

**BY ORDER OF THE COMMANDER
SPACE OPERATIONS COMMAND**

**SPACE OPERATIONS COMMAND
MISSION DIRECTIVE 181**

21 FEBRUARY 2024

Mission Directive

SPACE ANALYSIS SQUADRON (SAS)



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This mission directive implements guidance in AFI 38-101, *Manpower and Organization*. Its purpose is to define the mission, organization, and responsibilities of Space Analysis Squadrons (SAS). This MD applies to Space Delta 18 and subordinate units and personnel. This MD does not apply to Air National Guard, Air Force Reserve, or United States Air Force units and members. Refer recommended changes and questions about this publication to the OPR using DAF Form 847, *Recommendation for Change of Publication*; route DAF Forms 847 from the field through the appropriate functional chain of command. Submit requests for waivers through the chain of command to the Publication OPR for non-tiered compliance items. Ensure that all records created as a result of processes prescribed in this publication are maintained IAW AFI 33-322, *Records Management and Information Governance Program*, and disposed of IAW the Air Force Records Information Management System Records Disposition Schedule. This publication may not be supplemented or further implemented/extended.

1. Mission. The Space Delta 18 SAS delivers exquisite intelligence and unmatched technical expertise to empower national leaders, joint force warfighters, and acquisition professionals to dominate in and through space. The SAS provides Intelligence, Surveillance, and Reconnaissance (ISR) in support of national and military space missions, evaluating capabilities, performance, limitations, and vulnerabilities of space and counter-space systems and services, and execute USSF cryptologic and other Intelligence Community (IC)-delegated authorities and missions IAW service missions as directed. Space intelligence support includes: enhancing space domain awareness, supporting full-spectrum superiority, and achieving the supported commander's intelligence and battlespace awareness requirements using multi-domain intelligence capabilities; providing intelligence planning and direction, collection, processing and exploitation, analysis and production, and dissemination and integration (PCPAD); informing capability research, development, test and evaluation for global and theater operations; and providing analytic support to special programs.

1.1. 1 SAS Organized/Designed Mission. 1 SAS creates actionable foundational intelligence on foreign space capabilities, enabling military operations, force modernization, and policy making.

1.1.1. 1 SAS System and Equipment. 1 SAS operates, maintains, and manages multiple analytic and production tools at various classification levels to fulfill requirements for service, joint, and national consumers. 1 SAS supports various analysis hardware and software. This unit also utilizes NSAnet, JWICS, ISS, SGN, SIPRNet, and NIPRNet.

1.1.2. 1 SAS Applicable Threat Environments. 1 SAS has been organized/designed to operate in fixed or continuity of operations environments in all phases of peace and conflict. 1 SAS has been organized/designed to operate up to and including Threat Level 5.

1.1.3. 1 SAS Future Requirements. Known future systems include modernized analytical tools, databases, and digital environments capable of automating analytical functions and advanced machine learning. Advanced threat modeling and simulation supporting the spectrum of customers will be required as the proliferated threats to space superiority continue to grow.

1.1.4. 1 SAS Air Reserve Component Total Force Integration (TFI) Relationship. 1 SAS currently has no formal Reserve Component TFI relationships.

1.2. 2 SAS Organized/Designed Mission. 2 SAS creates and disseminates predictive, integrated, responsive, forensic all-source intelligence of counterspace systems, strategy, doctrine, employment, and operations. Analyze technical characteristics, performance, signatures, capabilities, limitations, effectiveness, vulnerabilities, and employment of current and projected counterspace systems, networks, command, and control, launch facilities and programs. Conduct counterspace kill-chain analysis. Enable policymaking, military operations and force modernization.

1.2.1. 2 SAS System and Equipment. 2 SAS operates, maintains, and manages multiple analytic and production tools at various classification levels to fulfill requirements for service, joint, and national consumers. 2 SAS supports several types of analysis hardware and software. This unit also utilizes NSAnet, JWICS, ISS, SGN, SIPRNet, and NIPRNet.

1.2.2. **2 SAS Applicable Threat Environments.** 2 SAS has been organized/designed to operate in fixed or continuity of operations environments in all phases of peace and conflict. 2 SAS has been organized/designed to operate up to and including Threat Level 5.

1.2.3. **2 SAS Future Requirements.** Known future systems include modernized analytical tools, databases, and digital environments capable of automating analytical functions and advanced machine learning. Advanced threat modeling and simulation supporting the spectrum of customers will be required as the proliferated threats to space superiority continue to grow.

1.2.4. **2 SAS Air Reserve Component Total Force Integration (TFI) Relationship.** 2 SAS currently has no formal Reserve Component TFI relationships.

2. Command. The Commander, Space Delta 18, reports directly to the Commander, Space Operations Command. Space Delta 18 executes administrative control (ADCON), using Command, Operating Command, and provides command direction, and planning guidance to subordinate units. Squadron commanders in turn are authorized to communicate, coordinate, and work with other units or agencies on matters relating to mission accomplishment or regarding administrative or logistical support under applicable agreements and memoranda of understanding (MOU).

3. Responsibilities. The Squadron Commander:

3.1. Generate the Squadron.

3.1.1. The Squadron Commander is responsible to the Commander, Space Delta 18, for administration, training, readiness, and equipping for operational execution of assigned personnel.

3.1.2. Establish and enforce standards for assigned/attached personnel, to include Uniform Code of Military Justice (UCMJ) actions, when merited.

3.1.3. Lead the squadron to master assigned USSF mission areas and equipment.

3.1.4. Pursue continuous ISR and weapon system improvement through applicable SpOC processes, in collaboration with HQ Space Delta 18, HQ SpOC staff and other applicable stakeholders.

3.1.5. Pursue continuous improvements of tactics, techniques, and procedures.

3.1.6. Provide mission-area expertise to USSF requirements development.

3.1.7. Comply with requirements identified in all Department of the Air Force Instructions (DAFIs), Space Force Instructions (SPFIs) and Space Operations Command Instructions (SpOCIs) which includes AFI 1-2, *Commander's Responsibilities*.

3.2. Maintains direct liaison authority with other supported Space Delta commanders and applicable organizations to execute operations.

3.2.1. Ensure trained/certified mission ready personnel to accomplish assigned mission.

3.2.2. Manage assigned officer/enlisted/civilian human capital.

- 3.2.3. Evaluate on-site contractor performance in accordance with the statement of work, performance work statement and guidance from the contracting officer.
- 3.2.4. Manage security program to ensure compliance with Department of Defense regulations that support sensitive compartmented information (SCI)/special access program (SAP).
- 3.2.5. Manage and comply with host-tenant agreements and memorandums of understanding and agreements (MOUs/MOAs).
- 3.2.6. Manage financial plan, budget, and resources to execute assigned mission.
- 3.3. Present the Squadron.
 - 3.3.1. Support Combatant Command plan development.
 - 3.3.2. Support or lead Operations Planning Teams concerning the optimization of the assigned mission area.
 - 3.3.3. Support higher headquarters (HHQ) requirements to provide space experts to supported commands.
 - 3.3.4. Deliver timely and accurate readiness reporting.
 - 3.3.5. Manage officer, enlisted, and civilian human capital.
 - 3.3.6. Operationally-integrate intelligence professionals and provide threat-informed defensive cyber vulnerability assessments to protect and defend all space weapons systems and mission systems in a support role.
- 3.4. Sustain the Squadron.
 - 3.4.1. Ultimately responsible for accomplishing assigned mission.
 - 3.4.2. Provide timely, relevant, and unbiased military advice to HHQ regarding the most effective employment and integration of capabilities to achieve military goals.
 - 3.4.3. In coordination with HQ Space Delta 18 and HQ SpOC, manage mission equipment sustainment, including Level 1 Maintenance and declaring Emergency Depot Level Maintenance/Urgent Depot Level Maintenance as required.
 - 3.4.4. Execute USSF cryptologic and other IC-delegated authorities and missions IAW service missions.

STEPHEN N. WHITING, Lieutenant General, USSF
Commander

Attachment 1**GLOSSARY OF REFERENCES AND SUPPORTING INFORMATION*****References***

AFI 1-2, *Commander's Responsibilities*, 8 May 2014

AFI 33-322, *Records Management and Information Governance Program*, 23 March 2020

AFI 38-101, *Manpower and Organization*, 29 August 2019

Prescribed Forms

None

Adopted Forms

DAF Form 847, *Recommendation for Change of Publication*

Abbreviations and Acronyms

ADCON—Administrative Control

HHQ—Higher Headquarter

IC—Intelligence Community

ISR—Intelligence, Surveillance, and Reconnaissance

ISS—Information Systems Security

JWICS—Joint Worldwide Intelligence Communications System

MOA—Memorandum of Agreement

MOU—Memorandum of Understanding

NIPR—Non-Classified Internet Protocol Router

NSAnet—National Security Agency Network

PCPAD—Planning and Direction, Collection, Processing and Exploitation, Analysis and Production, and Dissemination

SAP—Special Access Program

SAS—Space Analysis Squadron

SCI—Sensitive Compartmented Information

SGN—Secure Global Network

SIPR—Secure Internet Protocol Router

SpOC—Space Operations Command

TFI—Total Force Integration

UCMJ—Uniform Code of Military Justice