

Summer Sizzle Demonstration Series

July 18-24, 2008

Harrisburg



National Capital Region



Hampton Roads



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Key Points of Discussion

1. Expected outcomes
2. H.R. 1 Strategic goals & objectives
3. HHS Strategic goals & objectives
4. Ground rules
5. Assumptions
6. Summer Sizzle objectives
7. Scenario overviews and objectives
8. Performance measures



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Expected Outcomes

1. Education outreach and training
2. Federal Information Processing Standard (FIPS) 201 familiarization & value added
3. Federal and Mutual Aid multi-jurisdictional interoperability
4. H.R.1 credentialing & typing interoperability
5. Near real-time geospatial display of human resource situational awareness
6. Post-event reconstruction for accountability, traceability, and liability



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H.R. 1 Strategic Goals & Objectives

- FEMA will collaborate with Health and Human Services (HHS) to provide medical surge capacity
- An integrated approach that strengthens the Nation's ability to address disasters, emergencies, and terrorist events
- Reliable information at the right time for all users
- Reinforces the Nation's distributed all-hazards incident management structure
- Supports a National approach to disaster recovery



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HHS Strategic Goals & Objectives

- Prepare for and respond to natural and man-made disasters
- Lead and promote strategic partnerships
- Enhance the preparedness and response infrastructure
- Improve coordination, timeliness, and effectiveness of preparedness planning and response operations



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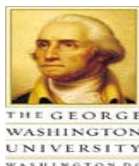


Ground Rules

1. Targeted participants will possess a FIPS 201 interoperable credential or valid state-issued driver's license
2. All State and local healthcare participants are certified and licensed healthcare professionals categorized under the NRF ESF 8 attribute as public health and healthcare officials with HHS/FEMA approved sub-category skill sets
3. Targeted participants will enter their personal identification number (PIN) into handhelds as requested by relying parties for robust identity validation
4. All relying parties are emergency response officials trained to operate the handheld devices to make informed decisions for emergency access control



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Assumptions (Issuance/Attribute Assignment/Validation)

1. ALL SCENARIOS ARE SIMULATED
2. Federal participants will possess agency-issued HSPD 12 / FIPS 201 credentials
3. Non-Federal participants will possess FIPS 201 interoperable credentials that were issued through a trusted process in accordance with the Federal Bridge Certificate Authority (FBCA)
4. Electronic attributes will be assigned in accordance with:
 - National Response Framework (NRF) Emergency Support Functions (ESF)
 - National Infrastructure Protection Plan (NIPP) Sector Functions
 - National Continuity Policy Implementation Plan (NCPIC) Essential Government Functions
5. Healthcare volunteers will be accredited using the requirements of Emergency System for the Advance Registration of Volunteer Health Professionals (ESAR-VHP)
6. Relying parties will electronically validate all identities and attributes of emergency response officials before granting access



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Summer Sizzle Objectives

- Collaboration between FEMA and HHS for medical surge capacity
- Validation of National Preparedness model standard framework
- Validation of production Federal and Mutual Aid FIPS 201 interoperable credentials
- Validation of emergency response official attribute repository process and use
- Validation of geospatial human resource situational awareness
- Validation of strengthened incident command & management systems

“Federal & Mutual Aid Collaboration to achieve Robust Interoperability”



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Scenario Overview and Objectives

Scenario #1: Mass Casualty Medical Surge

Multiple explosions occur simultaneously in Harrisburg, Pennsylvania and the National Capital Region resulting in mass casualty medical surge of specific skill sets at area hospitals

Objective: FIPS 201 electronic validation of ESF 8 “Public Health and Medical Services” medical surge Emergency Response Officials (ERO) with HHS/FEMA approved sub-category skill sets and the geospatial display of access control information

Scenario #2A & B: Hampton Roads Public & Private Sector Credential Issuance & Validation

A category 4 hurricane in Hampton Roads, Virginia, resulted in mutual aid support from both the public and private sectors to include critical infrastructure/key resource (CI/KR) assets to restore damage

Objective: State-sponsored FIPS 201 issuance and electronic validation of public and private sector Hampton Roads EROs and the geospatial display of access control information

Scenario #3: NCR Public & Private Sector Disaster Response

The category 4 hurricane that hit Hampton Roads proceeded up the Chesapeake Bay and hit the NCR resulting in mutual aid support from both the public and private sectors to include CI/KR resource asset to restore damage

Objective: FIPS 201 electronic validation or driver’s license verification of public and private sector EROs and the geospatial display of access control information



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Scenario #1: Mass Casualty Medical Surge (HHS/FEMA approved sub-category skill set validation)

Demonstration Date (time): 21 July 2008 (1-2pm)

Participants:

Federal: FEMA & HHS

Public Sector: Commonwealth of Pennsylvania (PA)

Private Sector: The George Washington University Hospital (GW)

Objective:

To enable the trusted validation and sharing of medical surge volunteers' sub-category skill set information between jurisdictions in an emergency

Expected Outcomes:

FIPS 201-enabled electronic validation and geospatial information exchange of medical surge volunteers' HHS/FEMA approved sub-category skill sets and qualifications and post-event reconstruction for accountability, traceability, and liability



Scenario #2A: “Hampton Roads Just-in-Time Issuance”

Demonstration Date (time): 18 July 2008 (9am-5pm)

Participants:

Hampton Roads public and private sector senior mutual aid emergency response officials (EROs)

Objective:

To issue state-sponsored FIPS 201-interoperable First Responder Authentication Credentials (FRACs) to approximately 50 Hampton Roads senior mutual aid public & private sector EROs

Expected Outcomes:

100% issuance of FRACs

100% electronic validation of issuance and ESF attribute or CI/KR affiliation assignment



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Scenario #2B: Hampton Roads Public & Private Sector Mutual Aid Validation

Demonstration Date (time): 22 July 2008 (10am-12pm)

Participants:

Hampton Roads public and private sector senior mutual aid emergency response officials (EROs)

Objective:

To electronically validate on scene public & private sector EROs who possess state-sponsored FIPS 201-interoperable First Responder Authentication Credentials (FRACs) and geospatially disseminate this information to emergency operations centers (EOCs)

Expected Outcomes:

100% electronic validation and geospatial exchange/display of EROs with FRACs

100% post-event access control reconstruction for accountability, traceability, liability



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Scenario #3: NCR Public & Private Sector Mutual Aid Validation

Federal



State and Local



Private



Volunteers



Standard enables process to include:

- State to State
- State to Local
- Local to Local
- Private to Government
- Private to Private
- Mission assignment

Electronic identity validation to include:

1. FIPS 201 interoperable credential
2. FIPS 201-enabled ESF Attribute or CI/KR Affiliation
3. State-issued driver's license



RSOI = Receiving Staging Operations Integration



Standardized credentialing process

Sample Data Sheet

Personnel	Location	Device	ESF	CI/KR	State	Agency	Role	Notes
10100001	10100001	10100001	10100001	10100001	10100001	10100001	10100001	10100001
10100002	10100002	10100002	10100002	10100002	10100002	10100002	10100002	10100002
10100003	10100003	10100003	10100003	10100003	10100003	10100003	10100003	10100003
10100004	10100004	10100004	10100004	10100004	10100004	10100004	10100004	10100004
10100005	10100005	10100005	10100005	10100005	10100005	10100005	10100005	10100005
10100006	10100006	10100006	10100006	10100006	10100006	10100006	10100006	10100006
10100007	10100007	10100007	10100007	10100007	10100007	10100007	10100007	10100007
10100008	10100008	10100008	10100008	10100008	10100008	10100008	10100008	10100008
10100009	10100009	10100009	10100009	10100009	10100009	10100009	10100009	10100009
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10100011	10100011	10100011	10100011	10100011	10100011	10100011	10100011	10100011
10100012	10100012	10100012	10100012	10100012	10100012	10100012	10100012	10100012
10100013	10100013	10100013	10100013	10100013	10100013	10100013	10100013	10100013
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10100017	10100017	10100017	10100017	10100017	10100017	10100017	10100017	10100017
10100018	10100018	10100018	10100018	10100018	10100018	10100018	10100018	10100018
10100019	10100019	10100019	10100019	10100019	10100019	10100019	10100019	10100019
10100020	10100020	10100020	10100020	10100020	10100020	10100020	10100020	10100020

Provides a real-time roster

Allows For:

- accountability
- traceability
- liability



(enables post-event reconstruction)



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Scenario #3: NCR Public & Private Sector Mutual Aid Validation

Demonstration date (time): 24 July 2008 (9am-12pm)

Participants:

NCR Federal, public and private sector emergency response officials

Objective:

To electronically validate and trust Federal, public and private sector F/EROs who possess FIPS 201 interoperable credentials or electronically verify state-issued driver's licenses and geospatially disseminate this information to emergency operations centers

Expected Outcomes:

- 100% electronic validation of F/EROs with FIPS 201 credentials
- 100% electronic verification of EROs with state-issued driver's licenses
- 100% geospatial dissemination and display of all access control data
- 100% post-event access control reconstruction for accountability, traceability, liability



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Performance Measures

1. 100% electronic validation of Federal agency-issued HSPD 12 / FIPS 201 compliant credentials in a worst case scenario environment (no communication and no power)
2. 100% electronic validation of State-issued mutual aid FRAC / FIPS 201 interoperable credentials in a worst case scenario environment (no communication and no power)
3. 100% electronic verification of non-FIPS 201 credentials (e.g. driver's licenses)
4. 100% Federal and non-Federal collaboration in a trusted and distributed medical environment
5. 100% electronic validation and accountability of on-scene medical surge assets with HHS / FEMA-approved sub-category skill sets
6. 100% electronic accountability of all on-scene participants and observers
7. 100% real-time geospatial visibility of human resource situational awareness
8. Post-event reconstruction for accountability, traceability, and liability



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Contact Information

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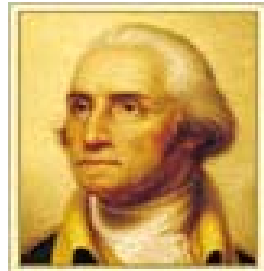
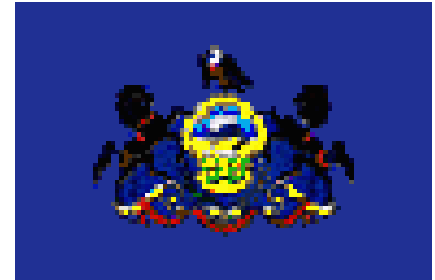
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