



## COMMAND & CONTROL RESOURCES & REQUIREMENTS

Last Updated: 25 January 2021

The [combined force space component commander](#) (CFSCC) uses the following [command and control](#) (C2) resources to conduct and support counterspace operations:

### Joint Space Operations Center

The [Combined Space Operations Center](#) (CSPOC) ensures optimization and availability of critical space services to support global users and serves as the lead integrator across all CFSCC operations centers. The CSPOC:

- ★ Conducts operational-level C2 for assigned missions on behalf of the CFSCC.
- ★ Plans, directs, controls, integrates, and assesses space operations.
- ★ Exercises global [space coordinating authority](#) (SCA) on behalf of the CFSCC, when delegated by Commander, United States Space Command (CDRUSSPACECOM).
- ★ Facilitates coordination and support to theater SCAs.
- ★ Conducts day-to-day operations, as directed by the CFSCC.

The Air Force's 614th [Air Operations Center](#) (AOC) forms the core of the CSPOC. It includes personnel, facilities, and equipment necessary to plan, execute, and assess space operations and integrate space capabilities. The 614 AOC/CSPOC tracks assigned and attached space forces and assets, and provides [reachback](#) support to organic theater space personnel. The 614 AOC/CSPOC translates CDRUSSPACECOM guidance into the [combined space tasking order](#) (CSTO), on behalf of the CFSCC. CSTOs task and direct space forces to fulfill theater and global mission requirements. The CSTO cycle is flexible and integrates with the theater's battle rhythm.

### National Space Defense Center

On behalf of the CFSCC and the Director of the National Reconnaissance Office (NRO), the [National Space Defense Center](#) integrates Department of Defense, NRO, and intelligence community personnel and authorities to provide unity of effort and enable unified space defense.

## **Joint Navigation Warfare Center**

On behalf of the CFSCC and in support of combatant commanders (CCDRs), the [Joint Navigation Warfare Center](#) plans, tasks, integrates worldwide [navigation warfare](#) for use as part of counterspace operations. Support is provided through reachback and deployable subject matter experts in support of CCDRs.

## **Missile Warning Center**

The [Missile Warning Center](#) (MWC) coordinates, plans and executes worldwide missile, nuclear detonation, and space re-entry event detection to provide timely, accurate and unambiguous strategic warning in support of the US and Canada. CDRUSSPACECOM, through the MWC and a network of satellite and ground sensors, provides timely, accurate and continuous detection and warning of impending ballistic missile threats at the strategic and theater levels, and provides warning and attack assessment on space assets. The MWC also performs a backup role as sensor manager to the CSPOC.

## **Joint Overhead Persistent-Infrared Planning Center**

The [Joint Overhead Persistent-Infrared \(OPIR\) Planning Center](#) is a joint endeavor between USSPACECOM and the National Geospatial-Intelligence Agency. This planning cell develops integrated OPIR collection and exploitation strategies and plans for OPIR Enterprise sensors. For counterspace operations, this provides essential battlespace awareness, feeding [space situational awareness](#) (SSA). In addition, the cell provides support to [missile warning](#), missile defense, technical intelligence, and civil / environmental mission areas.

## **Other Space Forces**

In addition, the Commander, Air Force Space Command is responsible for presenting Air Force space forces to an [air expeditionary task force](#) (AETF) when they are tasked as part of a joint force or deployed to theater to conduct operations. Within the AETF, space forces may be attached to an air expeditionary wing, group, or squadron. Attached space forces are commanded by the theater [commander, Air Force forces](#) who commands the AETF through an A-staff and controls forces through an AOC.

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