

FY09 OTA # W15QKN-09-9-0004 AWARDS

Award#	Program Title	Objective
W15QKN-09-RPP-0004-1	Research Area 2.1.2 Joint Situational Awareness System (JSAS) Prototype Process Development	The intent of Research Objective 2.1.2 is to determine requirements and facilitate the way forward to moderate/reduce threats to the security of the Port of New York and New Jersey by enabling collaboration, resource sharing and scheduling, data management, and information sharing.
W15QKN-09-RPP-0004-2	Information Sharing across States' Incident Management Systems using UICDS	The purpose of this project is to investigate the issue of enabling information sharing and interoperability among the different the incident management applications and systems used by the various state, county, and local agencies within New Jersey and the neighboring states. For this purpose, we will adopt the Unified Incident Command and Decision Support (UICDS) standards and protocols.
W15QKN-09-RPP-0004-3	¶2.3.2: Wyoming Valley Integrated Command Operations Program (ICOP)	The purpose of this project is to design and implement an Integrated Command Operations Program (ICOP) within the Wyoming Valley Region and surrounding counties of Pennsylvania. The systems-of-systems framework that is established will integrate with parallel Project National Shield (PNS) programs, guarding against man-made and natural hazards and responding to national threats.
W15QKN-09-RPP-0004-4	¶2.3.3: Regional Integrated Command Center (RICC) – Region 13 Homeland Defense Research and Development	The purpose of this project is to provide regional communications that establish improved situational awareness, mitigate incidents and support proactive defensive operations between multiple layers of government. The Regional Integrated Command Center (RICC) program completes and builds upon research and development efforts already initiated for the Southwestern Pennsylvania Regional Counterterrorism Task Force (Region 13).
W15QKN-09-RPP-0004-5	Project National Shield Integration Center (PNSIC)	The purpose of this project is to respond to the specific Technology Integration research area, 2.3.1 Project National Shield (PNS) Integration Center (IC). The project is focused on providing state-of-the-art intelligence integration through data coordination and analysis capabilities for disaster “early warning” and recovery needs.
W15QKN-09-RPP-0004-6	Development of Knowledge Management Portfolio System	This project will provide a prototype Knowledge and Portfolio Management System (KPMS) to enhance the ability of technical, management, and administrative staff with planning, executing, managing, collaborating, and reporting on projects spanning its diverse array of activities and technologies.
W15QKN-09-RPP-0004-7	Improvised Explosive Device Identification	The purpose of this project is to quickly enhance/modify working formulations of the Substance Activated Fast Evaluation Technology (SAFE-T®) Fluid. The fluid will provide a definitive and unique colorimetric detection of Ammonium Nitrate (AN).
W15QKN-09-RPP-0004-8	Optical Detection System Development	The purpose of this project is to extend critical protection to field responders, civil authorities, and the public by detecting the presence and location of a shooter prior to shots being fired. Research and development of new optical design technologies and innovative adaptation of existing detection systems is required to meet the Government's Home Land Defense (HLD) mission

FY09 OTA # W15QKN-10-9-0007 AWARDS

Contractor	Program Title	Objective
W15QKN-10-9-0007-9	Laser-Based Standoff Detection of Explosive Residues	The purpose of this project is for the Acoustics and Networked Sensors Division (ANSD) to jointly conduct a series of experiments to elucidate the physics and chemistry behind Laser Induced Acoustics (LIA), a new technology for standoff detection of improvised explosive devices (IED's).
W15QKN-10-9-0007-10	Tunnel Detection Based on Passive Magnetic Field Sensing Technology	The purpose of this project is to investigate a concept for a tunnel detection system based on innovative electric and magnetic field sensing technology, associated electronics and proprietary processing algorithms.
W15QKN-10-9-0007-11	Tunnel and Detonation Wire Detection	The purpose of this project is to develop new and effective technologies to discover tunnels and detonation wires to help preserve the lives of war fighters.
W15QKN-10-9-0007-12	Vehicle Mounted NQR Sensor for Ammonium Nitrate Detection	The purpose of this proposal is for developing and demonstrating a prototype NQR detection system for the detection of a buried or concealed Ammonium Nitrate Improvised Explosive Devices (IEDs).
W15QKN-10-9-0007-13	Project National Shield Integration Center (PNSIC) Phase II	The purpose of this project is to respond to the specific Command Center Technology Development research area, 2.2.2 Project National Shield (PNS) Integration Center (IC).
W15QKN-10-9-0007-14	Common Analytical Laboratory System (CALs) System Integration Laboratory Communications Effort	The Joint Product Manager Consequence Management (JPdM CM) is currently in the process of establishing a CALs Systems Integration Laboratory (SIL) and its corresponding communication effort in order to gain an early understanding of some of the program's communications and information management system challenges.
W15QKN-10-9-0007-15	20-zone "Newton" Thermal Manikin and Elliptical Walking Motion Device with Automatic Sit-Stand-Walk Mechanism	The purpose of this project is to design/develop a prototype articulated thermal manikin system with metabolic control and an automatic, computer controlled sit-stand-walk motion sequence capability that together will provide a realistic, repeatable, and safe method for simulating the thermal signature of a human form wearing live powder explosive vests (Personnel Bourne Explosive Detection).
W15QKN-10-9-0007-16	Phase 2 RDX Detection	The purpose of this project is to enhance/modify working formulations of the Substance Activated Fast Evaluation Technology (SAFE-T®) Fluid formulation to detect RDX.