**Federal Emergency Management Agency**
**U.S. Department of Homeland Security**

# FY 2012 HSGP Investment Justification

# DC - National Capital Region Urban Area

## Portofolio Information

**Portfolio - Overall Investment Justification**
**Describe how the spectrum of terrorism and natural hazard risks that the State/Territory/Urban Area faces influenced the development of this Investment Justification to include all Investments.**

The National Capital Region (NCR) is the home to all three branches of the country's government, which makes it a singularly significant and attractive target for international or domestic terrorist attack both for symbolic reasons and the potential impact on key infrastructure and the federal government's ability to function. The NCR also has over 4.5 million residents in a densely populated area, particularly in the core jurisdiction of the District of Columbia. Many of these people are involved in industries that support key functions of the federal government, and many of the key resources and critical infrastructure in the region are essential to the federal government's ability to function normally. Therefore any major incident in the NCR would not only have potentially devastating consequences locally but it would also have a national impact both physically, economically and psychologically.

The NCR faces challenges of overlapping authority and jurisdiction due to the presence of numerous federal entities as well as the state, local and municipal entities in the region. The NCR's Investments are targeted at preventing acts of terrorism, mitigating consequences and ensuring that the response capabilities in the region are sufficient to support the whole community and regional infrastructure.

## Portofolio Information

**Identify the amount and percentages of funding that will be dedicated to Management and Adminstration expenditures.**

| Program | Total of Investments | M&A Amount | Percent | Total Requested |
|---|---|---|---|---|
| UASI | $49,247,076 | $2,591,951 | 5% | $51,839,027 |

# Investment #1

## Investment Information - Investment #1

**Investment Name:**     Public Safety Communications Support

**Investment Phase:**     Ongoing

**Multi-Applicant Investment:**     No

## I. Overview - Investment #1

**If the Investment is ongoing, identify up to three Investment(s) from prior year(s) to include:(FY 2008 - FY 2011)**

Note: Applicants may select up to **three** Investments. Within the GRT, applicants will *only* have the ability to select previously funded Investments from a drop-down menu.

| Year | Investment Name | HSGP Funding Amount |
|------|-----------------|---------------------|
| 2010 | Communications | $15,055,315.00 |
| 2011 | Data Sharing | $11,488,132.00 |
| 2009 | Interoperable Systems Integration | $4,708,334.00 |

**I.C. - Funding Program**

| Program | Funding Amount |
|---------|----------------|
| UASI | $3,686,366 |

**I.D - Capabilties Building**

Maintaining existing capabilitise.

**I.E - Investment description**

**Provide a description of this Investment, including the planning, organization, equipment, training, and/or exercises that will be involved. (2,500 char. max)**

The purpose of this Investment is to enhance the voice and data communications capability of first responder agencies in the National Capital Region (NCR).

A large portion of this Investment is in data-sharing capabilities for first responders: services, software and equipment necessary for creating and hosting data sharing applications and upgrading or modifying existing computer systems to enable the export and import of data between systems. This includes funding to sustain the National Capital Region Network (NCRNet) that connects jurisdiction-operated fiber networks throughout the region. The NCRNet allows local jurisdictions to run common software applications on a connected network and exchange data in a shared environment. In addition to these network maintenance costs, the region will also use funds to support the transition of additional regional public safety applications onto the NCRNet. The region will also connect the Metropolitan Washington Airports Authority (MWAA), which operates Dulles and National airports, to the NCRNet which will allow more efficient, flexible and secure data exchange between MWAA and local jurisdictions.

The increased use of common networks means that the region will also need to revise cybersecurity policies in the state and local jurisdictions in the NCR. This investment will fund an analysis of current cybersecurity policies and capabilities and will develop a regional cybersecurity framework for the NCR.

This investment will consolidate wireless data services in the D.C. Fire and Emergency Medical Services (DC FEMS) department by installing wireless data access points in 240 DC FEMS vehicles; this approach will reduce the number of separate wireless data access service charges that disparate mobile devices currently require and will serve as a model for other jurisdictions in the region.

This Investment will also continue to sustain the region's radio cache of 1,250 portable radios that are available for deployment anywhere in the region. The ongoing costs include updating channel programming, checking equipment and replacing expired units. It will also support equipment upgrades to local public safety radio systems.

## II. Baseline - Investment #1

### II.A - Goals and Objectives

**Identify the goals and objectives in your State and/or Urban Area Homeland Security Strategy Supported by this Investment. (1,500 char. max)**

This Investment supports NCR Strategic Plan Goal 1 "Enhance Interoperable Communications Capabilities," Objectives 1.1 "Ensure response partners can communicate by voice in all environments and on a day-to-day basis" and 1.2 "Ensure response partners can communicate and share necessary, appropriate data in all environments and on a day-to-day basis."

The Investment supports the region's voice communications goals through the ongoing maintenance of the NCR radio cache and some additional upgrades to local jurisdiction radio systems.

The Investment also supports the region's data communications goals by continuing operations support for the NCRNet, adding more public safety applications to the NCRNet, expanding the NCRNet to include regional airports, enhancing cyber-security policies and procedures in the region and also by enabling wireless data access in first-responder vehicles.

### II.B - Existing capability levels

**Describe existing capability levels that address the identified goals/objectives and what will be in place to support the investment <u>prior</u> to the use of FY 2012 funds. (1,500 char. max)**

Currently all of the primary 8 local jurisdictions in the NCR (and several smaller municipalities as well) have locally owned and operated government fiber networks that are connected to each other through the NCRNet. By connecting the local jurisdiction networks the NCRNet also provides a link back to the Virginia and Maryland statewide networks. There are several region-wide public safety data sharing applications that use this direct connection, including jurisdiction-to-jurisdiction sharing of Computer Automated Dispatch (CAD) data. The NCRNet has enhanced its cyber-security resilience in recent years with technology but there is not a comprehensive region-wide cyber-security policy in place that addresses the increasing inter-connected nature of regional applications.

The region currently has a cache of 1,250 radios that can be distributed to incoming mutual aid response entities during an event. These radios are maintained in three deployable caches around the region. The current hardware capabilities include the ability to connect seamlessly to 14 NCR law enforcement and Fire/Rescue 800 MHz trunked radio systems. The region also has the ability to create local-area radio repeater networks leveraging five national 800 MHz public safety frequencies. This Investment will support the maintenance and upkeep of this cache.

### II.C - Capability gap(s)

**Explain the capability gap(s) that this Investment is intended to address. (1,500 char. max)**

Although the local jurisdictions in the NCR are connected via the NCRNet, some major non-government partners are not and the most significant of which is the Metropolitan Washington Airports Authority (MWAA) that operates the region's two major airports (Dulles and National).

The NCRNet itself was created using UASI funds and the ongoing maintenance and operations of the NCRNet connections requires funding. The local jurisdictions are developing a long-term sustainment funding plan but the region will need to use UASI grants for the next 2-3 years before the local jurisdictions can work it into their budgets. The NCRNet is used to host several major regional applications but the local jurisdictions need to transition more applications to the NCRNet to improve operations and also to support a subscriber-model for funding. Increased use of the NCRNet requires additional cyber-security policies and planning and current state and local policies and plans need to be revised in a regional context.

The NCR Radio Cache requires regular maintenance and occasional channel reprogramming and this work will be funded by the 2012 UASI grant.

Wireless data connection service costs are rapidly rising as more and more mobile devices are used by first responders; in order to contain these costs and enhance quality and reliability the NCR is piloting a project to create localized wireless data connections in 240 first responder vehicles.

**Core Capability 1:** Cybersecurity
**Core Capability 2:** Operational Communications
**Core Capability 3:** Operational Coordination

**I.C. - Funding Program**

| Program | Funding Amount |
|---|---|
| UASI | $3,686,366 |

**IV.B - Fusion Center:**
**Please note that all fusion center-related funding requests must be consolidated into a single Investment per funding source (e.g., SHSP, UASI) in which recognized fusion centers reside.**
No

**If applicable, how much of this Investment will be obligated towards Law Enforcement Terrorism Prevention Activities (LETPA):** $410,256

| Core Capability | Amount of Proposed Funding | Percent of Proposed Funding |
|---|---|---|
| Cybersecurity | $410,256 | 11.13% |
| Operational Communications | $2,626,110 | 71.24% |
| Operational Coordination | $650,000 | 17.63% |
| **Total** | **$3,686,366** | **100%** |

| Solution Area | Amount of Proposed Funding | Percent of Proposed Funding |
|---|---|---|
| Planning | $1,076,258 | 29.2% |
| Organization | | |
| Equipment | $2,610,108 | 70.8% |
| Training | | |
| Exercises | | |
| **Total** | **$3,686,366** | **100%** |

| # | Name | Description | Step | Start (mm/yyyy) | End (mm/yyyy) | Funding Amount |
|---|---|---|---|---|---|---|
| 1 | Radio Cache | Radio Cache | Execution | 10/2012 | 09/2014 | $793,502 |
| 2 | ICI Sustainment | ICI Sustainment | Execution | 10/2012 | 09/2014 | $740,000 |
| 3 | Incorporate MWAA to NCR NET | Incorporate MWAA to NCR NET | Execution | 10/2012 | 09/2014 | $723,000 |
| 4 | DC FEMS Data Consolidation | DC FEMS Data Consolidation | Execution | 10/2012 | 09/2014 | $650,000 |
| 5 | NCR Cyber Enterprise Security Framework Development | NCR Cyber Enterprise Security Framework Development | Execution | 10/2012 | 09/2014 | $410,256 |
| 6 | Prince George's County Radio System Upgrades | Prince George's County Radio System Upgrades | Execution | 10/2012 | 09/2014 | $369,608 |

**IV.G - Does this investment require new construction or renovation, retrofitting, or modification of existing structures?**
No

**V.A - Outcomes to be achieved**

**Describe the outcomes that will be achieved as a result of this Investment. The outcomes should demonstrate improvement towards building capabilities described in Baseline tab. (1,500 char max)**

This Investment will sustain and improve core aspects of the NCR's voice and data interoperable communications capabilities.

The NCRNet will be expanded to include the MWAA which is a key regional security partner. The region will also add more regional applications to the NCRNet to enhance its use and value. The NCR will also revise and improve regional cyber-security policies and plans to address the constantly changing cyber-threat picture and to deal with the increased inter-connectivity that the NCRNet provides.

This investment will also ensure that the NCR's radio cache will be maintained for the next 24 months and all equipment will be appropriately serviced and kept ready for deployment in a disaster.

The NCR will also use this Investment of 2012 UASI funds to take a major step forward in addressing the rapidly increasing needs of first responders for reliable and high-speed wireless data access in the field by installing 240 wireless data access points in first responder vehicles which will lead to improved performance and long-term cost savings.

(End of Investment #1.)

# Investment #2

**Investment Name:**          Intelligence Fusion Center Support

**Investment Phase:**          Ongoing

**Multi-Applicant Investment:**          No

## I. Overview - Investment #2

**If the Investment is ongoing, identify up to three Investment(s) from prior year(s) to include:(FY 2008 - FY 2011)**

Note: Applicants may select up to **three** Investments. Within the GRT, applicants will *only* have the ability to select previously funded Investments from a drop-down menu.

| Year | Investment Name | HSGP Funding Amount |
|------|-----------------|---------------------|
| 2008 | 1. Law Enforcement and Information Sharing | $14,884,730.00 |
| 2010 | Intelligence Analysis | $4,777,495.00 |
| 2009 | Law Enforcement Information Sharing | $9,037,451.00 |

### I.C. - Funding Program

| Program | Funding Amount |
|---------|----------------|
| UASI | $3,937,732 |

### I.D - Capabilties Building

Maintaining existing capabilitise.

### I.E - Investment description

**Provide a description of this Investment, including the planning, organization, equipment, training, and/or exercises that will be involved. (2,500 char. max)**

This investment sustains the intelligence analysis support provided to the DHS recognized intelligence fusion centers in the National Capital Region (NCR). The majority of this investment consists of organizational costs for intelligence analyst positions. The NCR supports intelligence analysts in fusion centers in the District of Columbia as well as additional positions in the neighboring state fusion centers in Maryland and Virginia that are dedicated to handling NCR related information and dealing with the local law enforcement entities in the Maryland and Virginia portions of the NCR. This investment will continue funding for a total of 21 existing intelligence analyst positions and will add one new position dedicated to providing relevant information to fire service entities in the Maryland jurisdictions of the NCR (DC and VA already have one such position). This investment will also purchase computer equipment and software to refresh and enhance existing data analysis capabilities in the regional intelligence fusion centers.

This Investment will be conducted in coordination with the District of Columbia State Homeland Security Program Investment 1 Fusion Center Sustainment.

## II. Baseline - Investment #2

### II.A - Goals and Objectives

**Identify the goals and objectives in your State and/or Urban Area Homeland Security Strategy Supported by this Investment. (1,500 char. max)**

This Investment supports NCR Homeland Security Strategy Goal 2 "Enhance Information Sharing and Situational Awareness" Objective 2.3 "Improve the NCR's ability to collect, analyze, share and integrate intelligence and law enforcement information" by providing continued support for intelligence analyst positions as well as improving computer hardware and software equipment. In order to provide a truly regional capability the NCR supports dedicated intelligence analyst positions in DC as well as other fusion centers that serve portions of the NCR.

## II.B - Existing capability levels

**Describe existing capability levels that address the identified goals/objectives and what will be in place to support the investment <u>prior</u> to the use of FY 2012 funds. (1,500 char. max)**

The NCR has 4 different state and local intelligence fusion centers that deal with NCR related issues. The Washington Regional Threat and Anlysis Center, the Northern Virginia Regional Intelligence Center, the Maryland State Fusion Center and the Virginia State Fusion Center all have responsibility for intelligence analysis and data collection for the NCR. The region's fusion centers were all rated above average by DHS/FEMA on their annual assessment of core operational capacities (DC=71.8/100; MD-67.7/100; VA=87.2/100; Northern Virginia=80/100; average =65.7/100).

The NCR currently funds 21 intelligence analysts who receive local, state and federal information that is relevant to the NCR and produce analytical products for the use of law enforcement, leadership and other relevant stakeholders throughout the region. Currently 2 of these analysts are dedicated to dealing with information for the fire service agencies in DC and Virginia, which has proven to be a valuable focus-area as the information needs of the fire service agencies are somewhat different from those of the law enforcement departments.

## II.C - Capability gap(s)

**Explain the capability gap(s) that this Investment is intended to address. (1,500 char. max)**

The region's intelligence fusion centers currently operate at a high level and are mainly in need of a continued level of funding for their intelligence analyst positions, as this is the highest cost in their budgets and one that is not easily absorbed into local/state operating budgets. If UASI funding for intelligence analyst positions is sustained, the region's intelligence fusion centers will continue to operate at a high level. The Maryland fusion center does not have a fire-service dedicated intelligence analyst dealing with the Maryland jurisdictions in the NCR, which amounts to about a third of the population and uniformed fire/EMS responders. The positive implementation of a fire-service analyst in DC and Virginia has pointed to this gap as a high priority and this investment will complete that regional capability. Finally some of the existing IT infrastructure in the fusion centers is nearing the end of its useful lifespan and some analytical software licenses are expiring. This investment will provide a modest amount of funds to refresh IT system elements and renew software licenses.

**Core Capability 1:**     Intelligence and Information Sharing

**I.C. - Funding Program**

| Program | Funding Amount |
|---|---|
| UASI | $3,937,732 |

**IV.B - Fusion Center:**
**Please note that all fusion center-related funding requests <u>must be consolidated into a single Investment per funding source</u> (e.g., SHSP, UASI) in which recognized fusion centers reside.**
Yes

**If applicable, how much of this Investment will be obligated towards Law Enforcement Terrorism Prevention Activities (LETPA):** $3,937,732

| Core Capability | Amount of Proposed Funding | Percent of Proposed Funding |
|---|---|---|
| Intelligence and Information Sharing | $3,937,732 | 100% |
| **Total** | **$3,937,732** | **100%** |

| Solution Area | Amount of Proposed Funding | Percent of Proposed Funding |
|---|---|---|
| Planning | | |
| Organization | $3,837,732 | 97.5% |
| Equipment | $100,000 | 2.5% |
| Training | | |
| Exercises | | |
| **Total** | **$3,937,732** | **100%** |

| # | Name | Description | Step | Start (mm/yyyy) | End (mm/yyyy) | Funding Amount |
|---|---|---|---|---|---|---|
| 1 | Fusion Center Analysts Sustainment | Fusion Center Analysts Sustainment | Execution | 10/2012 | 09/2014 | $3,239,247 |
| 2 | Additional Analysts for State Fusion Centers | Additional Analysts for State Fusion Centers | Execution | 10/2012 | 09/2014 | $402,735 |
| 3 | Fusion Center Fire Analyst for MCAC | Fusion Center Fire Analyst for MCAC | Execution | 10/2012 | 09/2014 | $195,750 |
| 4 | Fusion Center IT Support | Fusion Center IT Support | Execution | 10/2012 | 09/2014 | $100,000 |

**IV.G - Does this investment require new construction or renovation, retrofitting, or modification of existing structures?**
No

### V.A - Outcomes to be achieved

**Describe the outcomes that will be achieved as a result of this Investment. The outcomes should demonstrate improvement towards building capabilities described in Baseline tab. (1,500 char max)**

This Investment will enable the NCR's fusion center partners (DC, Maryland, Virginia, Northern Virginia) to continue their current intelligence fusion and analysis operations at their current high level of capability. The 22 total intelligence analyst positions (including the new fire analyst position in Maryland) will also work with the fusion center directors and stakeholders to improve the core operational capabilities identified in DHS/FEMA's annual assessment of fusion centers. As a result the intelligence fusion centers in the NCR will be better able to receive information from federal state and local sources and turn it into useful, timely and actionable intelligence for the use of leadership, law enforcement, fire service and other public health and safety stakeholders throughout the region.

(End of Investment #2.)

# Investment #3

## Investment Information - Investment #3

**Investment Name:**  Law Enforcement Terrorism Prevention

**Investment Phase:**  Ongoing

**Multi-Applicant Investment:**  No

## I. Overview - Investment #3

**If the Investment is ongoing, identify up to three Investment(s) from prior year(s) to include:(FY 2008 - FY 2011)**

Note: Applicants may select up to **three** Investments. Within the GRT, applicants will *only* have the ability to select previously funded Investments from a drop-down menu.

| Year | Investment Name | HSGP Funding Amount |
|------|-----------------|---------------------|
| 2011 | Law Enforcement Information Sharing | $6,629,325.00 |
| 2010 | Information Sharing | $8,346,003.00 |
| 2009 | Law Enforcement Information Sharing | $9,037,451.00 |

**I.C. - Funding Program**

| Program | Funding Amount |
|---------|----------------|
| UASI | $6,587,245 |

**I.D - Capabilties Building**

Maintaining existing capabilitise.

**I.E - Investment description**

**Provide a description of this Investment, including the planning, organization, equipment, training, and/or exercises that will be involved. (2,500 char. max)**

This Investment will sustain and expand the National Capital Region's (NCR) law enforcement efforts to prevent and protect the region from potential acts of terrorism. The Investment will expand the region's use of automated license plate recognition (ALPR) technology to several additional high-traffic-volume roads in order to increase law enforcement's ability to detect wanted vehicles of interest and take appropriate action. The Investment also includes planning and design funds to develop an integration between existing CCTV cameras and the ALPR network to automatically provide available CCTV video of locations near specific ALPR detection incidents.

This Investment will provide sustainment funding to the NCR's Law Enforcement Information Exchange (LInX) and Automated Fingerprint Identification System (AFIS) which were developed with UASI grant funds. LInX allows multi-agency and multi-jurisdiction police records sharing and searching for law enforcement officers. AFIS automates the scanning , recording and exchange of fingerprints collected by law enforcement. This investment will provide ongoing support for software licenses, vendor repair and maintenance of hardware, replacement of equipment and program oversight and management.

This Investment will also enhance the region's Critical Infrastructure Protection (CIP) program through the development and implementation of an improved CIP information database and exchange that will allow the local jurisdictions and states in the region to access and retrieve CIP information in a more flexible online platform that can be customized and associated with other geographic information system (GIS) data. The Investment will also provide a staff support position for regional CIP coordination.

This Investment will be conducted in coordination with the District of Columbia State Homeland Security Grant Program Investment 3 Automated License Plate Recognition.

## II.A - Goals and Objectives

**Identify the goals and objectives in your State and/or Urban Area Homeland Security Strategy Supported by this Investment. (1,500 char. max)**

This Investment supports NCR Homeland Security Strategy Goal 2 "Enhance Information Sharing and Situational Awareness", Objective 2.3 "Improve the NCR's ability to collect, analyze, share and integrate intelligence and law enforcement information" by providing law enforcement with tools to collect and share information through LInX, AFIS, additional license plate readers and integrating the license plate readers with existing CCTV cameras. In addition it supports Goal 3 "Ensure the protection and resilience of critical infrastructure...", Initiative 3.1.3 "Develop and implement a plan for sharing CIP information among public and private entities throughout the NCR" by improving regional access to CIP data and supporting the coordination of regional CIP efforts.

## II.B - Existing capability levels

**Describe existing capability levels that address the identified goals/objectives and what will be in place to support the investment <u>prior</u> to the use of FY 2012 funds. (1,500 char. max)**

The NCR's LInX and AFIS systems have been in place for a number of years and are heavily used by local law enforcement agencies every day. Over 120 local, state and federal law enforcement agencies have access to the NCR's LInX system, which also connects to the Baltimore, Maryland and Hampton Roads, Virginia urban areas. The 8 primary local jurisdictions in the NCR all have access to AFIS which has a database of almost 2 million records to date. The NCR built out a regional network of license plate readers (primarily mobile, with some fixed sites) with 2008 and 2011 UASI funds that will be sustained and expanded to several new fixed sites with this Investment. The current ALPR devices are networked regionally so all data can be shared. The three states within the NCR footprint (DC, Maryland, Virginia) have their own CIP databases (and have a significant amount of site data in the DHS/FEMA ACAMS system), but these databases are not easy to deal with, cannot share information with each other, and are not set up to export data to other viewing or analytical applications.

## II.C - Capability gap(s)

**Explain the capability gap(s) that this Investment is intended to address. (1,500 char. max)**

The current levels of capability for the NCR LInX and AFIS systems are sufficient and these regional programs are in sustainment mode. This investment funds the continued operation cost for these critical systems. The automated license plate reader (ALPR) program is still being built out and currently there are many major transportation arteries around the region that do not have a fixed installation of ALPR providing 24/7 coverage. This investment addresses this need at several sites, but additional installations will be needed in future years to complete the coverage desired. There is no current capability to integrate the ALPR detectors with existing CCTV cameras that are in the same area. That means that if an ALPR "wanted" license plate is detected by one of the fixed monitors there would not be any easy way for a remote monitor to tune into CCTV cameras in the area to see where the wanted vehicle is or where it is going. This capability would have to be designed and developed by the NCR as a pilot. The current FEMA CIP database (ACAMS) is intended to be a repository of CIP site data, but it is of limited use to the local jurisdictions and around the region. It is difficult to share CIP information between DC, Maryland and Virginia through ACAMS or with the local county agencies. There is a clear need for a data-sharing system to pull information out of ACAMS and share regionally between states and with law enforcement.

**Core Capability 1:**   Forensics and Attribution
**Core Capability 2:**   Intelligence and Information Sharing
**Core Capability 3:**   Interdiction and Disruption
**Core Capability 4:**   Long-term Vulnerability Reduction
**Core Capability 5:**   Risk Management for Protection Programs and Activities
**Core Capability 6:**   Screening, Search, and Detection
**Core Capability 7:**   Threats and Hazard Identification

**I.C. - Funding Program**

| Program | Funding Amount |
|---|---|
| UASI | $6,587,245 |

**IV.B - Fusion Center:**
**Please note that all fusion center-related funding requests <u>must be consolidated into a single Investment per funding source</u> (e.g., SHSP, UASI) in which recognized fusion centers reside.**
No


**If applicable, how much of this Investment will be obligated towards Law Enforcement Terrorism Prevention Activities (LETPA):** $6,587,245

| Core Capability | Amount of Proposed Funding | Percent of Proposed Funding |
|---|---|---|
| Forensics and Attribution | $1,100,000 | 16.7% |
| Intelligence and Information Sharing | $2,750,000 | 41.75% |
| Interdiction and Disruption | $1,168,622 | 17.74% |
| Long-term Vulnerability Reduction | $25,000 | 0.38% |
| Risk Management for Protection Programs and Activities | $350,000 | 5.31% |
| Screening, Search, and Detection | $1,168,623 | 17.74% |
| Threats and Hazard Identification | $25,000 | 0.38% |
| **Total** | **$6,587,245** | **100%** |

| Solution Area | Amount of Proposed Funding | Percent of Proposed Funding |
|---|---|---|
| Planning | $700,000 | 10.6% |
| Organization | $634,645 | 9.6% |
| Equipment | $5,252,600 | 79.7% |
| Training | | |
| Exercises | | |
| **Total** | **$6,587,245** | **100%** |

| # | Name | Description | Step | Start (mm/yyyy) | End (mm/yyyy) | Funding Amount |
|---|---|---|---|---|---|---|
| 1 | NCR Law Enforcement License Plate Recognition Project | NCR Law Enforcement License Plate Recognition Project | Execution | 10/2012 | 09/2014 | $1,200,000 |
| 2 | LPR Units for DC Department of Public Works | LPR Units for DC Department of Public Works | Execution | 10/2012 | 09/2014 | $327,600 |
| 3 | LInX and RAPID Maintenance | LInX and RAPID Maintenance | Execution | 10/2012 | 09/2014 | $1,450,000 |
| 4 | NCR AFIS Maintenance | NCR AFIS Maintenance | Execution | 10/2012 | 09/2014 | $2,200,000 |
| 5 | NCR Critical Infrastructure Database Implementation | NCR Critical Infrastructure Database Implementation | New | 10/2012 | 09/2014 | $350,000 |
| 6 | Networking CCTV and LPR | Networking CCTV and LPR | New | 10/2012 | 09/2014 | $1,009,645 |

| | 7 | CIP Program Director for MEMA | CIP Program Director for MEMA | Execution | 10/2012 | 09/2014 | $50,000 |

**IV.G - Does this investment require new construction or renovation, retrofitting, or modification of existing structures?**
No

**V.A - Outcomes to be achieved**

**Describe the outcomes that will be achieved as a result of this Investment. The outcomes should demonstrate improvement towards building capabilities described in Baseline tab. (1,500 char max)**

This Investment will support ongoing operations of two critical pieces of regional law enforcement information sharing and anti-terrorism prevention technology, the Law Enforcement Information Exchange (LInX) and the region's Automated Fingerprint Identification System (AFIS). The funding in this Investment will support those two systems through the end of the grant period of performance in the summer of 2014. At that point there is a strong likelihood that the local police departments will be able to assume some or all of the cost of maintaining these systems.

The Investment will also result in a significant step forward in the region's Automated License Plate Reader (ALPR) network which will allow law enforcement agencies to identify and interdict vehicles that are listed on "wanted" lists generated by DHS, the Intelligence Fusion Centers or local law enforcement agencies. In addition by integrating the ALPR's with existing CCTV cameras an officer would be able to notice a hit on the ALPR system and automatically pull up real-time video of the scene and surrounding area.

Finally the region's CIP stakeholders will be able to view and share their CIP data in a more useful and multi-purpose manner as a result of this Investment. It will create a flexible platform to pull in CIP data from ACAMS as well as from other data sources and provide it to other modeling or visualization tools currently in use in the region.

(End of Investment #3.)

# Investment #4

## Investment Information - Investment #4

**Investment Name:**          Public Information and Preparedness

**Investment Phase:**         Ongoing

**Multi-Applicant Investment:**   No

## I. Overview - Investment #4

**If the Investment is ongoing, identify up to three Investment(s) from prior year(s) to include:(FY 2008 - FY 2011)**

Note: Applicants may select up to **three** Investments. Within the GRT, applicants will *only* have the ability to select previously funded Investments from a drop-down menu.

| Year | Investment Name | HSGP Funding Amount |
|------|-----------------|---------------------|
| 2008 | 5. Public Disaster Response | $8,068,179.00 |
| 2011 | Citizen Preparedness and Volunteer Management | $2,192,040.00 |
| 2010 | Public Preparedness | $3,953,368.00 |

**I.C. - Funding Program**

| Program | Funding Amount |
|---------|----------------|
| UASI | $2,679,217 |

**I.D - Capabilties Building**

Maintaining existing capabilitise.

**I.E - Investment description**

**Provide a description of this Investment, including the planning, organization, equipment, training, and/or exercises that will be involved. (2,500 char. max)**

This investment sustains and enhances the National Capital Region's (NCR) existing capabilities to provide emergency information to the public, involve the community in emergency preparedness and response activities, and train and educate citizens in emergency preparedness.

This Investment in public information and alerts will sustain the NCR's emergency alert notification system. The text alert system allows local jurisdictions in the NCR to send out email and text message alerts to residents who sign up to receive these messages. The NCR jurisdictions use this system on a regular basis to send out warnings and updates on incidents. Sustainment costs include replacing servers and software licensing fees.

The NCR will also sustain its existing 211 website (211metrodc.org) and phone service that provides information to the public on available government and non-governmental services that are available to assist in recovering from a disaster. This Investment will increase capacity of existing NCR 211 call centers and will deliver coordinated, fast, reliable, and actionable information to more than five million residents. Using clear, consistent, accessible and culturally and linguistically appropriate methods to ensure post-incident recovery assistance, the 211 services can reach the near 10% of the population who are deaf or hearing impaired.

In addition to providing public information, this Investment will also expand volunteer recruitment and training efforts in the NCR. This initiative will employ professional volunteer managers in each of the eight local jurisdictions to recruit 3,750 volunteers to bolster the available number of trained, ready volunteers to 21,250 volunteers, as well as conduct community training and education.

Finally, this Investment will enhance and provide 24/7 support to the new regional emergency management, weather and traffic information website known as trafficview.org. This website will provide timely and consistent regional information to the public about real-time traffic, transit and weather information. New subscription services will allow the public to receive text and email emergency notification alerts about evacuations and other important events specific to their commute, including on mobile devices.

This Investment will be conducted in coordination with the District of Columbia State Homeland Security Grant Program Investment 7 Citizen Preparedness and Community Outreach.

## II. Baseline - Investment #4

### II.A - Goals and Objectives

**Identify the goals and objectives in your State and/or Urban Area Homeland Security Strategy Supported by this Investment. (1,500 char. max)**

This Investment supports NCR Homeland Security Strategy Goal 4 "Ensure development and maintenance of regional core capabilities" Objective 4.3 to "Strengthen individual, community, and workplace preparedness for emergency events through public engagement and citizen participation designed to reach the general population and special needs citizens in response to and recovery from all-hazards events."

Specifically, this Investment will sustain the National Capital Region's ability to alert and warn residents, businesses and visitors through its emergency alert notification and emergency, traffic and weather information systems. Moreover, this Investment will augment the region's ability to recruit, manage and retain volunteers.

### II.B - Existing capability levels

**Describe existing capability levels that address the identified goals/objectives and what will be in place to support the investment <u>prior</u> to the use of FY 2012 funds. (1,500 char. max)**

The National Capital Region's alert notification system has been in use since 2003 and is used by all of the NCR localities on a daily basis. The system is able to send timely text messages to cellular devices, pagers and email. Some localities are also using the "reverse calling" capability, which targets a specific area with a voice message crafted by the agency.

The 211 website and phone service, which handles 450,000 calls annually, allow residents to obtain information about social services and disaster recovery. Since the NCR has a highly mobile population, it is beneficial for residents to have one resource for this type of information that extends beyond a jurisdiction's borders.

The NCR has a high degree of volunteer participation in community events. Currently, the region's volunteer recruitment corps consists of approximately 17,500 trained volunteers. This Investment will continue volunteer outreach recruitment and training efforts within each jurisdiction, with the goal of adding 3,750 more trained volunteers.

Traffic View provides timely and consistent regional information to the public about real-time traffic, transit and weather information. This information includes emergency notifications about evacuations and other important events, and is accessible through the internet on smartphones and other mobile devices.

### II.C - Capability gap(s)

**Explain the capability gap(s) that this Investment is intended to address. (1,500 char. max)**

The alert notification system is an integral part of the NCR's ability to communicate with the public. Continuing sustainment for this capability and increasing the number of subscribers are among the region's top priorities. This Investment addresses the gaps that would inevitably arise from the loss of the most effective communications tools the NCR has implemented for public notification.

The 211 system needs to expand its database of public services to include more providers and thus be of more use to residents. Moreover, 211 is currently limited to the website and phone line; two-way text messaging and a new mobile application will increase and improve access to the 211 services.

Given the region's highly mobile population, volunteer recruitment and training are a continuous and crucial function to sustain the

NCR's readiness and emergency preparedness capabilities. Tasks such as sheltering, donations distribution and debris removal require tens of thousands of volunteers. The long-term goal is to form and maintain a cadre of 25,000 trained and affiliated volunteers throughout the NCR who are able to assist their communities during a disaster.

Each jurisdiction has its own information delivery mechanism with widely varying abilities, but there is no single source for the public to obtain emergency, weather and traffic information. This Investment will enable Traffic View to serve as a consolidated resource.

**Core Capability 1:**     Community Resilience
**Core Capability 2:**     Operational Coordination
**Core Capability 3:**     Planning
**Core Capability 4:**     Public Information and Warning

## III. Project Management and Milestones - Investment #4

**I.C. - Funding Program**

| Program | Funding Amount |
|---|---|
| UASI | $2,679,217 |

**IV.B - Fusion Center:**
**Please note that all fusion center-related funding requests <u>must be consolidated into a single Investment per funding source</u> (e.g., SHSP, UASI) in which recognized fusion centers reside.**
No

**If applicable, how much of this Investment will be obligated towards Law Enforcement Terrorism Prevention Activities (LETPA):** $0

| Core Capability | Amount of Proposed Funding | Percent of Proposed Funding |
|---|---|---|
| Community Resilience | $500,000 | 18.66% |
| Operational Coordination | $568,000 | 21.2% |
| Planning | $657,000 | 24.52% |
| Public Information and Warning | $954,217 | 35.62% |
| **Total** | **$2,679,217** | **100%** |

| Solution Area | Amount of Proposed Funding | Percent of Proposed Funding |
|---|---|---|
| Planning | $1,000,000 | 37.3% |
| Organization | $114,857 | 4.3% |
| Equipment | $1,064,360 | 39.7% |
| Training | $500,000 | 18.7% |
| Exercises | | |
| **Total** | **$2,679,217** | **100%** |

| # | Name | Description | Step | Start (mm/yyyy) | End (mm/yyyy) | Funding Amount |
|---|---|---|---|---|---|---|
| 1 | NCR Emergency Notification Sustainment | NCR Emergency Notification Sustainment | Execution | 10/2012 | 09/2014 | $875,000 |
| 2 | Emergency, Weather and Traffic Information to the Public: Enhancements and Support | Emergency, Weather and Traffic Information to the Public: Enhancements and Support | Execution | 10/2012 | 09/2014 | $150,000 |
| 3 | Community Preparedness and Participation | Community Preparedness and Participation | Execution | 10/2012 | 09/2014 | $1,500,000 |
| 4 | Respond and Recover: Improving 2-1-1 Response and Recovery Disaster Services in the NCR | Respond and Recover: Improving 2-1-1 Response and Recovery Disaster Services in the NCR | Execution | 10/2012 | 09/2014 | $154,217 |

**IV.G - Does this investment require new construction or renovation, retrofitting, or modification of existing structures?**
No

**V.A - Outcomes to be achieved**

**Describe the outcomes that will be achieved as a result of this Investment. The outcomes should demonstrate improvement towards building capabilities described in Baseline tab. (1,500 char max)**

This Investment will enhance the National Capital Region's public information and community preparedness capabilities by achieving the following outcomes.

* Sustain and enhance the NCR alert notification system and provide the upgrades necessary to continue offering timely and accurate emergency information to an expanding number of subscribers.

* Allow the 211 system to continue connecting residents to basic human needs services, in particular during the surge of calls and requests for assistance in the aftermath of a disaster. Moreover, the region will increase access to 211 services by enabling two-way text messaging and developing an application for mobile devices.

* Recruit and train 3,750 volunteers across eight jurisdictions to enhance the readiness of the community and assist in disaster recovery. This will raise the region's overall pool of volunteers for emergency preparedness to 21,250. Moreover, community preparedness and education efforts will be sustained, with the goal of reaching 66% of the population.

* Provide ongoing support and deploy enhancements to the Traffic View system, as well as expand its server infrastructure and subscription services. This Investment will allow residents to rely on a single resource for consistent and timely emergency, traffic, transit and weather information.


(End of Investment #4.)

# Investment #5

**Investment Name:** Situational Awareness Systems

**Investment Phase:** Ongoing

**Multi-Applicant Investment:** No

## I. Overview - Investment #5

**If the Investment is ongoing, identify up to three Investment(s) from prior year(s) to include:(FY 2008 - FY 2011)**

Note: Applicants may select up to **three** Investments. Within the GRT, applicants will *only* have the ability to select previously funded Investments from a drop-down menu.

| Year | Investment Name | HSGP Funding Amount |
|------|-----------------|---------------------|
| 2010 | Information Sharing | $8,346,003.00 |
| 2011 | Situational Awareness | $6,698,212.00 |
| 2009 | Emergency Operations Center Collaboration | $2,778,674.00 |

**I.C. - Funding Program**

| Program | Funding Amount |
|---------|----------------|
| UASI | $3,891,208 |

**I.D - Capabilties Building**

Maintaining existing capabilitise.

**I.E - Investment description**

**Provide a description of this Investment, including the planning, organization, equipment, training, and/or exercises that will be involved. (2,500 char. max)**

This Investment will sustain and enhance the National Capital Region's (NCR) situational awareness systems that are used to coordinate and manage incident response to emergencies. The region will purchase and install IT equipment in regional Emergency Operations Centers (EOC) to enhance their current technology infrastructure to improve communications and make better use of data displays and visualization tools. The NCR will also continue to support ongoing situational awareness / emergency management software tools such as WebEOC, Geospatial Information System (GIS) data sharing systems and other visualization and data display tools.

This Investment will also fund enhancements to the Regional Integrated Traffic Information System (RITIS) that is used by the state and local departments of transportation in the region to collect, share and display traffic incident information; this tool is critical for evacuation planning and operations. The funds from this investment will support 24/7 operations, adding new data sources and enhanced analytical functions.

The funds from this Investment will also be used to sustain existing CCTV video information sharing platforms and will purchase additional First Responder Authentication Card (FRAC) reader devices for use in securing on-site operations and letting emergency managers track assets at an emergency incident.

## II. Baseline - Investment #5

## II.A - Goals and Objectives

**Identify the goals and objectives in your State and/or Urban Area Homeland Security Strategy Supported by this Investment. (1,500 char. max)**

This Investment supports NCR Homeland Security Strategy Goal 2 "Enhance Information Sharing and Situational Awareness...", Objective 2.2 "Define, obtain, and share appropriate situational information with NCR partners so that they have the necessary information to make informed decisions."

The goals will be achieved through sustaining and enhancing existing emergency management data sharing systems such as WebEOC, RITIS, GIS data integration, CCTV video sharing and expanded FRAC credential use. The ability to use these systems will also be enhanced by upgrading local EOC IT software and hardware systems.

## II.B - Existing capability levels

**Describe existing capability levels that address the identified goals/objectives and what will be in place to support the investment <u>prior</u> to the use of FY 2012 funds. (1,500 char. max)**

The NCR has several independent systems which provide various situational awareness data levels. Each jurisdiction maintains its own GIS data, some of which is currently shared regionally. Each jurisdiction also uses WebEOC software to manage and track incident information. The transportation departments in DC, VA, and MD use the RITIS system to track and publish traffic incident information and the local transportation departments are using that system in increasing numbers. Numerous entities throughout the region at the state, local and non-governmental level have CCTV cameras for situational awareness; the region has made significant progress in sharing these disparate video data sources with all public safety partners. Each of these systems provide vital event information to first responders and command centers. These systems and data have historically been stand-alone silos, residing within each partner agency's IT infrastructure. The NCR's approach is to maintain current capabilities while looking to meld disparate systems and data to provide a holistic view in event responses. In particular, the NCR will focus on GIS information, traffic and transportation information, video data, emergency operations center (EOC) IT assets, and web information sharing applications and services.

The local emergency operations centers in the region are the focal point of much of this data integration and their internal IT assets face increasing demands for resources.

## II.C - Capability gap(s)

**Explain the capability gap(s) that this Investment is intended to address. (1,500 char. max)**

The local EOC's in the NCR are in need of upgrades to IT assets (software, computer hardware and communications equipment) to deal with increasing demands for data integration, display and distribution. The emergency management agencies also need continued support for existing data sharing systems such as WebEOC, CCTV video sharing, and RITIS. The RITIS system also needs to be expanded to run 24/7 operations and advanced data analysis as it is now being used by an increasing user base with varied needs. Other situational awareness systems also need to be modified to export and receive data from WebEOC and RITIS.

The NCR's existing video sharing platform is recently developed and needs continued funding to remain operational, meet user requirements and allow the planning team to define the next phase of development.

The GIS data exchange between NCR partners needs to expand to include additional data sets from jurisdictions and agencies throughout the region. The architecture and access privileges for the GIS exchange need to be improved to accommodate a larger volume of data sets and users.

The region's current first responder credentialing program is limited to several jurisdictions in Northern Virginia; these jurisdictions have the FRAC cards in place but need additional readers to implement the program successfully at an incident scene.

**Core Capability 1:** Critical Transportation
**Core Capability 2:** Intelligence and Information Sharing
**Core Capability 3:** On-scene Security and Protection
**Core Capability 4:** Operational Coordination
**Core Capability 5:** Planning
**Core Capability 6:** Public Information and Warning
**Core Capability 7:** Risk Management for Protection Programs and Activities

**I.C. - Funding Program**

| Program | Funding Amount |
|---|---|
| UASI | $3,891,208 |

**IV.B - Fusion Center:**
**Please note that all fusion center-related funding requests <u>must be consolidated into a single Investment per funding source</u> (e.g., SHSP, UASI) in which recognized fusion centers reside.**
No

**If applicable, how much of this Investment will be obligated towards Law Enforcement Terrorism Prevention Activities (LETPA):**   $0

| Core Capability | Amount of Proposed Funding | Percent of Proposed Funding |
|---|---|---|
| Critical Transportation | $50,000 | 1.28% |
| Intelligence and Information Sharing | $350,000 | 8.99% |
| On-scene Security and Protection | $120,000 | 3.08% |
| Operational Coordination | $2,931,208 | 75.33% |
| Planning | $150,000 | 3.85% |
| Public Information and Warning | $240,000 | 6.17% |
| Risk Management for Protection Programs and Activities | $50,000 | 1.28% |
| **Total** | **$3,891,208** | **100%** |

| Solution Area | Amount of Proposed Funding | Percent of Proposed Funding |
|---|---|---|
| Planning | $501,000 | 12.9% |
| Organization | $1,659,100 | 42.6% |
| Equipment | $1,731,108 | 44.5% |
| Training | | |
| Exercises | | |
| **Total** | **$3,891,208** | **100%** |

| # | Name | Description | Step | Start (mm/yyyy) | End (mm/yyyy) | Funding Amount |
|---|---|---|---|---|---|---|
| 1 | GIS Data Exchange and INDEX Projects | GIS Data Exchange and INDEX Projects | Execution | 10/2012 | 09/2014 | $550,000 |
| 2 | NCR Web EOC Situational Awareness Sustainment | NCR Web EOC Situational Awareness Sustainment | Execution | 10/2012 | 09/2014 | $243,600 |
| 3 | Web EOC and VIPER | Web EOC and VIPER | Execution | 10/2012 | 09/2014 | $325,000 |
| 4 | FRAC Handheld Devices | FRAC Handheld Devices | Execution | 10/2012 | 09/2014 | $120,000 |
| 5 | CCTV System Maintenance | CCTV System Maintenance | Execution | 10/2012 | 09/2014 | $150,000 |
| 6 | RITIS Operations, Maintenance and Enhancements | RITIS Operations, Maintenance and Enhancements | Execution | 10/2012 | 09/2014 | $765,000 |

| 7 | Montgomery County EOC Enhancements | Montgomery County EOC Enhancements | Execution | 10/2012 | 09/2014 | $969,608 |
|---|---|---|---|---|---|---|
| 8 | IT Support for DC HSEMA | IT Support for DC HSEMA | Execution | 10/2012 | 09/2014 | $568,000 |
| 9 | Software for HSEMA EOC and JAHOC | Software for HSEMA EOC and JAHOC | Execution | 10/2012 | 09/2014 | $150,000 |
| 10 | MEMA IT Infrastructure | MEMA IT Infrastructure | Execution | 10/2012 | 09/2014 | $50,000 |

**IV.G - Does this investment require new construction or renovation, retrofitting, or modification of existing structures?**

No

**V.A - Outcomes to be achieved**

**Describe the outcomes that will be achieved as a result of this Investment. The outcomes should demonstrate improvement towards building capabilities described in Baseline tab. (1,500 char max)**

This Investment will result in the sustainment and enhancement of several aspects of the region's situational awareness and incident management systems. The information technology equipment and software in regional EOC's will be upgraded to modern standards, enabling the local emergency management agencies to make full use of modern technology, data sharing and display systems and other information sharing tools developed through the 2012 and prior UASI grants. This Investment will also continue to support the region's use of a common Emergency Management software (WebEOC).

The region's GIS integration process will take another step forward and will expand the number of GIS data sources and the type of GIS data it includes and will also be accessible to more stakeholders. Likewise the region's video interoperability program will continue to integrate additional CCTV camera sources and provide real-time video feeds to a wider audience of public safety partners.

This Investment will also allow the region's RITIS traffic data sharing and analysis tool to begin 24/7 operations and will also expand its users' ability to perform analysis, access additional traffic information, and integrate RITIS data into other modeling and incident management tools.

Finally this Investment will expand the use of FRAC identification and tracking devices in incident management operations in the NCR, providing emergency management a better view of resource allocation.

(End of Investment #5.)

# Investment #6

## Investment Information - Investment #6

**Investment Name:**       Emergency Response System Operationalization

**Investment Phase:**       Ongoing

**Multi-Applicant Investment:**    No

## I. Overview - Investment #6

**If the Investment is ongoing, identify up to three Investment(s) from prior year(s) to include:(FY 2008 - FY 2011)**

Note: Applicants may select up to **three** Investments. Within the GRT, applicants will *only* have the ability to select previously funded Investments from a drop-down menu.

| Year | Investment Name | HSGP Funding Amount |
|------|-----------------|---------------------|
| 2008 | 4. Health & Medical Readiness and Response | $16,682,215.00 |
| 2010 | Public Health Planning | $5,923,146.00 |
| 2011 | Emergency Response System | $3,923,614.00 |

**I.C. - Funding Program**

| Program | Funding Amount |
|---------|----------------|
| UASI | $3,194,386 |

**I.D - Capabilties Building**

Maintaining existing capabilitise.

**I.E - Investment description**

**Provide a description of this Investment, including the planning, organization, equipment, training, and/or exercises that will be involved. (2,500 char. max)**

This investment continues the National Capital Region's (NCR) efforts to develop and implement emergency response plans modeled after the Metropolitan Medical Response System (MMRS) standards and provide equipment and multi-discipline coordination to ensure these plans can be implemented. These capabilities will ensure the NCR's ability to respond to the needs of victims of a chemical, radiological, nuclear or explosive device incident. The NCR is developing a regional response capability that allows each local jurisdiction to respond within its own borders as well as regionally. The Investment consists of a significant amount of planning and program coordination in the District of Columbia and in the Northern Virginia and Maryland jurisdictions within the NCR's borders. As each of the three states within the NCR have different public health and emergency management regulations and stakeholder communities that extend beyond the NCR, the region is developing customized operational plans in each jurisdiction as opposed to having one regional plan that would not be operational. Each jurisdiction also has equipment and supplies needs, primarily for creating or maintaining existing pharmaceutical caches, but also for jurisdiction-specific equipment needs for first responders, including rescue equipment, protective gear for police providing on-scene security, and radio communications equipment. The Investment also supports additional Medical Reserve Corps resources.

The NCR has expanded the basic MMRS planning standards to be a true cross-discipline regional emergency response system (ERS) that includes partnership with public health, police, fire, emergency management, transportation, emergency medical services, hospitals, and other stakeholders. The planning, coordination and equipment resources provided will allow the region to complete this ERS model and put it into operation.

### II.A - Goals and Objectives

**Identify the goals and objectives in your State and/or Urban Area Homeland Security Strategy Supported by this Investment. (1,500 char. max)**

This Investment supports NCR Homeland Security Strategy Goal 4 "Ensure development and maintenance of regional core capabilities…", Objective 4.1 "Increase the Region's capacity for medical surge preparedness and response to an all-hazards event to reduce deaths and injuries" by supporting ongoing planning and operational coordination of multi-agency response plans in the style of MMRS as well as supporting any equipment needs to implement those plans.

### II.B - Existing capability levels

**Describe existing capability levels that address the identified goals/objectives and what will be in place to support the investment _prior_ to the use of FY 2012 funds. (1,500 char. max)**

The NCR urban area has never received the MMRS grant from FEMA but has mirrored the same planning, equipment and coordination requirements throughout the region using UASI grant funds. The Northern Virginia jurisdictions started this process and are the furthest developed. Most of the MMRS plans in Northern Virginia are completed (base plan, training plan, community recovery plan, pharmaceutical plan, medical surge plans for CBRNE events, hospital plans, patient transport and alternate care plans, medical reserve corps plans, resource management plans) and the focus there is on operationalizing the plans and sustaining the regional coordination functions. The Maryland and DC MMRS planning process started in 2008 and many of the MMRS plans are completed or are under development; this Investment will complete the planning process and provide the pharmaceutical and medical cache equipment needed to implement the plans.

### II.C - Capability gap(s)

**Explain the capability gap(s) that this Investment is intended to address. (1,500 char. max)**

The jurisdictions in the NCR are at different stages of development in the MMRS planning and implementation cycle and have different capability gaps. Northern Virginia has completed most plans, but still needs to operationalize these plans in the local jurisdictions and agencies, and also needs specific items of equipment that have been identified as gaps during the MMRS planning process. This includes some rescue operations equipment, radio communications equipment for medical reserve corps coordinators, additional mass fatality mortuary storage equipment, and additional protective gear for police that provide security at prophylaxis/pharmaceutical distribution sites. The MMRS programs in Maryland and DC need to finish creating pharmaceutical equipment caches and also need to complete CBRNE medical surge plans, alternate care plans, equipment/pharmaceutical rotation plans, community recovery plans and also to operationalize the plans that have been completed.

**Core Capability 1:**     Fatality Management Services
**Core Capability 2:**     Mass Search and Rescue Operations
**Core Capability 3:**     On-scene Security and Protection
**Core Capability 4:**     Operational Coordination
**Core Capability 5:**     Planning
**Core Capability 6:**     Public Health and Medical Services

**I.C. - Funding Program**

| Program | Funding Amount |
|---|---|
| UASI | $3,194,386 |

**IV.B - Fusion Center:**
**Please note that all fusion center-related funding requests <u>must be consolidated into a single Investment per funding source</u> (e.g., SHSP, UASI) in which recognized fusion centers reside.**
No

**If applicable, how much of this Investment will be obligated towards Law Enforcement Terrorism Prevention Activities (LETPA):** $0

| Core Capability | Amount of Proposed Funding | Percent of Proposed Funding |
|---|---|---|
| Fatality Management Services | $30,000 | 0.94% |
| Mass Search and Rescue Operations | $27,000 | 0.85% |
| On-scene Security and Protection | $332,000 | 10.39% |
| Operational Coordination | $862,745 | 27.01% |
| Planning | $1,317,641 | 41.25% |
| Public Health and Medical Services | $625,000 | 19.57% |
| **Total** | **$3,194,386** | **100%** |

| Solution Area | Amount of Proposed Funding | Percent of Proposed Funding |
|---|---|---|
| Planning | $1,549,795 | 48.5% |
| Organization | $487,143 | 15.2% |
| Equipment | $1,157,448 | 36.2% |
| Training | | |
| Exercises | | |
| **Total** | **$3,194,386** | **100%** |

| # | Name | Description | Step | Start (mm/yyyy) | End (mm/yyyy) | Funding Amount |
|---|---|---|---|---|---|---|
| 1 | Montgomery County Emergency Response System | Montgomery County Emergency Response System | Execution | 10/2012 | 09/2014 | $550,000 |
| 2 | Prince George's County Emergency Response System | Prince George's County Emergency Response System | Execution | 10/2012 | 09/2014 | $450,000 |
| 3 | District of Columbia Emergency Response System | District of Columbia Emergency Response System | Execution | 10/2012 | 09/2014 | $515,000 |
| 4 | NVERS Operationalization | NVERS Operationalization | Execution | 10/2012 | 09/2014 | $1,679,386 |

**IV.G - Does this investment require new construction or renovation, retrofitting, or modification of existing structures?**

No

**V.A - Outcomes to be achieved**

**Describe the outcomes that will be achieved as a result of this Investment. The outcomes should demonstrate improvement towards building capabilities described in Baseline tab. (1,500 char max)**

Through this Investment of FY2012 UASI funds, the local jurisdictions in the NCR will complete the entire set of base MMRS plans for the region, and will also ensure these plans are operationalized and that sufficient resources exist to implement the plans in a disaster. These plans will be integrated into the operations of public health and public safety agencies in local governments as well as in hospitals and other non-government stakeholders.

(End of Investment #6.)

# Investment #7

| Investment Information - Investment #7 |
|---|

**Investment Name:**      CBRNE Response and Detection

**Investment Phase:**      Ongoing

**Multi-Applicant Investment:**      No

| I. Overview - Investment #7 |
|---|

**If the Investment is ongoing, identify up to three Investment(s) from prior year(s) to include:(FY 2008 - FY 2011)**

Note: Applicants may select up to **three** Investments. Within the GRT, applicants will *only* have the ability to select previously funded Investments from a drop-down menu.

| Year | Investment Name | HSGP Funding Amount |
|---|---|---|
| 2008 | 3. IED Prevention, Protection, and Response | $13,811,095.00 |
| 2010 | First Responder Protection | $4,013,811.00 |
| 2011 | Specialized Response Teams | $6,831,400.00 |

**I.C. - Funding Program**

| Program | Funding Amount |
|---|---|
| UASI | $7,022,014 |

**I.D - Capabilties Building**

Maintaining existing capabilitise.

**I.E - Investment description**

**Provide a description of this Investment, including the planning, organization, equipment, training, and/or exercises that will be involved. (2,500 char. max)**

This Investment will enhance and sustain existing capabilities for public safety agencies in the National Capital Region (NCR) to protect against and respond to chemical, biological, radiological, nuclear or explosive attacks.

The NCR will purchase mobile and fixed-site radiation detectors for police and fire agencies and will also network existing mobile radiation detectors into a unified regional monitoring and detection system. The region will also purchase an additional 1,200 sets of replacement turnout gear for firefighters so they can continue operations after their first set has been contaminated by a hazardous materials incident.

The region will also fund additional equipment for regional bomb squads including X-ray scanners, bomb suits and tools, as well as robotic equipment for vehicle borne improvised explosive devices (VBIED) for the one regional bomb squad that does not already have a VBIED-capable robot.

This Investment will also sustain current chemical, biological and radiological detection equipment installed in the water supply network and other detectors in the Washington Metropolitan Area Transit Authority (WMATA) train tunnels. These systems require regular maintenance and testing to ensure they work as required.

Finally, this Investment will enhance the region's water-rescue capabilities with 10 additional response watercraft as well as support units and transport trailers, dive suits and training for local rescue dive teams.

### II.A - Goals and Objectives

**Identify the goals and objectives in your State and/or Urban Area Homeland Security Strategy Supported by this Investment. (1,500 char. max)**

This Investment supports the NCR Homeland Security Strategic Plan Goal 4 "Ensure Development and Maintenance of Regional Core Capabilities...(including) Chemical, Biological, Radiological Nuclear and Explosive (CBRNE) detection and response," Objective 4.4. "Ensure the NCR has region-wide capacity to detect, respond and recover in a timely manner from CBRNE events and other attacks requiring tactical response and technical rescue." These outcomes will be achieved through enhancements to regional radiation detection capabilities, additional equipment for bomb response teams, additional personal protective equipment for firefighters, sustainment of CBRNE detection and warning systems, and additional water-rescue response equipment. These capability enhancements will allow the NCR to better prevent and respond to CBRNE incidents.

### II.B - Existing capability levels

**Describe existing capability levels that address the identified goals/objectives and what will be in place to support the investment prior to the use of FY 2012 funds. (1,500 char. max)**

There are currently nine accredited state/local bomb squads within the NCR. Prior investments of UASI funds have provided additional bomb suits and bomb-response equipment to all of these teams, and currently 8 teams have robotic equipment capable of dealing with IED and VBIED incidents.

Prior UASI investment has provided over 950 mobile radiation detection devices to police and fire agencies throughout the NCR. A radiation detection and response Concept of Operations (CONOPS) has been developed and all agencies are operating according to the CONOPS, though additional detectors are needed.

The region first purchased a second set of turnout gear for its 10,600 firefighters in 2003-2004. Some of that equipment is expiring and this year the NCR will replace 1,200 sets as part of a gradual replacement plan.

The PROTECT system in the WMATA tunnels is a network of chemical/radiological detectors that can alert WMATA staff, riders, and first responders of a hazardous materials threat. The region also has a chemical/biological/radiological contamination detection system for the region's water supply that covers all of the major water utility providers.

The NCR has 9 water rescue teams with varying capability that provide water rescue/response in the region. These teams have a total of 36 watercraft, 461 team members and 296 dive suits.

### II.C - Capability gap(s)

**Explain the capability gap(s) that this Investment is intended to address. (1,500 char. max)**

The 9 bomb squads in the NCR require additional X-ray scanning equipment, bomb suits and bomb-response tools to allow them to handle multiple simultaneous incidents, as some only have enough equipment to deal with one incident at a time. One bomb squad does not have robotic equipment that can deal with VBIED's.

The NCR needs additional radiation detection equipment to ensure comprehensive coverage of the metropolitan area and inbound transportation routes. The current devices are not networked, so each detection is not communicated regionally in a standardized automatic fashion. The NCR needs an analytical platform to receive all radiation detection results. The existing water and WMATA rail tunnel CBRNE detection systems need sustainment/maintenance funding to ensure continued operations.

The region's current stock of 10,600 sets of replacement turnout gear for firefighters is aging and needs to be refreshed to stay in compliance with national standards. The region is replacing 10% of the stock each year on a rolling basis. Firefighters without a second set of turnout gear will not be able to continue operations if they encounter a contaminant that makes their turnout gear hazardous.

Two of the NCR's water rescue teams do not have swiftwater-capable watercraft, the others need more and all need additional dive suits and training/exercises to test capability. Severe flooding last year required additional assistance from outside the region.

**Core Capability 1:** Environmental Response/Health and Safety
**Core Capability 2:** Infrastructure Systems
**Core Capability 3:** Natural and Cultural Resources
**Core Capability 4:** On-scene Security and Protection
**Core Capability 5:** Planning
**Core Capability 6:** Screening, Search, and Detection
**Core Capability 7:** Situational Assessment
**Core Capability 8:** Threats and Hazard Identification

**I.C. - Funding Program**

| Program | Funding Amount |
|---|---|
| UASI | $7,022,014 |

**IV.B - Fusion Center:**
**Please note that all fusion center-related funding requests <u>must be consolidated into a single Investment per funding source</u> (e.g., SHSP, UASI) in which recognized fusion centers reside.**
No

**If applicable, how much of this Investment will be obligated towards Law Enforcement Terrorism Prevention Activities (LETPA):** $3,986,134

| Core Capability | Amount of Proposed Funding | Percent of Proposed Funding |
|---|---|---|
| Environmental Response/Health and Safety | $2,100,000 | 29.91% |
| Infrastructure Systems | $623,833 | 8.88% |
| Natural and Cultural Resources | $935,880 | 13.33% |
| On-scene Security and Protection | $1,649,336 | 23.49% |
| Planning | $349,301 | 4.97% |
| Screening, Search, and Detection | $585,332 | 8.34% |
| Situational Assessment | $195,000 | 2.78% |
| Threats and Hazard Identification | $583,332 | 8.31% |
| **Total** | **$7,022,014** | **100%** |

| Solution Area | Amount of Proposed Funding | Percent of Proposed Funding |
|---|---|---|
| Planning | $449,301 | 6.4% |
| Organization | $203,000 | 2.9% |
| Equipment | $6,227,963 | 88.7% |
| Training | $141,750 | 2% |
| Exercises | | |
| **Total** | **$7,022,014** | **100%** |

| # | Name | Description | Step | Start (mm/yyyy) | End (mm/yyyy) | Funding Amount |
|---|---|---|---|---|---|---|
| 1 | NCR Water Security Monitoring Maintenance | NCR Water Security Monitoring Maintenance | Execution | 10/2012 | 09/2014 | $240,000 |
| 2 | NCR WARN Sustainment | NCR WARN Sustainment | Execution | 10/2012 | 09/2014 | $5,000 |
| 3 | PROTECT | PROTECT Sustainment | Execution | 10/2012 | 09/2014 | $730,134 |
| 4 | Structural PPE Replacement | Structural PPE Replacement | Execution | 10/2012 | 09/2014 | $2,100,000 |
| 5 | Bomb Squad Sustainment | Bomb Squad Sustainment | Execution | 10/2012 | 09/2014 | $1,261,000 |
| 6 | Mobile Wide Area Radiation and Nuclear Detection with Real Time Communications | Mobile Wide Area Radiation and Nuclear Detection with Real Time Communications | Execution | 10/2012 | 09/2014 | $1,750,000 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 7 | Water Operations Equipment and Training | Water Operations Equipment and Training | Execution | 10/2012 | 09/2014 | $935,880 |

**IV.G - Does this investment require new construction or renovation, retrofitting, or modification of existing structures?**
No

**V.A - Outcomes to be achieved**

**Describe the outcomes that will be achieved as a result of this Investment. The outcomes should demonstrate improvement towards building capabilities described in Baseline tab. (1,500 char max)**

Through this Investment the NCR's CBRNE prevention and response capabilities will be significantly enhanced.

The additional radiation detection equipment will expand the percentage of the region's area and critical transportation corridors covered by some form of detection. Additional wide-area detectors will be used for major gatherings like the Presidential Inauguration or 4th of July. More importantly each detector will be networked into an analytical system that can perform real-time analytics on the results of all readings to indicate potential threat patterns. The region will also sustain existing CBRNE detection systems that protect the region's water supplies and mass transit rail tunnels.

The region's bomb response capability will be enhanced with additional bomb suits and X-Ray systems that allow evaluation of suspicious packages and items quickly and safely without the need to physically manipulate the item. The only bomb squad without robotic VBIED capability will also be brought up to par with the others.

The region will continue its replacement cycle of expiring items from the stock of extra sets of turnout gear for firefighters, ensuring that a hazardous materials event will not prevent responders from returning to work.

Finally this Investment will also improve the region's ability to perform water rescue operations with 10 additional watercraft, dive suits and other rescue equipment and additional training for rescue teams.

(End of Investment #7.)

# Investment #8

**Investment Name:**           Regional Planning and Coordination

**Investment Phase:**          Ongoing

**Multi-Applicant Investment:**  No

## I. Overview - Investment #8

**If the Investment is ongoing, identify up to three Investment(s) from prior year(s) to include:(FY 2008 - FY 2011)**

Note: Applicants may select up to **three** Investments. Within the GRT, applicants will *only* have the ability to select previously funded Investments from a drop-down menu.

| Year | Investment Name | HSGP Funding Amount |
|---|---|---|
| 2008 | 2. Preparedness Planning | $6,354,281.00 |
| 2011 | Planning | $12,526,755.00 |
| 2009 | Emergency Operations Center Collaboration | $2,778,674.00 |

### I.C. - Funding Program

| Program | Funding Amount |
|---|---|
| UASI | $4,979,647 |

### I.D - Capabilties Building

Maintaining existing capabilitise.

### I.E - Investment description

**Provide a description of this Investment, including the planning, organization, equipment, training, and/or exercises that will be involved. (2,500 char. max)**

This Investment supports the National Capital Region's (NCR) ongoing efforts in planning for emergency management, evacuation, regional coordination, and public health that began in 2007. The main focus of this Investment is maintaining current planning capabilities by providing the resources to refresh and update plans that were completed up to four years ago.

This Investment will evaluate the emergency operations plans of the local jurisdictions in the NCR and concentrate on updating any that are not compliant with the Comprehensive Preparedness Guide (CPG) 101 criteria published by the Federal Emergency Management Agency. The NCR will also update or develop plans in the local jurisdictions that are required for compliance with the Emergency Management Accreditation Program (EMAP) and continue ongoing regional coordination efforts across all disciplines and planning areas.

Additional planning tasks include coordinating regional homeland security and emergency preparedness objectives and ensuring regional planning efforts are aligned with the NCR Strategic Plan. Through the consistent, region-wide use of the continual emergency planning process (i.e. coordination, development, implementation, maintenance and revisions), the NCR will enhance its planning capacity to coordinate and integrate emergency plans across local, state, federal and non-governmental organizations.

The funding in this Investment will be used primarily for staff and contractor costs to accomplish these planning tasks. The allocation of resources between the NCR jurisdictions will be determined by the NCR's regional planning coordination working group and will be based on the importance of the planning topic and degree of update that is needed for the current plan. There are eight major jurisdictions in the NCR, and each has plans for these areas that may need to be updated. This Investment will also fund planning

support tools such as an online file sharing site for regional planning groups to share plans and report on progress.

## II. Baseline - Investment #8

### II.A - Goals and Objectives

**Identify the goals and objectives in your State and/or Urban Area Homeland Security Strategy Supported by this Investment. (1,500 char. max)**

This Investment supports NCR Homeland Security Strategy Goal 4 "Ensure Development and Maintenance of Regional Core Capabilities" Objective 4.5 "Improve capacity to develop and coordinate plans among all NCR partners and ensure the availability of region-wide training and exercise programs to strengthen preparedness, response, and recovery efforts from all-hazards events" by developing key regional emergency response and recovery plans.

The NCR has already made significant prior investments in emergency operations planning, regional coordination, public health and emergency medical planning, and evacuation planning. With FY2012 funds, the NCR seeks to (1) review and update existing plans; and (2) develop additional plans as needed to meet the NCR's needs and the planning requirements listed in the FY 2012 Homeland Security Grant Program Funding Opportunity Announcement.

### II.B - Existing capability levels

**Describe existing capability levels that address the identified goals/objectives and what will be in place to support the investment <u>prior</u> to the use of FY 2012 funds. (1,500 char. max)**

Currently, the local jurisdictions of the National Capital Region have updated, completed or are in the process of completing the basic emergency operations plans and associated annexes to achieve Emergency Management Accreditation Program (EMAP) compliance. Regional planners annually review and update the Regional Emergency Coordination Plan (RECP) and Annexes, and the Emergency Management Mutual Aid Operations Plan (MAOP).

Additionally, the following jurisdiction plans have been completed: alternate care facilities, mass fatalities, special needs medical sheltering, strategic national stockpile coordination, mutual aid operations, NCR dam assessment, family assistance care, evacuation for the District of Columbia and the suburbs in Maryland and Virginia, mass sheltering, pandemic influenza, Presidential Inauguration concept of operations, regional emergency coordination, community recovery, medical emergency prophylaxis distribution, medical emergency supplies distribution and management, medical surge, volunteer management, public health surveillance and epidemiological investigation, and responder health and safety. Copies of these plans and the working documents to produce them are maintained in a central online document repository that was created for this purpose. These plans were initiated and have been completed on a rolling basis in the eight jurisdictions of the National Capital Region.

### II.C - Capability gap(s)

**Explain the capability gap(s) that this Investment is intended to address. (1,500 char. max)**

The regional planning effort for emergency management, evacuation, regional coordination, and public health received significant regional investment in 2007. The capabilities achieved so far have significantly improved the preparedness of the region, but plans must be continually reviewed, revised and updated to remain effective. Additionally, any new preparedness and response capabilities developed by the NCR with local and UASI grant funds need to be reflected in and incorporated into existing plans.

This Investment will allow the NCR to refresh its local jurisdiction plans on a rolling cycle and ensure that existing plans are regularly updated to reflect major events, exercises, the development of new capabilities, or other significant changes. This Investment will also support the existing regional coordination and collaboration structures that have been developed to enhance regional planning efforts.

Planning capabilities require ongoing sustainment and enhancement to remain viable and this Investment is intended to address the gaps that would inevitably arise from insufficient support.

**Core Capability 1:**    Intelligence and Information Sharing
**Core Capability 2:**    Planning

**I.C. - Funding Program**

| Program | Funding Amount |
|---|---|
| UASI | $4,979,647 |

**IV.B - Fusion Center:**
**Please note that all fusion center-related funding requests must be consolidated into a single Investment per funding source (e.g., SHSP, UASI) in which recognized fusion centers reside.**
No

**If applicable, how much of this Investment will be obligated towards Law Enforcement Terrorism Prevention Activities (LETPA):** $0

| Core Capability | Amount of Proposed Funding | Percent of Proposed Funding |
|---|---|---|
| Intelligence and Information Sharing | $352,891 | 7.09% |
| Planning | $4,626,756 | 92.91% |
| **Total** | **$4,979,647** | **100%** |

| Solution Area | Amount of Proposed Funding | Percent of Proposed Funding |
|---|---|---|
| Planning | $4,196,624 | 84.3% |
| Organization | $783,023 | 15.7% |
| Equipment | | |
| Training | | |
| Exercises | | |
| **Total** | **$4,979,647** | **100%** |

| # | Name | Description | Step | Start (mm/yyyy) | End (mm/yyyy) | Funding Amount |
|---|---|---|---|---|---|---|
| 1 | Secretariat Support | Secretariat Support | Planning | 10/2012 | 09/2014 | $783,023 |
| 2 | Regional Emergency Planning | Regional Emergency Planning | Planning | 10/2012 | 09/2014 | $2,875,000 |
| 3 | Regional Coordination (NOVA) | Regional Coordination (NOVA) | Planning | 10/2012 | 09/2014 | $622,000 |
| 4 | State Support for VA | State Support for VA | Planning | 10/2012 | 09/2014 | $599,624 |
| 5 | MEMA Regional Administrator | MEMA Regional Administrator | Planning | 10/2012 | 09/2014 | $100,000 |

**IV.G - Does this investment require new construction or renovation, retrofitting, or modification of existing structures?**
No

**V.A - Outcomes to be achieved**

**Describe the outcomes that will be achieved as a result of this Investment. The outcomes should demonstrate improvement towards building capabilities described in Baseline tab. (1,500 char max)**

This Investment will sustain and enhance the National Capital Region's regional planning and coordination capabilities. Through the continued funding of local and regional planners and governance, coordination and working group support, this Investment will achieve the following outcomes:

* Every jurisdiction in the NCR reporting 100% compliance with the CPG 101 requirements for local emergency operations plans, and an up-to-date compliance report for the Emergency Management Accreditation Program (EMAP).

* The Emergency Management Mutual Aid Operations Plan and the Regional Emergency Coordination Plan and Annexes will be reviewed and updated.

* Am Emergency Planning Workshop will be held to develop new planning policies and processes, based on the Comprehensive Preparedness Guide 101, Presidential Policy Directive–8 and regional updates, to enhance planning skills and practices in the region.

* Plans completed through prior planning investments will be updated to reflect developments of additional capabilities or other changes since they were first written.

* Conduct assessment of prioritized regional plans to identify deficiencies/gaps, update the NCR Plans Matrix and report progress.

Finally, the primary outcome of this Investment will be that the National Capital Region's robust and well-coordinated planning effort will remain up-to-date, and each of the jurisdictions contained therein will have accurate, current and coordinated emergency plans.


(End of Investment #8.)

# Investment #9

**Investment Name:**          Exercise and Training

**Investment Phase:**         Ongoing

**Multi-Applicant Investment:**   No

## I. Overview - Investment #9

**If the Investment is ongoing, identify up to three Investment(s) from prior year(s) to include:(FY 2008 - FY 2011)**

Note: Applicants may select up to **three** Investments. Within the GRT, applicants will *only* have the ability to select previously funded Investments from a drop-down menu.

| Year | Investment Name | HSGP Funding Amount |
|------|-----------------|---------------------|
| 2010 | Exercise and Training | $6,662,244.00 |
| 2011 | Training and Exercises | $2,905,877.00 |

### I.C. - Funding Program

| Program | Funding Amount |
|---------|----------------|
| UASI | $6,148,677 |

### I.D - Capabilties Building

Maintaining existing capabilitise.

### I.E - Investment description

**Provide a description of this Investment, including the planning, organization, equipment, training, and/or exercises that will be involved. (2,500 char. max)**

This Investment supports the ongoing activities in the National Capital Region (NCR) to conduct exercises and provide training to first responders.

The NCR's training and exercise structure consists of fourteen full-time staff support positions for training and exercise activities in the jurisdictions of the NCR to perform training and exercise work. These staff will be tasked with developing training programs and exercise scenarios and evaluations for their local jurisdictions and reporting the results to the region to assist in the allocation of future UASI resources.

In addition to the fourteen full-time staff support positions for training and exercise activities, this Investment will support eight staff positions in the major local jurisdictions of the NCR (District of Columbia, City of Alexandria, and Counties of Arlington, Fairfax, Loudoun, Prince William, Montgomery and Prince George's) that will be dedicated to collecting information on and ensuring compliance with the National Incident Management System (NIMS) and Incident Command System (ICS). These NIMS compliance officers will collect data on compliance and will assist the exercise and training personnel in providing additional ICS training opportunities.

Moreover, this Investment will support the ongoing training and exercises required to train the NCR's first responders. The District of Columbia Fire and Emergency Medical Services (FEMS) is looking to enhance its technical rescue training program.

The NCR's Incident Management Team (IMT), a task-force of many local jurisdiction elements that would set up a regional incident command structure during a major event, will continue to provide training for its members and conduct joint IMT exercises so the region is ready to field a well-trained team to manage an emergency incident.

Finally, this Investment will allow the District of Columbia Homeland Security and Emergency Management Agency (HSEMA) to further implement its comprehensive exercise and corrective action program, through the design, development, conduct and evaluation of exercises in coordination with District, NCR and Federal partners.

## II. Baseline - Investment #9

### II.A - Goals and Objectives

**Identify the goals and objectives in your State and/or Urban Area Homeland Security Strategy Supported by this Investment. (1,500 char. max)**

This Investment supports NCR Homeland Security Strategy Goal 4 "Ensure Development and Maintenance of Regional Core Capabilities" Objective 4.5 "Improve capacity to develop and coordinate plans among all NCR partners and ensure the availability of region-wide training and exercise programs to strengthen preparedness, response, and recovery efforts from all-hazards events" by developing and updating a matrix of training and exercises that meet HSEEP standards in order to maintain core regional capabilities. This Investment further supports this objective by funding staff positions in the main NCR jurisdictions for the purpose of training and exercising the region's capabilities. Additionally, this Investment will sustain the region's training and exercise programs, as well as prepare NCR first responders.

### II.B - Existing capability levels

**Describe existing capability levels that address the identified goals/objectives and what will be in place to support the investment <u>prior</u> to the use of FY 2012 funds. (1,500 char. max)**

The NCR currently funds fourteen exercise and training and eight NIMS compliance officer positions, allowing the NCR to stay current with training requirements and local needs and to keep track of first responder exercise and training attendance. Prior training include explosive breaching, improvised explosive device (IED) and situational awareness, active shooter, communications, disaster recovery and WebEOC. The officers also coordinate the region's participation in major exercises, provide ICS training and prepare their jurisdiction's annual NIMSCAST report.

FEMS operates under standard operating procedures that require fire and rescue personnel to be trained to specific hazards according to their specific assignment and job responsibilities. This approach assures a competent, skilled response.

The NCR Incident Management Team is a multi-disciplinary team comprised of 125 members capable of managing a significant Type 2 incident for up to fourteen days. Each member must be trained and certified in a minimum of two ICS positions. The IMT maintains an extensive equipment cache for team operations during extended periods.

HSEMA conducts numerous exercises for the Mayor and Cabinet, representatives from emergency support functions (ESF) lead and support agencies, the public and external stakeholders. HSEMA also developed the District of Columbia's Multi-Year Training and Exercise Workshop and Multi-Year Training and Exercise Plan.

### II.C - Capability gap(s)

**Explain the capability gap(s) that this Investment is intended to address. (1,500 char. max)**

The NCR is constantly testing and evaluating different aspects of its homeland security preparedness capability. This Investment will give each of the local jurisdictions the staff resources to evaluate its own capabilities and also participate in regional capability assessments.

The current training and exercise areas that require additional regional attention and assistance are: law enforcement training; technical rescue training; five-year exercise program; testing evacuation plans; testing regional intelligence information sharing capabilities; evaluating continuity of operations plans; and ensuring NIMS compliance by training all required individuals.

Due to recent retirements and promotions, FEMS needs to conduct a number of technical rescue training courses to satisfy the requirements of its standard operating procedures and maintain a well-trained corps of first responders.

As part of its comprehensive exercise program, HSEMA identified 235 corrective actions from 11 after action reports and improvement

plans. Of those, 188 (80%) are exercisable, 76 of which could be addressed through training seminars, 43 through tabletop exercises, 31 through functional exercises, and 38 through full-scale exercises.

**Core Capability 1:** Environmental Response/Health and Safety
**Core Capability 2:** Health and Social Services
**Core Capability 3:** Intelligence and Information Sharing
**Core Capability 4:** Mass Care Services
**Core Capability 5:** Mass Search and Rescue Operations
**Core Capability 6:** On-scene Security and Protection
**Core Capability 7:** Operational Communications
**Core Capability 8:** Operational Coordination
**Core Capability 9:** Planning
**Core Capability 10:** Public Health and Medical Services
**Core Capability 11:** Public Information and Warning
**Core Capability 12:** Screening, Search, and Detection
**Core Capability 13:** Situational Assessment

**I.C. - Funding Program**

| Program | Funding Amount |
|---|---|
| UASI | $6,148,677 |

**IV.B - Fusion Center:**
**Please note that all fusion center-related funding requests <u>must be consolidated into a single Investment per funding source</u> (e.g., SHSP, UASI) in which recognized fusion centers reside.**
No

**If applicable, how much of this Investment will be obligated towards Law Enforcement Terrorism Prevention Activities (LETPA):** $363,500

| Core Capability | Amount of Proposed Funding | Percent of Proposed Funding |
|---|---|---|
| Environmental Response/Health and Safety | $1,715,250 | 27.9% |
| Health and Social Services | $50,000 | 0.81% |
| Intelligence and Information Sharing | $376,000 | 6.12% |
| Mass Care Services | $396,000 | 6.44% |
| Mass Search and Rescue Operations | $502,830 | 8.18% |
| On-scene Security and Protection | $50,000 | 0.81% |
| Operational Communications | $173,200 | 2.82% |
| Operational Coordination | $1,094,197 | 17.8% |
| Planning | $500,000 | 8.13% |
| Public Health and Medical Services | $500,000 | 8.13% |
| Public Information and Warning | $100,000 | 1.63% |
| Screening, Search, and Detection | $87,500 | 1.42% |
| Situational Assessment | $603,700 | 9.82% |
| **Total** | **$6,148,677** | **100%** |

| Solution Area | Amount of Proposed Funding | Percent of Proposed Funding |
|---|---|---|
| Planning | $189,378 | 3.1% |
| Organization | $13,318 | 0.2% |
| Equipment | $17,000 | 0.3% |
| Training | $3,344,875 | 54.4% |
| Exercises | $2,584,106 | 42% |
| **Total** | **$6,148,677** | **100%** |

| # | Name | Description | Step | Start (mm/yyyy) | End (mm/yyyy) | Funding Amount |
|---|---|---|---|---|---|---|
| 1 | Incident Management Team | Incident Management Team | Execution | 10/2012 | 09/2014 | $123,496 |
| 2 | NIMS Officers | NIMS Officers | Execution | 10/2012 | 09/2014 | $1,000,000 |
| 3 | Exercise and Training Officers | Exercise and Training Officers | Execution | 10/2012 | 09/2014 | $1,750,000 |

| 4 | ETOP: All Exercise and Training Proposals | ETOP: All Exercise and Training Proposals | Execution | 10/2012 | 09/2014 | $1,928,830 |
| 5 | DC HSEMA 5 Year Exercise Program | DC HSEMA 5 Year Exercise Program | Execution | 10/2012 | 09/2014 | $300,771 |
| 6 | DC FEMS Technical Rescue Training | DC FEMS Technical Rescue Training | Execution | 10/2012 | 09/2014 | $445,580 |
| 7 | Prince George's County Mass Evacuation and Mass Care Exercise | Prince George's County Mass Evacuation and Mass Care Exercise | Execution | 10/2012 | 09/2014 | $600,000 |

**IV.G - Does this investment require new construction or renovation, retrofitting, or modification of existing structures?**
No

### V.A - Outcomes to be achieved

**Describe the outcomes that will be achieved as a result of this Investment. The outcomes should demonstrate improvement towards building capabilities described in Baseline tab. (1,500 char max)**

This Investment will sustain and enhance the National Capital Region's exercise and training programs by achieving the following outcomes.

The NCR will conduct one functional exercise, two major regional seminars before 2014 and various training courses for hundreds of first responders. The exercise and training officers will also create a five-year training and exercise plan to identify areas of weakness and address them, to include evaluations of the local jurisdiction emergency evacuation and operations plans.

The NIMS officers will submit the annual NIMSCAST report and will work on any shortfalls in jurisdiction compliance. NIMS officers will also carry out the ongoing ICS training efforts.

The FEMS technical rescue program will train 21 personnel in rope rescue, 32 in confined space, 21 in trench rescue, 47 in swiftwater rescue, 50 in collapse, 50 in hazmat incident commander, 36 in aircraft rescue and fire fighting, and 20 captains in safety.

The NCR Incident Management Team will continue the NCR's commitment to maintaining a regional incident management capability that can deal with anything up to a Type-2 Incident Management Team requirement.

Finally, HSEMA will develop and execute a risk-based exercise program that will focus on those capabilities necessary for managing the greatest risks the District confronts, as well as those areas with the largest gaps between current and required capabilities.

(End of Investment #9.)

# Investment #10

## Investment Information - Investment #10

**Investment Name:** Health and Medical Preparedness

**Investment Phase:** Ongoing

**Multi-Applicant Investment:** No

## I. Overview - Investment #10

**If the Investment is ongoing, identify up to three Investment(s) from prior year(s) to include:(FY 2008 - FY 2011)**

Note: Applicants may select up to **three** Investments. Within the GRT, applicants will *only* have the ability to select previously funded Investments from a drop-down menu.

| Year | Investment Name | HSGP Funding Amount |
|---|---|---|
| 2008 | 4. Health & Medical Readiness and Response | $16,682,215.00 |
| 2010 | Public Health Planning | $5,923,146.00 |
| 2011 | Mass Care | $2,441,390.00 |

**I.C. - Funding Program**

| Program | Funding Amount |
|---|---|
| UASI | $7,120,584 |

**I.D - Capabilties Building**

Maintaining existing capabilitise.

**I.E - Investment description**

**Provide a description of this Investment, including the planning, organization, equipment, training, and/or exercises that will be involved. (2,500 char. max)**

This Investment will enhance the National Capital Region's (NCR) care for the victims of a major disaster in the region by improved public health planning, enhanced resiliency of critical hospitals, improved patient tracking and equipment for mass casualty triage and mass care.

The NCR jurisdictions will complete an ongoing project to create and update public health plans identified as critical by the region's Health and EMS preparedness working group. These plans are drawn from the standards laid out by Project Public Health Ready (PPHR) and the 15 Public Health Preparedness Capabilities developed by the U.S. Centers for Disease Control & Prevention (CDC).

The NCR will also complete its effort to ensure that critical regional hospitals (especially those that have specialized capability for trauma, burns and pediatric care) are resilient to disaster-related utility outages. This Investment will create external power hook-up connections at 5 hospitals to enable external generators to provide power in the event of an extended power outage.

This Investment will also sustain the region's capacity to care up to 29,000 people after a disaster. The region will replace/refresh equipment and supplies pre-staged in jurisdictions throughout the NCR as well as larger caches of supplies, equipment and vendor managed inventories that provide the capacity to respond to larger disasters. Additional caches of emergency medical services (EMS) equipment for the region's 7 Medical Care Support Units and 7 Medical Ambulance Buses will also be refreshed/replenished.

This NCR will also continue development of its region wide patient tracking system by purchasing 285 additional hand-held devices for EMS crews and will sustain and improve the existing patient tracking system software.

## II.A - Goals and Objectives

**Identify the goals and objectives in your State and/or Urban Area Homeland Security Strategy Supported by this Investment. (1,500 char. max)**

This Investment supports several Objectives within NCR Homeland Security Strategic Plan Goal 4 "Ensure development and maintenance of core capabilities... including mass casualty, health care system surge, and mass prophylaxis, mass care and evacuation, etc."

The Investment supports Objective 4.1 "Increase the region's capacity for medical surge preparedness and response to an all-hazards event to reduce deaths and injuries" by providing greater resilience to key hospitals, enabling them to operate in power outages for an extended period of time. Additionally the patient tracking system will allow improved management of a surge of patients needing care after a disaster. The Investment will also support this Objective by sustaining/replacing caches of equipment for emergency medical services.

Objective 4.2 "Improve the region's capacity to evacuate and provide mass care for the public, including special needs individuals, when impacted by an all-hazards event" by maintaining existing mass shelter/mass care capabilities to help the jurisdictions in the NCR meet its obligation to care for the whole community in a disaster.

Objective 4.5 "Improve capacity to develop and coordinate plans among all NCR partners" will be supported through the completion of additional public health and emergency medical response plans in the local jurisdictions of the NCR.

## II.B - Existing capability levels

**Describe existing capability levels that address the identified goals/objectives and what will be in place to support the investment <u>prior</u> to the use of FY 2012 funds. (1,500 char. max)**

The NCR has used prior UASI grant funds in 2008, 2010 and 2011 to develop public health and emergency medical service plans in the 8 primary local jurisdictions. Many are completed but several still need to be finished, including mass fatality plans, medication distribution plans and updates to medical surge plans.

The local hospitals all have internal backup generator capability for up to 96 hours, but some have no ability to accept power from an external generator which would be necessary after 96 hours. Five key hospitals have been identified for this need and the design/engineering work has already been completed for the power hookup installation.

The NCR has the capacity to shelter/feed up to 29,000 residents after a disaster, with a network of shelters, 56 supplies trailers deployed throughout the NCR and 2 warehouse sites available and ready for rapid deployment in the event of an emergency. For mass casualty events the NCR has 7 medical care support units, each capable of caring for 100 patients and 7 medical ambulance buses, each capable of transporting up to 20 patients.

The NCR currently has 600 EMS crews with patient tracking devices. Three instances of the software (one in each state) receive information from these hand-held mobile computers. EMS providers can enter patient information at the point of treatment and hospitals are alerted of the patients intended for them, and transfers are automatically tracked.

## II.C - Capability gap(s)

**Explain the capability gap(s) that this Investment is intended to address. (1,500 char. max)**

Public health and EMS planning has made great progress in the last 3-4 years but several plans in local jurisdictions need to be completed or updated to meet all of the PPHR and CDC planning standards. Each jurisdiction is at a different stage in plan completion but most still need to complete mass fatality plans, medical distribution plans and to update medical surge plans. These efforts are underway and must be completed.

Five key regional hospitals do not have the ability to accept an external power supply in the event of a power outage that lasts longer than 96 hours. This Investment will install external power hook-ups at those locations.

The NCR's goal is to equip all of the EMS crews with patient tracking system access, and so far only 600 have it. After action reports of the Presidential Inauguration and the 2009 Metro crash have indicated the need for improved visibility of the number of patients involved in a particular incident in order to determine the number of resources required for response and equitable distribution of patients to all area hospitals as to not overwhelm one particular facility.

The region's mass care equipment caches and mass casualty EMS equipment caches for the medical care support units and ambulance buses need to be replenished and/or replaced as the supplies reach the end of their normal shelf life. Funding will be used to rotate the inventory appropriately.

**Core Capability 1:**  Infrastructure Systems
**Core Capability 2:**  Mass Care Services
**Core Capability 3:**  Planning
**Core Capability 4:**  Public Health and Medical Services

**I.C. - Funding Program**

| Program | Funding Amount |
|---|---|
| UASI | $7,120,584 |

**IV.B - Fusion Center:**
**Please note that all fusion center-related funding requests <u>must be consolidated into a single Investment per funding source</u> (e.g., SHSP, UASI) in which recognized fusion centers reside.**
No

**If applicable, how much of this Investment will be obligated towards Law Enforcement Terrorism Prevention Activities (LETPA):** $0

| Core Capability | Amount of Proposed Funding | Percent of Proposed Funding |
|---|---|---|
| Infrastructure Systems | $1,190,000 | 16.71% |
| Mass Care Services | $370,913 | 5.21% |
| Planning | $2,062,500 | 28.97% |
| Public Health and Medical Services | $3,497,171 | 49.11% |
| **Total** | **$7,120,584** | **100%** |

| Solution Area | Amount of Proposed Funding | Percent of Proposed Funding |
|---|---|---|
| Planning | $3,820,538 | 53.7% |
| Organization | | |
| Equipment | $3,300,046 | 46.3% |
| Training | | |
| Exercises | | |
| **Total** | **$7,120,584** | **100%** |

| # | Name | Description | Step | Start (mm/yyyy) | End (mm/yyyy) | Funding Amount |
|---|---|---|---|---|---|---|
| 1 | Health Planning | Health Planning | Planning | 10/2012 | 09/2014 | $2,062,500 |
| 2 | NCR EMS Patient Tracking | NCR EMS Patient Tracking | Execution | 10/2012 | 09/2014 | $2,927,171 |
| 3 | Mass Casualty Care Capability Enhancement and Maintenance | Mass Casualty Care Capability Enhancement and Maintenance | Execution | 10/2012 | 09/2014 | $570,000 |
| 4 | Mass Care Cache Maintenance | Mass Care Cache Maintenance | Execution | 10/2012 | 09/2014 | $370,913 |
| 5 | NCR Hospital Power Resiliency | NCR Hospital Power Resiliency | Execution | 10/2012 | 09/2014 | $1,190,000 |

**IV.G - Does this investment require new construction or renovation, retrofitting, or modification of existing structures?**
No

### V.A - Outcomes to be achieved

**Describe the outcomes that will be achieved as a result of this Investment. The outcomes should demonstrate improvement towards building capabilities described in Baseline tab. (1,500 char max)**

This Investment will significantly enhance the NCR's medical and mass care capabilities to deal with a major disaster. The Investment will improve on prior work completed with UASI grants that have already produced significant results. The local public health and EMS providers will complete an ongoing health planning project that will bring them into compliance with the PPHP and CDC planning standards. The primary local hospitals that would not be able to operate in an extended power outage will be outfitted with external power inputs so that an external generator could keep them running indefinitely during a major power outage. The region's existing mass casualty and mass care equipment/supplies caches will be refreshed to ensure that the NCR's capacity to provide services to the victims of a major disaster remains at a high level. Finally, the region will expand its growing patient tracking system by providing additional hand-held devices to EMS crews in the field as well as improve the software capabilities of the core system for tracking patients and displaying hospital and EMS status.

(End of Investment #10.)