

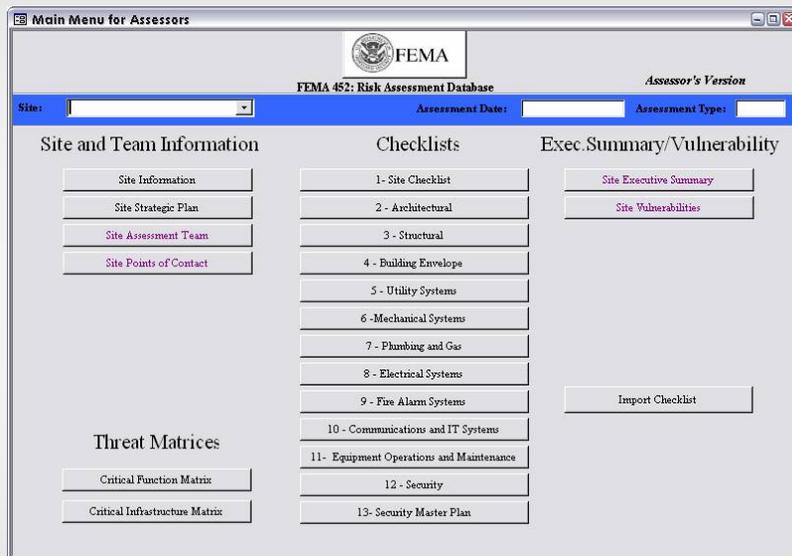
**FEMA 452:
Risk Assessment
Database**



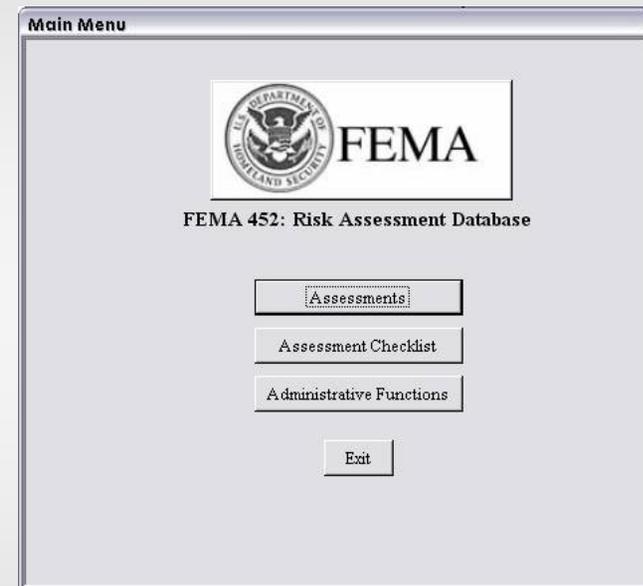
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Senior Security Specialist
TRyan@utdinc.com**

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8350 Alban Road
Suite 700
Springfield, VA 22150
703-440-8834**

FEMA 452: Database



Assessors Tool



Main Database

Database Structure



Build Assessment Tool

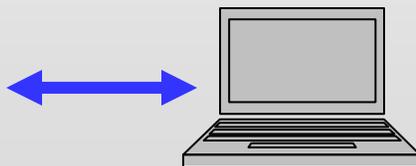
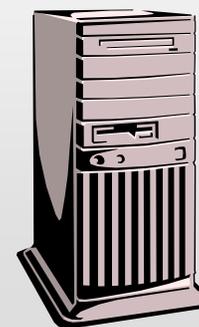
Analyze Data

Manager's Tool

Conduct Assessment

Return Files, Pictures, Data

Store Data (MS Access)



Assessor's Tool (MS Access)

Assessor's Database

Main Database (MS Access)



Assessment Tool

Main Menu for Assessors

 **FEMA**

FEMA 452: Risk Assessment Database Assessor's Version

Site: Assessment Date: Assessment Type:

Site and Team Information	Checklists	Exec. Summary/Vulnerability
<input type="button" value="Site Information"/>	<input type="button" value="1- Site Checklist"/>	<input type="button" value="Site Executive Summary"/>
<input type="button" value="Site Strategic Plan"/>	<input type="button" value="2 - Architectural"/>	<input type="button" value="Site Vulnerabilities"/>
<input type="button" value="Site Assessment Team"/>	<input type="button" value="3 - Structural"/>	
<input type="button" value="Site Points of Contact"/>	<input type="button" value="4 - Building Envelope"/>	
	<input type="button" value="5 - Utility Systems"/>	
	<input type="button" value="6 -Mechanical Systems"/>	
	<input type="button" value="7 - Plumbing and Gas"/>	
	<input type="button" value="8 - Electrical Systems"/>	
	<input type="button" value="9 - Fire Alarm Systems"/>	<input type="button" value="Import Checklist"/>
	<input type="button" value="10 - Communications and IT Systems"/>	
	<input type="button" value="11- Equipment Operations and Maintenance"/>	
	<input type="button" value="12 - Security"/>	
	<input type="button" value="13- Security Master Plan"/>	

Threat Matrices

<input type="button" value="Critical Function Matrix"/>
<input type="button" value="Critical Infrastructure Matrix"/>

Observations and Comment Form

Observations and Comments for Section Heading: Site

Site Name: Assessment Date: Type: Assess.ID:

Q#	Observation	Comment	Vuln?	Question	Guidance
1-1	The facility is located in the urban area of Site Three. There are rail lines and Interstates in the immediate area. There is not an internationally recognized high value facility in the immediate area.		<input type="checkbox"/>	What major structures surround the facility (site or building(s))? -- What critical infrastructure, government, military, or recreation facilities are in the local area that impact transportation, utilities, and collateral damage (attack at this facility impacting	Critical infrastructure to consider includes: - Telecommunications infrastructure - Facilities for broadcast TV, cable TV; cellular networks; newspaper offices, production, and distribution; radio stations; satellite base stations; telephone trunking and
1-2	The facility is not in a depression or low area. It is on a rise out of projected flood areas.		<input type="checkbox"/>	Does the terrain place the building in a depression or low area?	Depressions or low areas can trap heavy vapors, inhibit natural decontamination by prevailing winds, and reduce the effectiveness of in-place sheltering. - Reference: USAF Installation Force Protection Guide
1-3	The facilities are in a campus area. There are not public rights-a-way unacceptably close to the main buildings.		<input type="checkbox"/>	In dense, urban areas, does curb lane parking place uncontrolled parked vehicles unacceptably close to a building in public rights-of-way?	Where distance from the building to the nearest curb provides insufficient setback, restrict parking in the curb lane. For typical city streets this may require negotiating to close the curb lane. Setback is common terminology for the distance between a building and

Record: of 23 (Filtered)

Executive Summary Tab

Assessment Main Page

Site Name:

Assessment Location:

Assessment Date: Type:



Executive Summary | Vulnerabilities | POCs | Assessment Team | Photos | GIS Portfolio | Miscellaneous Files

Introduction	Observations	Recommendations
<p>▶ Three facilities (SiteX, SiteOne, and SiteTwo) integrated in November 1999 to become the newly formed, System. Each of the three divisions provide a unique array of health care services. The SiteTwo Division focuses on ambulatory and extended care, including geriatric and rehabilitation services.</p>	<p>The SiteTwo Site sits on 27 acres in the small town of SiteTwo. A major freight rail line is about 1/2 mile away, another is 2 miles away. Otherwise, this is a 76 bed nursing home (with outpatient clinics and an 18 bed substance abuse facility) in a quiet Midwest town.</p> <p>The SiteTwo Site lacks many of the basic security provisions common to most other sites. The campus is only about 30% fenced and has no operational vehicle gates. Vehicles and pedestrians are not screened on entry, and the site has no CCTV surveillance system. No doors are alarmed, however there are a number of infrared motion detectors in use.</p>	<p>This site deserves a major security upgrade. The fence line should be completed and operational gates installed. Vehicle and pedestrian screening procedures should be developed and practiced. A digital, color CCTV system should be installed and integrated with alarms and motion sensors. Pharmacy security should be upgraded. The Police Watch Station should be moved from near the Front Entrance to a more secure location. Finally, the police force should be expanded, and wearing protective equipment should be mandatory.</p> <p>The Outpatient, Ambulance and Loading Dock Entrance should be protected from vehicles.</p>

Record: of 1

Vulnerability Tab

Assessment Main Page

Site Name: SiteOne
Assessment Location: Facilities Mangement
Assessment Date: 6/22/2004 Type: Pre



Executive Summary Vulnerabilities POCs Assessment Team GIS Portfolio Miscellaneous Files

Building No	Vulnerability	Priority	Recommendations	Project Status / Cost	Extracted from Checklist Item
Site	The SiteOne Center has no CCTV surveillance system, inside or out.	1	Install a modern, digital CCTV surveillance system. Include color, PTZ cameras and monitors that allow operators to read license plates. Integrate the system with alarms and motion detectors.		
Site	There are no intercom call boxes in parking area or other remote locations.	4	Install intercom call boxes in strategic locations.		
Site	Magnetometers and x-ray machines are not used. The Police do not have a metal detecting wand.	1	Obtain a metal detecting wand for use in periodic screening of pedestrians.		
Site	Mail is not screened onsite.	3	Consider obtaining a small package x-ray machine to screen mail.		
Site	Alarms are not monitored by the Police, but	1	Build a Security Control Room with a console in place		

Record: 1 of 7

Close

This Screen reviews the vulnerabilities captured by the assessment process and provides a link to the Cost Data for the record that is selected.

Remediation Form

Remediations

Building No	Vulnerability	Priority	Recommendations
Site	The SiteOne Center has no CCTV surveillance system, inside or out.	1	Install a modern, digital CCTV surveillance system. Include color, PTZ cameras and monitors that allow operators to read license plates. Integrate the system with alarms and motion detectors.

Action	Date	Cost	Comments
▶ No Action		\$0	
Planned		\$0	
Underway		\$0	
Completed		\$0	

Close

This Form can be filled in by the user or the Database Manager to track the remediation records by: Action, Date, Cost, Comment

Assessment Team Import Function

Observations and Comments from REMOTE DATABASE

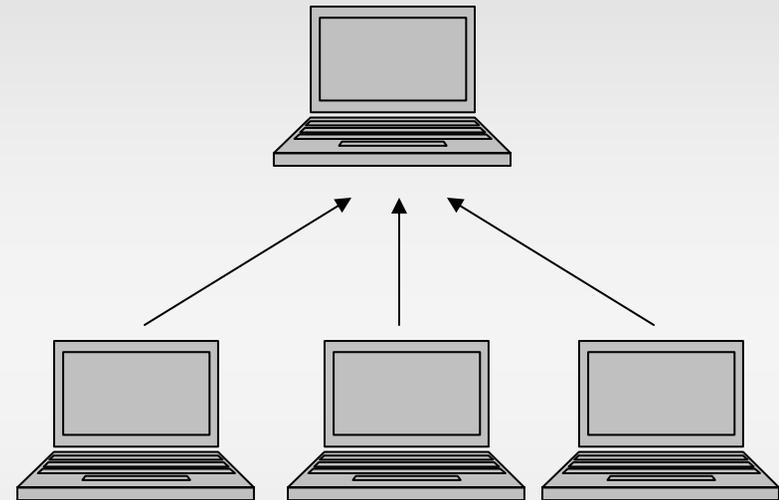
Site Name: SiteOne
Assessment Date: Pre Type: Pre Assess.ID: 148

<- COPY	Q#	Observation	Comment	Vuln?
<input type="checkbox"/>	1-1	The facility is located in the urban area of SiteThree. There are rail lines and Interstates in the immediate area. There is not an internationally recognized high value facility in the immediate area.		<input type="checkbox"/>
<input type="checkbox"/>	1-2	The facility is not in a depression or low area. It is on a rise out of projected flood areas.		<input type="checkbox"/>
<input type="checkbox"/>	1-3	The facilities are in a campus area. There are not public rights-a-way unacceptably close to the main buildings.		<input type="checkbox"/>

<- Update Local Copy Copy and OVERWRITE Copy and APPEND Close

Record: 1 of 23 (Filtered)

Lead Assessor

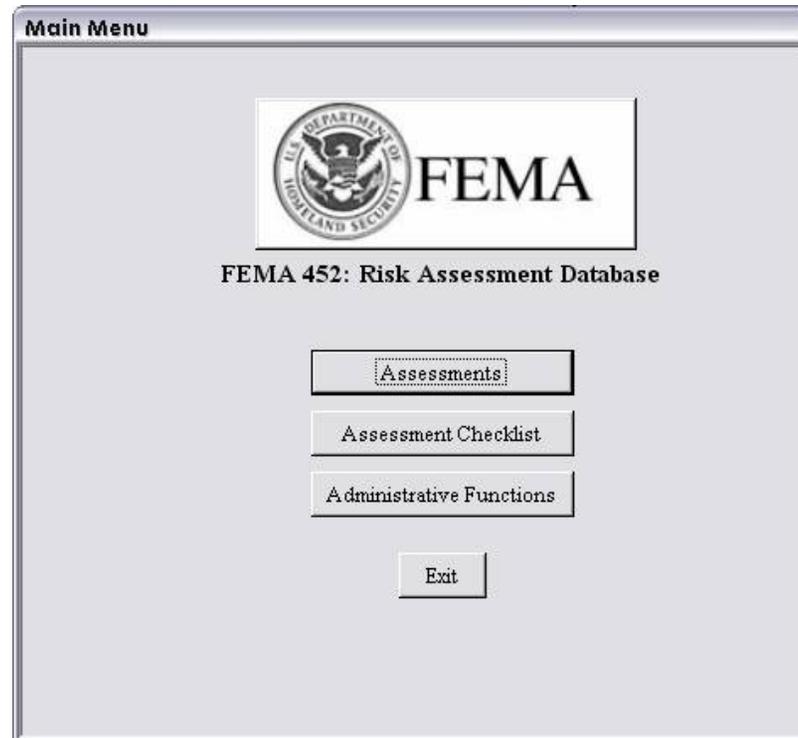


Assessment Team

This Form allows assessment team members to combine their data into one report on the one computer at the end of the assessment.

Database Manager Tool

**Build
Assessment
Tool**



**Analyze
Data**

Import Files

List of Assessments

List of Assessments

Assessment ID	Site Name	Assessment Location	Assessment Date	Assessment Type	Assessment Folder Name
148	SiteOne	Facilities Mangement	6/22/2004	Pre	SiteOne\
149	SiteTwo	Main Building	5/14/2004	Full	SiteTwo\
150	SiteThree	Storage Park	3/8/2004	Special	SiteThree\

Record: 1 of 3

Executive Summary Vulnerabilities Points of Contact Assessment Team Photos GIS Portfolio Miscellaneous Files

Assessment Checklist Critical Function Critical Infrastructure Strategic Site Plans Site Reports Other Reports Help Close

This screen provides the function for the Database Administrator to review and search the Data

Assessment Main Page

Assessment Main Page

Site Name:

Assessment Location:

Assessment Date: Type:



Executive Summary | Vulnerabilities | POCs | Assessment Team | GIS Portfolio | Miscellaneous Files

Introduction	Observations	Recommendations
<p>▶ Three facilities (SiteX, SiteOne, and SiteTwo) integrated in November 1999 to become the newly formed, System. Each of the three divisions provide a unique array of health care services. The SiteTwo Division focuses on ambulatory and extended care, including geriatric and rehabilitation services.</p>	<p>The SiteTwo Site sits on 27 acres in the small town of SiteTwo. A major freight rail line is about 1/2 mile away; another is 2 miles away. Otherwise, this is a 76 bed nursing home (with outpatient clinics and an 18 bed substance abuse facility) in a quiet Midwest town.</p> <p>The SiteTwo Site lacks many of the basic security provisions common to most other sites. The campus is only about 30% fenced and has no operational vehicle gates. Vehicles and pedestrians are not screened on entry, and the site has no CCTV surveillance system. No doors are alarmed, however there are a number of infrared motion detectors in use.</p>	<p>This site deserves a major security upgrade. The fence line should be completed and operational gates installed. Vehicle and pedestrian screening procedures should be developed and practiced. A digital, color CCTV system should be installed and integrated with alarms and motion sensors. Pharmacy security should be upgraded. The Police Watch Station should be moved from near the Front Entrance to a more secure location. Finally, the police force should be expanded, and wearing protective equipment should be mandatory.</p> <p>The Outpatient, Ambulance and Loading Dock Entrances should be protected from vehicles.</p>

Record: of 1



Assessment Checklists

Assessment Checklists

Site Name:

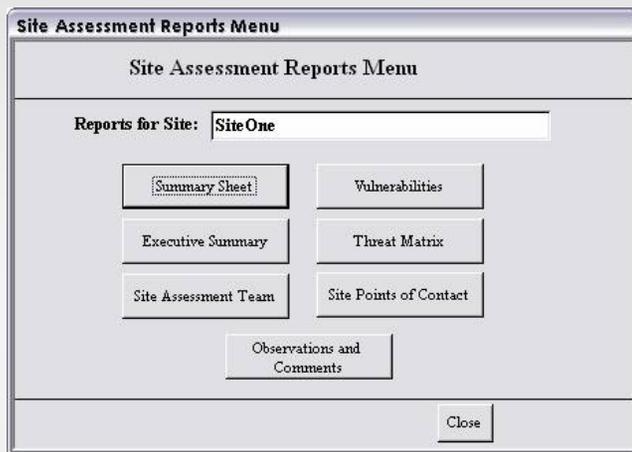
Assessment Location:

Assessment Date: Type:

Q#	Observation	Comment	Vuln?	Question
▶ 1-1	The facility is located in the urban area of SiteThree		<input type="checkbox"/>	What major structures surround the facility (site or buildi
1-2	The facility is not in a depression or low area. It is		<input type="checkbox"/>	Does the terrain place the building in a depression or low
1-3	The facilities are in a campus area. There are not p		<input type="checkbox"/>	In dense, urban areas, does curb lane parking place uncon
1-4	There is no perimeter fence around the facility. U	Consider the benefits of establishing a fence l	<input checked="" type="checkbox"/>	Is a perimeter fence or other types of barrier controls in
1-5	There are vehicle access points off Douglas Ave, Lo		<input type="checkbox"/>	What are the site access points to the site or building?
1-6	There are pedestrian sidewalks into the site separate		<input type="checkbox"/>	Is vehicle traffic separated from pedestrian traffic on the
1-7	There are no vehicle and pedestrian access controls	Vehicle and pedestrian access control and insj	<input checked="" type="checkbox"/>	Is there vehicle and pedestrian access control at the peri
1-8	There is space available to establish a vehicle inspec		<input type="checkbox"/>	Is there space for inspection at the curb line or outside th
1-9	Utility paths (utility tunnels, corridors, manholes, st		<input type="checkbox"/>	Is there any potential access to the site or building throu
1-10	There are no vehicle anti-ram devices on the perime	Establish passive vehicle barriers at the entra	<input checked="" type="checkbox"/>	What are the existing types of vehicle anti-ram devices i
1-11	There is not a anti-ram buffer zone around the build	Install passive barriers such as bollards, walls,	<input checked="" type="checkbox"/>	What is the anti-ram buffer zone stand-off distance from
1-12	There are no vehicle barriers at the perimeter of the	Install passive barriers such as bollards, walls,	<input checked="" type="checkbox"/>	Are perimeter barriers capable of stopping vehicles? -- W

Record: of 23

Reports



Site Assessment Reports Menu

Site Assessment Reports Menu

Reports for Site:

Summary Sheet	Vulnerabilities
Executive Summary	Threat Matrix
Site Assessment Team	Site Points of Contact
Observations and Comments	

Close

This screenshot shows a web application window titled "Site Assessment Reports Menu". It features a header with the same title, a text input field labeled "Reports for Site:" containing the text "SiteOne", and a grid of seven buttons. The buttons are arranged in three rows: the first row has "Summary Sheet" and "Vulnerabilities"; the second row has "Executive Summary" and "Threat Matrix"; the third row has "Site Assessment Team" and "Site Points of Contact". A fourth row contains a single button labeled "Observations and Comments". A "Close" button is located at the bottom right of the window.

Standard Assessment Report



Search Reports Menu

(Note: These reports search the entire database and are not limited to the Assessment you are currently viewing)

Search Observations and Comments
Search Vulnerabilities and Recommendations

Close

This screenshot shows a web application window titled "Search Reports Menu". It features a header with the same title, a note in parentheses stating "(Note: These reports search the entire database and are not limited to the Assessment you are currently viewing)", and a grid of two buttons. The first button is labeled "Search Observations and Comments" and the second is labeled "Search Vulnerabilities and Recommendations". A "Close" button is located at the bottom right of the window.

Data Search Report