

# **Fiscal Year (FY) 2013 Budget Estimates**



*Attack the Network – Defeat the Device – Train the Force*

**February 2012**

**JOINT IMPROVISED EXPLOSIVE DEVICE DEFEAT FUND**

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## **Program Assessment**

### **Joint Improvised Explosive Device Defeat Organization (JIEDDO)**

The improvised explosive device (IED) persists as the most serious threat to U.S. and Coalition forces. Recognizing the IED as an enduring battlefield condition, JIEDDO's mission is to lead all Department of Defense (DoD) actions and support Combatant Command efforts to eliminate the IED as the predominant strategic weapon against our Nation and its partners. This mission is executed across three concurrent and complementary lines of operation: attacking the networks that employ IEDs, devising ways to defeat the device, and training our forces to counter the threat. This FY 2013 Budget Estimate and Overseas Contingency Operations (OCO) Request is formulated to continue JIEDDO's counter-IED (C-IED) efforts to defeat the global, asymmetric threat posed by IEDs.

### **The Threat**

As the "Artillery of the 21<sup>st</sup> Century", the IED requires a dedicated, multi-faceted approach to mitigate and defeat the networks and devices used against American interests. When discussing future threats, it is important that both the networks that employ IEDs as well as the device itself are considered. The IED is the weapon of choice for the overlapping consortium of networks operating along the entire threat continuum — criminal, insurgent, and terrorist alike. Threat networks use IEDs because they are cheap, readily available, easy to construct, lethal, and effective. The IED is a weapon used strategically to cause casualties, create the perception of insecurity, and influence national will. This threat is complex and transnational in nature, representing layers of interdependent, inter-connected global threat networks, and support systems.

The mission to disrupt the transnational threat networks employing IEDs, and to defeat the IED itself, requires a comprehensive, seamless effort across all levels of our government. This threat must be met with a whole-of-government approach that integrates efforts and leverages the combined authorities and capabilities of all interagency partners. While we are never going to stop all IEDs, a holistic, decisive, whole-of-government approach will significantly impact the effect the IED has in future operations. The IED threat and the networks that employ them are here to stay. This persistent and compelling threat requires us to maintain constant vigilance and enduring counter-IED capabilities.

IEDs will continue to threaten security forces throughout the world, growing in sophistication and frequency as more enemies of peace share information and realize the potential psychological, social, and political impact of this weapon. No other widely available terror weapon has more potential for mass media attention and strategic influence as does the IED.

## The Response

The asymmetric, global IED threat requires a multi-faceted response. JIEDDO was established as a Joint entity; it is a Jointly-manned activity of DoD. This organizational structure facilitates collaboration and mission execution across DoD. JIEDDO is organized into three lines of operations (LOOs): Attack the Network, Defeat the Device, and Train the Force. JIEDDO develops the means to successfully disrupt the networks that fund, develop and employ IEDs; provides defenses at the point of attack; and enables the training of warfighters in the use of new equipment and tactics, techniques and procedures against emerging IED threats. JIEDDO executes a research and development (R&D) portfolio to address current and emerging IED threats and associated technology capability gaps. Staff and Infrastructure provides required support to the mission-oriented LOOs.

To counter this enduring threat, JIEDDO leads the DoD C-IED effort by integrating the five enduring capabilities described below. These enduring capabilities must be scalable, affordable, adaptable, expeditionary, and support a whole-of-government approach.

- **Rapid acquisition and fielding** is the scalable ability to employ authorities, flexible resources, streamlined processes, and effective oversight to drive the R&D community to rapidly anticipate, identify, develop, and integrate emerging technologies and concepts into effective fielded C-IED solutions.
- **Operations-intelligence-information fusion and analysis** is an expeditionary and scalable network and analytical capability enabling DoD, other federal agencies, and coalition partners to understand threat-network activities globally by leveraging all available all-source information and intelligence to provide the most accurate, effective, time-sensitive information and counter-network support to Combatant Commanders and, as authorized and when directed, other federal agencies.
- **Training** is the ability to develop, define, and set C-IED and Attack the Network training standards for joint forces in response to Combatant Commanders' requirements and integrate those standards into appropriate joint and DoD concepts and doctrine. In support of Combatant Commander requirements, provide training and build partner C-IED and counter-network capacity.
- **Weapons technical intelligence (WTI)** is the ability to conduct relevant and timely collection, analysis, and technical and forensic exploitation of current and emerging IED technologies to swiftly enable force protection, component and materiel sourcing, targeting, countering of threat networks, and expeditious support to prosecution.
- **Whole-of-government approach** is the ability to rapidly synchronize counter-threat network capabilities and actions among joint, interagency, intergovernmental, international, and other federal agencies' C-IED stakeholders through collaborative planning, information sharing, and cooperative capability development to reduce the impact of IEDs on operational forces and the threat to the homeland.

## **Performance**

Since its inception, JIEDDO has achieved success in its mission to defeat IEDs as weapons of strategic influence by reducing the number of Joint and Coalition Force casualties and disrupting insurgent networks. JIEDDO's current efforts cover more than 200 projects, including C-IED force protection, exploitation of device signatures, C-IED persistent surveillance, sensor data fusion, and network analysis.

Currently, JIEDDO is focused principally on how to reduce the flow of homemade explosives (HME) into Afghanistan and to improve Commanders' freedom of maneuver whether by vehicle or on foot. JIEDDO recognizes that gains made in these areas must be achieved via a whole of government approach and through better information sharing among our partners and allies.

In addition, as chartered by DoD to rapidly acquire C-IED capabilities to deliver solutions to warfighters within six to twenty-four months, JIEDDO seeks to transition or transfer proven C-IED initiatives to the Services, COCOMs, or government agencies for lifecycle management and sustainment. Timely transitions and transfers of initiatives not only enables JIEDDO to apply limited resources to the most urgent emerging C-IED requirements, but ensures the developed C-IED technologies are sustained, and continue to be available to aid warfighters in theater. Recent initiatives include:

- **BeachComber:** BeachComber supports dismounted patrols by detecting buried munitions. JIEDDO transferred to the Army in FY11.
- **Goldie:** The Goldie system is a lightweight, handheld device for detecting IED components while conducting dismounted patrols. This initiative is a one-time commercial off-the shelf (COTS) procurement. JIEDDO transferred this initiative to the Army in FY11.
- **Minehound:** Minehound supports dismounted patrols by detecting low metallic signatures or no metallic signature IEDs. JIEDDO transferred to the Army and USMC in FY11.

The funds requested for FY 2013 are needed to support JIEDDO's rapid acquisition capability as well as its research and development efforts to reduce the effect of IEDs as weapons of strategic influence. JIEDDO quickly delivers solutions to the warfighter and develops future solutions to close current and emerging capability gaps. JIEDDO leads DoD's efforts to identify, acquire and develop capabilities to defeat IEDs and the networks that emplace them. The FY 2013 JIEDDF estimate is formulated to maintain C-IED capability readiness in support of existing and emerging IED threats to US forces.

# **FY 2013 Base Budget Estimate**



*Attack the Network – Defeat the Device – Train the Force*

**February 2012**

**JOINT IMPROVISED EXPLOSIVE DEVICE DEFEAT FUND**

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The Joint Improvised Explosive Device Defeat Organization (JIEDDO) leads Department of Defense actions to rapidly provide counter-IED capabilities in support of the Combatant Commanders and to enable the defeat of the IED as a weapon of strategic influence, striking a balance of focused intelligence fusion, technology and training. The IED has evolved into the weapon of choice for insurgent, terrorist and even criminal networks throughout the world. Easy to produce, inexpensive and effective, IEDs remain a persistent global threat, and while Joint and Coalition Forces respond with the most current C-IED measures, the enemy develops a myriad of new threats, ranging from the rudimentary to highly sophisticated, leveraging unconstrained resources and fast-paced technology. Therefore, the Department requests for expenses, not otherwise provided, necessary for the FY 2013 Joint Improvised Device Defeat Fund (JIEDDF) in the amount of \$227,414,000 to become available on October 1, 2012. The FY 2013 Budget Estimate will support critical JIEDDO S&I activities, which are necessary to develop and field materiel, non-materiel and training solutions to defeat IEDs as weapons of strategic influence.



**Fiscal Year (FY) 2013 Base Budget Request**

	<b>(In Thousands of Dollars)</b>
<b>FY 2013 Base Request</b>	<b>\$227,414</b>
<b>FY 2012 Base Budget</b>	<b>\$0</b>
<b>FY 2011 Base Budget</b>	<b>\$0</b>

**Part I - PURPOSE AND SCOPE**

Defeating the strategic influence of IEDs requires a comprehensive approach combining strategic to tactical unified whole of government action that aggressively disrupts the networks that fund, support and emplace IEDs; and defends at the point of attack. A multi-faceted strategy, balancing materiel and non-materiel initiatives, focused intelligence fusion, and training will ultimately decrease the strategic influence of IEDs. JIEDDO executes this strategy by leading, advocating and coordinating all DoD C-IED efforts. To that end, JIEDDO operates along three principal lines of operation (LOOs) to carry out its mission: Attack the Network, Defeat the Device, Train the Force. JIEDDO is established as a Joint entity and is a Jointly-manned activity of DoD. This structure facilitates collaboration and mission execution across DoD.

**PART II - JUSTIFICATION OF FUNDS REQUIRED**

The funds requested in the FY 2013 Base Budget Estimate are needed to sustain JIEDDO's unique ability to find and procure C-IED solutions to existing and emerging capability gaps in order to defeat IEDs as weapons of strategic influence. JIEDDO leads DoD's efforts to identify, acquire and develop capabilities to defeat IEDs and the networks that emplace them. As such, this funding is critical in defeating the clear and present danger that IEDs pose to U.S. Forces.

The JIEDDO FY 2013 Base Budget Estimate provides for strategic planning, workforce continuity and infrastructure requirements to support critical functions necessary for the C-IED fight. This budget estimate is tied directly to the enduring IED threat and represents the Department's need to ensure C-IED capabilities are addressed even during times when our forces are not involved in Overseas Contingency Operations. Without the proper focus and support of key C-IED capabilities, we risk the safety of our troops each time they deploy throughout the world.

### PART III – PROGRAM DESCRIPTIONS

	JIEDDO Requirements	Total
Staff and Infrastructure	Human Capital:	155,200,000
	Civilian Personnel	56,200,000
	Contractor Support Services (CSS)	89,500,000
	Reserve MOB DES	9,500,000
	Information Technology / Communications	40,500,000
	Facilities	20,800,000
	Travel	4,800,000
	Other (Supplies)	6,114,000
<b>Staff and Infrastructure Total</b>		<b>\$227,414,000</b>

- **Human Capital:** This request supports JIEDDO’s efforts to staff the organization with the proper mix of military, government civilians and contractor support with the focus of putting the right skill sets in the right positions at the right time. Building a well-balanced, world-class workforce with the knowledge, skills and abilities necessary to accomplish JIEDDO’s mission both now and in the future requires the institution of a robust framework of policies and processes to attract, develop and retain quality people. This request reflects the conversion of contract manpower equivalents (CME) to government civilian billets in accordance with the Deputy Secretary of Defense’s “In-sourcing Contracted Services – Implementation Guidance” signed 28 May 2009. Additionally, this request would provide funding for mobilized Reservists to provide scalable support to the JIEDDO workforce, providing critical skills and experience.
- **Information Technology / Communications:** This request funds the maintenance and upgrade of hardware and software; the enhancement and maintenance of the JIEDDO Enterprise Management System (JEMS); records management; and software licensing support within a strategy that enables JIEDDO to accomplish its C-IED missions in a secure, net-centric, knowledge-based environment. Communication enhancements and technological upgrades will continually be sought and integrated into the physical layout to further enhance JIEDDO’s efficiency and productivity.
- **Facilities:** This request funds the physical infrastructure that supports JIEDDO’s workforce. Facility costs supports the full complement of personnel and allows for the close coordination and facilitation of group meetings in a secure environment.
- **Travel:** This request supports JIEDDO’s efforts to maintain relevance to the warfighter, domestically and internationally.
- **Other (supplies):** This request provides funding for other costs including supplies, office equipment, and other office activities.

# **FY 2013 Overseas Contingency Operations Request**



*Attack the Network – Defeat the Device – Train the Force*

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Improvised explosive devices (IEDs) in the hands of insurgents and terrorists remain a critical threat to the safety of Joint and Coalition Forces in Afghanistan, as well as to longer-term U.S. strategic interests. Easy to produce, inexpensive and effective, IEDs remain a persistent global threat, and while Joint and Coalition Forces respond with the most current counter-IED (C-IED) measures, the enemy develops a myriad of new threats, ranging from the rudimentary to highly sophisticated, leveraging unconstrained resources and fast-paced technology. The FY 2013 Budget Estimate of \$1,675,400,000 will provide the Joint IED Defeat Organization (JIEDDO) with the necessary funding and management flexibility to rapidly develop and field materiel and non-materiel C-IED solutions and to support realistic and timely C-IED training for deployed and deploying warfighters.

## **Fiscal Year (FY) 2013 Overseas Contingency Operations Request**

	<b>(In Thousands of Dollars)</b>
<b>FY 2013 OCO Request</b>	<b>\$1,675,400</b>
<b>FY 2012 OCO Budget</b>	<b>\$2,442,000</b>
<b>FY 2011 OCO Budget</b>	<b>\$2,793,800</b>

### **PART I – PURPOSE AND SCOPE**

The Joint Improvised Explosive Device Defeat Fund (JIEDDF) provides funding for the Joint Improvised Explosive Device Defeat Organization (JIEDDO). Defeating the strategic influence of all forms of improvised explosive devices (IEDs) against Joint and Coalition Forces requires a comprehensive approach that combines an aggressive offense with a solid defense – ahead of enemy innovations. JIEDDO leads Department of Defense (DoD) actions to rapidly provide counter-IED (C-IED) capabilities in support of the Combatant Commanders and to enable the defeat of the IED as a weapon of strategic influence, striking a balance of focused intelligence fusion, technology and training. JIEDDO is organized into three lines of operations (LOOs) which directly carry out its mission: Attack the Network, Defeat the Device and Train the Force. JIEDDO was established as a Joint entity and a Jointly-manned activity of DoD. This organizational structure facilitates collaboration and mission execution across DoD. JIEDDO develops the means to successfully disrupt the networks that fund, develop and employ IEDs; and provides defenses at the point of attack. Additionally, JIEDDO enables the training of warfighters in the use of new equipment and tactics, techniques, and procedures against emerging IED threats. The FY 2013 Overseas Contingency Operations (OCO) request is formulated to rapidly deliver to the warfighter effective C-IED solutions in order to eliminate the IED as a weapon of strategic influence.

### **PART II – JUSTIFICATION OF FUNDS REQUIRED**

The FY 2013 OCO request supports JIEDDO's unique ability to achieve decisive results from concept to rapidly-delivered capabilities in the effort to defeat IEDs. Through the synergy created by leveraging the interactions of the LOOs, DoD has achieved an unprecedented capability to respond rapidly and effectively to this challenge. The Joint IED Defeat Capability Approval and Acquisition Management Process (JCAAMP) is the operational model by which JIEDDO aggressively seeks, acquires and assesses potential C-IED solutions for operational deployment, often in response to Joint Urgent Operational Needs (JUONs) and in conjunction with the Services. JCAAMP supports all of JIEDDO's LOOs and rapidly takes both materiel and non-materiel initiatives through the evaluation, approval, acquisition, operational assessment, sustainment and transition phases.

**LINE OF OPERATION 1: ATTACK THE NETWORK**

(In Thousands of Dollars)

FY 2013 OCO Request	\$950,500
FY 2012 OCO Budget	\$936,400
FY 2011 OCO Budget	\$1,115,200

**PART I – PURPOSE AND SCOPE**

The offensive portion of the IED fight, Attack the Network, is the cornerstone of the Department’s C-IED strategy. JIEDDO is aligned with U.S. Central Command’s campaign and has identified the necessary resources to support this critical operation. JIEDDO also provides enabling capabilities to Combatant Commands (COCOMs) and their subordinate units to conduct offensive operations against the complex enemy network of financiers, IED makers, trainers and their supporting infrastructure. This activity also supports the procurement of capabilities to attack IED networks and establishes net-centric C-IED operations in theater.

**PART II – JUSTIFICATION OF FUNDS REQUIRED**

The FY 2013 OCO request provides the capability to identify, attack and disrupt the enemy’s IED networks. JIEDDO supports the warfighter by developing, procuring, integrating and sustaining new technologies; providing tools for modeling and simulation and fusing intelligence. Moreover, this funding will continue to support JIEDDO’s cornerstone C-IED strategy by creating one common portal for all users to access intelligence fusion sources relevant to the C-IED fight including difficult to obtain information from deployed forces; analyzing terrorist groups operating in theater at tactical, operational, and strategic levels, and anticipating the second and third-order effects of adversary adaptation. The increase in the JIEDDO FY13 reflects the organizations strategy to increase emphasis on attacking the threat networks that supply HME precursors and employ IEDs with the goal of rendering them ineffective.

**PART III – PROGRAM DESCRIPTIONS**

<b>Line of Operation</b>	<b>JIEDDO Requirements</b>	<b>Total</b>
Attack the Network	Joint Urgent Operational Need (JUON)	433,112,343
	Strategic Investments	223,186,034
	Network Attack	262,532,253
<b>Attack the Network Total</b>		<b>\$ 950,500,000</b>

- **Joint Urgent Operational Need (JUON):** Emerging, immediate needs identified by Combatant Commanders and their respective Joint Task Forces that are considered life or combat mission threatening to which JIEDDO rapidly develops and deploys C-IED solutions. The FY 2013 OCO request is derived from historical experience as well as current trends and anticipated needs, based on emerging and persistent threats. The request also funds the sustainment of JIEDDO funded JUON requirements not yet terminated, transitioned or transferred to the Services.
- **Strategic Investments:** Non-JUON initiatives that capitalize on opportunities to deploy C-IED materiel and non-materiel solutions outside the JUON process. These initiatives focus on technologies that are aimed at disrupting IED networks (e.g. financiers, bomb makers, trainers, etc.).
- **Network Attack:** C-IED efforts in disrupting and destroying complex networks. These efforts provide analytical and technological support to warfighters in their operational environment.
  - **JIEDDO COIC Analytical Support Team (JCAST):** Operations teams, comprised of military and civilian personnel, who deploy in support of Overseas Contingency Operations to coordinate the dissemination of new C-IED technologies, tactics and techniques and act as conduits of information back to JIEDDO.
  - **Joint Expeditionary Team (JET):** The JET deploys relevant subject matter experts (SME) to investigate emerging overseas IED threats and trends in order to assist and prepare forces for current and future operations.
  - **Global Information Grid Bandwidth:** The information and communications architecture that provides data for detailed analyses that facilitate real-time collaboration with the in-theater warfighter.

Network attack diminishes capability gaps by addressing persistent and emerging threats. Through the maintenance of a robust R&D capability, JIEDDO provides enhancements to existing technologies as well as innovative solutions to IED network threats. These investments are necessary to make network-breaking advancements, and to mature technologies so that they can be developed and evaluated in theater for fielding.



**LINE OF OPERATION 2: DEFEAT THE DEVICE**

(In Thousands of Dollars)

FY 2013 OCO Request	\$400,000
FY 2012 OCO Budget	\$733,400
FY 2011 OCO Budget	\$873,100

**PART I – PURPOSE AND SCOPE**

The Defeat the Device line of operation develops solutions designed to thwart the impact of emplaced IEDs, including technologies that assist in detecting IEDs from greater distances, mitigating blast effects, protecting against blast injuries, and safely disarming or detonating IEDs before enemy activation. JIEDDO delivers solutions to Combatant Commanders to find and defeat IEDs at the point of attack, thereby reducing casualties and enhancing Commanders' freedom of action.

**PART II – JUSTIFICATION OF FUNDS REQUIRED**

The FY 2013 OCO request provides the capability to prevent, neutralize and mitigate the effect of IEDs. JIEDDO supports the warfighter by developing, procuring, integrating and quickly deploying new materiel solutions, as well as conducting research and development to find future solutions. The resulting C-IED capabilities are made available to the warfighter at the required tactical levels. The decrease reflected in the JIEDDO FY13 request is mainly attributed to the planned reduction of ground forces in Afghanistan as well as financial posture anticipated at fiscal year end.

**PART III – PROGRAM DESCRIPTIONS**

Line of Operation	JIEDDO Requirements	Total
Defeat the Device	Joint Urgent Operational Need (JUON)	199,774,202
	Strategic Investments	200,225,798
<b>Defeat the Device Total</b>		<b>\$ 400,000,000</b>

- The Defeat the Device LOO develops and provides capabilities to warfighters to detect, neutralize and mitigate IEDs and their effects. The detect functional capability is the extraction of information from objects and activities associated with IEDs (fabrication, transportation, and employment) or components of IEDs in sufficient time to achieve a favorable outcome. The neutralize functional capability provides the means to disable, disrupt or pre-detonate IEDs or their sub-components. The

mitigate functional capability lessens or minimizes the severity of IED-related events through enhancement of protection. New capabilities will enhance the protection of military personnel by providing US military forces additional means for detecting and neutralizing IEDs and mitigating the blast effects of IEDs. This request will support efforts to provide the following capabilities:

- Detect, neutralize, pre-detonate, or mitigate buried IEDs or pressure initiation devices: Buried IEDs are emplaced on or under the ground with the intent to detonate them beneath vehicles and personnel. The most common initiators for buried IEDs are pressure switches and command wires. Detecting buried IEDs is a significant technical challenge. JIEDDO's investments will encompass technologies intended to directly detect the device. JIEDDO will invest in technologies intended to detect signs of emplacement by change detection or by identifying the characteristic signatures of disturbed earth and other artifacts.
  - Provide stand-off detection and confirmation of explosives or chemical compounds associated with IEDs: Explosives detection is defined as the ability to find explosives associated with a threat when there is no prior evidence of the presence of a target material or other cueing indicator. Explosives confirmation is the ability to determine the composition of a material at a suspicious location.
  - Detect, neutralize or mitigate person-borne and vehicle-borne IEDs: Person-borne IED (PBIED) detection and verification requires fast, multimodal, surreptitious interrogation of each individual in a moving, unstructured crowd from a standoff distance. Vehicle-borne IED (VBIED) detection and verification requires similar interrogation of a moving vehicle in traffic from a stand-off distance. This budget request supports JIEDDO's efforts to develop components and system-of-systems technologies that will improve DoD capability to detect PBIEDs and VBIEDs.
- **Joint Urgent Operational Need (JUON):** Emerging, immediate needs identified by Combatant Commanders and their respective Joint Task Forces that are considered life- or combat mission-threatening to which JIEDDO rapidly develops and deploys C-IED solutions. The FY 2013 OCO request is derived from historical experience as well as current trends and anticipated needs, based on emerging and persistent threats. The request also funds the sustainment of JIEDDO-funded JUON requirements not yet terminated, transitioned or transferred to the Military Services or other Agencies.
  - **Strategic Investments:** These funds support Non-JUON initiatives that capitalize on opportunities to deploy C-IED materiel solutions outside the JUON process. These initiatives focus on technologies that are aimed at detecting, neutralizing and mitigating IEDs.

This category also provides funds for efforts to address persistent and emerging threats by diminishing associated gaps. Through the maintenance of a robust Research & Development capability, JIEDDO provides enhancements to existing technologies as well as innovative solutions to emplaced IED threats. These investments are necessary to make advancements and to mature technologies so that they can be developed and evaluated in theater for fielding, including those solutions that address the complex and ever-changing scope of some threats and capability gaps, necessitating a slightly longer and larger investment. This funding provides JIEDDO the flexibility to react quickly to more sophisticated threats and maintain technologically superior capabilities to address threats that are likely to follow.

### **LINE OF OPERATION 3: TRAIN THE FORCE**

<b>(In Thousands of Dollars)</b>	
<b>FY 2013 OCO Request</b>	<b>\$149,500</b>
<b>FY 2012 OCO Budget</b>	<b>\$129,400</b>
<b>FY 2011 OCO Budget</b>	<b>\$170,400</b>

#### **Part I – PURPOSE AND SCOPE**

The best asset on the battlefield is a well-led, trained, situationally-aware Soldier, Sailor, Airman or Marine. JIEDDO supports demanding training requirements to prepare units prior to and during deployment for operations in an intense, fluid IED environment. In order to enable Joint Forces, in partnership with Coalition Forces, to proactively defeat the IED threat in continuing operations, JIEDDO-sponsored initiatives facilitate individual and collective training and propagate IED defeat tactics, techniques and procedures.

#### **PART II – JUSTIFICATION OF FUNDS REQUIRED**

The FY 2013 OCO request procures critical C-IED training equipment, exports training capabilities to multiple locations, provides pre-deployment C-IED training to service members, and fuses IED defeat training efforts across the Services in an integrated approach that supports a Joint operating environment.

JIEDDO sponsors C-IED training at each of the Services' major training centers for military personnel. For pre-deployment training, units use C-IED surrogate equipment replicating actual equipment found in theater. This training is designed for the entire chain of command from the individual warfighter to the senior leader, and includes unit collective training. Training consists of seminar work and accompanying practical exercises, covering topics such as the IED threat and countermeasures, device components, types of attacks, route reconnaissance and clearing, and current in-theater trends. The training, supported by seasoned C-IED instructors with recent in-theater experience, occurs at home station and at Service training centers. Training personnel are continually rotated in and out of theater to ensure that deploying warfighters are receiving information on current theater trends and valid experience with C-IED tactics, techniques and procedures. Specialized units, such as the Explosive Ordnance Disposal (EOD) and route clearance teams, are constantly refining their techniques and procedures against IEDs with the assistance of JIEDDO personnel. The increase in the JIEDDO FY13 budget request provides the requisite resources to address C-IED training gaps identified by Combatant Commanders in their after action reviews with the JIEDDO Director.

### PART III – PROGRAM DESCRIPTIONS

Line of Operation	JIEDDO Requirements	Total
Train the Force	Counter-IED Training Support	105,721,504
	Joint Urgent Operational Need (JUON)	43,778,496
<b>Train the Force Total</b>		<b>\$ 149,500,000</b>

- **Counter-IED Training Support:** Joint C-IED training saves lives and significantly enhances C-IED effectiveness. Mitigating the effects of enemy IED employment through comprehensive training of our forces puts troops in the field who are situationally aware and who know their gear. Given the joint nature of this area, JIEDDO is considered by the Combatant Commanders as the provider of choice for this critical enabler, and as such, support efforts in the following areas to ensure C-IED training gaps are closed expeditiously:
  - Non-Material Training Solutions: Provides a Train-the-Trainer capability in support of pre-deployment training.
  - Live, Virtual, Constructive, Gaming (LVCG): Provides C-IED LVCG training capabilities that will mitigate near-term training gaps.
  - Training Capacity: Improves the through-put of a C-IED training capability until a Service can accommodate the new requirements.
  - Materiel Support: Provides C-IED equipment currently employed in theater that is not readily or immediately available for pre-deployment training.
  - Training Environment: Sets conditions at Combat Training Centers, Home Stations, and other major through-put venues that facilitate training under realistic conditions. JIEDDO works in concert with Service long-range plans for improvements to and modernization of training environments.
  - Proliferation of Tactics, Techniques and Procedures (TTPs): Provides a capability that assists in TTP development, as well as training on TTPs currently applied in theater.

## **STAFF AND INFRASTRUCTURE**

	(In Thousands of Dollars)
FY 2013 OCO Request	\$175,400
FY 2012 OCO Budget	\$642,800
FY 2011 OCO Budget	\$635,100

### **Part I - PURPOSE AND SCOPE**

JIEDDO's Staff and Infrastructure provides critical support in terms of civilian personnel, mobilized military, contractor support services, information technology, travel, and supplies that enable the organization to conduct its mission effectively. JIEDDO headquarters is comprised of the Command Group, Director's Special Staff, Deputy Director for Rapid Acquisition and Technology, Deputy Director for Operations/Intelligence Integration, Deputy Director for Resources and Requirements, and Deputy Director for Training.

### **PART II - JUSTIFICATION OF FUNDS REQUIRED**

The JIEDDO FY 2013 OCO Budget Estimate for Staff & Infrastructure provides for strategic planning, workforce continuity, infrastructure requirements, and technology development to support JIEDDO's mission needs. This Budget captures critical staff and infrastructure activities previously described and accounted for in LOOs 1-3, and moved these activities to Staff & Infrastructure in compliance with the direction of the FY11 and FY12 Department of Defense Appropriations Acts. The JIEDDO FY13 total request for staff and infrastructure is \$400,000K and is split between a base budget request of \$227,414K and an OCO request of \$175,400K. The OCO staff and infrastructure request provides the necessary resources to support a scalable workforce and associated mission support expenses required for the Overseas Contingency Operations expected during this fiscal year.

**PART III – PROGRAM DESCRIPTIONS**

	<b>JIEDDO Requirements</b>	<b>Total</b>
Staff & Infrastructure	Staff & Infrastructure	175,400,000
<b>Staff &amp; Infrastructure Total</b>		<b>\$ 175,400,000</b>

The JIEDDO FY 2013 OCO request provides the following:

- **COIC Staff & Infrastructure**: JIEDDO’s C-IED Operations Intelligence Integration Center (COIC) provides real-time, fused, C-IED related information support to deployed warfighters, enhancing their ability to successfully attack the IED networks. The budget request is intended to support the staff and infrastructure requirements of the COIC to ensure that its core C-IED capabilities are ready for emerging overseas contingency operations wherever they may arise.
- **Deputy Director of Rapid Acquisition & Technology (DDRA&T) Staff & Infrastructure**: Within the DDRA&T, JIEDDO plans, coordinates, and oversees the continuous evaluation of all JIEDDO initiatives in order to enable fact based acquisition and risk management decisions. JIEDDO conducts modeling and simulation (M&S) functions in support of these initiatives to provide early and continuous assessment of systems’ performance and potential. JIEDDO also conducts test operations to ensure JIEDDO-funded C-IED initiatives are subject to sound engineering principles and adhere to approved test and evaluation protocol and policies. The budget request provides for critical staff and infrastructure to support these functions.
- **JCOE Staff & Infrastructure**: JIEDDO’s Joint Center of Excellence (JCOE) is a unique, agile organization comprised of subordinate centers for each military Service. JCOE enables the insertion of tactical realism into unit C-IED training, drawing insights from COIC, JIEDDO’s Operations Research and Systems Analysis (ORSA) cell, and forward deployed teams. As a result of JCOE’s efforts, warfighters are able to receive extensive training prior to deployment and are better prepared for the IED threats they face in theater. The budget request provides funding for critical staff and infrastructure support to ensure that deploying warfighters are trained against the most current threat using proven tactics, techniques, and procedures (TTPs), and that they remain proficient in the use of the newest technologies and methods.

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<b>Exhibit P-40 Budget Item Justification</b>				<b>Date: February 2012</b>				
<b>Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 2093/Joint Improvised Explosive Device Defeat Fund</b>				<b>P-1 Line Item Nomenclature Joint Improvised Explosive Device Defeat Organization</b>				
<b>Program Element for Code B Items:</b>				<b>Other Related Program Elements:</b>				
Procurement Items Cost (\$ in millions)	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	Total
Proc Qty								
Gross Cost								
Less PY Adv Proc								
Plus CY Adv Proc								
Net Proc (=P-1)								
Initial Spares								
Total Proc Cost	\$ 2,793.8**	\$ 2,442.0**	\$1,902.8**	TBD	TBD	TBD	TBD	TBD
Flyaway U/C								
Wpn Syst Proc U/C								
** Combination of Base and OCO								
<b>DESCRIPTION:</b>								
<b><u>Joint Improvised Explosive Device Defeat Organization (JIEDDO) (\$1,902.814M)</u></b>								
<p>The Joint Improvised Explosive Device Defeat Fund (JIEDDF) is the principal funding source for JIEDDO. Defeating the strategic influence of all forms of improvised explosive devices (IEDs) against Joint and Coalition Forces requires a comprehensive approach that combines an aggressive offense with a solid defense – ahead of enemy innovations. Recognizing the IED as an enduring battlefield condition, JIEDDO's mission is to lead all Department of Defense actions and support Combatant Command efforts to eliminate the IED as the predominant strategic weapon against our nation and its partners. This mission is executed across three concurrent and complementary lines of operation: attacking the networks that place IEDs, devising ways to defeat the device, and training our forces to counter the threat. JIEDDO develops the means to successfully disrupt the networks that fund, develop and employ IEDs; and provides defenses at the point of attack. Additionally, JIEDDO enables the training of warfighters in the use of new equipment and tactics, techniques and procedures (TTPs) against emerging IED threats. The FY 2013 estimate is formulated to maintain Counter-IED (C-IED) capability readiness in support of existing and emerging Overseas Contingency Operations; and to rapidly deliver effective C-IED solutions to theater that seek to eliminate IEDs as weapons of strategic influence.</p>								

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**Base Budget Request (\$227.414M):**

Defeating the strategic influence of IEDs requires a comprehensive approach that aggressively disrupts the networks that fund, support, and emplace IEDs; and defends at the point of attack. A multi-faceted strategy balancing materiel and non-materiel initiatives, focused intelligence fusion and training is required to decrease the tactical effectiveness and strategic influence of IEDs. JIEDDO has the mission to defeat the global IED threat beyond its support of current operations. The FY 2013 Budget Estimate funds civilian salaries, contractor support services, information technology, travel, supplies, building and vehicle leases and other operating expenses that are necessary to the success of the Attack the Network, Defeat the Device, and Train the Force lines of operation.

**Overseas Contingency Operations Request (\$1,675.4M):**

IEDs remain a critical threat to the safety of Joint and Coalition Forces in Afghanistan, as well as to longer-term U.S. strategic interests. This request allows JIEDDO to bring its unique rapid acquisition capabilities to bear in support of the current overseas contingency operations to quickly close emerging capability gaps and deliver timely C-IED solutions to the warfighter. JIEDDO leverages the synergy created by the interactions of its lines of operation and uses the Joint IED Defeat Capability Approval and Acquisition Management Process (JCAAMP) as its operational model to aggressively seek, acquire and assess potential C-IED solutions for operational deployment; most of which are fielded in direct response to Joint Urgent Operational Needs (JUONs) and in conjunction with the Services. This process enables JIEDDO to rapidly acquire systems and develop capabilities to meet warfighter needs, normally within two to twenty-four months, transitioning to the Services those initiatives ultimately determined to have a Service-related C-IED capability.

**Line of Operation 1: Attack the Network (\$950.5M)**

**Attack the Network Overseas Contingency Operations Request (\$950.5M):**

FY 2013 OCO request will furnish the means to develop and deliver capability solutions designed to identify, attack and disrupt the enemy's IED networks. JIEDDO supports the warfighter by developing, procuring, integrating and sustaining new technologies, tools for modeling and simulation and fusing intelligence. The Attack the Network line of operation includes actions and activities designed to reduce IED effects and interrupt the enemy's chain of IED activities by identifying and exploiting vulnerabilities and enabling offensive operations. This effort is accomplished through intelligence, surveillance, reconnaissance, counter-bomber targeting, technical and forensic exploitation of devices, and persistent surveillance directed towards defeating the enemy's capabilities.

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**Line of Operation 2: Defeat the Device (\$400.0M)**

**Defeat the Device Overseas Contingency Operations Request (\$400.0M)**

The FY 2013 OCO request supports the development and fielding of materiel solutions to emerging JUONs as well as the sustainment of those JUONs previously funded by JIEDDO; up to the point that they are transferred or transitioned to the Services or other agencies or terminated. Funds are also required to make initial investments to counter emerging threats and to capitalize on unforeseen opportunities to deploy C-IED materiel solutions outside of the JUON process. These resulting C-IED materiel solutions are then made available to the warfighter at the appropriate levels to support operational planning and execution. This request will support efforts to provide the following capabilities: detect, neutralize or mitigate buried IEDs or pressure initiation devices; provide stand-off detection and confirmation of explosives or chemical compounds associated with IEDs; detect, neutralize or mitigate person-borne and vehicle-borne IEDs; and airborne detection systems.

**Line of Operation 3: Train the Force (\$149.5M)**

**Train the Force Overseas Contingency Operations Request (\$149.5M)**

The FY 2013 OCO request enables JIEDDO to procure critical C-IED training equipment, export training capabilities to multiple locations, provide pre-deployment C-IED training to service members and fuse IED defeat training efforts across the Services in an integrated approach that supports a Joint operating environment. JIEDDO sponsors C-IED training for military personnel at each of the Services' major training centers that is designed for the entire chain of command from the individual warfighter to the senior leader, including unit collective training. Training support consists of seminars and practical exercises, covering topics such as the theater-specific IED threat and countermeasures, device components, types of attacks, route reconnaissance and clearing and current in-theater trends. The training is supported by seasoned C-IED instructors with recent in-theater experience and occurs at both home station and Service training centers. Training personnel are continually rotated in and out of theater to ensure that deploying warfighters are receiving information on current theater trends and combat proven C-IED tactics, techniques and procedures. For pre-deployment training, units use C-IED surrogate equipment replicating actual equipment found in theater. Specialized units such as the Explosive Ordnance Disposal (EOD) and route clearance teams, constantly refine their techniques and procedures against IEDs with the assistance of JIEDDO personnel.

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**Staff and Infrastructure (\$175.4M)**

**Staff and Infrastructure Budget Estimate (\$175.4M)**

The FY 2013 OCO request reflects JIEDDO's enduring mission to defeat the global and long-term IED threat. The request supports JIEDDO's critical support structure in terms of infrastructure, contractor support, and other operational support at the COIC and JCOE, as well as JIEDDO's testing, modeling, and evaluations functions to accurately assess the performance of new technologies.