

# Coalition Interoperability Assurance and Validation (CIAV)

## Overview

DOD's only coalition interoperability assurance and validation (CIAV) capability for coalition/multinational mission-based interoperability (MBI). The CIAV team validates the complete and timely exchange of critical coalition mission thread (CMT) warfighting information.

CIAV's vision is to improve overall global interoperability through the implementation and execution of a coalition-focused MBI process enabling multiple nations to fight as one; ensuring a succinct exchange of critical warfighting information to multiple coalition partners and assuring and validating interoperability of authorized mission threads and capabilities through standardized operational requirements.

CIAV includes a U.S. and federated mission networking (FMN) contingent. U.S. CIAV includes elements from DISA/JITC, Joint Staff, Army, Navy, Air Force, and Marine Corps. The FMN CIAV working group currently includes 20 partner nations and this coalition of willing team members continues to grow.

## CIAV's Guiding Principles

- **Assurance & Validation (A&V):** CIAV is a capability that provides operational A&V of coalition MBI; CIAV does not replace traditional test and evaluation organizations, but adds an element of operational interoperability addressing people, processes and technologies for coalition operations.
- **Trust:** CIAV establishes and maintains collaborative trust relationships with U.S. combatant commands and global mission partner representatives, providing the cornerstone to U.S. CIAV's approach and proven performance.
- **Interoperability:** CIAV's execution of coalition MBI enables integration of all echelons and mission partners through command, control, communications, computers, combat systems, intelligence, surveillance, and reconnaissance (C5ISR) mission risk assessment of operational impacts with appropriate mitigation.
- **Tailorable:** CIAV adapts to a variety of missions and situations, to include the full spectrum of warfare.
- **Flexible:** CIAV remains flexible, responsive, and can reconfigure to match changing operational dynamics.
- **Unique:** CIAV addresses coalition gaps outside the scope of national/joint/system interoperability certification requirements and activities.

## On the Horizon

CIAV's vision and guiding principles align with the *Chairman's Strategic Direction to the Force*: "Our capabilities, tactics, techniques, procedures, and terminology must be able to translate across the services, the interagency, and with our mission partners".