

# Combined Space Operations Center / Space Delta 5 Fact Sheet

## MISSION

Execute operational command and control of space forces to achieve theater and global objectives.

## VISION

Department of Defense's premier space operations center, ensuring effects for the nation, joint forces, and allies...right effect, right place, right time.



The Combined Space Operations Center (CSpOC), based at Vandenberg Space Force Base, Calif., reports to the Combined Force Space Component Command (CFSCC) and executes the operational command and control of space forces to achieve theater and global objectives. It operates 24 hours a day, seven days a week; continuously coordinating, planning, integrating, synchronizing and executing space operations; providing tailored space effects on demand to support combatant commanders; and accomplishing national security objectives. The CSpOC is CFSCC's lead integrating space operations center and along with Joint Overhead Persistent Infrared (OPIR) Planning Center (JOPC), Missile Warning Center (MWC), and Joint Navigation Warfare Center (JNWC), provides a synergistic and multi-layered network of defense operations centers supporting U.S. Space Command (USSPACECOM) and CFSCC operations. The CSpOC also works closely with the National Space Defense Center (NSDC), National Reconnaissance Office Operations Center (NOC) and the national space operations centers or headquarters of Australia, Canada, France, Germany, New Zealand and the United Kingdom. Under the direction of CFSCC, the CSpOC uses this multi-layered network to coordinate, command and control space effects for geographic theater commanders and allied partners across the globe -- ensuring the right effect or capability is available to theater components at the right place and right time to achieve the theater mission. Additionally, the CSpOC hosts a [Commercial Integration Cell \(CIC\)](#) representative to enhance cooperation with several commercial partners.

Space Delta 5 (DEL 5) is the U.S. Space Force command and control organization within Space Operations Command that is presented to USSPACECOM and CFSCC to accomplish the Combined Space Operations Center mission. DEL 5's mission is: Prepare, present, and fight assigned and attached forces for the purpose of conducting operational-level command and control (C2) of space forces to achieve theater and global objectives. Additionally, DEL 5 manages assigned weapon system architectures and ensure operations are intelligence-led, cyber-resilient, and driven by innovation, while postured to succeed in a contested, degraded, and operationally-limited environment. USSPACECOM augments DEL 5 with U.S. Air Force, Army, Navy, and Marine space personnel and along with exchange officers from Australia, Canada, and the United Kingdom they form the CSpOC.

The CSpOC and DEL 5 are composed of 4 divisions and 3 squadrons: Combat Operations Division (COD), Strategy & Plans Division (SPD), Intelligence, Surveillance and Reconnaissance Division (ISRD), SATCOM Integrated Operations Division (SIOD), 55th Combat Training Squadron (CTS), 65th Cyber Squadron (CYS), and 9th Combat Operations Squadron (COS).

- **COD** ensures combat-relevant synchronization of forces to achieve desired effects. Accordingly, COD is responsible for four critical tasks: real-time monitoring of the space domain (including

status of space forces, threats to space operations, and changes to the space operating environment), assessing the impact of changes in the space situation or space capabilities, developing credible courses of action for the re-planning and/or redirection of space force employment as appropriate, space control C2 fires coordination, and ensuring the execution of the current space force tasking is consistent with the CFSCC commander's intent and national caveats.

- **SPD** is responsible for crisis action planning, deliberate planning, orders management and space C2 tasking coordination. SPD activities are primarily reflected in the Space Operations Directive (SOD), Master Space Plan (MSP), Combined Space Tasking Order (CSTO), Mission Plans (as needed), Operations Assessments (OA), and related documents.
- **ISRD** provides the CSpOC with timely, predictive, and actionable intelligence to support all aspects of the space tasking cycle. The ISRD is responsible for coordinating intelligence support throughout the Planning, Collection, Processing & Exploitation, Analysis & Production, and Dissemination (PCPAD) Cycle. Additionally, ISRD is the single point of contact to orient coalition space units, threat analysis, and theater updates. ISRD identifies threats to the use of space and predictive intelligence through indications and warnings.
- **SIOD** is responsible for synchronizing, integrating, and coordinating information and activities across the satellite communication (SATCOM) enterprise in order to optimize collective SATCOM services to terminal users and associated warfighters worldwide.
- **55th CTS** provides initial and advanced operations training, evaluations, and exercise coordination support for CSpOC operations. Certification processes, training program development (for initial, mission, supplemental, recurring, and advanced training) and procedural review and development fall under the purview of CTS in support of CSpOC combat mission ready requirements.
- **65th CYS** engineers, integrates, operates, sustains, protects, and defends the information technology services and equipment that support the CSpOC mission, including nearly 50 space unique systems and applications. The CYS oversees development and execution of the Mission Defense Teams responsible for protecting the CSpOC's vital mission systems and the Western Launch Telemetry and Range System.
- **9th COS** is the Reserve Associate Unit (RAU) to Space Delta 5 and is assigned to augment intelligence, planning and operations at the CSpOC. 9 COS provides operations continuity, corporate knowledge and surge capability as a force provider. Additionally, 9 COS is aligned to compliment Space Delta 5 in structure and augments in support of day-to-day, surge and contingency operations, as well as system/training upgrade events.

The CSpOC is co-located with the [18th Space Defense Squadron](#), a tactical unit within the Space Delta 2, which provides and advances a timely, comprehensive and accurate understanding of the space situation.

*Current as of April 2022*