

TESTBED CAPABILITIES

- Compliance verification of Platform Equipment
- Compliance verification of Surface Terminal
- Equipment Cross-vendor Compliance verification
- Portability - testing anywhere, anytime
- Bottom line.... Support the Warfighter

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COMMON DATA LINK (CDL)



Joint Interoperability Test Command

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***Increasing Combat Effectiveness
Through Interoperability***

Joint Interoperability Test Command

INTRODUCTION

The Common Data Link (CDL) program was designed to achieve data link interoperability to provide seamless communications between multiple Intelligence, Surveillance and Reconnaissance (ISR) collection systems operated by the armed services and government agencies. CDL provides near-real-time, full-duplex, jam-resistant, digital microwave communications links for command, control, and communications between the ISR sensor, sensor platform, and surface terminals.

TESTING

JITC is the Executive Agent for CDL Interoperability Testing and Certification. All legacy, migration, and future implementations of CDL must be tested and certified. Testing determines if the CDL item under test (software, hardware, or firmware) complies with the CDL specification and is interoperable in accordance with CJCSI 6212.01B. JITC determines the functionality and the interoperability of enhancements. Testing will occur throughout the system's lifecycle and may be performed in conjunction with other testing whenever possible to conserve resources.

TESTBED FACILITIES

The JITC CDL Standards Compliance Verification and Interoperability Certification Testbed is equipped with state-of-the art CDL test tools and experienced test personnel. CDL vendors are

charged a standard rate using a Standard Rate Schedule. This fee helps pay for the costs of the test, to include the maintenance and operation of the CDL Testbed. This program provides:

- ◆ Greater access to the test equipment by allowing developers and program managers access to the facility.
- ◆ Better cost effectiveness by allowing Service program managers and developers to share in the testing costs.
- ◆ Resources for JITC to execute its mission as the airborne reconnaissance community's independent CDL tester.
- ◆ Preparation and submission of compliance verification and interoperability certification letters to ASD C3I and ASC/RA, and if the data link meets the compliance criteria, placement on a registry of CDL-interoperable products accessible on the JITC web site.
- ◆ User confidence that the data link has demonstrated a specific level of compliance and interoperability with legacy CDL equipment, and meets the requirements outlined in the CDL specification and the Joint Technical Architecture (JTA).

OTHER FORT HUACHUCA FACILITIES

Fort Huachuca is home to many government test facilities because of the mild climate, minimal public restrictions on frequency spectrum, and extended Line-of-Sight (LOS) range. The Department of Defense (DOD) Joint Unmanned Aerial Vehicle (UAV) Training Center has multiple UAV runways to operate Predator, tactical UAVs, and Global Hawk.

The Electronic Proving Ground (EPG) is an Army Command, Control, Communications, Computers, and Intelligence (C⁴I) Developmental Tester. EPG operates and maintains an Instrumented Test Range (ITR) that is greater than 75,000 acres of real property and 1,170 square miles of restricted airspace for aircraft systems testing. The ITR is equipped with precision tracking radar, surveillance radar, telemetry tracking, and air-to-ground radios. EPG is capable of conducting electromagnetic environmental, tempest/electromagnetic interference (EMI), avionics, and antenna testing. The United States Information Systems Engineering Command (ISEC), Technology Integration Center (TIC) performs design, engineering, integration, development, sustainment, installation, testing, and acceptance of information systems for the US Army.

Fort Huachuca is the home of the United States Army Intelligence Center (USAIC) and the United States Army Signal Command (USASC). The Training and Doctrine Command (TRADOC) System Managers for UAV (TSM-UAV), Joint Surveillance Target Attack Radar System (TSM-JSTARS), All Source Analysis System (TSM-ASAS), and Prophet (TSM-Prophet) are all located on post.