



FACT SHEET

505th Command and Control Wing

505th TEST SQUADRON

The 505th Test & Training Squadron (505 TS) at Nellis Air Force Base, NV, operates & maintains the Combined Air & Space Operations Center-Nellis (CAOC-N) complex, and reports to the 505th Test & Evaluation Group as a critical component of the 505th Command & Control Wing. The 505 CCW is a subordinate unit of the U.S. Air Force Warfare Center, Nellis Air Force Base, NV.

Purpose

The 505 TS provides a persistent infrastructure to address integration seams for joint operations across the air, space and cyber domains and to produce fully trained joint & multinational command & control (C2) warfighters at the tactical and operational levels of war. The 505th accomplishes its mission by conducting test, training, evaluation, and tactics development to advance cross domain integration into the C2 construct. Additionally, the 505th trains personnel and organizations on C2 processes & systems during joint, coalition & service focused exercises, operational rehearsals, tests & experiments using live, virtual and constructive air, space & cyber forces.

The 505 TS accomplishes the CAOC-N mission by training individuals and organizations on command and control processes and systems during joint, coalition and service-focused exercises, tests, operational rehearsals, and experiments using live, virtual and constructive air, space, cyber and ISR forces.

Mission

The mission of the 505 TS is to integrate Air, Space, and Cyber capabilities throughout Command & Control Systems by conducting operational test and evaluation, developing advanced TTP and providing support to data exchange and C2 architectures to enhance warfighter capabilities. Additionally, the TS operates and maintains CAOC-N to conduct advanced AOC training and produce joint and multi-national C2 Warfighters.

Specified Tasks

- Combined Air and Space Operations Center Advanced Training: Train individuals and organizations on AOC processes and systems during joint, coalition and service-focused exercises, operational rehearsals, and experiments using live, virtual and constructive air, space, cyber and ISR forces.
- C2 Testing: Plan and execute C2 operational tests to enhance warfighter capabilities.
- TTP Development: Develop TTPs to enhance warfighter capabilities for both existing systems and processes along with systems and processes being developed and tested to improve kinetic and non-kinetic capabilities.
- Modeling & Simulation: Provide virtual and constructive air, space and cyber forces for USAF Warfare Center tests, events, exercises and training in partnership with the Air Force Agency for Modeling & Simulation.
- Develop, test and validate data exchange architectures and TTPs; apply tactical integration solutions to enhance AF Combat Identification (CID); develop joint testing and training capabilities in support of AF data link operations; transition solutions and recommendations for joint CID and joint data network acquisitions, plans and operations to Services and Combatant Commands.

(Current as of Apr 2013)

