

## Joint Counter-Improvised Explosive Device Facility (JCIF)

**Mission.** Specialized facility dedicated entirely to the RDT&E of anti-Improvised Explosive Device (IED) Facility (JCIF) tactics and technologies. Employed exclusively to produce and deliver “actionable” information to decision makers detailing the performance and compatibility characteristics of counter remote-controlled electronic warfare (CREW) systems.

**Unique Features.** The JCIF has full capability to operate all civilian RF-based communications systems as they relate to IED threat initiators and monitor and collect high fidelity engineering data on the effectiveness / compatibility of CREW and tactical communications systems.

**Combat Support.** Terrorism has created its own specialized arsenal of handmade or improvised bombs. These devices, often crude in nature, are very inexpensive to build and very deadly to our warfighters. During Operation Iraqi Freedom, they became the primary source of U.S. casualties. In 2005, the Secretary of Defense (SECDEF) directed the establishment of the Joint Improvised Explosive Device Defeat Organization (JIEDDO), which then directed China Lake to begin developing the JCIF. The CIED Technical Project Office (TPO) provides daily updates and engineering analysis to fielded forces globally. Information turn-around is as short as 12 hours. The majority of testing is in direct support to Requests for Information (RFIs) that are generated in theater and prioritized by Combatant Commanders (COCOMs).



**RDT&E.** This quick-response effort initiated a fiber optics installation contract and infrastructure procurements that required more than 500 separate contracts involving more than \$52M, and an additional \$22M was allocated for jammers, threats, tactical vehicles, and money to support external agencies. This CIED effort was a combined joint service, interagency, multi-national program. There is no “silver bullet” to defeating IEDs; rather, JIEDDO has a three-part strategy: attack the network, defeat the device, and train the force. The CIED TPO efforts are in direct support of rapidly fielding IED countermeasure systems and address the RFIs that result from

changes in the threats they are designed to defeat. The RFIs assigned to the TPO come from deployed COCOMs and warfighters in harm’s way and are therefore high priority urgent / immediate requests.

**Location.** The CIED TPO is a task organized and scalable organization that responds to urgent and immediate requests from deployed forces operating IED countermeasure systems. As threats change, CREW systems adapt and can relocate as needed to meet the specific testing requirements.

**Facilities / Equipment / Instrumentation.** The JCIF operates and maintains a high fidelity, integrated variable control RF monitoring and analysis instrumentation suite at both the open-air facilities and its “JCIF on Wheels” mobile laboratory. The specific technologies and criteria used to evaluate CREW system performance and compatibility are state-of-the-art. Details are available upon request with proper clearances.

