

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

**SPACE OPERATIONS COMMAND
MISSION DIRECTIVE 700**

15 MAY 2023

Mission Directive

SPACE CYBERSPACE SQUADRON



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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 the United States Space Force (USSF) HQ Space Delta 6. This MD applies to HQ Space Delta 6 and subordinate USSF units and personnel. This MD does not apply to Air National Guard, Air Force Reserve Command, or United States Air Force units and personnel. 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 appropriate Tier waiver approval authority, or alternately, to the Publication OPR for non-tiered compliance items. Ensure all records generated from processes prescribed in this publication adhere to AFI 33-322, *Records Management and Information Governance Program*, and are disposed of in accordance with the Air Force Records Disposition Schedule, located in the Air Force Records Information Management System. This publication may not be supplemented or further implemented/extended.

1. Mission. Cyberspace Squadrons (CYS) conduct defensive cyberspace operations for space (DCO-S) to secure and defend supported Space Delta/s (DEL) mission system/s (MS) relevant cyber terrain to assure freedom of maneuver in and access to cyberspace for all friendly forces operating within their assigned battlespace.

1.1. CYSS are organized under Space DEL 6 for cyber-enabled space operations. CYSS forces are presented to Commander, United States Space Command (CDRUSSPACECOM) and/or other Combatant Commands (CCMDs) IAW the USSF Space Forces Generation (SPAFORGEN) model. There are currently six active CYSSs.

1.1.1. CYSSs are organized under DEPID-9 UTC of 1CSDA - SPACE DEFENSE CYBERSPACE.

1.1.2. **62 CYSS organized/designed mission:** 62 CYSS aligns to Space DEL 2 and Space DEL 3 and conducts DCO-S to secure and defend both DEL's assigned mission systems (MS)(s).

1.1.3. **64 CYSS organized/designed mission:** 64 CYSS aligns to Space DEL 4 and conducts DCO-S to secure and defend Space DEL 4's assigned MS(s).

1.1.4. **65 CYSS organized/designed mission:** 65 CYSS aligns to Space DEL 5 and conducts DCO-S to secure and defend Space DEL5's assigned MS(s).

1.1.5. **68 CYSS organized/designed mission:** 68 CYSS aligns to Space DEL 8 and conducts DCO-S to secure and defend Space DEL 8's assigned MS(s).

1.1.6. **69 CYSS organized/designed mission:** 69 CYSS aligns to Space DEL 9 and conducts DCO-S to secure and defend Space DEL 9's assigned MS(s).

1.1.7. **645 CYSS organized/designed mission:** 645 CYSS aligns to Space Launch Delta (SLD) 45 and conducts DCO-S to secure and defend SLD 45's assigned MS(s); 645 CYSS may also align to SLD 30 in the future.

1.2. **CYSS technology and equipment.** The CYSS will operate and manage DCO-S/tools within its assigned MS(s), utilizing available, Space Systems Command (SSC)-provided capabilities, when available, for identifying and detecting anomalous events and incidents within the cyberspace terrain of space systems. CYSSs will employ additional software-enabled tools aligned to mission need.

1.3. **CYSS Future Requirements.** CYSSs will require rapid and agile capability development in the DCO-S suite to perform actions to identify, detect, protect against, and respond to adversarial actions in cyberspace.

2. Command.

2.1. CYSSs are organized under Space DEL 6 Commander (CC). The CYSS/CC is 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 memorandums of understanding.

2.2. Space DEL 6/CC retains Operational Control (OPCON) of CYSS forces aligned to a supported Space DEL CC, but may delegate CYSS OPCON to the supported Space DEL CC. The supported Space DEL CC has Tactical Control (TACON) of aligned CYSS forces when said forces are providing DCO-S mission support.

2.3. The supported Space DEL CC maintains overall responsibility for his/her space MS(s) cyber posture and can initiate and route any cyber-related tasks to the respective mission risk owner for acceptance. The supported Space DEL CC will inform Space DEL 6 CC of cyber-focused issues when further coordination with additional Space DEL CCs is required.

3. Responsibilities.

3.1. Comply with requirements identified in all DAF Instructions (DAFIs), Space Force Instructions (SPFIs) and Space Operations Command Instructions (SPOCIs), applicable Air Force Instructions (AFIs) and applicable Air Force Space Command Instructions (AFSPCIs), to include AFI 1-2, *Commander's Responsibilities*, AFSPCI 10-1204, *Satellite Operations* and AFSPCI 10-605, *Operational Acceptance Process*.

3.2. Mission accomplishment.

3.3. Present Space Force forces (integrated crews) in support of SPAFORGEN.

3.4. Provide continuous monitoring and response capabilities for persistent defense of their assigned space enterprise MS(s) enabling mission assurance.

3.5. Know assigned MS(s). Dynamically access, aggregate, collate, and display situational awareness and mission impact information for all components of the MS and how they support national and joint missions in other warfighting domains.

3.6. Identify assigned space enterprise cyberspace terrain. Know and understand the risk to space operations, space enterprise systems, people, assets, data, and capabilities.

3.7. Identify and detect vulnerabilities and attack vectors across Mission Relevant Terrain-Cyber (MRT-C) to include identifying and assessing the embedded components within the space enterprise. Fully understand vulnerabilities, potential impacts to operations and identify mitigating actions and/or configurations.

3.8. Establish the normal cyberspace activity baseline for assigned space missions.

3.9. Protect assigned space operations and MRT-C.

3.10. Detect events within the assigned space mission area and its' MS(s).

3.11. Respond to adversary activity within assigned space mission area(s) and MRT-C and assist with mitigation, recovery and/or restoration operations.

3.12. Integrate warning intelligence into DCO mission planning, TTPs, signatures, and briefings to DCO-S crews.

3.13. Report/Disseminate. Provide vertical and horizontal reports, communication, direction, and status to HHQ, subordinate units, and supporting organizations to ensure direction is acknowledged and accomplished, feedback is provided, and re-direction is possible.

3.14. Collaborate with supported space mission area's assigned Program Management Office.

3.15. Identify, document, and disseminate results of anomalous and malicious cyberspace activity and/or actors within assigned space MS(s) to appropriate stakeholders.

3.16. Perform data collection, processing, and reporting of operations.

3.17. Conduct real-time cyberspace analysis. Perform event and threat analytics within assigned space enterprise MS(s).

3.18. Coordinate with the USSF CSSP and other mission partners as appropriate on incident response efforts.

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

AFSPCI 10-605, *Operational Acceptance Process*, 20 June 2016

AFSPCI 10-1204, *Satellite Operations*, 15 May 2014

Prescribed Forms

None

Adopted Forms

DAF Form 847, *Recommendation for Change of Publication*

Abbreviations and Acronyms

CCMD—Combatant Command

CSSP—Cyber Security Service Provider

CYS—Cyber Squadron

DCG-O—Deputy Commanding General for Operations

DCO-S—Defensive Cyber Operations for Space

DEL—Delta

HHQ—Higher Headquarters

MRT-C—Mission Relevant Terrain-Cyber

MS—Mission System

OPCON—Operational Control

SLD—Space Launch Delta

SPAFORGEN—Space Forces Generation

SpOC—Space Operations Command

SSC—Space Systems Command

TACON—Tactical Control

TTP—Tactics, Techniques & Procedures

USSF—United States Space Force

UTC—Unit Type Code