



Joint Improvised Explosive Device Defeat Organization (JIEDDO)

Annual Report
2006



Attack the Network – Defeat the Device – Train the Force

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Attack the Network - Defeat the Device - Train the Force



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Message from the Director

Background. With the publication of Department of Defense (DoD) Directive 2000.19E in February 2006, DoD established the Joint Improvised Explosive Device Defeat Organization (JIEDDO). JIEDDO has provided vital support to our forces countering threats from improvised explosive devices (IEDs) while simultaneously maturing our organization and processes. During the past year, we built the team and developed a strategy and the processes for moving ahead. We established an aggressive “finding network” for locating promising technologies and initiatives; we implemented procedures necessary for good stewardship of programs; and we developed a comprehensive, uncertainty-tolerant process for bringing new initiatives rapidly from prototype to warfighting capability.

Challenge. Our troops in Iraq and Afghanistan face adaptive enemies who study and exploit our vulnerabilities, avoid our strengths, and relentlessly leverage their own advantages to influence the political process. They inflict casualties through the systematic employment of readily available, inexpensive, and constantly evolving technologies.

Mission. JIEDDO serves as DoD’s catalyst for all initiatives across the full range of efforts to counter IEDs by leading, advocating, and coordinating all DoD actions in support of combatant commanders. JIEDDO works along three lines of operation – Attack the Network, Defeat the Device, and Train the Force.

What Makes JIEDDO Unique. To help defeat the IED threat by leveraging finding networks comprised of industry, academia, laboratories, and other government agencies, JIEDDO aggressively seeks both offensive and defensive initiatives. Our finding networks feed the process rapidly to put countermeasures in the hands of warfighters. Our system, the Joint IED Defeat Capability Approval and Acquisition Management Process (JCAAMP), is an agile, uncertainty-tolerant method that leverages key aspects of DoD’s requirements-generation, acquisition, and financial management systems. JIEDDO executes an investment-bank approach to IED defeat by linking the possibilities of technological innovation to the art of operations.

JIEDDO established the Counter-IED Operations Integration Center (COIC) during 2006. The COIC responds to the needs of tactical commanders quickly. The COIC’s ability to provide commanders with fused intelligence, operational data, and technical products allows warfighters to marshal and sustain attacks against IED networks.

Our training initiatives are dramatically increasing our warfighters’ capacity to operate in fluid, chaotic environments and to actively shape their operational environment.

Vision. JIEDDO will continue to lead DoD’s actions to find and develop capabilities to counter IEDs and to enable attacks against the networks that employ them. Diminishing the impact of this extremely challenging weapon system depends on our continued ability to execute preemptive strikes and maintain a ruthless cycle of countermeasures that wears our enemies down to a point of strategic irrelevance. To succeed, we must learn to anticipate and innovate faster than a thinking and resourceful enemy. As we move forward in 2007, our goal remains clear – to defeat IEDs as weapons of strategic influence.


Montgomery C. Meigs
General, U.S. Army (Retired)
Director

Background

The Threat. The \$3 trillion annual investment in information technology made commercially each year provides a continuous source of new and affordable commercial communications



devices that easily can be adapted to arm and initiate IEDs. These weapons represent the enemy's fires system, their artillery. In Iraq and Afghanistan, the enemy delivers their fires through networks that for centuries have formed the sinews of commerce for tribes and factions—tribal structures created for survival that defy identification. During 2006, the enemy continued to evolve and adapt IED technology and tactics. The use of anti-armor IEDs, including explosively formed projectiles (EFPs), increased. Roadside IEDs and more recently truck-borne IEDs continued to target coalition forces. Vehicle-borne IEDs, both suicide and remote-activated, primarily targeted security forces and civilians. In Afghanistan, suicide-vehicle and personnel-borne IEDs increased dramatically.

The Response. JIEDDO initially focused on building its organization in phases, while fielding capabilities to defend at the point of attack and developing the Joint Center of Excellence (JCOE) to improve training in IED defeat. As 2006 evolved, JIEDDO's focus grew to include offensive enablers, primarily the development of the COIC and the Law Enforcement Program (LEP). These efforts are paying off: units in the field are making progress against the enemy. Coalition forces are finding and rendering ineffective about half of all IEDs, and while the number of IEDs have increased, the number of casualties remain fairly constant.

Lines of Operation. Defeating the IED as a weapon of strategic influence requires a comprehensive approach that combines an aggressive offense with a solid defense. A balance of technology, training, and focused intelligence ultimately will win this fight. To that end, JIEDDO operates along three lines of operation to carry out its mission:

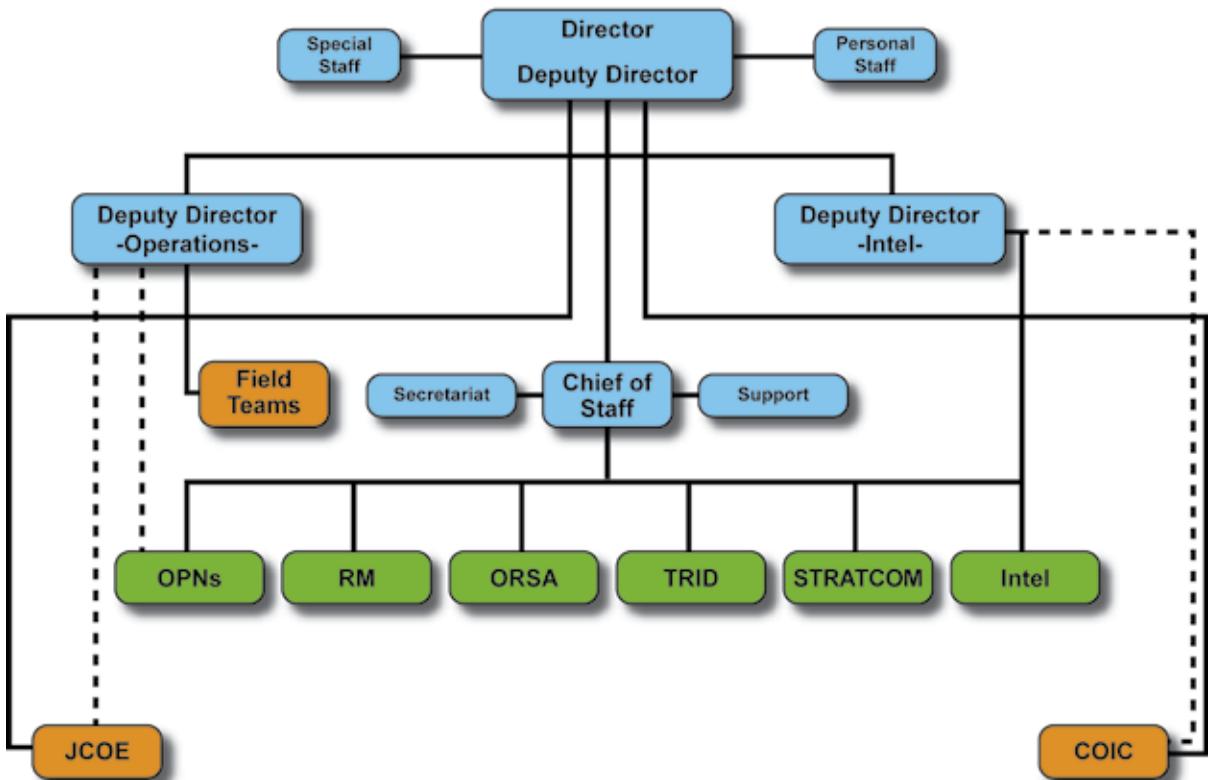
- **Attack the Network.** The offensive portion of the IED fight, Attacking the Network is the lynchpin of our success. Over the last year, JIEDDO repositioned itself to devote greater resources to this critical line of operation. JIEDDO provides enabling capabilities to Combatant Commanders and their subordinate units to conduct offensive operations against the complex network of financiers, IED makers, trainers, and their supporting infrastructure.
- **Defeat the Device.** Defeating the Device includes all initiatives designed to thwart the impact of IEDs after they are emplaced. This includes technologies that assist in detecting IEDs from greater distances, mitigating blast effects and protecting against blast injuries, and tools to enable troops to safely disarm or detonate IEDs before they can be activated by the enemy. JIEDDO Identifies, develops, acquires, and fields technology to Combatant Commanders to find IEDs and defeat them at the point of attack, thereby lowering casualties and enhancing commanders' freedom of action.

- **Train the Force.** The best asset on the battlefield is a well-trained, situationally aware Soldier, Sailor, Airman or Marine. JIEDDO supports demanding individual and collective training requirements to prepare units prior to and during deployment for operations in an intense, fluid IED environment.



Organizational Structure. JIEDDO's organizational structure includes staff functions (shown in blue and green) and three operational organizations (orange). This structure facilitates collaboration and mission execution across DoD. Field teams are deployed to both Iraq and Afghanistan to collect and disseminate IED-specific lessons learned and tactics, techniques, and procedures (TTPs) and to support units by conducting tactical analysis of significant IED attacks. The JCOE funds and oversees critical IED defeat training across all Services. The COIC enables both tactical and operational offensive operations against the IED networks.

JIEDDO Organization

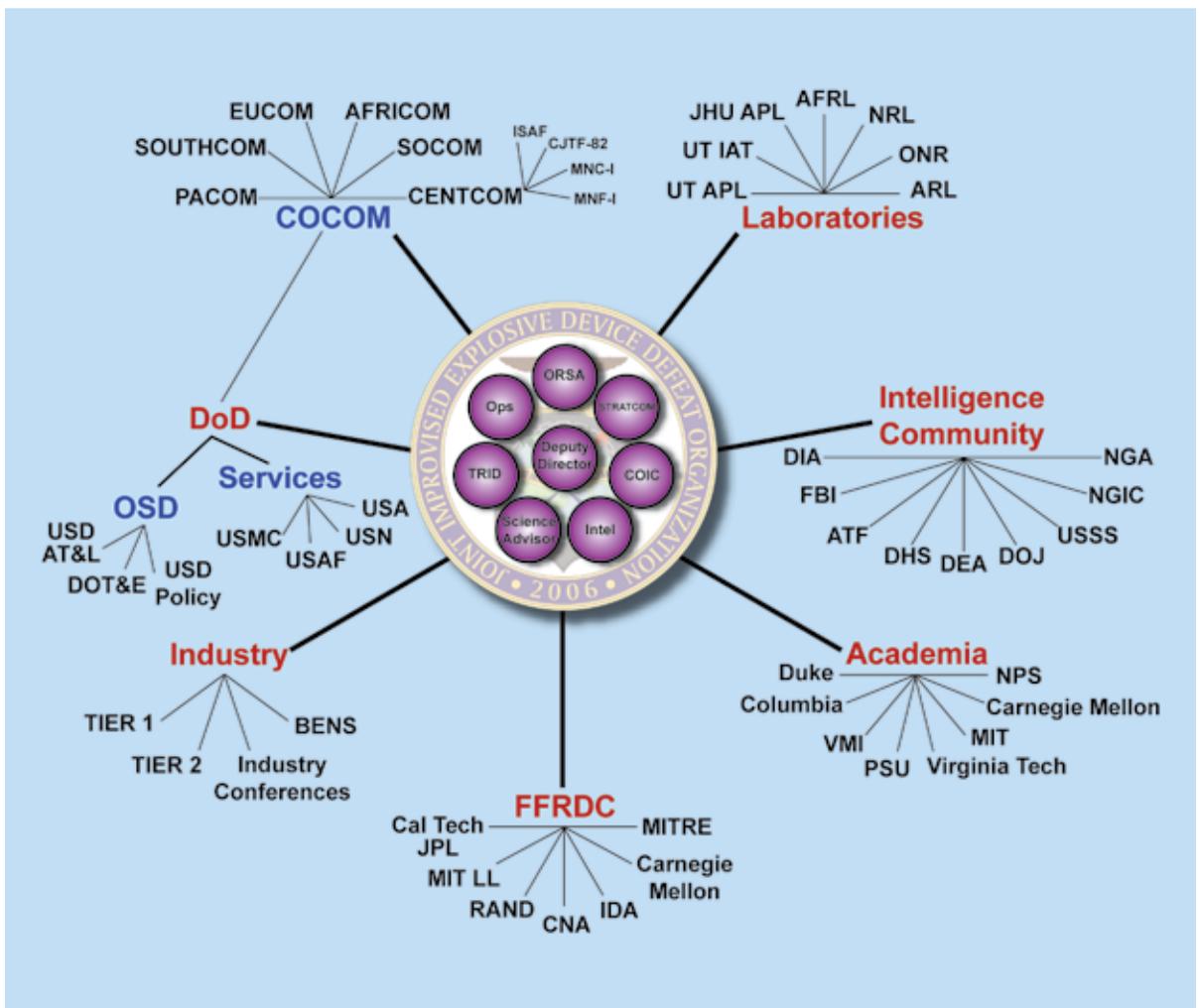


Business Process. JIEDDO's operating model enables rapid identification, approval, funding, acquisition, assessment, and subsequent distribution of critical counter-IED initiatives.

JIEDDO faces the same challenge as the Services in following federal acquisition rules while keeping pace with accelerating cycles of innovation. We meet this challenge by investing in a high-quality workforce that uses aggressive "finding networks" to seek innovative solutions, and by using robust systems engineering methods and gaming techniques to make informed, uncertainty-tolerant decisions on fielding capabilities.

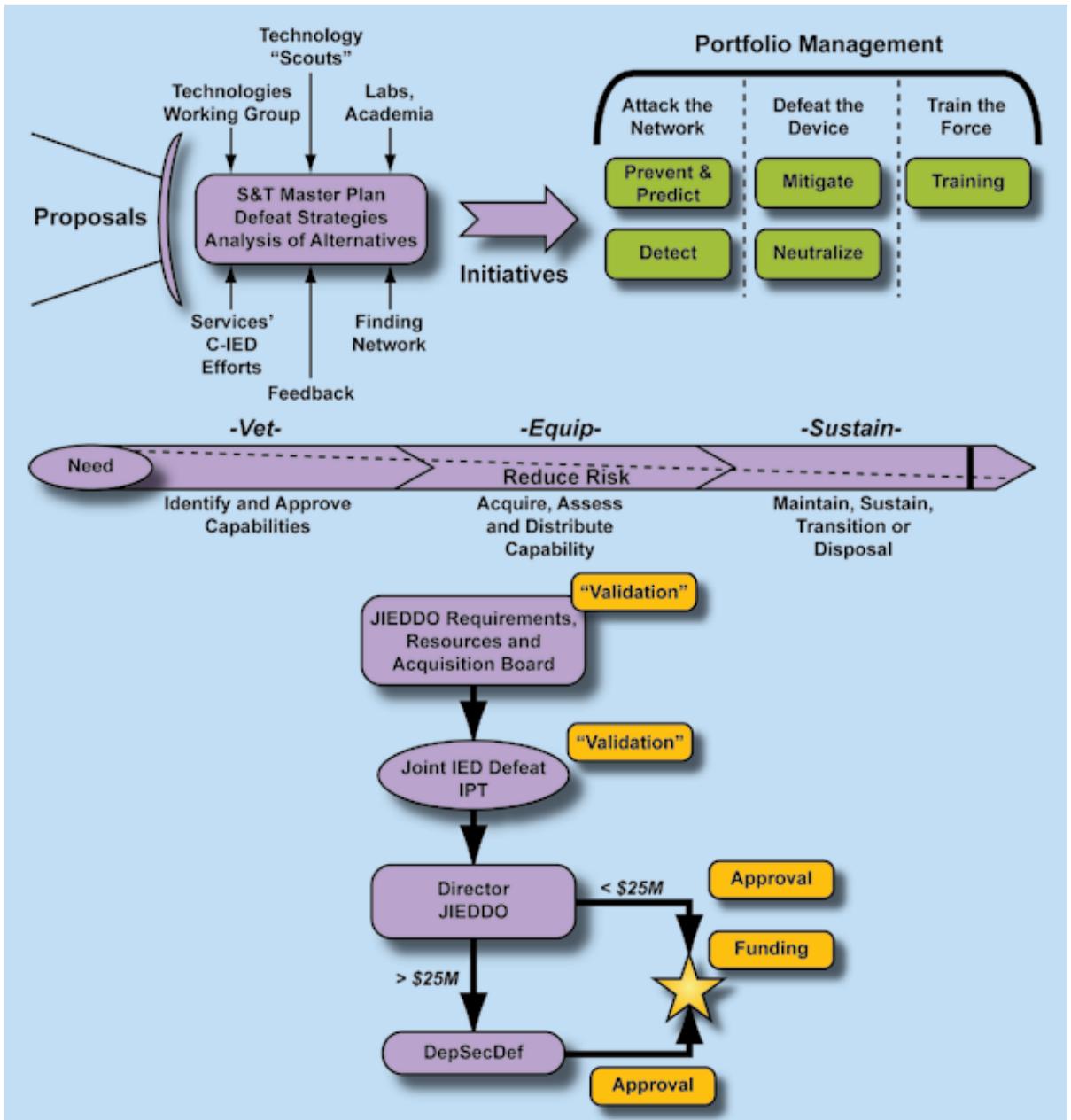
This process begins by leveraging finding networks comprised of industry, academia, laboratories, and other government agencies. These finding networks feed the Joint IED Defeat Capability Approval and Acquisition Management Process (JCAAMP) which, in turn, drives a competitive strategy for rapidly validating and acquiring counter-IED initiatives. Over the course of 2006, JIEDDO approached 258 corporations and established working programs with 88 of them. In addition, JIEDDO established contact with 15 universities and research centers and 37 government labs. Half of these contacts resulted in productive, long term relationships.

JIEDDO's Finding Networks



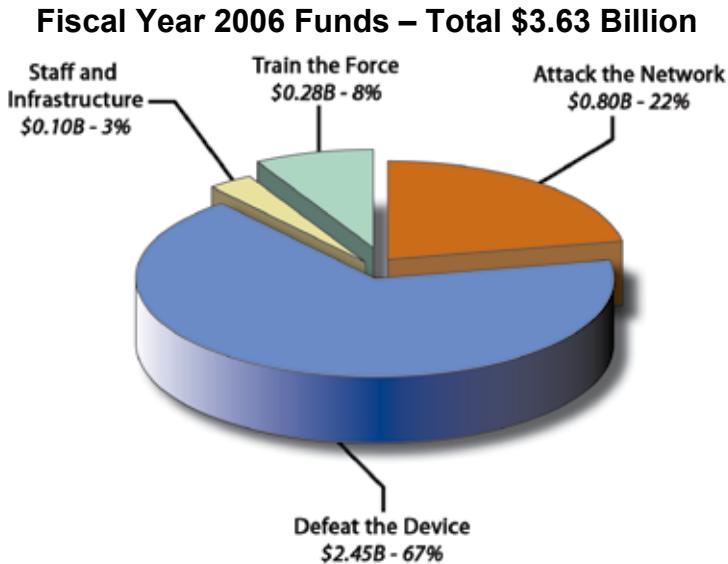
As illustrated below, JCAAMP rapidly assesses and acquires new C-IED capabilities and quickly places them in the hands of warfighters, while simultaneously conducting operational assessments. The Military Services, the Joint Staff, OSD, and the Combatant Commanders, along with teams of scientists and other subject matter experts, provide validation and oversight throughout this process. JIEDDO works with the appropriate Military Services to facilitate a smooth transition to their control for those initiatives ultimately determined to possess an enduring C-IED capability.

Joint IED Defeat Capability Approval and Acquisition Management Process (JCAAMP)



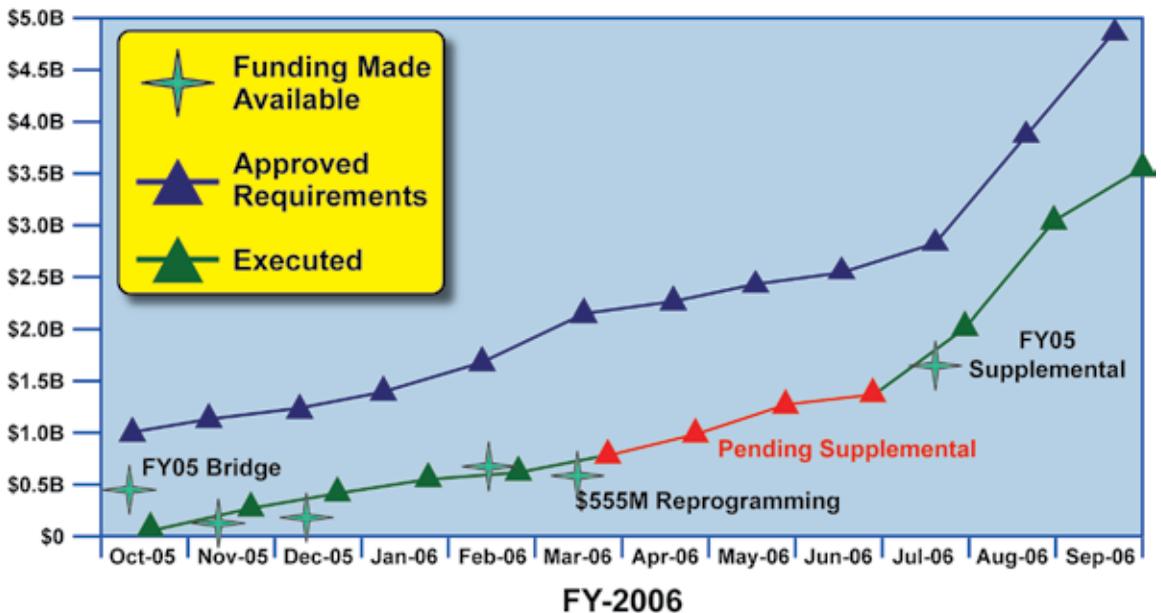
Resources

Funding. The chart below illustrates our FY 2006 expenditures of \$3.63 Billion as they fell along each of our lines of operation. These funds provided procurement, research and development, and operations and maintenance support to both the Services' and Central Command's (CENTCOM) counter-IED requirements.



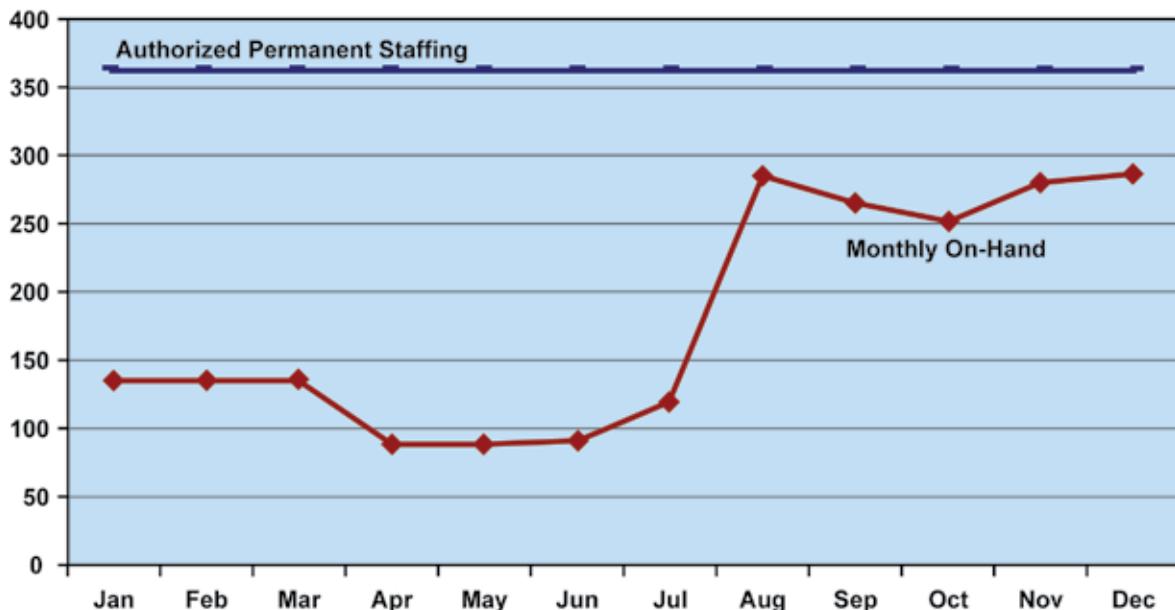
The chart below shows the execution of the FY 2006 budget, which included 84 days without funds between exhaustion of Bridge Supplemental Funds and receipt of the '06 Supplemental. At the end of FY 2006, approximately \$1.5 Billion in unfunded '06 requirements became the top priorities for FY 2007 funding.

JIEDDO FY 2006 Budget



Personnel. JIEDDO's predecessor organization, the Joint IED Task Force, had a permanent staff of 174 military, government civilian, and contractor personnel. With our increased mission, JIEDDO's transition from a task force to a more permanent organization has helped create a more highly skilled and stable workforce with an approved authorization of 363 personnel in 2006. The chart below depicts the growth of permanent staffing during 2006. By the end of the year, 66% of the military and 82% of the government civilian billets were filled. JIEDDO also relied heavily on additional contractor support to provide capabilities not available within DoD, up to 142 man-year equivalents under service contracts. Many of these contractors serve with units in the field and with service providers at the COIC. In its first year, a year in which JIEDDO provided critical capabilities to the warfighter while simultaneously building organizational capacity, only 3% of JIEDDO's budget was consumed for staffing and infrastructure.

2006 JIEDDO Permanent Staffing



Facilities. In January 2006, to allow for an expanding workforce, JIEDDO moved from the Pentagon to Arlington, VA. The move also enabled JIEDDO to consolidate and integrate its Fort Belvoir operation into one headquarters. During 2006, JIEDDO also secured and rapidly developed a facility for the COIC to meet unique requirements for supporting offensive operations against IED networks.

Major Accomplishments During 2006

Working in partnership with industry, academia, government agencies, and coalition partners, JIEDDO actively seeks new technologies and initiatives to enable warfighters to combat the IED threat.

In 2006, we hosted the first in a series of semi-annual Technology Outreach Conferences. At these classified events, those working on IED defeat solutions are briefed on the current IED threat and provided detailed information on the capability gaps we face. Held at the Ronald Reagan Building & International Trade Center in Washington, D.C., this inaugural event drew more than 600 representatives from industry and the research community.

JIEDDO receives hundreds of suggestions and proposals for IED defeat solutions from both large and small companies, traditional defense contractors and companies typically not affiliated with DoD, warfighters in theater, the research community and concerned citizens. In the past year, JIEDDO funded almost a quarter of more than 1000 proposals it considered, with an average lead time of 2 to 8 months 384 passed initial review, 240 were funded for development or testing, and 82 were fielded. This section highlights a few of the significant capabilities placed into the hands of warfighters during 2006.

Attack the Network:

Intelligence Surveillance and Reconnaissance. The following are a small sampling of JIEDDO programs that have provided warfighters in Iraq and Afghanistan unprecedented ISR capability.

- Constant Hawk. This aircraft-mounted ISR capability includes a sensor package that produces imagery to facilitate tracking and identifying individuals involved with terrorist and IED activities.
- Warrior Alpha. This Unmanned Airborne System provides a persistent, tactical ISR capability that gathers video to provide commanders with immediately actionable intelligence.



- Sensitive Technology Programs. JIEDDO developed a portfolio of 80 tactical ISR programs. These programs prevent the use of certain IED devices and support attacks against IED networks. More detailed information on sensitive technology programs may be obtained by contacting JIEDDO's Technology & Requirements Integration Division.
- Weapons Technical Intelligence. Weapons intelligence teams (WIT) collect evidence through the exploitation of captured or found explosive devices and remnants. The Combined Explosive Exploitation Cells (CEXC) analyze this evidence and produce the intelligence that guides counter-IED TTPs and informs JIEDDO's decision makers about the development of counter measures. Evidence exceeding CEXC capability is transferred to the FBI's Terrorist Explosive Device Analytical Center.



- Counter-IED Targeting Program (CITP). JIEDDO funds an analytical capability for reach-back counter-insurgency intelligence support for deployed forces. CITP analysts are also deployed to both Iraq and Afghanistan.
- Law Enforcement Program (LEP). LEP provides division, brigade, and battalion commanders with experienced former law enforcement experts to assist in identifying, monitoring, penetrating, and suppressing IED networks. Teams began deploying to Iraq in October 2006. Their insights into the techniques and patterns of gangs and organized crime have proved to be a significant aid to commanders' efforts to target IED networks.

Defeat the Device

Counter Radio-Controlled Electronic Warfare (CREW).

A family of vehicle-mounted, man-portable, and fixed site counter-IED jamming systems, CREW prevents radio frequency initiated IEDs from detonating. In the past year JIEDDO has funded over 14,000 jammers for Marine and Army units. By the end of 2007, JIEDDO will purchase more than 37,000 jammers. These jammers include:

- Duke. A vehicle-mounted jamming system first deployed to theater in February, 2006.
- Guardian. A man-portable jamming system. This fielding saw the first use of an uncertainty-tolerant process of procurement that took Guardian from the initial request for information to contract award in 3 months.
- Hunter. A vehicle-mounted jamming system.
- Spirals. Mounted and dismounted spiral improvements are in development to enhance current systems. Three separate spiral initiatives will increase coverage of the threat spectrum.
- Chameleon. A vehicle-mounted jamming system. This program was put in place to accelerate the production and fielding of jammer capabilities for the Marines.



Spectrum as a Battlespace. In addition to its work with Navy EOD Technology Division to procure jammers, JIEDDO has worked with Navy EOD experts to improve ground force expertise in electronic warfare and to develop unprecedented TTPs for counter-IED operations. JIEDDO also funded the Army's programs to train electronic warfare specialists.

Frag Kit 5. The U.S. Army Research Development Engineering Command (RDECOM) developed an armoring package for high mobility multipurpose wheeled vehicles (HMMWVs)



that replaces doors and rocker panel assemblies to enhance personnel protection against IED explosions. JIEDDO funded 8,100 kits and accelerated Army and Marine production of M1114s and M1151s. The first kits arrived in theater in September 2006; fielding will be completed by July 2007.

Rhino and Rhino II: JIEDDO funded an expedient solution developed in the field to defeat triggering mechanisms associated with EFPs. This system was fielded within weeks of a soldier in the field suggesting it. A second more durable version currently is being fielded.

EOD Robots and Support Systems.

The effort to field a variety of EOD-related robotic platforms and accessories began in November 2005. They provide IED stand-off detection and interrogation in support of EOD and engineer route clearance teams.

ISR. Critical ISR capabilities provided to warfighters in 2006 include aerostat systems such as Rapid Aerostat Initial Deployment (RAID) and Persistent Threat Detection System (PTDS) that produce surveillance support around forward operating bases. There are a number of RAIDs and PTDSs currently deployed in theater and additional systems are on the way.



Joint EOD Rapid Response Vehicles (JERRV). Combat Engineers and EOD teams use this vehicle to conduct route reconnaissance and clearance. The JERRV is a product-improved Cougar variant funded by JIEDDO and the Army in 2005 and 2006 to increase survivability of route clearance teams against small arms and mine threats. JIEDDO also funded a



reconnaissance version of the JERRV, called the Engineer Reconnaissance (RECCE) Vehicle. This vehicle will have detection and neutralization capabilities. The Engineer RECCE Vehicle proof of concept vehicle will deploy to theater in June 2007 for operational assessment.

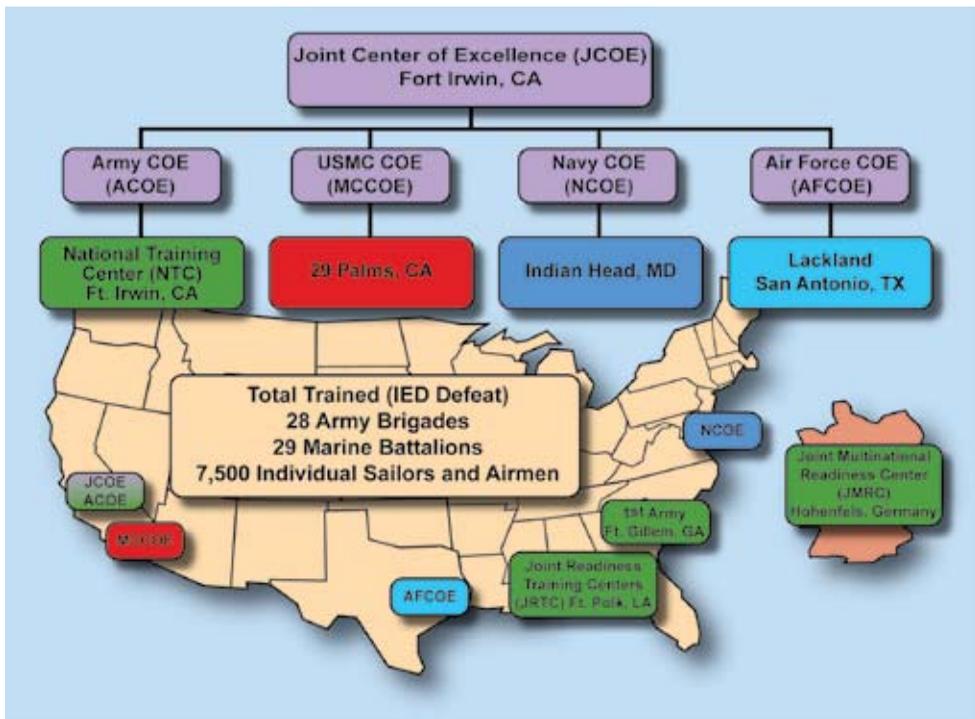
Testing: JIEDDO invested in the joint testing community. To ensure scheduling never delayed testing of critical new gear, JIEDDO doubled the throughput capacity of Yuma Proving Ground and brought China Lake on line for interoperability testing.

Train the Force

Joint Center of Excellence. Under JIEDDO's leadership, the JCOE headquarters achieved initial operational capability in the beginning of 2006. Each service followed suit by resourcing its subordinate elements of the JCOE over the course of the year. In 2006, the JCOE spent \$173 million supporting counter-IED training. In addition to programs at the combat training centers and across the joint training base, JCOE integrated WITs into mission rehearsals. JIEDDO also funded US Air Force convoy predeployment training, counter-IED mobile training teams to support home station training, and new equipment training for counter-IED systems. JCOE validated and propagated counter-IED TTPs and supported the development, testing, and fielding of new counter-IED equipment and concepts. During 2006, the JCOE trained a total of 28 Army brigades, 29 Marine battalions, and 7,500 individual augmentee Sailors and Airmen in counter-IED methods and tactics.

Training Initiatives

- Coalition Training. JIEDDO funded upgrades to training facilities and equipment in support of IED defeat training at US training centers in Europe and in theater. A total of 35 nations have received both individual and unit training by JIEDDO personnel at these facilities.



- Specialized Search Dog Teams. Through the DoD Military Working Dog Center, JIEDDO funded specialized counter-IED search dog team training that resulted in a 66% increase in dog teams from 2005.
- Electronic Warfare (EW) Training. To provide EW capability focused on CREW at every echelon, with advisors assigned from battalion to corps, a total of 626 personnel attended JIEDDO-funded electronic warfare training.

- **Knowledge and Information Fusion Exchange (KnIFE)**. A JIEDDO-funded website at Joint Forces Command provides a sanctioned venue for exchange of counter-IED data and lessons learned through continuous updates from theater, service schools and individual subject matter experts. KnIFE received more than half a million hits in its first six months.
- **Training Devices**. JIEDDO, the JCOE, and industry rapidly fielded over a thousand counter-IED training devices, including several cost-effective surrogate systems such as: Buffalo (produced in less than 50 days), surrogate jammers, and various types of IEDs to provide more realistic training and to facilitate better after action reviews. In use at Service Collective Training Centers in battalion and brigade force-on-force mission rehearsals, these surrogates give unit personnel the opportunity to train on gear that closely replicates the weapons our enemy uses as well as the equipment fielded to counter them.
- **Tactical Advisory Team (TAT)**. Provided to all soldiers and Marines through brigade level, TAT training is conducted by skilled operators from the Army Asymmetric Warfare Group with recent in-theater experience who provide instruction on current counter-IED TTPs. To date, JIEDDO has conducted a total of 223 seminars. Advanced Tactical Advisory Teams (ATAT) provide more comprehensive support by accompanying deploying forces into theater and providing advice and support to BCT and RCT commanders. ATAT support was provided to ten deploying BCT/RCTs during 2006.
- **Senior Mentor Program**. JIEDDO provides several retired senior general officers to mentor counter-IED organizations and warfighters and to conduct leader training in support of division commanders. These mentors guide unit senior leaders in understanding new counter-IED TTPs as well as provide valuable feedback to units during training and operations in the field.
- **Pre-Deployment Conferences**. To provide reach-back support training and comprehensive threat assessments, and to introduce new counter-IED capabilities prior to deployment, JIEDDO conducted several pre-deployment conferences with units rotating into theater.
- **Mission Readiness Exercises**. JIEDDO supported two mission readiness training exercises in 2006 in support of the 82nd Airborne and 1st Cavalry Divisions, providing similar support to the corps-level predeployment conferences.



Science and Technology (S&T)

In 2006, JIEDDO published the Counter-IED Science and Technology Strategy that defines how JIEDDO engages the national DoD S&T enterprise. JIEDDO also instituted several other critical initiatives to better coordinate S&T efforts across DoD. These include:

- Recruiting a Science Advisor to the Director to improve JIEDDO's engagement with the greater scientific and academic community.
- Publishing the following JIEDDO S&T Investment Horizons and Target Investment, which to date has resulted in 29 S&T projects including studies in traumatic brain injury phenomenology, and novel structures for armor.

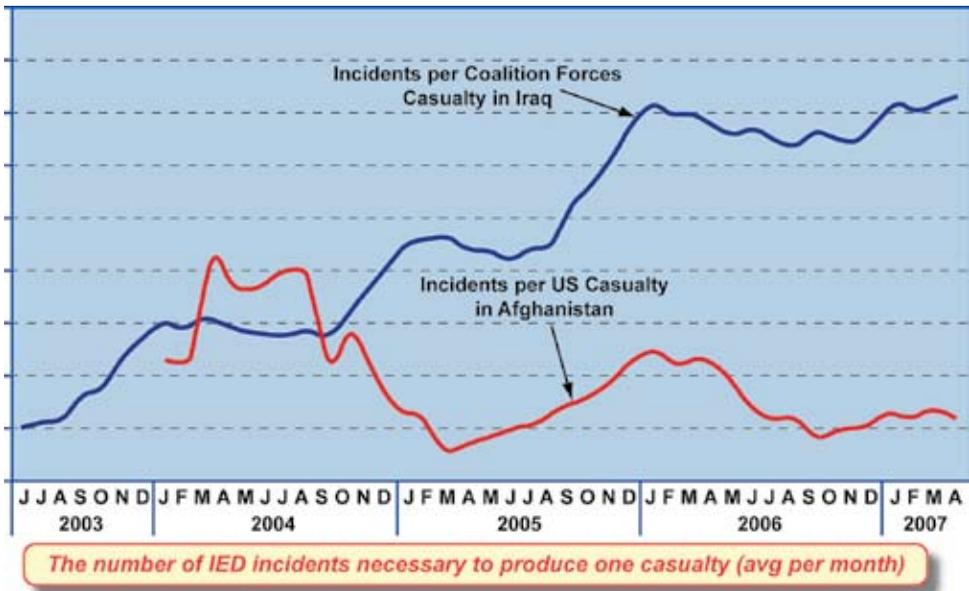
Investment Horizon	Target Investment
Near (\leq 1-year)	60%
Mid (1-3 years)	30%
Long (\geq 3 years)	10%

- Restructuring the Joint IED Defeat Laboratory Board as the JIEDDO Science Board to improve strategic-level science and technology efforts in support of rapidly emerging issues.
- Developing an aggressive finding network to engage the best and brightest minds. During 2006, JIEDDO engaged 258 companies and 15 universities in this effort. Outreach to the national scientific enterprise included: the National Academies, the JASON Defense Advisory Group, White House Fellows, Defense and Army Science Boards, Defense and National Laboratories, and the national industrial complex, including large, medium, small, and non-traditional businesses.

Wrap Up

While our enemies continue to improve their techniques, many of JIEDDO's responses and their use by units in the field have been successful. Over the last four years in Iraq, for instance, the incidence of IEDs has increased six-fold. Yet our defensive measures and unit competence have kept casualties relatively constant. In other words, our efforts have forced our opponents to work six times harder to achieve equivalent casualties. While not the solution we want, this pattern shows the effect of DoD's efforts. Continued success requires greater successes in linking attacks against the networks with our defenses against IEDs at the point of attack. Continued improvements in collective, force-on-force training at our Military Service training centers is vital to that effort, as is providing units fused intelligence products that allow them quickly to build targeting packages and move into surgically precise operations.

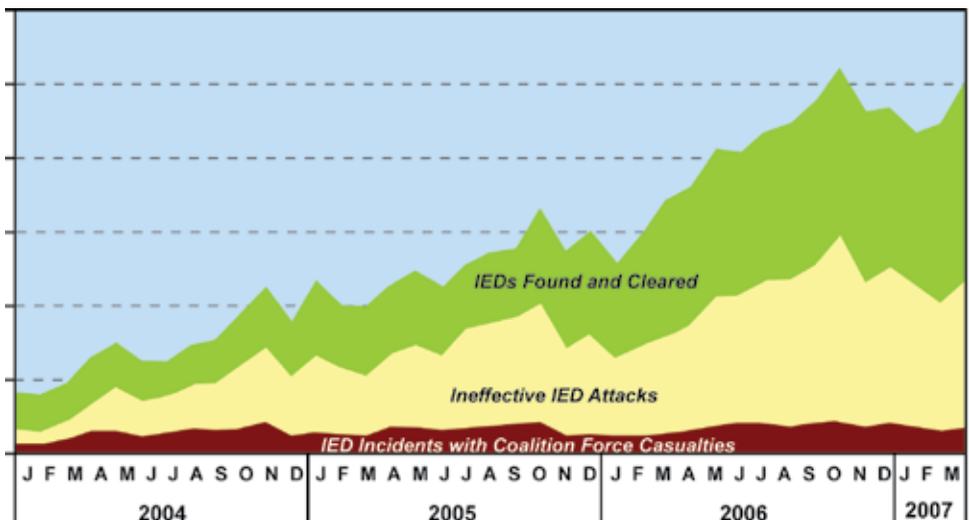
DoD Counter-IED Effectiveness Over Time



The chart above illustrates the trends in the number of IEDs the enemy must emplace to inflict a single casualty on coalition forces. DoD's counter-IED efforts have forced the enemy to increase his efforts significantly in order to inflict the same level of damage. In Iraq, where IEDs are employed far more often than in Afghanistan, this trend has been steady and dramatic.

The graphic below illustrates DoD's success in another way. It depicts total IED incidents over time. It is divided into three areas: green represents IEDs that are found and cleared by coalition forces before they detonate as planned by the enemy. The yellow represents IEDs that detonate without inflicting casualties. The red represents IEDs that detonate and cause casualties. As you can see, while the number of IEDs has increased six-fold since early 2004, the number of casualties on a monthly basis has remained constant. Improvements in technology and equipment, training, and battlefield tactics have led to this dramatic drop in the casualty rate.

Iraq IED Incident Trends



Way Ahead

Funding Strategy. In 2007, a sense of urgency continues to guide JIEDDO's efforts to shape and influence IED networks, disrupt their operations, and undermine their financiers and supply chains. The chart below shows JIEDDO's \$4.37 Billion execution plan for fiscal year 2007 and provides a comparison to 2006. While the majority of funding continues to support Defeat the Device initiatives in 2007, Attack the Network funding continues to increase, reflecting the shift to programs in support of offensive operations.

	Fiscal Year 2006		Fiscal Year 2007	
	\$ B	Percent	\$ B	Percent
Attack the Network	\$0.80	22%	\$1.34	31%
Defeat the Device	\$2.45	67%	\$2.63	61%
Train the Force	\$0.28	8%	\$0.30	7%
Staff & Infrastructure	\$0.10	3%	\$0.10	1%
	\$3.63		\$4.37	

Concept for 2007. This year provides significant new challenges. The National Command Authorities have initiated a surge in Iraq. Our enemies have accelerated their attacks in response. In Afghanistan, the Taliban continues to use his light infantry forces to conduct maneuver warfare into the provinces adjacent to Pakistan. Coalition operations have intensified in both theaters of war.

In the face of these intensified operations, the enemy continues to show his ability to employ new and more lethal tactics. To deploy new techniques for arming and initiating IEDS, the enemy continues to exploit the marketplace for information technology. JIEDDO must provide the insights to anticipate where the enemy will go and the countermeasures to make his innovations ineffective. However, defense at the point of attack is not sufficient. Initiating IEDs can be done in hundreds of ways. We must improve our capability to enable commanders in the field to take offensive action against IED networks. To achieve this goal in 2007, we will stress the following:

- Along with our efforts to provide units the defensive capabilities to limit the effects of triggered IEDs, we will push the tech base to provide better means for locating IEDs and destroying or disarming them before they detonate.
- We will continue to expand the capability to respond to commanders' requests in near real time with products that lead quickly to targeted operations against the networks that design, distribute, and deploy IEDs. We intend to improve this capability to the point that we can assist in fostering simultaneous attacks against several network nodes.
- We will use the insights gained from theater operations and our work at the COIC to enhance collective training at service training centers to make network attack a challenging, and achievable reality in mission rehearsal exercises.

In every thing we do, JIEDDO will assist in the development of capabilities that enable commanders in the field to seize the initiative from our enemies.

Acronyms

ATAT	Advanced Tactical Advisory Teams
BCT	Brigade Combat Team
CENTCOM	Central Command
CEXC	Combined Exploitation Cell
CITP	Counter-IED Targeting Program
CJTF	Combined Joint Task Force
COIC	Counter-IED Operations Integration Center
CREW	Counter Radio-Controlled Electronic Warfare
DoD	Department of Defense
EFP	Explosively Formed Projectile
EOD	Explosives Ordnance Disposal
EW	Electronic Warfare
HMMWV	High Mobility Multipurpose Wheeled Vehicle
IED	Improvised Explosive Devices
ISR	Intelligence, Surveillance, and Reconnaissance
JCAAMP	Joint IED Defeat Capability Approval and Acquisition Management Process
JCOE	Joint Center of Excellence
JERRV	Joint EOD Rapid Response Vehicle
JIEDDO	Joint Improvised Explosive Device Defeat Organization
KnIFE	Knowledge and Information Fusion Exchange
LEP	Law Enforcement Program
PTDS	Persistent Threat Detection System
RAID	Rapid Aerostat Initial Deployment
RCT	Regimental Combat Team
RECCE	Reconnaissance
TTPs	Tactics, Techniques, and Procedures
WITs	Weapons Intelligence Teams

Train the Force

Attack the Network

Defeat the Device



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