billed on a per-use basis.

- Complex Commercial SATCOM Solutions (CS3)
  - Allows the DoD to build large, complex, and custom satellite solutions. These solutions may include satellite transport (bandwidth), FSS or MSS, and service-enabling components.

COMSATCOM Satellite Business Solutions (SBS)

- SBS is an other-than FCSA solution for either FSS or MSS.

- Prospective acquisitions that are not anticipated to use FCSA solutions may utilize existing Blanket Purchase Agreements (BPA), IDIQs, or will be procured using full and open competition in accordance with any combination of Federal Acquisition Regulations (FAR) procedures.

Working to Ensure Continued Value to the Mission Partner

CSS0131 USCG Aviation Services BPA

ANTICIPATED REQUIREMENT #	001
BLANKET PURCHASING AGREEMENT (BPA) TITLE	CSS0131 UNITED STATES COAST GUARD (USCG) AVIATION SERVICES BPA
FOLLOW-ON (FO) TO EXISTING CONTRACT / INCUMBENT	CSS0092 / Inmarsat Government
CONTRACTING OFFICE	SSC/CMK
ANTICIPATED REQUEST FOR INFORMATION (RFI) RELEASE DATE	N/A
ANTICIPATED REQUEST FOR QUOTE (RFQ) RELEASE DATE	January 2026
ANTICIPATED AWARD DATE	March 2026
ANTICIPATED EFFECTIVE DATE	March 2026
ESTIMATED LIFECYCLE VALUE	$20M - $30M
TERM OF CONTRACT	1-year base with four (4) 1-year options
SUMMARY	Follow-on contract for USCG L-band services BPA.

CTC0386 U.S. CBP COMSATCOM Support

ANTICIPATED REQUIREMENT #	002
CONTRACT TITLE	CTC0386 U.S. CUSTOMS AND BORDER PROTECTION (CBP) COMSATCOM SUPPORT
FO TO EXISTING CONTRACT / INCUMBENT	CTC0337 / RiteNet Corp.
CONTRACTING OFFICE	SSC/CMK
ANTICIPATED RFI RELEASE DATE	N/A
ANTICIPATED RFQ RELEASE DATE	January 2026
ANTICIPATED AWARD DATE	March 2026
ANTICIPATED EFFECTIVE DATE	April 2026
ESTIMATED LIFECYCLE VALUE	$35M - $45M
TERM OF CONTRACT	1-year base with four (4) 1-year options
SUMMARY	Ku-band satellite transponded capacity to support CBP Air and Marine Operations (AMO) missions in CONUS and OCONUS.

CTC0385 ACC/U.S. NORTCHOM Bandwidth

ANTICIPATED REQUIREMENT #	003
CONTRACT TITLE	CTC0385 AIR COMBAT COMMAND (ACC)/U.S. NORTHERN COMMAND (NORTHCOM) BANDWIDTH
FO TO EXISTING CONTRACT / INCUMBENT	CTC0342 / Simba Enterprise
CONTRACTING OFFICE	SSC/CMK
ANTICIPATED RFI RELEASE DATE	N/A
ANTICIPATED RFQ RELEASE DATE	January 2026
ANTICIPATED AWARD DATE	May 2026
ANTICIPATED EFFECTIVE DATE	May 2026
ESTIMATED LIFECYCLE VALUE	$10M - $15M
TERM OF CONTRACT	1-year base with four (4) 1-year options
SUMMARY	Ku-band satellite bandwidth for use during Global Hawk (GH) Unmanned Aerial Vehicle (UAV) operations and training. The bandwidth will primarily cover the U.S. NORTHCOM AOR.

CTC0387 CDSS for ACC Counterdrug Program Office

ANTICIPATED REQUIREMENT #	004
CONTRACT TITLE	CTC0387 COUNTERDRUG SURVEILLANCE SYSTEMS (CDSS) FOR AIR COMBAT COMMAND (ACC) COUNTERDRUG PROGRAM OFFICE
FO TO EXISTING CONTRACT / INCUMBENT	CTC0347 / Simba Enterprise
CONTRACTING OFFICE	SSC/CMK
ANTICIPATED RFI RELEASE DATE	N/A
ANTICIPATED RFQ RELEASE DATE	February 2026
ANTICIPATED AWARD DATE	April 2026
ANTICIPATED EFFECTIVE DATE	April 2026
ESTIMATED LIFECYCLE VALUE	$25M - $35M
TERM OF CONTRACT	1-year base with four (4) 1-year options
SUMMARY	C-band space segment to support ACC MASS operations over landmasses of South America; Central America; Gulf of America; Caribbean Basis and CONUS.

SBS0045 MGEO Satellite-based Services Requirement

ANTICIPATED REQUIREMENT #	005
CONTRACT TITLE	SBS0045 MANEUVERABLE GEOSYNCHRONOUS ORBIT (MGEO) SATELLITE-BASED SERVICES REQUIREMENT
FO TO EXISTING CONTRACT / INCUMBENT	N/A
CONTRACTING OFFICE	SSC/CMK
ANTICIPATED RFI RELEASE DATE	N/A
ANTICIPATED REQUEST FOR PROPOSAL (RFP) RELEASE DATE	February 2026
ANTICIPATED AWARD DATE	June 2026
ANTICIPATED EFFECTIVE DATE	June 2026
ESTIMATED LIFECYCLE VALUE	$895M - $905M
TERM OF CONTRACT	5-year base with five (5) 1-year options
SUMMARY	MGEO satellite services facilitated by both on-orbit supportable spacecraft, as well as the building, launching control and operation of purpose-built MGEO satellites. Effort also includes the equipment and capabilities for all domains and use cases, to include both user-to-user capabilities and reach-back capabilities such as terrestrial back haul for end-to-end connectivity from provider to government-controlled gateways.

CS30025 Global USG Enterprise Communications Services and Facilities Architecture Eastlake Communications

ANTICIPATED REQUIREMENT #	006
CONTRACT TITLE	CS30025 GLOBAL UNITED STATES GOVERNMENT (USG) ENTERPRISE COMMUNICATIONS SERVICES AND FACILITIES ARCHITECTURE EASTLAKE COMMUNICATIONS
FO TO EXISTING CONTRACT / INCUMBENT	CS30011 / RiteNet Corp.
CONTRACTING OFFICE	SSC/CMK
ANTICIPATED RFI RELEASE DATE	N/A
ANTICIPATED RFP RELEASE DATE	February 2026
ANTICIPATED AWARD DATE	June 2026
ANTICIPATED EFFECTIVE DATE	August 2026
ESTIMATED LIFECYCLE VALUE	$5M - $10M
TERM OF CONTRACT	3-year base with one (1) 4-year option
SUMMARY	Communications services anywhere in the world, at any time, in a secure 100 percent availability, zero-fail environment.

CTC0392 USAFCENT COMSATCOM Support for ISR Platforms

ANTICIPATED REQUIREMENT #	007
CONTRACT TITLE	CTC0392 U.S. AIR FORCES CENTRAL (USAFCENT) COMSATCOM SUPPOR FOR INTELLIGENCE, SURVEILLANCE, AND RECONNAISSANCE (ISR) PLATFORMS
FO TO EXISTING CONTRACT / INCUMBENT	CTC0352 / Artel
CONTRACTING OFFICE	SSC/CMK
ANTICIPATED RFI RELEASE DATE	February 2026
ANTICIPATED RFQ RELEASE DATE	April 2026
ANTICIPATED AWARD DATE	August 2026
ANTICIPATED EFFECTIVE DATE	August 2026
ESTIMATED LIFECYCLE VALUE	$195M - $205M
TERM OF CONTRACT	1-year base with four (4) 1-year options
SUMMARY	466 MHz Ku-band capacity on at least two, but no more than four satellites. Quoted capacity shall be provided in four pools as follows: 250 MHz, 72 MHz, 72 MHz, and 72 MHz.

SUMMARY

Summary

- FY26 brings exciting new acquisition opportunities, including:
  - SBS0045 MGEO IDIQ - $905M (Feb 2026)

    ** Estimated Lifecycle Value*
- We encourage Industry to respond to RFIs – bring us your innovative concepts!
- Engage through the Space Force Front Door to connect and collaborate on emerging technologies

CSCO remains dedicated to partnering with Industry to bring leading-edge COMSATCOM services and capabilities to Mission Partners

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THANK YOU!

Space Industry Day
21-23 January 2026

QUANTECH services, inc
{The Sum of Quality}

intlx SOLUTIONS

Proven Professionals

Proven Results

Bob Paradiso
Vice President, Business Development

intlx SOLUTIONS

QUANTECH services, inc
{The Sum of Quality}

COMPANY OVERVIEW

Corporate Headquarters:
1 Hartwell Place, 2nd Floor
Lexington, MA 02421

Size: Quantech & intlx
~300 employees across 14 states

Service Offerings:
- Systems Engineering
- Business Analytics
- Cybersecurity
- Program/Acquisition/Logistics Management

Contracting IDIQs, MAS, BOAs Vehicles/Schedules:
- GSA MAS, GSA OASIS Plus SB/UNR Mission Domains
- SSC Hemisphere IDIQ, NRO EAS
- Army RS3, SeaPort NexGen

Certifications:
- ISO 9001 Certified Quality Management System
- ISO 14001 Certified Environmental
- CMMC Level 1 Self Assessment

Additional Information:
- Top Secret Facility Clearance
- SCIFs, Chantilly, VA, Planned El Segundo, CA
- DCAA Approved Accounting System

New Leases in Chantilly and LA with SCIFs/SAPF

intlx SOLUTIONS

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