

BUILDING DESIGN FOR HOMELAND SECURITY COOP T-t-T

Unit VI

FEMA 452

Risk Assessment Database



FEMA

FEMA 452: Risk Assessment



Risk Management Series

Risk Assessment

A How-To Guide to Mitigate Potential Terrorist Attacks
Against Buildings

FEMA 452 / January 2005

Available at: <http://www.fema.gov/plan/prevent/rms/rmsp452.shtm>



FEMA

Unit Objectives

Explain database install process, if not already installed

Identify where to save photos, maps, drawings, plans, etc. to interface with database

Explain information required for database to function within each screen, how to move between screens, and switch between assessment tool operating mode and master database operating mode

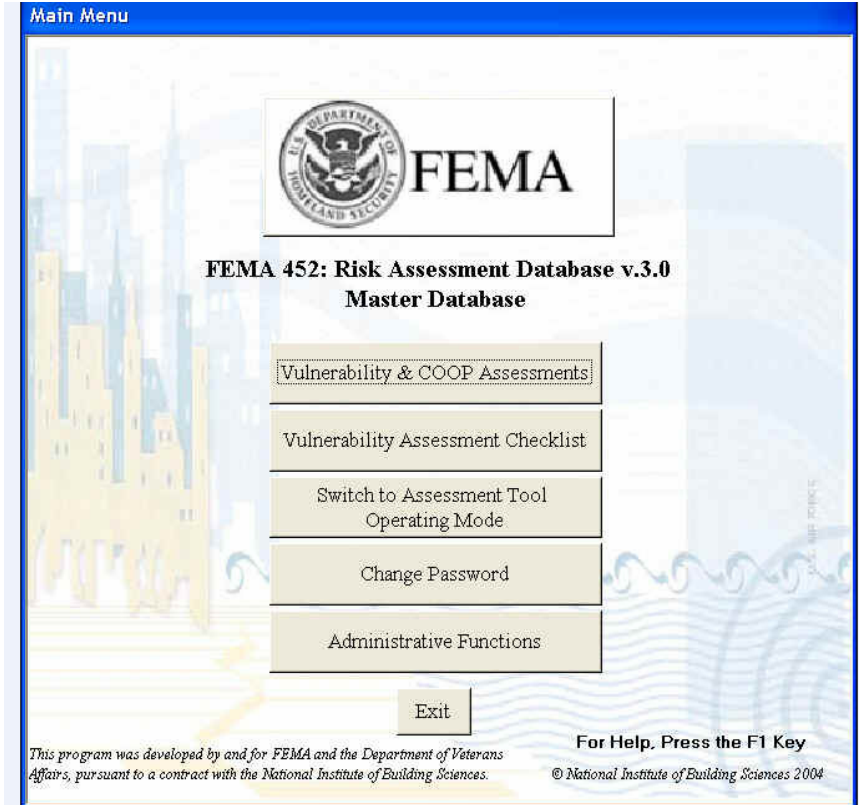
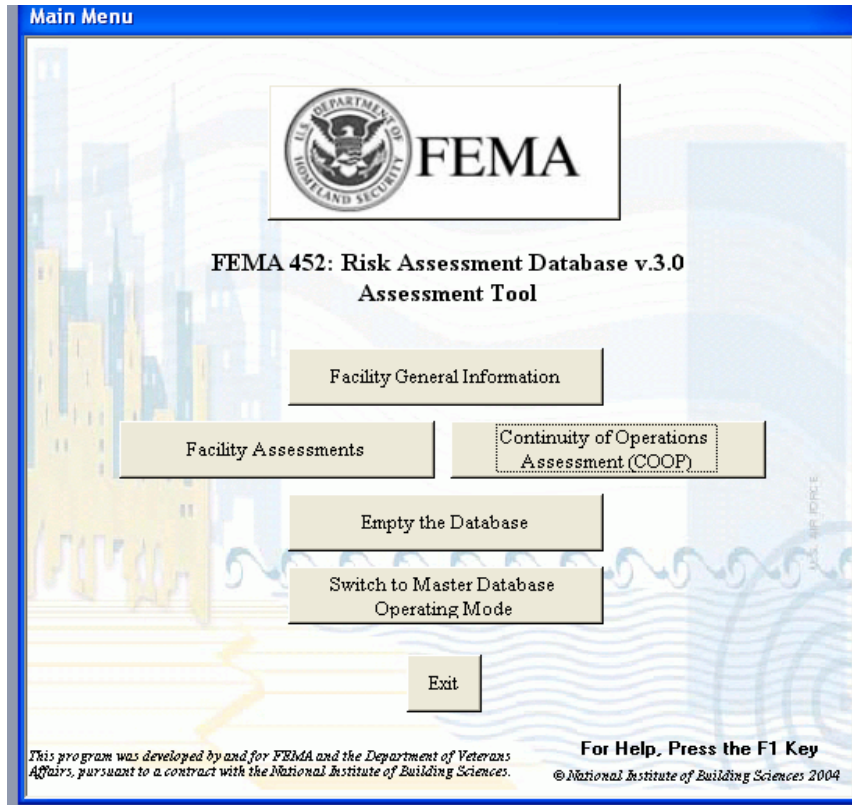
Explain benefit and approaches to setting priorities on identified vulnerabilities

Explain how to use database to produce standard reports and search database for specific information



FEMA

FEMA 452: Risk Assessment



Assessment Tool Mode

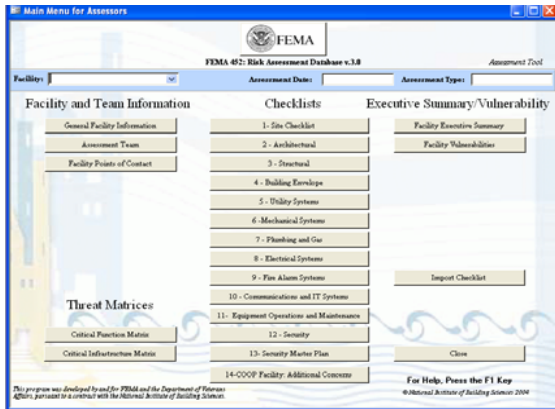
Master Database Mode



FEMA

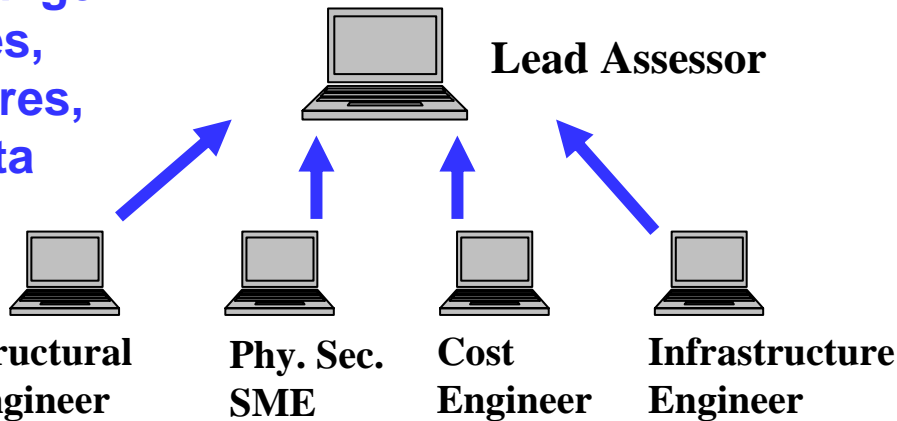
Database Structure

Conduct Assessment



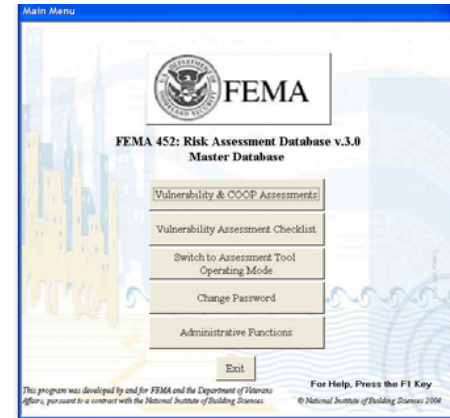
Assessment Tool Mode

Exchange
Files,
Pictures,
Data



FEMA

Manage Program



Master Database Mode



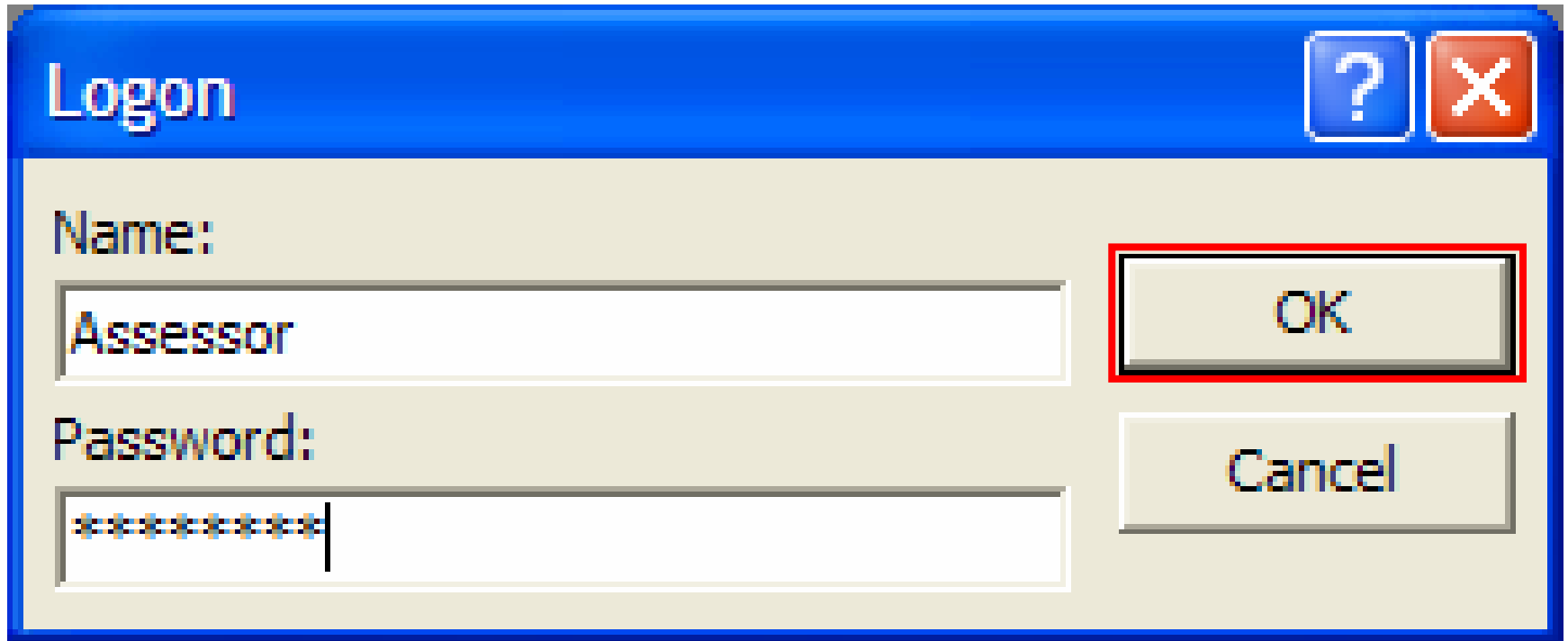
Import
Assessments

Open Database



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Login to Database

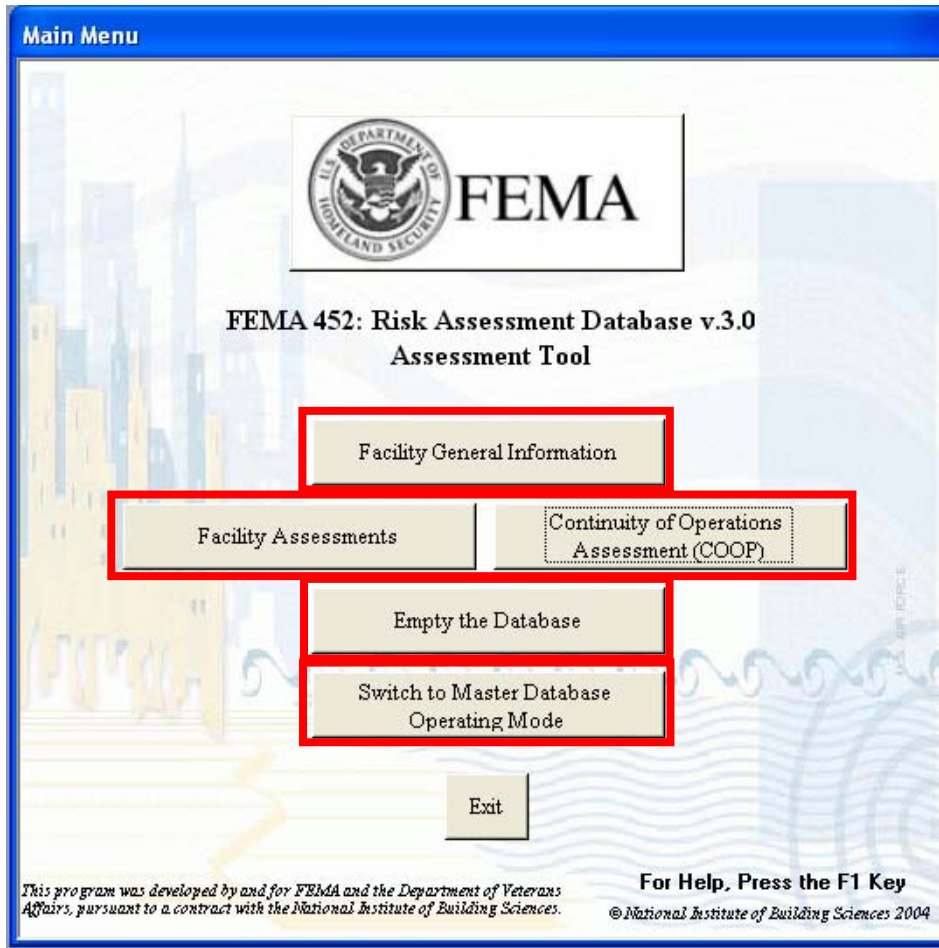


The image shows a classic Windows-style dialog box titled "Logon". The title bar is blue and contains a question mark icon and a close (X) icon. The main area has a light beige background. On the left, there are two labels: "Name:" and "Password:". Below "Name:" is a text input field containing the word "Assessor". Below "Password:" is a password input field containing eight asterisks "*****". To the right of these fields are two buttons: "OK" and "Cancel". The "OK" button is highlighted with a red rectangular border.



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Assessment Operating Mode



- Create and name assessment
- Enter the Facility or COOP assessment forms
- Empty database
- Switch to Master Database Mode



FEMA

Facility Information

Create Assessment Facility Record

Facility Name*: **Default Facility Image:**

Org. Name: **Facility Descriptive Text:**

Address1:

Address2:

City: **St**

Zip:

Assessments | **Buildings**

Assessment Location*: **Entered By:**

Assessment Date*: **Enter Date:**

Assessment Type*: **Modified By:**

Assessment Folder Name: **Modify Date:**

* **Required Field(s)**

Record: of 1



FEMA

Facility Information

Create Assessment Facility Record

Facility Name*: **Default Facility Image:**

Org. Name: **Facility Descriptive Text:**

Address1:

Address2:

City: **St:**

Zip:

Assessments | Buildings

Assessment Location*: **Entered By:**

Assessment Date*: **Enter Date:**

Assessment Type*:

Assessment Folder Name: **Modify Date:**

Facility Tier 1
Facility Tier 2
Facility Tier 3
COOP Facility

* Required Field(s)

Record: of 1



FEMA

Facility Information

Create Assessment Facility Record

Facility Name*: CI-BC
Org. Name:
Address1:
Address2:
City: St:
Zip:

Default Facility Image: No Image Available

Facility Descriptive Text:

Assessments | Buildings | Essential Functions | Deployment Planning | COOP Facility

Assessment Location*: CI-BC
Assessment Date*:
Assessment Type*: COOP
Assessment Folder Name:

Microsoft Access

This Facility Assessment will be stored in folder:
C:\Program Files\FEMA Master Assessment Database V3\CI-BC\Assessment_2007-02-02\

Photos will need to be placed in the \Photos subfolder
GIS Portfolio images will need to be placed in the \GIS_Portfolio subfolder
Miscellaneous files will need to be placed in the \Miscellaneous subfolder

OK

New Facility | <-Previous Facility | Next Facility-> | * Required Field(s) | For Help, Press the F1 Key | Close


Record: 1 of 1



FEMA

Facility Information

Main Menu



**FEMA 452: Risk Assessment Database v.3.0
Assessment Tool**

Facility General Information

Facility Assessments Continuity of Operations
Assessment (COOP)

Empty the Database

Switch to Master Database
Operating Mode

Exit

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For Help, Press the F1 Key
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FEMA

Facility Information

Create Assessment Facility Record

Facility Name*: CI-BC
Org. Name:
Address1:
Address2:
City: St:
Zip:

Default Facility Image: No Image Available

Facility Descriptive Text:

Assessments | Buildings | **Essential Functions** | Deployment Planning | COOP Facility

Assessment Location*: CI-BC
Assessment Date*: 2/2/2007
Assessment Type*: COOP Facility
Assessment Folder Name: Assessment_2007-02-02\

Entered By: Assessor
Enter Date: Date Created
Modified By: Assessor
Modify Date: Date Created

New Facility | <-Previous Facility | Next Facility-> | * Required Field(s) | For Help, Press the F1 Key | Close

Record: 1 of 1



FEMA

Facility Information

Create Assessment Facility Record

Facility Name*: Default Facility Image:

Org. Name:

Address1:

Address2:

City: St

Zip:

Facility Descriptive Text:

No Image Available

Assessments | Buildings | Essential Functions | **Deployment Planning** | COOP Facility

Priority	Essential Function	Req No. Of Personnel	Req No. Of Computer Terminals	Req No. Of Telephones	Cell Phone Coverage Required	Additional Requirement
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Record: 1 of 1

New Facility | <-Previous Facility | Next Facility-> | * Required Field(s) | For Help, Press the F1 Key | Close

Record: 1 of 1



FEMA

Facility Information

Create Assessment Facility Record

Facility Name*: Default Facility Image:

Org. Name:

Address1:

Address2:

City: St

Zip:

Facility Descriptive Text:

Assessments | Buildings | Essential Functions | Deployment Planning | **COOP Facility**

Minimum Distance to COOP Facility (miles):

Requires Access To Private Vehicle:

Requires Access To Agency Transportation:

Requires Access To Mass Transit:

New Facility | <-Previous Facility | Next Facility-> | * Required Field(s) | For Help, Press the F1 Key | Close

Record: of 1



FEMA

Facility Information

Create Assessment Facility Record

Facility Name*: Default Facility Image:

Org. Name:

Address1:

Address2:

City: St:

Zip:

Facility Descriptive Text:

No Image Available

Assessments | Buildings | Essential Functions | Deployment Planning | **COOP Facility**

How soon after decision to deploy must facility be available (hours)?

Number of Persons to be supported overall (all shifts)

When activated, how many HOURS per DAY will it operate (1-24)?

When activated, how many DAYS per WEEK will it operate (1-7)?

If people must stay overnight at the facility, indicate the total billet requirement.

If necessary, the number of meals served on facility per day.

Facility requirements for auxilliary power sources (generators).

New Facility <-Previous Facility Next Facility-> * Required Field(s) For Help, Press the F1 Key Close

Record: of 1



FEMA

Facility Information

Create Assessment Facility Record

Facility Name*: Default Facility Image:

Org. Name:

Address1:

Address2:

City: St:

Zip:

Facility Descriptive Text:

No Image Available

Assessments | Buildings | Essential Functions | Deployment Planning | **COOP Facility**

When activated, how many DAYS per WEEK will it operate (1-7)?

If people must stay overnight at the facility, indicate the total billet requirement.

If necessary, the number of meals served on facility per day.

Facility requirements for auxilliary power sources (generators).

Auxiliary power fuel requirement in gallons per hour.

Parking requirement (Unsecured).

Parking requirement (Secured).

Vehicle Fuel requirement (gallons per day)

New Facility | <-Previous Facility | Next Facility-> | * Required Field(s) | For Help, Press the F1 Key | Close

Record: of 1



FEMA

Facility Information

Create Assessment Facility Record

Facility Name*: Default Facility Image:

Org. Name: Facility Descriptive Text:

Address1:

Address2:

City: St

Zip:

Assessments | Buildings | Essential Functions | Deployment Planning | **COOP Facility**

Parking requirement (Secured).

Vehicle fuel requirement (gallons per day).

Water requirement (gallons per day).

Radio requirement (description).

Satellite Communications requirement (description).

Required size of space, according to the scope of the staffing plan (description).

Additional information, as required (description).

No Image Available

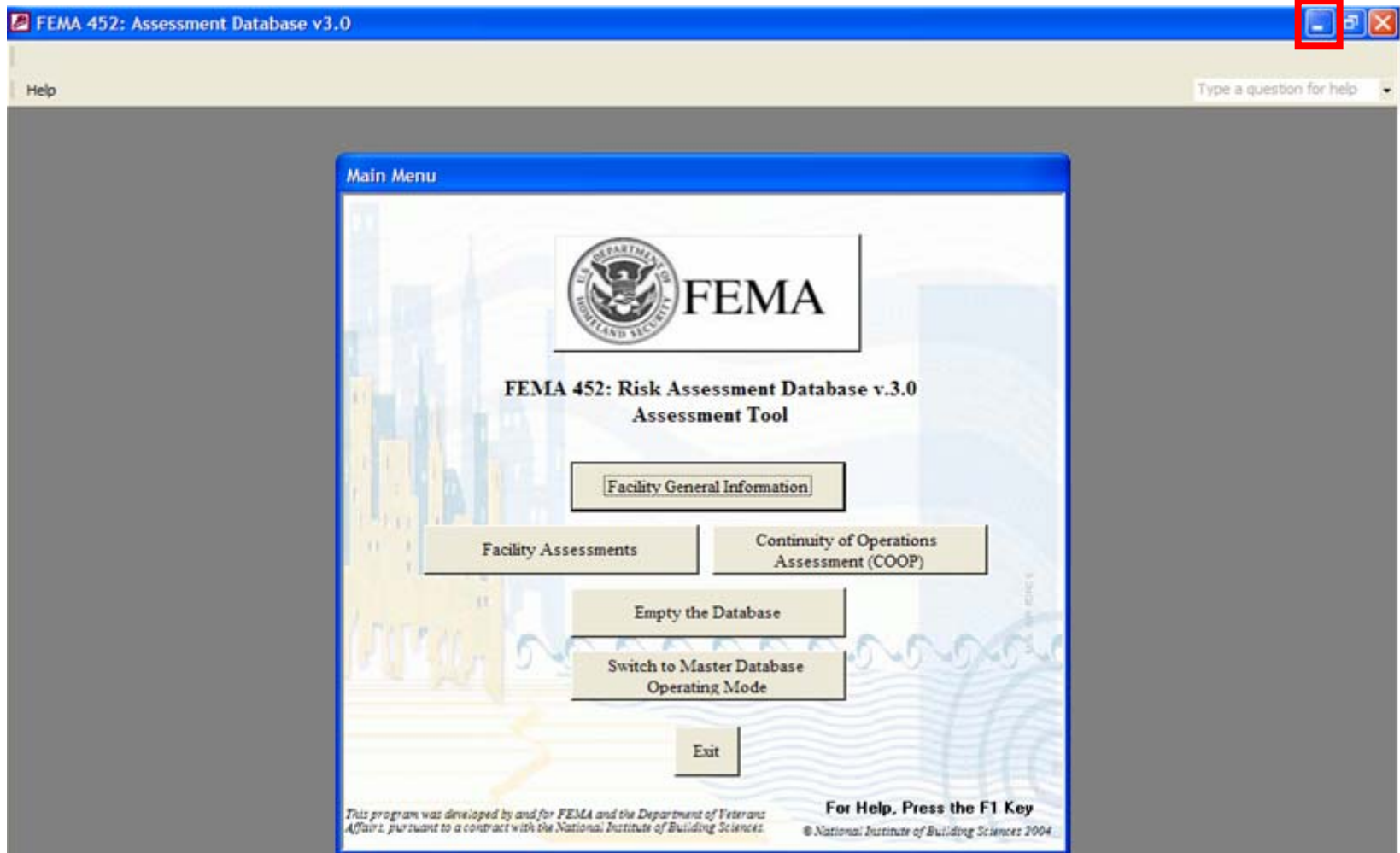
New Facility | <-Previous Facility | Next Facility-> | * Required Field(s) | For Help, Press the F1 Key | **Close**

Record: of 1



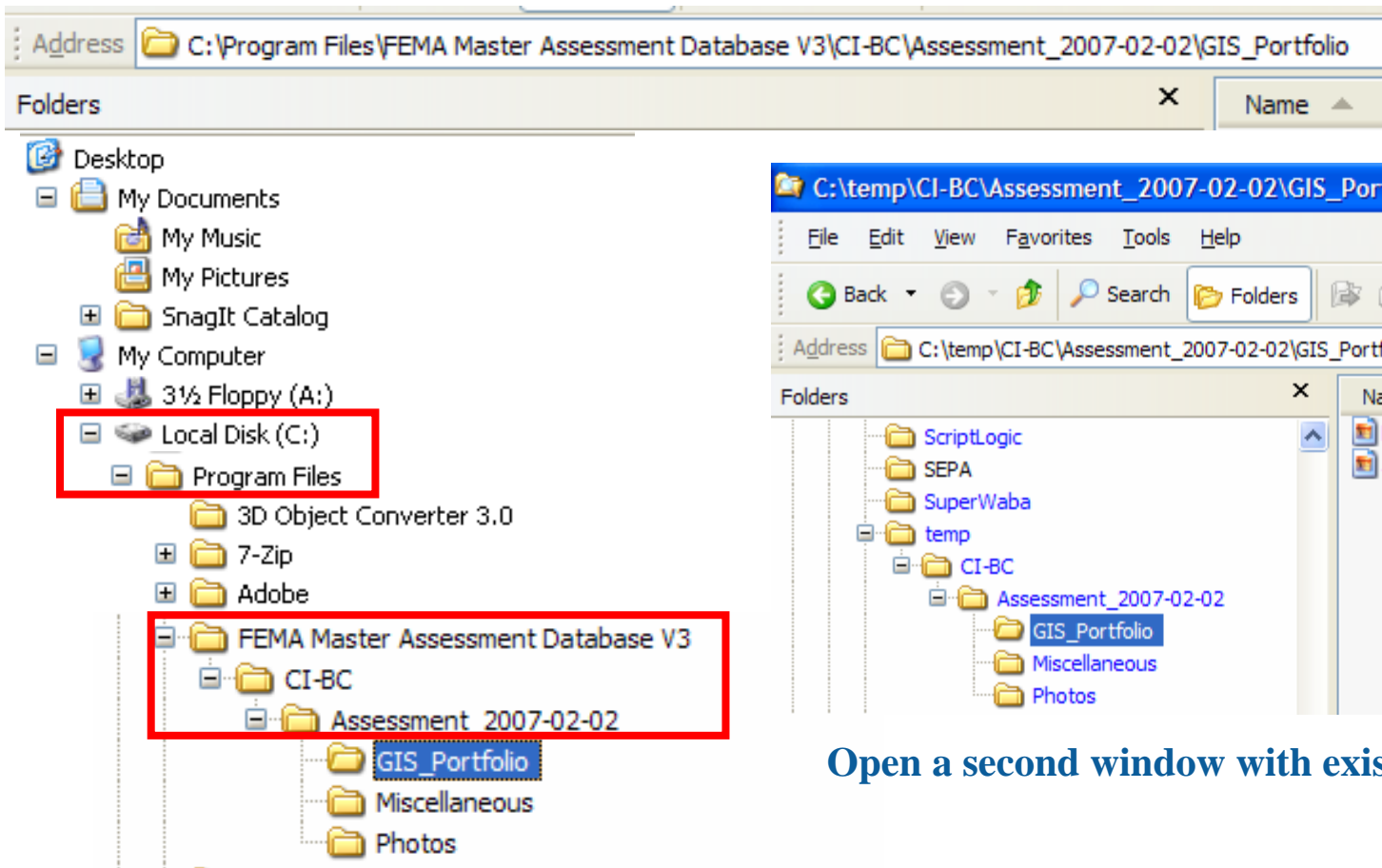
FEMA

Facility Information



FEMA

Load Information

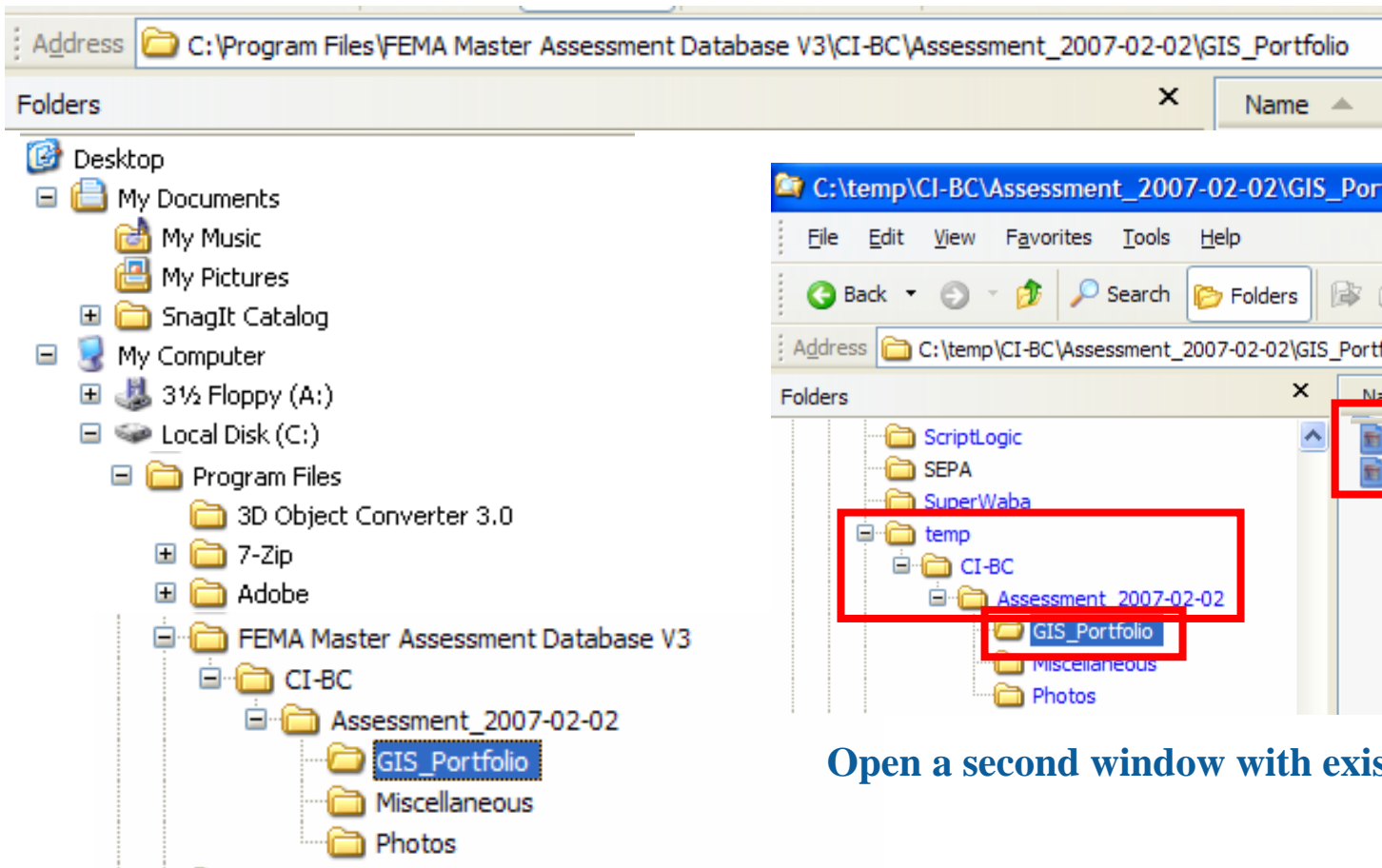


Open a second window with existing data



FEMA

Load Information



Open a second window with existing data



FEMA

Load Information

The image displays two screenshots of a Windows Explorer window. The left screenshot shows the 'Folders' pane with the following structure:

- Desktop
 - My Documents
 - My Music
 - My Pictures
 - SnagIt Catalog
- My Computer
 - 3 1/2 Floppy (A:)
 - Local Disk (C:)
 - Program Files
 - 3D Object Converter 3.0
 - 7-Zip
 - Adobe
 - FEMA Master Assessment Database V3
 - CI-BC
 - Assessment_2007-02-02
 - GIS_Portfolio
 - Miscellaneous
 - Photos

The right screenshot shows a detailed view of the folder path: C:\temp\CI-BC\Assessment_2007-02-02\Miscellaneous. The 'Folders' pane shows the following structure:

- ScriptLogic
- SEPA
- SuperWaba
- temp
 - CI-BC
 - Assessment_2007-02-02
 - GIS_Portfolio
 - Miscellaneous
 - Photos

The 'Name' pane on the right lists the files in the selected folder:

- Emergency Plan.doc
- SiteAlpha.xls



FEMA

Load Information

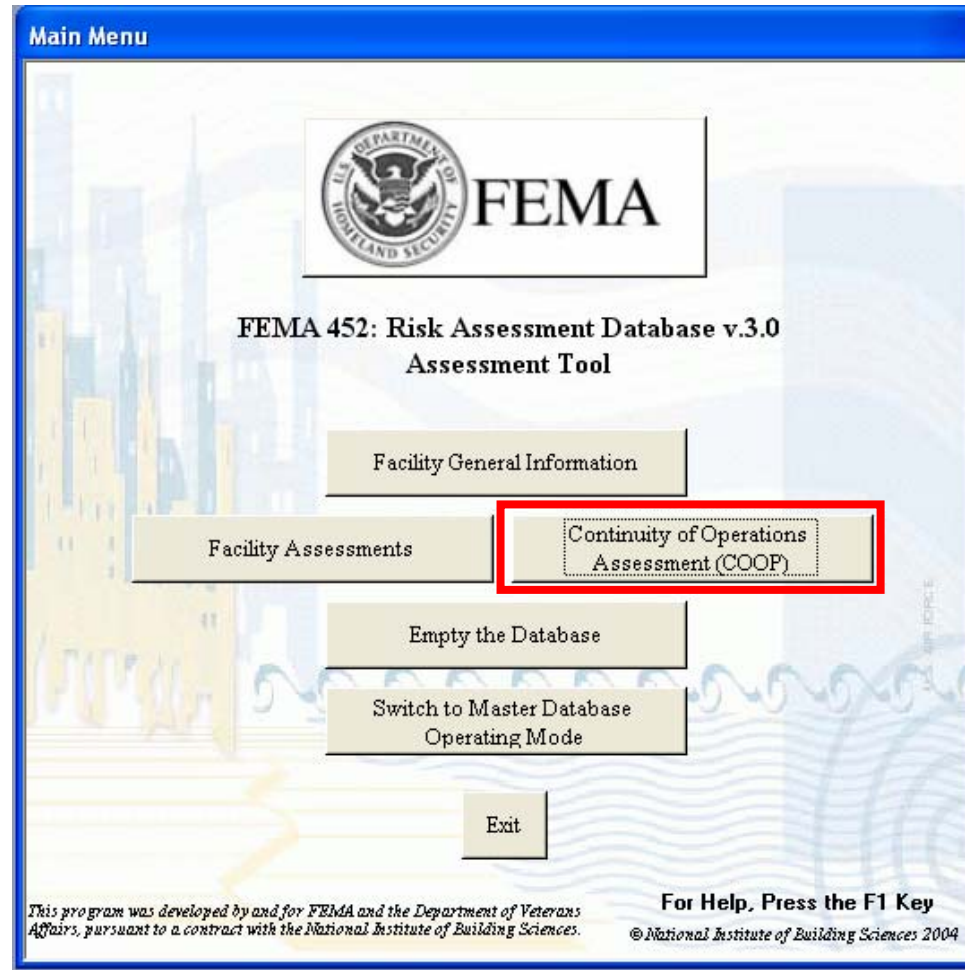
The image shows two overlapping Windows Explorer windows. The background window displays the 'Folders' pane for 'Local Disk (C:)', with the path 'Program Files\FEMA Master Assessment Database V3\CI-BC\Assessment_2007-02-02\GIS_Portfolio' highlighted in the address bar. The foreground window shows the 'Folders' pane for 'C:\temp\CI-BC\Assessment_2007-02-02\Photos', with the address bar showing 'C:\temp\CI-BC\Assessment_2007-02-02\Photos'. The foreground window's file list includes 'airintake 1.jpg', 'cctv.jpg', 'NatGasFeed.JPG', and 'transformer 1.jpg'.



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Assessment Tool

Restore from tray at bottom of screen



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Assessment Tool

Main Menu for Assessors

FEMA

FEMA 452: Risk Assessment Database v.3.0 *Assessment Tool*

Facility: Assessment Date: Assessment Type:

Facility and Team Information

- General Facility Information
- Assessment Team
- Facility Points of Contact

Checklists

- 1- Site Checklist
- 2 - Architectural
- 3 - Structural
- 4 - Building Envelope
- 5 - Utility Systems
- 6 -Mechanical Systems
- 7 - Plumbing and Gas
- 8 - Electrical Systems
- 9 - Fire Alarm Systems
- 10 - Communications and IT Systems
- 11- Equipment Operations and Maintenance
- 12 - Security
- 13- Security Master Plan
- 14-COOP Facility: Additional Concerns

Executive Summary/Vulnerability

- Facility Executive Summary
- Facility Vulnerabilities
- Import Checklist
- Close

Threat Matrices

- Critical Function Matrix
- Critical Infrastructure Matrix

This program was developed by and for FEMA and the Department of Veterans Affairs pursuant to a contract with the National Institute of Building Sciences.

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Assessment Tool

Main Menu for Assessors

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FEMA 452: Risk Assessment Database v.3.0 Assessment Tool

Facility: Assessment Date: Assessment Type:

Facility and Team Information	Checklists	Executive Summary/Vulnerability
<input type="button" value="General Facility Information"/>	<input type="button" value="1- Site Checklist"/>	<input type="button" value="Facility Executive Summary"/>
<input type="button" value="Assessment Team"/>	<input type="button" value="2 - Architectural"/>	<input type="button" value="Facility Vulnerabilities"/>
<input type="button" value="Facility Points of Contact"/>	<input type="button" value="3 - Structural"/>	
	<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"/>	
Threat Matrices	<input type="button" value="11- Equipment Operations and Maintenance"/>	
<input type="button" value="Critical Function Matrix"/>	<input type="button" value="12 - Security"/>	
<input type="button" value="Critical Infrastructure Matrix"/>	<input type="button" value="13- Security Master Plan"/>	<input type="button" value="Close"/>
	<input type="button" value="14-COOP Facility: Additional Concerns"/>	

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Assessment Tool

Main Menu for Assessors

FEMA
FEMA 452: Risk Assessment Database v.3.0
Assessment Tool

Facility: CI-BC Assessment Date: 2/2/2007 Assessment Type: COOP Facility

Facility and Team Information	Checklists	Executive Summary/Vulnerability
General Facility Information	1- Site Checklist	Facility Executive Summary
Assessment Team	2 - Architectural	Facility Vulnerabilities
Facility Points of Contact	3 - Structural	
	4 - Building Envelope	
	5 - Utility Systems	
	6 - Mechanical Systems	
	7 - Plumbing and Gas	
	8 - Electrical Systems	
	9 - Fire Alarm Systems	Import Checklist
	10 - Communications and IT Systems	
	11- Equipment Operations and Maintenance	
	12 - Security	
	13- Security Master Plan	Close
	14-COOP Facility: Additional Concerns	

Threat Matrices

Critical Function Matrix

Critical Infrastructure Matrix

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Add Team Members

Assessment Main Page

Facility Name: Default Image:

Assessment Location:

Assessment Date: Type:

No Image Available

Executive Summary | Vulnerabilities | Points of Contact | **Assessment Team** | Add Photos | Photos | Add GIS Portfolio Images | GIS Portfolio | Miscellaneous Files

Team Member	Title	Organization	Work Phone	Mobile Phone	Email
-------------	-------	--------------	------------	--------------	-------

Select Team Member from List | **Add New Team Member**

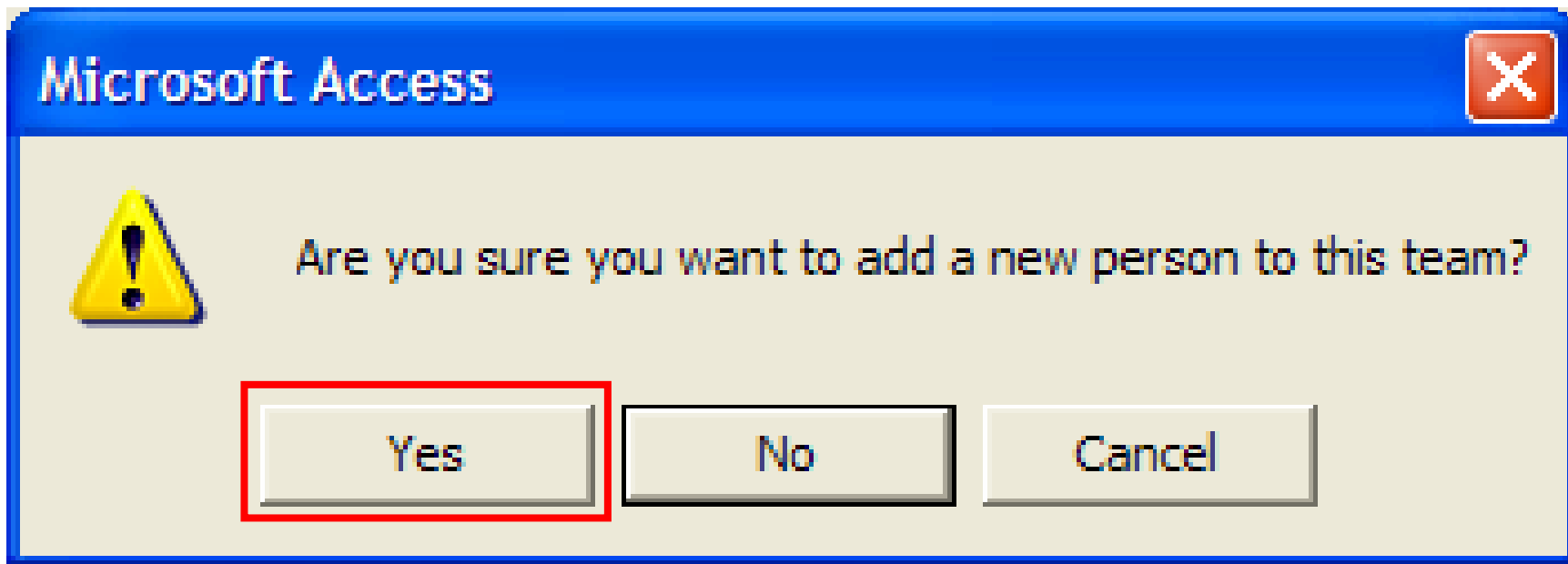
Record:

For Help, Press the F1 Key



FEMA

Add Team Members



FEMA

Add Team Members

Add a new person to this Team

Add New Person

First Name:

Last Name:

Title:

Company:

Address:

City:

State:

Zip:

Email:

Work Phone:

Mobile Phone:

Entered By:

Enter Date:

Modified By:

Modify Date:

For Help, Press the F1 Key



FEMA

Team Members

Assessment Main Page

Facility Name: Default Image:

Assessment Location:

Assessment Date: Type:

No Image Available

Executive Summary | Vulnerabilities | Points of Contact | **Assessment Team** | Add Photos | Photos | Add GIS Portfolio Images | GIS Portfolio | Miscellaneous Files

Team Member	Title	Organization	Work Phone	Mobile Phone	Email
▶ <input type="text" value="Smith, John"/>	<input type="text" value="Senior Assessor"/>	<input type="text" value="ABC Inc."/>	<input type="text" value="(123) 456-7890"/>	<input type="text" value=""/>	<input type="text" value="jsmith@abc.com"/>

Select Team Member from List

Record: of 1

For Help, Press the F1 Key



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Team Members

Assessment Main Page

Facility Name: CI-BC Default Image:

Assessment Location: CI-BC

Assessment Date: 2/2/2007 Type: COOP Facility

No Image Available

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

	Organization	Work Phone	Mobile Phone	Email
▶ Assessor	ABC Inc.	(123) 456-7890		jsmith@abc.com

▶ New Team Member

Record: 1 of 1

For Help, Press the F1 Key Close



FEMA

Add Point of Contact

Assessment Main Page

Facility Name: Default Image:

Assessment Location:

Assessment Date: Type:

No Image Available

Executive Summary | Vulnerabilities | **Points of Contact** | Assessment Team | Add Photos | Photos | Add GIS Portfolio Images | GIS Portfolio | Miscellaneous Files

First Name	Last Name	Title	Organization	Address	City	State	Zip
------------	-----------	-------	--------------	---------	------	-------	-----

Record:

For Help. Press the F1 Key



FEMA

Add Point of Contact

Assessment Main Page

Facility Name: Default Image:

Assessment Location:

Assessment Date: Type:

No Image Available

Executive Summary | Vulnerabilities | Points of Contact | Assessment Team | **Add Photos** | Photos | Add GIS Portfolio Images | GIS Portfolio | Miscellaneous Files

First Name	Last Name	Title	Organization	Address	City	State	Zip
Joe	Smith	Director	Cooperville Information-Busir	1234 USA Drive	Cooperville	VA	12345

Add New POC | Delete POC: Joe Smith | **Add New POC and Duplicate**

Record: of 1

For Help, Press the F1 Key



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Add Photos

Assessment Main Page

Facility Name: Default Image:

Assessment Location:

Assessment Date: Type:

No Image Available

Executive Summary | Vulnerabilities | Points of Contact | Assessment Team | **Add Photos** | Photos | Add GIS Portfolio Images | GIS Portfolio | Miscellaneous Files

File Name	Description	Comments
-----------	-------------	----------

Microsoft Access

Added 4 photos to the Photos table (tblPhotos)

OK

Add Photos ?

Record:

For Help, Press the F1 Key



FEMA

Add Photos

Assessment Main Page

Facility Name: CI-BC Default Image:

Assessment Location: CI-BC

Assessment Date: 2/2/2007 Type: COOP Facility

No Image Available

Executive Summary | Vulnerabilities | Points of Contact | Assessment Team | **Add Photos** | Photos | Add GIS Portfolio Images | GIS Portfolio | Miscellaneous Files

File Name	Description	Comments
airintake1.jpg		
cctv.jpg		
NatGasFeed.JPG		
transformer1.jpg		

Microsoft Access

Attached 4 photos to this ASSESSMENT!

OK

Add Photos ?

Record: 1 of 4

For Help, Press the F1 Key Close



FEMA

Add Photos

Assessment Main Page

Facility Name: Default Image:

Assessment Location:

Assessment Date: Type:

No Image Available

Executive Summary | Vulnerabilities | Points of Contact | Assessment Team | Add Photos | **Photos** | Add GIS Portfolio Images | GIS Portfolio | Miscellaneous Files

File Name	Description	Comments
<input type="checkbox"/> airtakel.jpg		
<input type="checkbox"/> cctv.jpg		
<input type="checkbox"/> NatGasFeed.JPG		
<input type="checkbox"/> transformer1.jpg		

Record: of 4

For Help, Press the F1 Key



FEMA

Add Photos

Assessment Main Page






Facility Name: Default Image:

Assessment Location:

Assessment Date: Type:

No Image Available

Executive Summary | Vulnerabilities | Points of Contact | Assessment Team | **Add Photos** | Photos | Add GIS Portfolio Images | GIS Portfolio | Miscellaneous Files

				
Image #: <input type="text"/>	Image #: <input type="text"/>	Image #: <input type="text"/>	Image #: <input type="text"/>	Image #: <input type="text"/>

Load Photos (4 images total)

For Help, Press the F1 Key



FEMA

Add Photos

Assessment Main Page






Facility Name: Default Image:

Assessment Location:

Assessment Date: Type:

No Image Available

Executive Summary | Vulnerabilities | Points of Contact | Assessment Team | **Add Photos** | Photos | Add GIS Portfolio Images | GIS Portfolio | Miscellaneous Files

				
Image #: 1 airintakel.jpg	Image #: 2 cctv.jpg	Image #: 3 NatGasFeed.JPG	Image #: 4 transformer1.jpg	Image #:

Load Photos ← → (4 images total)

For Help, Press the F1 Key Close





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Add Photos

Photo Zoom

Description: n/a Photo Comments: n/a



Zoom (Stretch Proportionally) Clip (Actual size without scroll bars) View with IE (Actual size with scroll bars)  Close



FEMA

Add GIS Images

Assessment Main Page






Facility Name: Default Image:

Assessment Location:

Assessment Date: Type:

No Image Available

Executive Summary | Vulnerabilities | Points of Contact | Assessment Team | Add Photos | Photos | **Add GIS Portfolio Images** | GIS Portfolio | Miscellaneous Files

				
Image #: 1 airintakel.jpg	Image #: 2 cctv.jpg	Image #: 3 NatGasFeed.JPG	Image #: 4 transformer1.jpg	Image #:

Load Photos (4 images total)

For Help, Press the F1 Key



FEMA

Add GIS Images

Assessment Main Page

Facility Name: CI-BC Default Image:

Assessment Location: CI-BC

Assessment Date: 2/2/2007 Type: COOP Facility

No Image Available

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

File Name	Description	Comments
-----------	-------------	----------

Microsoft Access

Added 2 Portfolio Images to the GIS Portfolio

OK

Add GIS Portfolio Images

Record:

For Help, Press the F1 Key Close



FEMA

Add GIS Images

Assessment Main Page

Facility Name: CI-BC Default Image:

Assessment Location: CI-BC

Assessment Date: 2/2/2007 Type: COOP Facility

No Image Available

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

File Name	Description	Comments
Local_Imagery.mxd.jpg		
Sitel_lr.jpg		

Microsoft Access

Attached 2 GIS Portfolio Images to this ASSESSMENT!

OK

Add GIS Portfolio Images ?

Record: 1 of 2

For Help, Press the F1 Key Close



FEMA

Add GIS Images

Assessment Main Page

Facility Name: Default Image:

Assessment Location:

Assessment Date: Type:

No Image Available

Executive Summary | Vulnerabilities | Points of Contact | Assessment Team | Add Photos | Photos | Add GIS Portfolio Images | **GIS Portfolio** | Miscellaneous Files

File Name	Description	Comments
Local_Imagery.mxd.jpg		
Sitel_lr.jpg		

Add GIS Portfolio Images ?

Record: of 2

For Help, Press the F1 Key



FEMA

Add GIS Images

Assessment Main Page

Facility Name: Default Image:

Assessment Location:

Assessment Date: Type:

No Image Available

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

Image #: <input type="text"/>	Image #: <input type="text"/>	Image #: <input type="text"/>	Image #: <input type="text"/>	Image #: <input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Load GIS (2 images total)

For Help, Press the F1 Key



FEMA

Add GIS Images

Assessment Main Page






Facility Name: Default Image:

Assessment Location:

Assessment Date: Type:

No Image Available

Executive Summary | Vulnerabilities | Points of Contact | Assessment Team | Add Photos | Photos | Add GIS Portfolio Images | GIS Portfolio | **Miscellaneous Files**

				
Image #: 1	Image #: 2	Image #:	Image #:	Image #:
<input type="text" value="Local_Imagery.mxd.jpg"/>	<input type="text" value="Site1_lr.jpg"/>			

(2 images total)

For Help, Press the F1 Key



FEMA

Add Miscellaneous Files

Assessment Main Page

Facility Name: CI-BC Default Image: [Dropdown]
Assessment Location: CI-BC
Assessment Date: 2/2/2007 Type: COOP Facility

No Image Available

Executive Summary | Vulnerabilities | Points of Contact | Assessment Team | Add Photos | Photos | Add GIS Portfolio Images | GIS Portfolio | **Miscellaneous Files**

Folder Type	File Name	File Description	File Size	File Date	Enter Date

Microsoft Access

Original files: 0
Files Loaded Now: 1
Total files for this Assessment: 1

OK

Add Miscellaneous Files ? *** Double click "File Name" of desired file to open. ***

Record: 1 of 1

For Help, Press the F1 Key Close




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* Same as photos and GIS images

Add Miscellaneous Files

Assessment Main Page

Help for Adding Miscellaneous files

 Clicking the [Add Miscellaneous Files] button will make the program look on your hard drive in the following folder:


C:\Program Files\FEMA Master Assessment Database V3\CI-BC\Assessment_2007-02-02\GIS_Portfolio\

for files of the following types:

*.doc, *.dwf, *.dwg, *.dxf, *.pdf, *.txt, *.ppt

for this assessment and will add them to the database, if they have not already been added.

OK

Add Miscellaneous Files  *** Double click "File Name" of desired file to open. ***

Record: 1 of 1

For Help, Press the F1 Key **Close**



FEMA

Threat Matrices

Main Menu for Assessors

FEMA

FEMA 452: Risk Assessment Database v.3.0 Assessment Tool

Facility: CI-BC Assessment Date: 2/2/2007 Assessment Type: COOP Facility

Facility and Team Information	Checklists	Executive Summary/Vulnerability
General Facility Information	1- Site Checklist	Facility Executive Summary
Assessment Team	2 - Architectural	Facility Vulnerabilities
Facility Points of Contact	3 - Structural	
	4 - Building Envelope	
	5 - Utility Systems	
	6 -Mechanical Systems	
	7 - Plumbing and Gas	
	8 - Electrical Systems	
	9 - Fire Alarm Systems	Import Checklist
	10 - Communications and IT Systems	
	11- Equipment Operations and Maintenance	
	12 - Security	
	13- Security Master Plan	Close
	14-COOP Facility: Additional Concerns	

Threat Matrices

- Critical Function Matrix
- Critical Infrastructure Matrix

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Critical Functions Matrix

Threats 

Critical Functions Matrix -- Page 1

Facility Name: CI-BC Assessment Date: 02/02/2007 Assessment Type: COOP Facility

TR: Threat Rating
AV: Asset Value
VR: Vulnerability Rating

Legend:
■ Low Risk (1-60)
■ Medium Risk (61-175)
■ High Risk (>175)

No.	Critical Function	Improvised Explosive Device (Bomb)				Chemical Agent				Arson / Incendiary Attack				Armed Attack				Biological Agent				Cyberterrorism				Agriterrorism				No.	Critical Function
		TR	AV	VR	Risk	TR	AV	VR	Risk	TR	AV	VR	Risk	TR	AV	VR	Risk	TR	AV	VR	Risk	TR	AV	VR	Risk	TR	AV	VR	Risk		
1	Administration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	Administration	
2	Engineering	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	Engineering	
3	Warehousing	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	Warehousing	
4	Data Center	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	Data Center	
5	Food Service	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	Food Service	
6	Security	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	Security	
7	Housekeeping	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	Housekeeping	
8	Day Care	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	Day Care	
9	Other CF-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	Other CF-1	
10	Other CF-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	Other CF-2	
11	Other CF-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	Other CF-3	
12	Other CF-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	Other CF-4	
13	Other CF-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	Other CF-5	
14	Other CF-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	Other CF-6	
15	Other CF-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	Other CF-7	
16	Other CF-8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	Other CF-8	
17	Other CF-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	Other CF-9	
18	Other CF-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	Other CF-10	

Page 1 Page 2 Page 3 Rollup For Help, Press the F1 Key Close

Record: 1 of 18

Functions 

Threat Rating

1- 10

Asset Value

1- 10

Vulnerability Rating

1- 10



Low risk (1-60)



Medium risk (61-175)



High risk (> 175)



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Critical Functions Matrix

Threats 

critical Functions Matrix -- Page 1

Facility Name: CI-BC Assessment Date: 02/02/2007 Assessment Type: COOP Facility


TR: Threat Rating
AV: Asset Value
VR: Vulnerability Rating




Low Risk (1-60)
Medium Risk (61-175)
High Risk (>175)

No.	Critical Function	Improvised Explosive Device (Bomb)				Chemical Agent				Arson / Incendiary Attack				Armed Attack				Biological Agent				Cyberterrorism				Agriterrorism				No.	Critical Func
		TR	AV	VR	Risk	TR	AV	VR	Risk	TR	AV	VR	Risk	TR	AV	VR	Risk	TR	AV	VR	Risk	TR	AV	VR	Risk	TR	AV	VR	Risk		
1	Administration	3	6	8	144	4	6	9	216	5	6	3	90	5	6	8	240	2	6	7	84	9	6	4	216	0	0	0	0	1	Administration
2	Engineering	3	6	8	144	4	6	2	48	5	6	5	150	2	6	7	84	2	6	7	84	5	6	4	120	0	0	0	0	2	Engineering
3	Warehousing	3	2	8	48	4	2	9	72	8	2	3	48	2	2	7	28	2	2	7	28	2	2	4	16	0	0	0	0	3	Warehousing
4	Data Center	3	6	8	144	4	6	5	120	2	6	2	24	2	6	3	36	2	6	7	84	9	6	4	216	0	0	0	0	4	Data Center
5	Food Service	3	3	8	72	4	3	9	108	5	3	5	75	6	3	7	126	2	3	7	42	2	3	4	24	0	0	0	0	5	Food Service
6	Security	3	5	8	120	4	5	9	180	2	5	2	20	2	5	4	40	2	5	7	70	2	5	4	40	0	0	0	0	6	Security
7	Housekeeping	3	2	8	48	4	2	9	72	6	2	2	24	2	2	4	16	2	2	7	28	2	2	4	16	0	0	0	0	7	Housekeeping
8	Day Care	3	3	8	72	4	3	9	108	5	3	2	30	2	3	7	42	2	3	7	42	2	3	4	24	0	0	0	0	8	Day Care
9	Other CF-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	9	Other CF-1
10	Other CF-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	Other CF-2
11	Other CF-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	Other CF-3
12	Other CF-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	Other CF-4
13	Other CF-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	Other CF-5
14	Other CF-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	Other CF-6
15	Other CF-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	Other CF-7
16	Other CF-8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	Other CF-8
17	Other CF-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	Other CF-9
18	Other CF-10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	Other CF-10

Page 1 Page 2 Page 3 Rollup For Help, Press the F1 Key Close

Record: 9 of 18

Functions 

Threat Rating 1- 10  Low risk (1-60)
 Asset Value 1- 10  Medium risk (61-175)
 Vulnerability Rating 1- 10  High risk (> 175)



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Threat Matrices

Main Menu for Assessors

FEMA

FEMA 452: Risk Assessment Database v.3.0 Assessment Tool

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Threat Matrices

- Critical Function Matrix
- Critical Infrastructure Matrix**

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Critical Infrastructure Matrix

Threats 

Critical Infrastructure Matrix -- Page 1

Facility Name: CI-BC Assessment Date: 02/02/2007 Assessment Type: COOP Facility


TR: Threat Rating AV: Asset Value VR: Vulnerability Rating

■ Low Risk (1-60)
■ Medium Risk (61-175)
■ High Risk (>175)

No.	Critical Infrastructure	Improvised Explosive Device (Bomb)				Chemical Agent				Arson / Incendiary Attack				Armed Attack				Biological Agent				Cyberterrorism				Agriterrorism				No.	Critical Infrastructure
		TR	AV	VR	Risk	TR	AV	VR	Risk	TR	AV	VR	Risk	TR	AV	VR	Risk	TR	AV	VR	Risk	TR	AV	VR	Risk	TR	AV	VR	Risk		
1	Site	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	Site	
2	Architectural	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	Architectural	
3	Structural Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	Structural Systems	
4	Envelope Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	Envelope Systems	
5	Utility Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	Utility Systems	
6	Mechanical Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	Mechanical Systems	
7	Plumbing and Gas Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	Plumbing and Gas Systems	
8	Electrical Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	Electrical Systems	
9	Fire Alarm Systems	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	Fire Alarm Systems	
10	IT/Communications Syste	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	IT/Communications System	
11	Other CI-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	Other CI-1	
12	Other CI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	Other CI-2	
13	Other CI-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	Other CI-3	
14	Other CI-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	Other CI-4	
15	Other CI-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	Other CI-5	
16	Other CI-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	Other CI-6	
17	Other CI-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	Other CI-7	
18	Other CI-8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	Other CI-8	
19	Other CI-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	Other CI-9	

Page 1 Page 2 Page 3 Rollup For Help, Press the F1 Key Close

Record: 1 of 20

Infrastructure 

Threat Rating

1- 10



Low risk (1-60)

Asset Value

1- 10



Medium risk (61-175)

Vulnerability Rating

1- 10



High risk (> 175)



FEMA

Critical Infrastructure Matrix

Threats 

Critical Infrastructure Matrix -- Page 1

Facility Name: CI-BC Assessment Date: 02/02/2007 Assessment Type: COOP Facility

TR: Threat Rating
AV: Asset Value
VR: Vulnerability Rating

■ Low Risk (1-60)
■ Medium Risk (61-175)
■ High Risk (>175)

No.	Critical Infrastructure	Improvised Explosive Device (Bomb)				Chemical Agent				Arson / Incendiary Attack				Armed Attack				Biological Agent				Cyberterrorism				Agriterrorism				No.	Critical Infrastructure	
		TR	AV	VR	Risk	TR	AV	VR	Risk	TR	AV	VR	Risk	TR	AV	VR	Risk	TR	AV	VR	Risk	TR	AV	VR	Risk	TR	AV	VR	Risk			
1	Site	3	2	9	54	4	2	3	24	3	2	8	48	5	2	2	20	2	2	2	8	1	2	2	4	0	0	0	0	1	Site	
2	Architectural	3	2	7	42	4	2	3	24	3	2	4	24	5	2	2	20	2	2	2	8	1	2	2	4	0	0	0	0	2	Architectural	
3	Structural Systems	3	5	7	105	4	5	3	60	3	5	3	45	5	5	2	50	2	5	2	20	1	5	2	10	0	0	0	0	3	Structural Systems	
4	Envelope Systems	3	5	9	135	4	5	3	60	3	5	3	45	5	5	2	50	2	5	2	20	1	5	2	10	0	0	0	0	4	Envelope Systems	
5	Utility Systems	3	5	9	135	4	5	7	140	3	5	7	105	5	5	7	175	2	5	7	70	5	5	5	125	0	0	0	0	5	Utility Systems	
6	Mechanical Systems	3	5	9	135	4	5	3	60	3	5	7	105	5	5	7	175	2	5	7	70	3	5	5	75	0	0	0	0	6	Mechanical Systems	
7	Plumbing and Gas Systems	3	5	9	135	4	5	7	140	3	5	7	105	5	5	7	175	2	5	7	70	1	5	5	25	0	0	0	0	7	Plumbing and Gas Systems	
8	Electrical Systems	3	5	7	105	4	5	2	40	3	5	7	105	5	5	7	175	2	5	2	20	1	5	5	25	0	0	0	0	8	Electrical Systems	
9	Fire Alarm Systems	3	2	5	30	4	2	2	16	3	2	2	12	5	2	2	20	2	2	2	8	1	2	2	4	0	0	0	0	9	Fire Alarm Systems	
10	IT/Communications Syste	3	7	5	105	4	7	2	56	3	7	7	147	5	7	6	210	2	7	2	28	9	7	6	378	0	0	0	0	10	IT/Communications Syste	
11	Other CI-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	Other CI-1
12	Other CI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	Other CI-2
13	Other CI-3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	Other CI-3
14	Other CI-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	Other CI-4
15	Other CI-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	Other CI-5
16	Other CI-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	Other CI-6
17	Other CI-7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	Other CI-7
18	Other CI-8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	Other CI-8
19	Other CI-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	Other CI-9

Page 1 Page 2 Page 3 Rollup For Help, Press the F1 Key Close

Record: 11 of 20

Infrastructure 

Threat Rating

1- 10



Low risk (1-60)

Asset Value

1- 10



Medium risk (61-175)

Vulnerability Rating

1- 10



High risk (> 175)



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Checklists

Main Menu for Assessors

FEMA

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Facility and Team Information	Checklists	Executive Summary/Vulnerability
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Threat Matrices

Critical Function Matrix

Critical Infrastructure Matrix

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Site Checklist

Observations and Recommendations/Remediations for Section Heading: Site

ility Name: CI-BC Type: COOP Facility

#	Observation	Recommendation/Remediation	Vuln?	Vulnerability Assessment Question	Guidance	Additional R
			<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	FPC 65: Annex Alternate Operating Facilities, Plan Considerations
			<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	FPC 65: Annex Alternate Operating Facilities, Plan Considerations
			<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	FPC 65: Annex Alternate Operating Facilities, Plan Considerations

View Facility Information For Help, Press the F1 Key Close

Record: 1 of 25 (Filtered)



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Site Checklist

Observations and Recommendations/Remediations for Section Heading: Site

Site Name: CI-BC Type: COOP

Q#	Observation	Recommendation/Remediation	Vuln?	Vulnerability Assessment Question	Guidance
1-1	Two Critical Hazard Facilities within 2 mile and a dozen Tier II HAZMAT Facilities within 3 miles. Major interstate highway within 1/4 mile. Two railroads have tracks within 1/2 mile with no restrictions on materials carried. Four nearby buried long-distance	Collateral effects of attacks or accidents impact CI-BC similar to CBR attacks. See recommendations for HVAC systems.	<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 site is above the tank farm and the rear parking area slopes away from the building to a stream, which allows winds to pass over the structure unhindered.	None.	<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	With a loading dock on the west side, it is possible for vehicles to park right next to the building. Normal parking for employees is in front; the closest row is 44 feet from the front door.	Increased stand-off or increased access control is needed to reduce risk of vehicle-borne improvised explosive device. Any action will require coordination with Business Park Management and other tenants due to impacts on the overall business park.	<input checked="" 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: 3 of 23 (Filtered) Close



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Site Checklist

Observations and Recommendations/Remediations for Section Heading: Site

Site Name: CI-BC Type: COOP

Q#	Observation	Recommendation/Remediation	Vuln?	Vulnerability Assessment Question	Guidance
1-1	Two Critical Hazard Facilities within 2 mile and a dozen Tier II HAZMAT Facilities within 3 miles. Major interstate highway within 1/4 mile. Two railroads have tracks within 1/2 mile with no restrictions on materials carried. Four nearby buried long-distance	Collateral effects of attacks or accidents impact CI-BC similar to CBR attacks. See recommendations for HVAC systems.	<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 site is above the tank farm and the rear parking area slopes away from the building to a stream, which allows winds to pass over the structure unhindered.	None.	<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	With a loading dock on the west side, it is possible for vehicles to park right next to the building. Normal parking for employees is in front; the closest row is 44 feet from the front door.	Increase vehicle development coefficient Management and maintenance impacts on the overall business park.	<input type="checkbox"/>	You WILL still have to supply a Building Number and a Priority in the Vulnerabilities section.	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: 3 of 23 (Filtered)

Close

Microsoft Access

Copying this Observation to the Vulnerabilities section...

You WILL still have to supply a Building Number and a Priority in the Vulnerabilities section.

OK



FEMA

Site Checklist

Observations and Recommendations/Remediations for Section Heading: Site

Site Name: CI-BC Type: COOP

Q#	Observation	Recommendation/Remediation	Vuln?	Vulnerability Assessment Question	Guidance
1-1	Two Critical Hazard Facilities within 2 mile and a dozen Tier II HAZMAT Facilities within 3 miles. Major interstate highway within 1/4 mile. Two railroads have tracks within 1/2 mile with no restrictions on materials carried. Four nearby buried long-distance	Collateral effects of attacks or accidents impact CI-BC similar to CBR attacks. See recommendations for HVAC systems.	<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 site is above the tank farm and the rear parking area slopes away from the building to a stream, which allows winds to pass over the structure unhindered.	None.	<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	With a loading dock on the west side, it is possible for vehicles to park right next to the building. Normal parking for employees is in front; the closest row is 44 feet from the front door.	Increased stand-off or increased access control is needed to reduce risk of vehicle-borne improvised explosive device. Any action will require coordination with Business Park Management and other tenants due to impacts on the overall business park.	<input checked="" 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: 3 of 23 (Filtered)

Close



FEMA

Checklists

Main Menu for Assessors

FEMA

FEMA 452: Risk Assessment Database v.3.0

Assessment Tool

Facility: CI-BC

Assessment Date: 2/2/2007

Assessment Type: COOP Facility

Facility and Team Information

- General Facility Information
- Assessment Team
- Facility Points of Contact

Checklists

- 1 - Site Checklist
- 2 - Architectural
- 3 - Structural
- 4 - Building Envelope
- 5 - Utility Systems
- 6 - Mechanical Systems
- 7 - Plumbing and Gas
- 8 - Electrical Systems
- 9 - Fire Alarm Systems
- 10 - Communications and IT Systems
- 11 - Equipment Operations and Maintenance
- 12 - Security
- 13 - Security Master Plan
- 14 - COOP Facility: Additional Concerns

Executive Summary/Vulnerability

- Facility Executive Summary
- Import Checklist
- Close

Threat Matrices

- Critical Function Matrix
- Critical Infrastructure Matrix

All launch similar checklists with places to enter observations and recommendations / remediations

For Help, Press the F1 Key

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FEMA

Executive Summary

Main Menu for Assessors

FEMA

FEMA 452: Risk Assessment Database v.3.0 Assessment Tool

Facility: CI-BC Assessment Date: 2/2/2007 Assessment Type: COOP Facility

Facility and Team Information

- General Facility Information
- Assessment Team
- Facility Points of Contact

Checklists

- 1- Site Checklist
- 2 - Architectural
- 3 - Structural
- 4 - Building Envelope
- 5 - Utility Systems
- 6 -Mechanical Systems
- 7 - Plumbing and Gas
- 8 - Electrical Systems
- 9 - Fire Alarm Systems
- 10 - Communications and IT Systems
- 11- Equipment Operations and Maintenance
- 12 - Security
- 13- Security Master Plan
- 14-COOP Facility: Additional Concerns

Executive Summary/Vulnerability

- Facility Executive Summary
- Facility Vulnerabilities
- Import Checklist
- Close

Threat Matrices

- Critical Function Matrix
- Critical Infrastructure Matrix

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FEMA

Executive Summary Tab

Assessment Main Page

Facility Name: Default Image:

Assessment Location:

Assessment Date: Type:

No Image Available

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

Introduction	Observations	Recommendations/Remediations
<div style="border: 1px solid black; height: 200px;"></div>	<div style="border: 1px solid black; height: 200px;"></div>	<div style="border: 1px solid black; height: 200px;"></div>

Record: of 1

For Help, Press the F1 Key Close



FEMA

Vulnerabilities



FEMA

Vulnerabilities and Recommendations

Assessment Main Page

Facility Name: CI-BC Default Image:

Assessment Location: CI-BC

Assessment Date: 2/2/2007 Type: COOP Facility

No Image Available

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

Building Name or Number	Vulnerability	Priority	Recommendation/Remediation	Vulnerability Status / Cost	Extracted Check Observa
<input type="text"/>		<input type="text"/>			

Update Remediation Details

Record: 1 of 1

For Help, Press the F1 Key Close



FEMA

Vulnerabilities and Recommendations

Remediations

Building No	Vulnerability	Priority	Recommendation/Remediation
CI-BC		1	

Action	Date	Cost	Comments
Initial		\$0	
Planned		\$0	
Underway		\$0	
Completed		\$0	

For Help, Press the F1 Key Close



FEMA

Vulnerabilities and Recommendations

Assessment Main Page

Facility Name: Default Image:

Assessment Location:

Assessment Date: Type:

No Image Available

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

Building Name or Number	Vulnerability	Priority	Recommendation/Remediation	Vulnerability Status / Cost	Extracted Check Observa
<input type="text"/>		<input type="text"/>			<input type="text" value="Update Remediation Details"/>

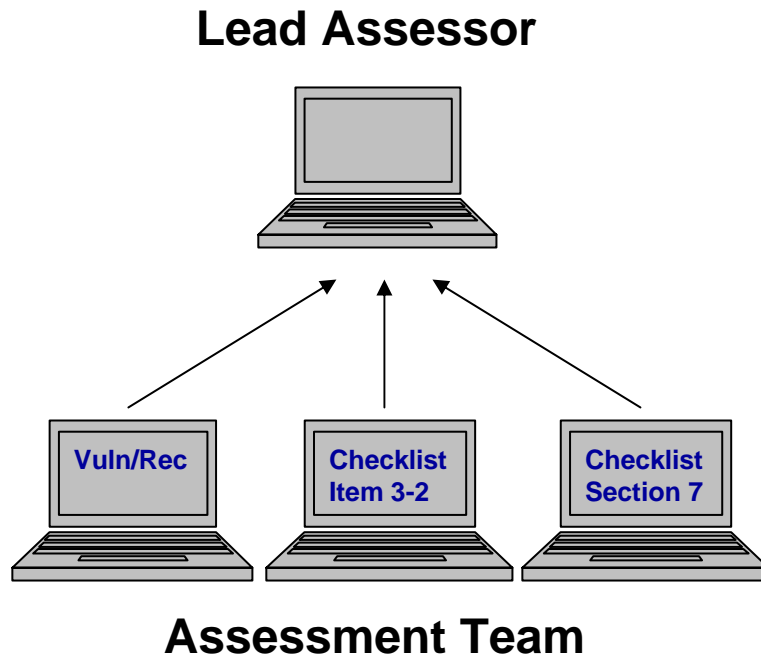
Record: of 1

For Help, Press the F1 Key



FEMA

Assessment Team Import Function



- Establish a link to a team member's database
- Open the remote database
- Import Observation, Recommendation/Remediation, or Vulnerability entries

The assessment team members to combine their data into one database file on one computer at the end of the assessment.



FEMA

Import Assessments

Main Menu for Assessors

FEMA

FEMA 452: Risk Assessment Database v.3.0 Assessment Tool

Facility: Assessment Date: Assessment Type:

Facility and Team Information	Checklists	Executive Summary/Vulnerability
<input type="button" value="General Facility Information"/>	<input type="button" value="1- Site Checklist"/>	<input type="button" value="Facility Executive Summary"/>
<input type="button" value="Assessment Team"/>	<input type="button" value="2 - Architectural"/>	<input type="button" value="Facility Vulnerabilities"/>
<input type="button" value="Facility Points of Contact"/>	<input type="button" value="3 - Structural"/>	
	<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"/>	<input type="button" value="Close"/>
	<input type="button" value="14-COOP Facility: Additional Concerns"/>	

Threat Matrices

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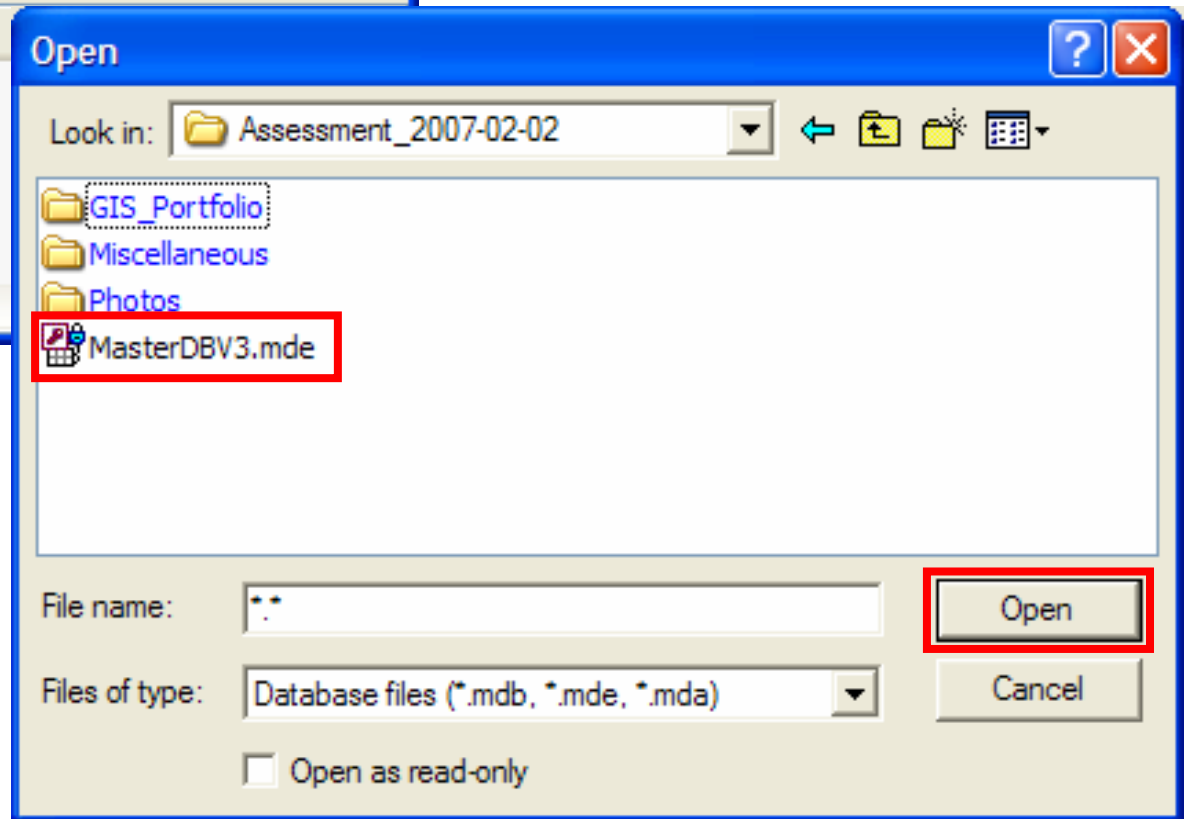
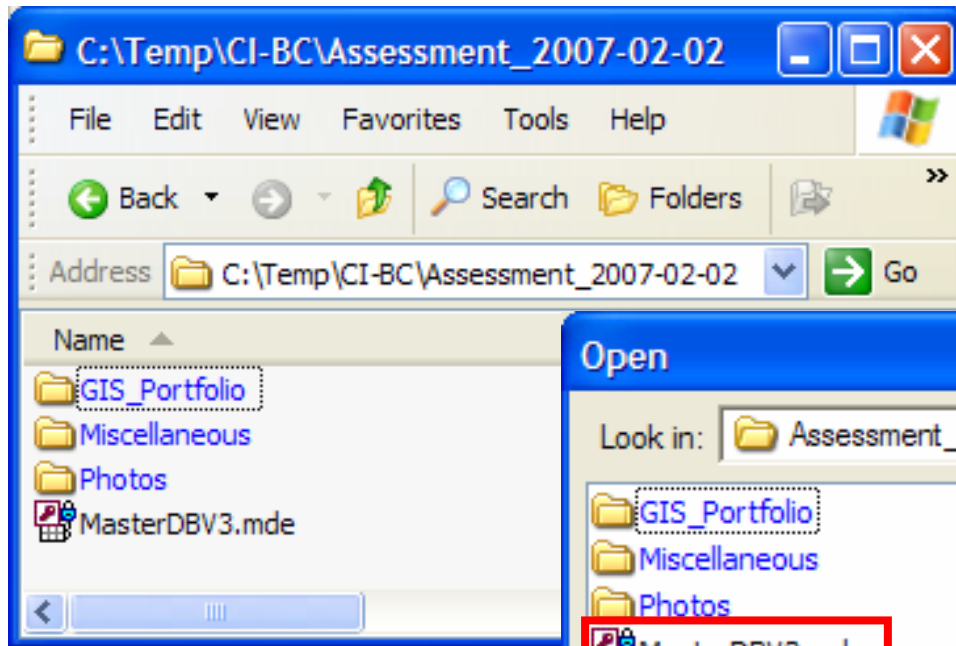
Import Assessments

The screenshot shows the 'Main Menu for Assessors' window of the FEMA Risk Assessment Database v.3.0. The interface includes a header with the FEMA logo and the text 'FEMA 452: Risk Assessment Database v.3.0' and 'Assessment Tool'. Below the header, there are input fields for 'Facility: CI-BC', 'Assessment Date: 2/2/2007', and 'Assessment Type: COOP Facility'. The main area is divided into tabs: 'Facility and Team Information', 'Checklists', and 'Executive Summary/Vulnerability'. A 'Select File' dialog box is open, displaying the path 'C:\Import_Obsssss\Import_ME.mdb' and a 'Browse' button highlighted with a red box. Below the dialog box, there is a list of system categories: 6 - Mechanical Systems, 7 - Plumbing and Gas, 8 - Electrical Systems, 9 - Fire Alarm Systems, 10 - Communications and IT Systems, 11 - Equipment Operations and Maintenance, 12 - Security, 13 - Security Master Plan, and 14 - COOP Facility: Additional Concerns. There are also buttons for 'Import Checklist' and 'Close'. At the bottom, there is a 'Threat Matrices' section with buttons for 'Critical Function Matrix' and 'Critical Infrastructure Matrix'. A footer note states: 'This program was developed by and for FEMA and the Department of Veterans Affairs, pursuant to a contract with the National Institute of Building Sciences. © National Institute of Building Sciences 2004'. A help instruction reads: 'For Help, Press the F1 Key'.



FEMA

Import Assessments



FEMA

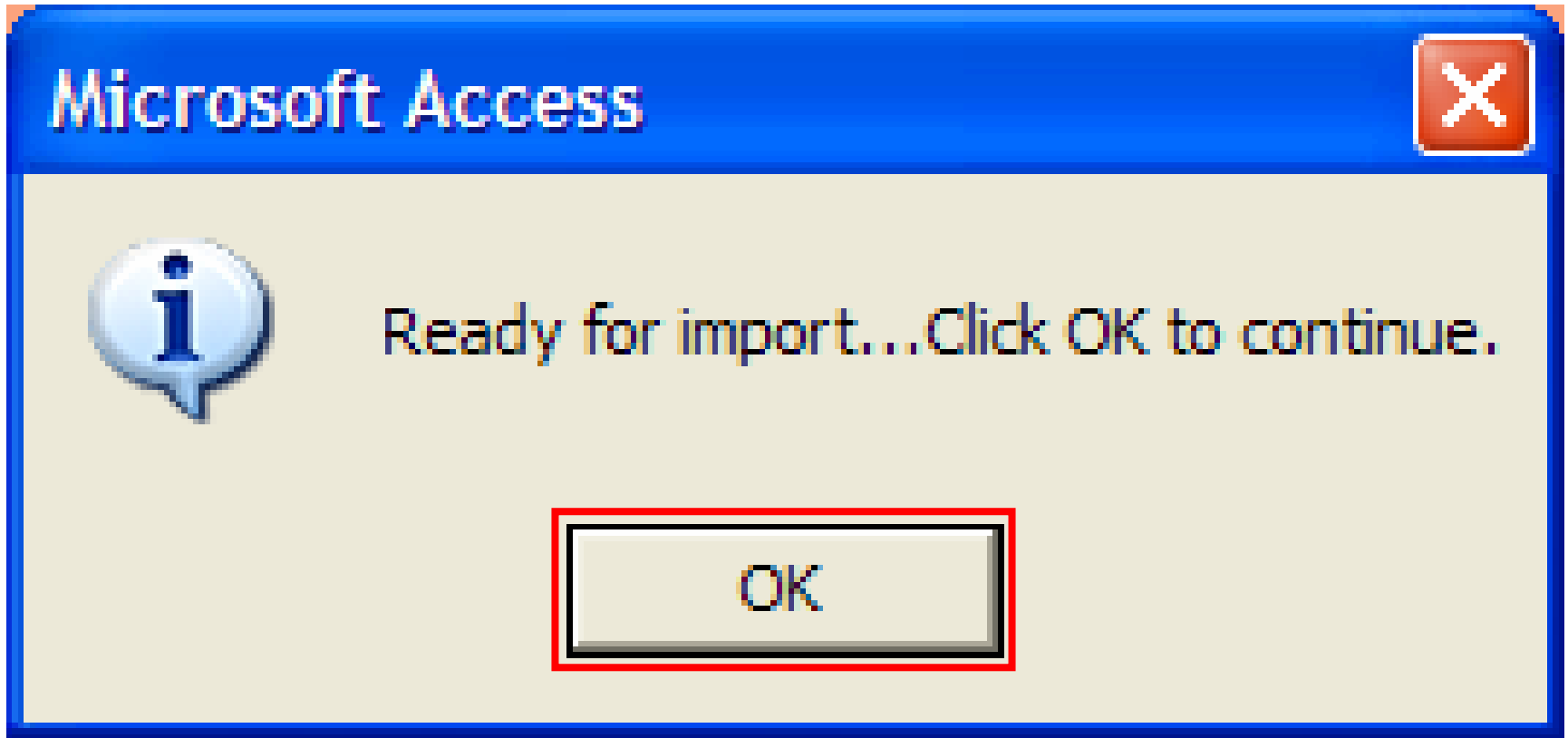
Import Assessments

The screenshot displays the 'Main Menu for Assessors' window for FEMA 452: Risk Assessment Database v.3.0. The interface includes a header with the FEMA logo and the text 'FEMA 452: Risk Assessment Database v.3.0' and 'Assessment Tool'. Below the header, there are input fields for 'Facility: CI-BC', 'Assessment Date: 2/2/2007', and 'Assessment Type: COOP Facility'. The main menu has tabs for 'Facility and Team Information', 'Checklists', and 'Executive Summary/Vulnerability'. A 'Select File' dialog box is open, showing the path 'C:\Temp\CI-BC\Assessment_2007-02-02\MasterDBV3.mde' selected. The 'Import' button in the dialog is highlighted with a red box. Below the dialog, there is a list of system categories: 6 - Mechanical Systems, 7 - Plumbing and Gas, 8 - Electrical Systems, 9 - Fire Alarm Systems, 10 - Communications and IT Systems, 11 - Equipment Operations and Maintenance, 12 - Security, 13 - Security Master Plan, and 14 - COOP Facility: Additional Concerns. There are buttons for 'Import Checklist' and 'Close'. On the left, there are buttons for 'Threat Matrices', 'Critical Function Matrix', and 'Critical Infrastructure Matrix'. At the bottom, there is a footer with the text: 'This program was developed by and for FEMA and the Department of Veterans Affairs, pursuant to a contract with the National Institute of Building Sciences.' and '© National Institute of Building Sciences: 2004'. A note says 'For Help, Press the F1 Key'.



FEMA

Import Assessments



FEMA

Import Assessments

frmSiteAssessments_Remote

Assessments Available for Import From: C:\Temp\CI-BC\Assessment_2007-02-02

Site Name	Address 1	City	Assessment Location	Assessment Date	Type
▶ CI-BC			CI-BC	2/2/2007	COOP Facility
Example site 2			Site 2	2/2/2006	Tier 2
Example site 3			Site 3	6/6/2006	Tier 3

Select Assessment

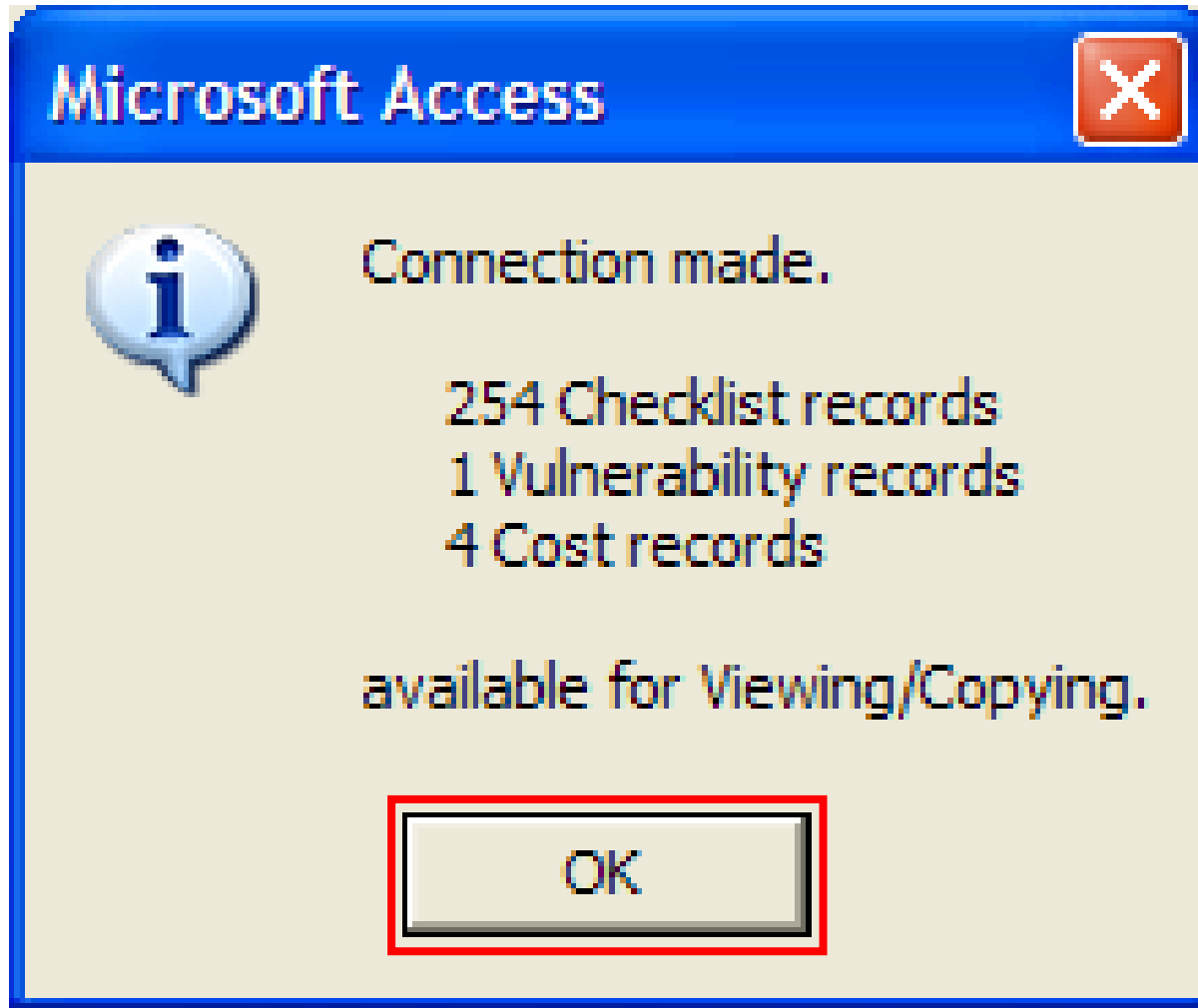
Cancel

Record: 1 of 3



FEMA

Import Assessments



FEMA

Assessment Team Import Function

Main Menu for Assessors

FEMA

FEMA 452: Risk Assessment Database v.3.0 Assessment Tool

Facility: CI-BC Assessment Date: 2/2/2007 Assessment Type: COOP Facility

Facility and Team Information	Checklists	Executive Summary/Vulnerability
<input type="button" value="General Facility Information"/>	<input type="button" value="1- Site Checklist"/>	<input type="button" value="Facility Executive Summary"/>
<input type="button" value="Assessment Team"/>	<input type="button" value="2 - Architectural"/>	<input type="button" value="Facility Vulnerabilities"/>
<input type="button" value="Facility Points of Contact"/>	<input type="button" value="3 - Structural"/>	
	<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"/>	
Threat Matrices	<input type="button" value="11- Equipment Operations and Maintenance"/>	
<input type="button" value="Critical Function Matrix"/>	<input type="button" value="12 - Security"/>	
<input type="button" value="Critical Infrastructure Matrix"/>	<input type="button" value="13- Security Master Plan"/>	<input type="button" value="Close"/>
	<input type="button" value="14-COOP Facility: Additional Concerns"/>	

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Assessment Team Import Function

Observations and Recommendations/Remediations for Section Heading: Site

Facility Name: CI-BC Type: COOP Facility

Open Remote Data C:\Temp\CI-BC\Assessment_2007-02-02\MasterDBV3.mde

Q#	Observation	Recommendation/Remediation	Vuln?	Vulnerability Assessment Question	Guidance
1-1			<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			<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			<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

View Facility Information For Help, Press the F1 Key Close

Record: 1 of 25 (Filtered)



FEMA

Assessment Team Import Function

Observations Details from the REMOTE DATABASE

Site Name: CI-BC

Copy Record	Q#	Observation	Recommendation/Remediation	Vuln?
<input type="checkbox"/>	1-1	Two Critical Hazard Facilities within 2 mile and a dozen Tier II HAZMAT Facilities within 3 miles. Major interstate highway within 1/4 mile. Two railroads have tracks within 1/2 mile with no restrictions on materials carried. Four nearby buried long-distance	Collateral effects of attacks or accidents impact CI-BC similar to CBR attacks. See recommendations for HVAC systems.	<input type="checkbox"/>
<input type="checkbox"/>	1-2	The site is above the tank farm and the rear parking area slopes away from the building to a stream, which allows winds to pass over the structure unhindered.	None.	<input type="checkbox"/>
<input type="checkbox"/>	1-3	With a loading dock on the west side, it is possible for vehicles to park right next to the building. Normal parking for employees is in front; the closest row is 44 feet from the front door.	Increased stand-off or increased access control is needed to reduce risk of vehicle-borne improvised explosive device. Any action will require coordination with Business Park Management and other tenants due to impacts on the overall business park.	<input checked="" type="checkbox"/>

Select All Update Local Copy Copy and OVERWRITE Copy and APPEND Close

Record: 1 of 23 (Filtered)



FEMA

Close Assessment Tool

Main Menu for Assessors

FEMA

FEMA 452: Risk Assessment Database v.3.0 Assessment Tool

Facility: Assessment Date: Assessment Type:

Facility and Team Information	Checklists	Executive Summary/Vulnerability
<input type="button" value="General Facility Information"/>	<input type="button" value="1- Site Checklist"/>	<input type="button" value="Facility Executive Summary"/>
<input type="button" value="Assessment Team"/>	<input type="button" value="2 - Architectural"/>	<input type="button" value="Facility Vulnerabilities"/>
<input type="button" value="Facility Points of Contact"/>	<input type="button" value="3 - Structural"/>	
	<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"/>	<input type="button" value="Close"/>
	<input type="button" value="14-COOP Facility: Additional Concerns"/>	

Threat Matrices

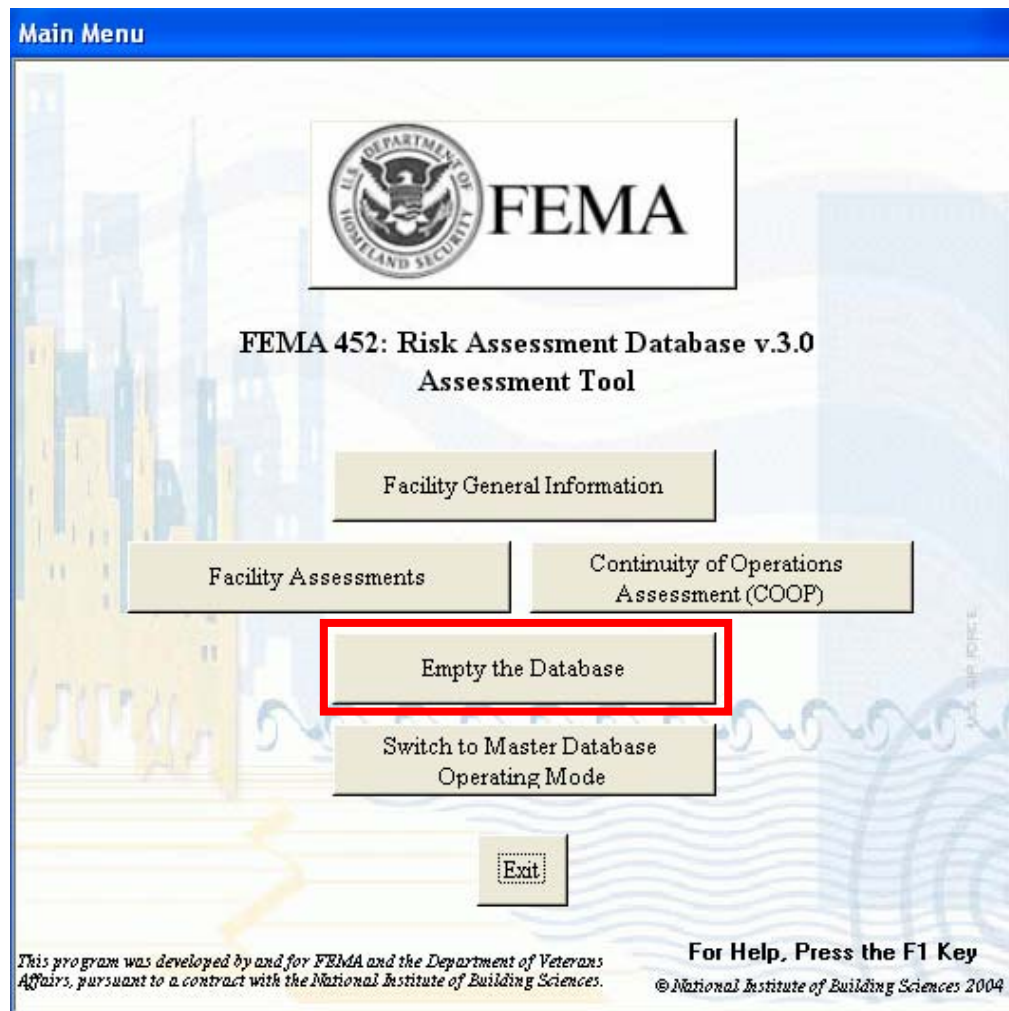
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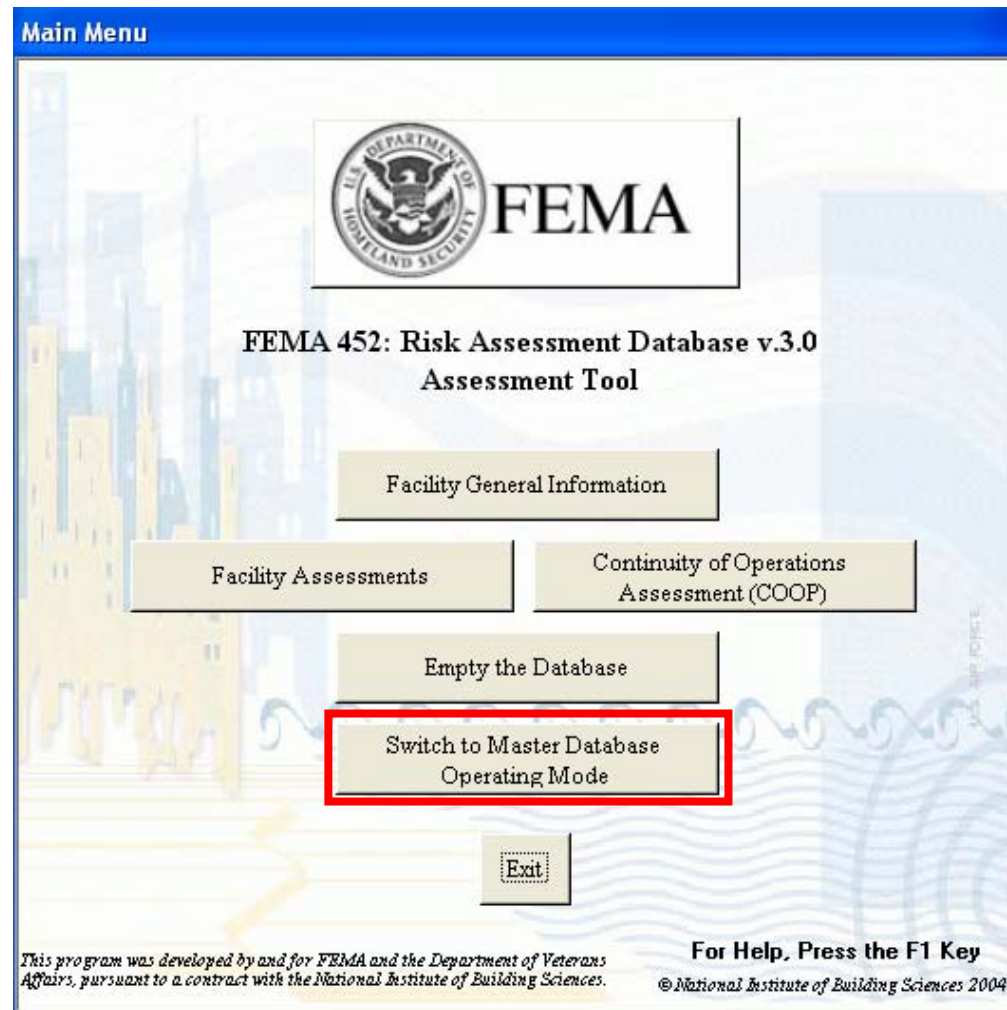
FEMA

Empty Database



FEMA

Switch to Master Database



FEMA

Switch to Master Database

Microsoft Access



The system is currently operating in ASSESSOR TOOL mode.

Would you like to switch Modes to the MASTER DATABASE mode?

Yes

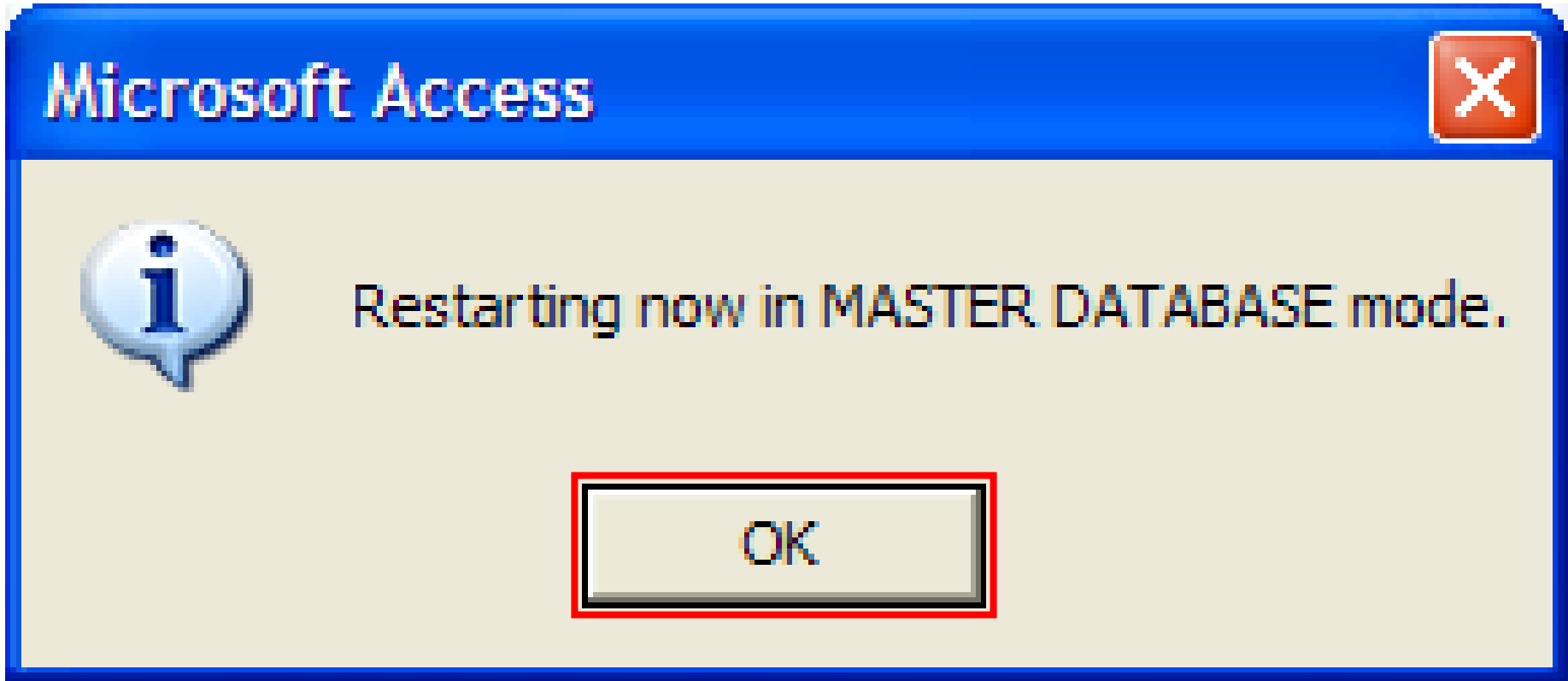
No

Cancel



FEMA

Switch to Master Database



FEMA

Master Database Mode



FEMA

View Checklists

List of Assessments

Assessment ID	Assessment Location	Organization Name	Assessment Date	Assessment Type	Assessment Folder Name
26	Hazardville Information Co	Hazardville Information Co	2/2/2007	Facility Tier 1	Assessment_2007-02-02\
27	CI-BC	CI-BC	2/2/2007	COOP Facility	Assessment_2007-02-02\

Record: 1 of 2



FEMA

View Checklists

Assessment Checklists

Facility Name:

Assessment Location:

Assessment Date: Type:

Q#	Observation	Recommendation / Remediation	Vulnerability?	Vulnerability Assessment Checklist Question
▶ 1-1				What major structures surround the facility (site or building)?
1-2				Does the terrain place the building in a depression or low area?
1-3				In dense, urban areas, does curb lane parking place uncontrolled vehicles in the way of the building?
1-4				Is a perimeter fence or other types of barrier controls in place?
1-5				What are the site access points to the site or building?
1-6				Is vehicle traffic separated from pedestrian traffic on the site?
1-7				Is there vehicle and pedestrian access control at the perimeter?
1-8				Is there space for inspection at the curb line or outside the building?
1-9				Is there any potential access to the site or building through the perimeter?
1-10				What are the existing types of vehicle anti-ram devices?
1-11				What is the anti-ram buffer zone stand-off distance from the building?
1-12				Are perimeter barriers capable of stopping vehicles? -- W

Record: of 25



FEMA

Reports

List of Assessments

Assessment ID	Assessment Location	Organization Name	Assessment Date	Assessment Type	Assessment Folder Name
26	Hazardville Information Co	Hazardville Information Co	2/2/2007	Facility Tier 1	Assessment_2007-02-02\
27	CI-BC	CI-BC	2/2/2007	COOP Facility	Assessment_2007-02-02\

Record: 1 of 2

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

Assessment Checklist | Critical Function | Critical Infrastructure | Facility Information | **Assessment Reports** | Other Reports | Help | Close



FEMA

Reports

List of Assessments

Assessment ID	Assessment Location	Organization Name	Assessment Date	Assessment Type	Assessment Folder Name
5	CI-BC				Assessment_2007-02-02\
6	CI-BC2				Assessment_2007-02-02\

Assessment Reports Menu

Facility: CI-BC

Summary Sheet

Vulnerabilities

Executive Summary

Threat Matrix

Facility Assessment Team

Facility Points of Contact

Facility Information

Observations and Comments

For Help, Press the F1 Key

Close

Executive Summary

Vulnerabilities

Portfolio

Miscellaneous Files

Assessment Checklist

Critical Function

Critical Infrastructure

Facility Information

Assessment Reports

Other Reports

Help

Close

Record: 1 of 2



FEMA

Reports

FEMA 452: Risk Assessment Database v2.0 - [Vulnerability Report without Costs]

Help

File Close Report

Vulnerabilities and Recommendations

Priority	Building Number	Vulnerability	Recommendation/Remediation
1	CI-BC	All windows are in the office space area of the building (all the front and half of one side). In that area the penetration is probably more than 40%. The window system is standard commercial installation and thus, the glass, framing and anchorage are expected to be insufficient for the design basis threat.	For balanced performance, the anchorage of the windows should be improved for the blast capability of the frame and silicone sealant and fragmentation retention film should be added to the glass.
2	CI-BC	With a loading dock on the west side, it is possible for vehicles to park right next to the building. Normal parking for employees is in front; the closest row is 44 feet from the front door.	Increased stand-off or increased access control is needed to reduce risk of vehicle-borne improvised explosive device. Any action will require coordination with Business Park Management and other tenants due to impacts on the overall business park. For example, increase distance to first parking space to 50 feet by closing off nearby parking, control access to rear of building, or use reserved parking spaces in front of building anywhere within 80 feet of building.
3	CI-BC	The loading dock connects directly into the interior space, critical functions, and infrastructure.	There is little that can be done for the loading dock directly. Access control already required for other vulnerabilities will be beneficial in keeping threats away from the loading dock and reducing risk.

Page 1

Page: 1



FEMA

Reports

List of Assessments

Assessment ID	Assessment Location	Organization Name	Assessment Date	Assessment Type	Assessment Folder Name
5	CI-BC				Assessment_2007-02-02\
6	CI-BC2				Assessment_2007-02-02\

Assessment Reports Menu

Facility:

Summary Sheet

Executive Summary

Vulnerabilities

Threat Matrix

Facility Assessment Team

Facility Points of Contact

Facility Information

Observations and Comments

For Help, Press the F1 Key

Executive Summary | Vulnerabilities | Portfolio | Miscellaneous Files

Assessment Checklist | Critical Function | Critical Infrastructure | Facility Information | **Assessment Reports** | Other Reports | Help | Close

Record: 1 of 2



FEMA

Reports

FEMA 452: Assessment Database v3.0 - [Executive Summary Report]

File: **Close Report**

Close this Report

Executive Summary

Introduction

Coopersville Information Co. (CI-BC) is a state-of-the-art information technology (IT) services company located in a major metropolitan city in a typical suburban business office park. The company's mission is to provide information technology and services support to include hosting servers, databases, applications, and other hardware and software, develop, install, and maintain software applications; provide field support IT technicians; and provide 24-hour help desk support.

CI-BC has over 20 clients and supports approximately 1,000 users and 100 applications as a primary data center and as a disaster recovery site. CI-BC clients include local and regional government offices and commercial entities along with large prime defense contractors and Federal government agencies. CI-BC handles unclassified and classified information.

Observations

Due to standard business office park construction, CI-BC is vulnerable to terrorist attacks and technological accidents both as the targeted facility and as collateral damage. There are limited procedural changes available to provide protection. Each attack possibility has a set of measures that can be prioritized and applied to mitigate that attack and reduce the risk from other attacks as well.

Recommendations / Remediations

The owner has agreed to work with a recommended set of design-basis threat (DBT) and consider GSA and DoD facility levels of protection criteria. Access control of vehicles would be the primary deterrent for vehicle-borne improvised explosive devices. While Chemical, Biological, Radiological (CBR) attacks are at a risk level to consider, proximity to transportation, storage, and other HAZMAT sites indicates that CBR considerations would also provide protection against technological accidents. There are also measures to take from a COOP (Continuity of Operations Plans) perspective as this is a backup facility for other data centers.

Page: 1

Ready



FEMA

Reports

List of Assessments

Assessment ID	Assessment Location	Organization Name	Assessment Date	Assessment Type	Assessment Folder Name
5	CI-BC				Assessment_2007-02-02\
6	CI-BC2				Assessment_2007-02-02\

Assessment Reports Menu

Facility:

- Summary Sheet
- Vulnerabilities
- Executive Summary
- Threat Matrix**
- Facility Assessment Team
- Facility Points of Contact
- Facility Information
- Observations and Comments

For Help, Press the F1 Key

Executive Summary | Vulnerabilities | Portfolio | Miscellaneous Files

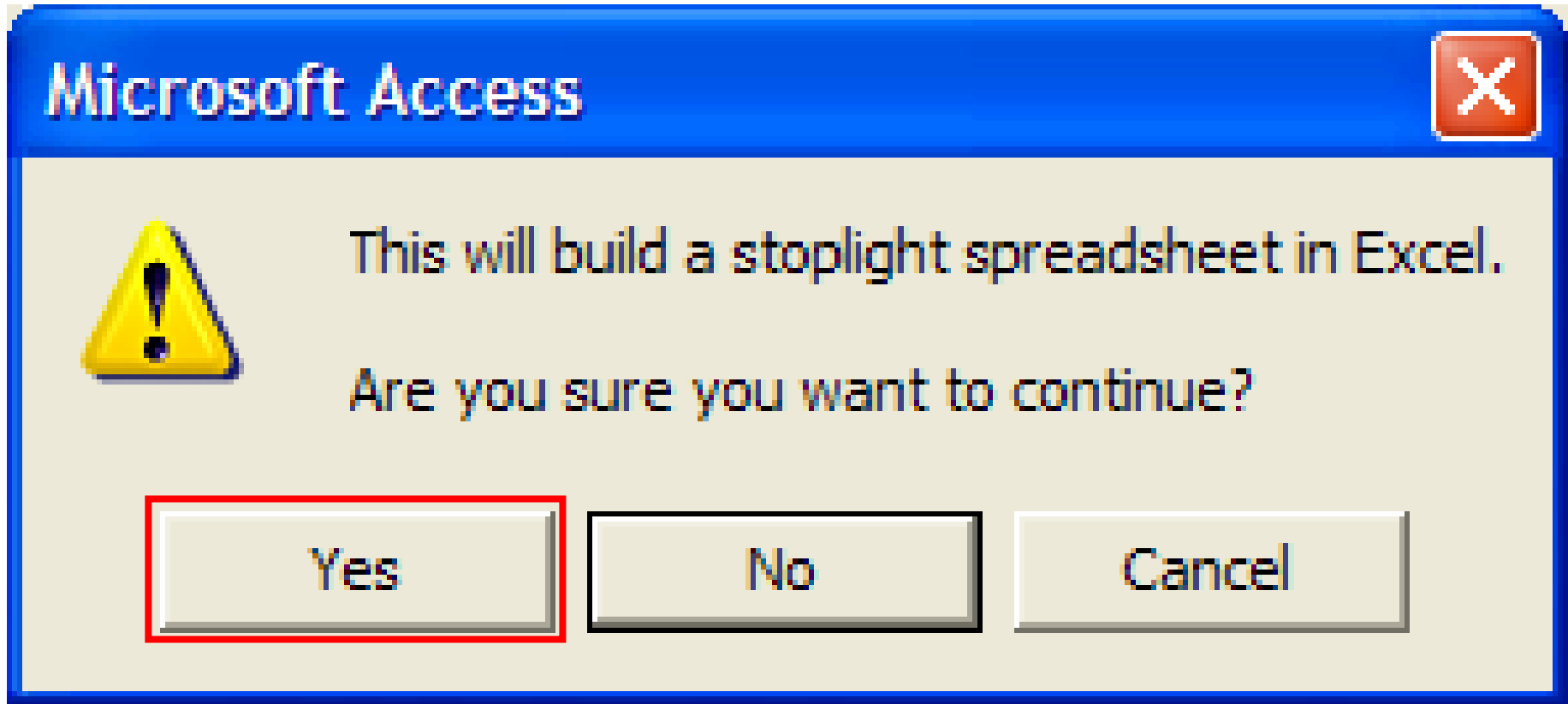
Assessment Checklist | Critical Function | Critical Infrastructure | Facility Information | **Assessment Reports** | Other Reports | Help | Close

Record: 1 of 2



FEMA

Reports



FEMA

Threat Matrix

K7		fx										
	A	B	C	D	E	F	G	H	I	J	K	
11	Facility											
12				Improvised	Chemical	Arson / Incendiary	Armed	Biological	Cyberterrorism	Agriterrorism	Radiological	N
13	Critical Infrastructure			Explosive Device	Agent	Attack	Attack	Agent			Agent	C
14												
15	Site			240	160	0	120	160	15	0	160	
16		Threat Rating		6	4	0	3	4	1	0	4	
17		Asset Value		5	5	0	5	5	5	0	5	
18		Vulnerability Rating		8	8	0	8	8	3	0	8	
19	Architectural			240	80	0	120	80	15	0	80	
20		Threat Rating		6	4	0	3	4	1	0	4	
21		Asset Value		5	5	0	5	5	5	0	5	
22		Vulnerability Rating		8	4	0	8	4	3	0	4	
23	Structural Systems			240	60	0	120	60	15	0	60	
24		Threat Rating		6	4	0	3	4	1	0	4	
25		Asset Value		5	5	0	5	5	5	0	5	
26		Vulnerability Rating		8	3	0	8	3	3	0	3	
27	Envelope Systems			240	60	0	120	60	15	0	60	
28		Threat Rating		6	4	0	3	4	1	0	4	
29		Asset Value		5	5	0	5	5	5	0	5	
30		Vulnerability Rating		8	3	0	8	3	3	0	3	
31	Utility Systems			180	60	0	175	60	75	0	60	
32		Threat Rating		6	4	0	5	4	3	0	4	
33		Asset Value		5	5	0	5	5	5	0	5	
34		Vulnerability Rating		6	3	0	7	3	5	0	3	
35	Mechanical Systems			224	196	0	245	196	105	0	196	
36		Threat Rating		4	4	0	5	4	3	0	4	
37		Asset Value		7	7	0	7	7	7	0	7	
38		Vulnerability Rating		8	7	0	7	7	5	0	7	
39	Plumbing and Gas Systems			160	100	0	120	100	30	0	100	
40		Threat Rating		4	4	0	3	4	2	0	4	
41		Asset Value		5	5	0	5	5	5	0	5	
42		Vulnerability Rating		8	5	0	8	5	3	0	5	
43	Electrical Systems			224	140	0	147	140	105	0	140	
44		Threat Rating		4	4	0	3	4	3	0	4	
45		Asset Value		7	7	0	7	7	7	0	7	
46		Vulnerability Rating		8	5	0	7	5	5	0	5	
47	Fire Alarm Systems			160	60	0	45	60	30	0	60	
48		Threat Rating		4	4	0	3	4	2	0	4	
49		Asset Value		5	5	0	5	5	5	0	5	
50		Vulnerability Rating		8	3	0	3	3	3	0	3	
51	IT and Communication Systems			320	240	0	240	240	1000	0	240	
52		Threat Rating		4	4	0	3	4	10	0	4	
53		Asset Value		10	10	0	10	10	10	0	10	
54		Vulnerability Rating		8	6	0	8	6	10	0	6	
55	Other1			0	0	0	0	0	0	0	0	



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Other Reports

List of Assessments

Assessment ID	Assessment Location	Organization Name	Assessment Date	Assessment Type	Assessment Folder Name
5	CI-BC				Assessment_2007-02-02\
6	CI-BC2				Assessment_2007-02-02\

Assessment Reports Menu

Facility:

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

For Help, Press the F1 Key

Record: 1 of 2

Assessment Reports Menu

Executive Summary | Vulnerabilities | Portfolio | Miscellaneous Files

Assessment Checklist | Critical Function | Critical Infrastructure | Facility Information | Assessment Reports | Other Reports | Help | Close



FEMA

Other Reports

List of Assessments

Assessment ID	Assessment Location	Organization Name	Assessment Date	Assessment Type	Assessment Folder Name
26	Hazardville Information Co	Hazardville Information Co	2/2/2007	Facility Tier 1	Assessment_2007-02-02\
27	CI-BC	CI-BC	2/2/2007	COOP Facility	Assessment_2007-02-02\

Record: 1 of 2

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

Assessment Checklist | Critical Function | Critical Infrastructure | Facility Information | Assessment Reports | **Other Reports** | Help | Close



FEMA

Other Reports

Search Reports Menu

Search Reports Menu

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

Search Observations and
Recommendations/Remediations

Search Vulnerabilities and
Recommendations/Remediations

Close



FEMA

Other Reports

Observations and Recommendations/Remediations for Assessment Checklist

Facility Name	Vulnerability Assessment Checklist #	Section Heading	Observation	Recommendation / Remediation
<input type="text"/>	1	Site	<input type="text"/>	<input type="text"/>
CI-BC	1-1	Site		
CI-BC	1-2	Site		
CI-BC	1-3	Site		
CI-BC	1-4	Site		
CI-BC	1-5	Site		

Print Observations, Sorted by Site Print Observations, Sorted by Checklist # Close

Record: 1 of 50



FEMA

Other Reports

Search Reports Menu

Search Reports Menu

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

Search Observations and
Recommendations/Remediations

Search Vulnerabilities and
Recommendations/Remediations

Close



FEMA

Other Reports

List of Assessments

Assessment ID	Assessment Location	Organization Name	Assessment Date	Assessment Type	Assessment Folder Name
26	Hazardville Information Co	Hazardville Information Co	2/2/2007	Facility Tier 1	Assessment_2007-02-02\
27	CI-BC	CI-BC	2/2/2007	COOP Facility	Assessment_2007-02-02\

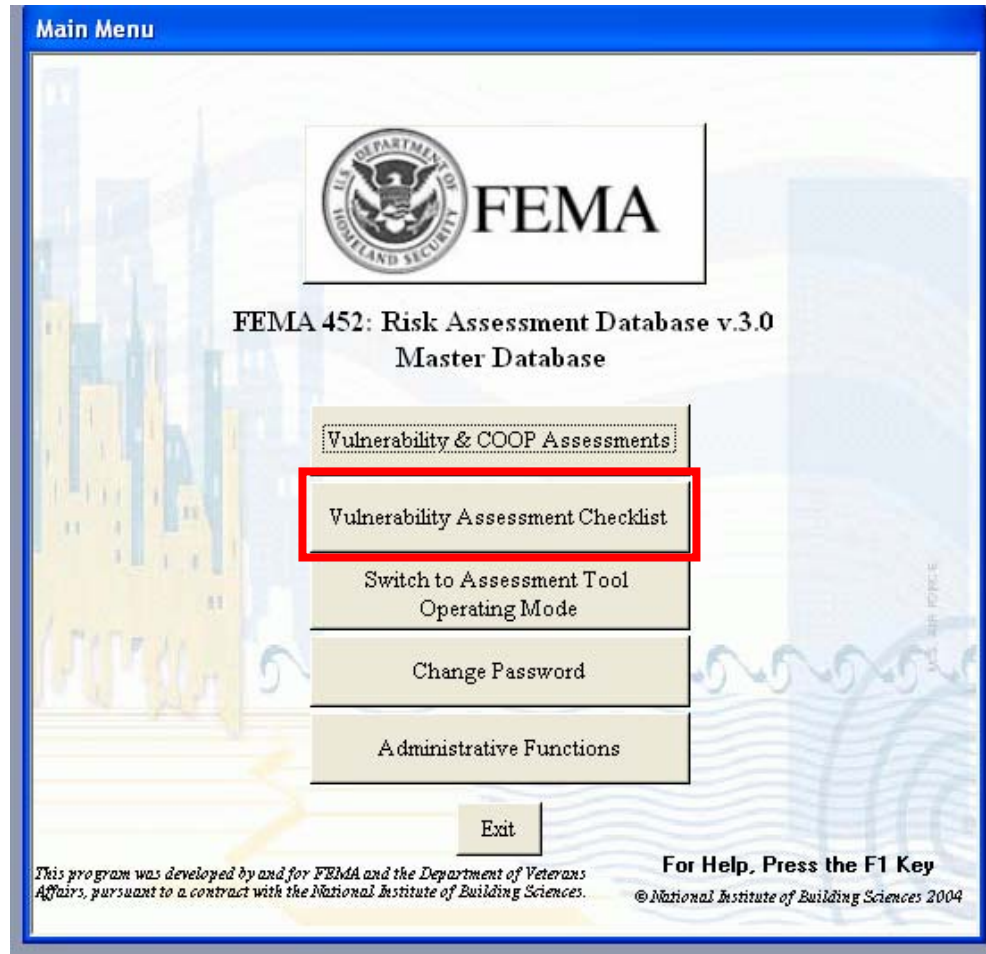
Record: 1 of 2

Executive Summary | Vulnerabilities | Points of Contact | Assessment Team | Photos | GIS Portfolio | Miscellaneous Files | Assessment Checklist | Critical Function | Critical Infrastructure | Facility Information | Assessment Reports | Other Reports | Help | **Close**



FEMA

Master Database



FEMA

Vulnerability Assessment Checklist Search

Assessment Checklist Question Details

Vulnerability Assessment Checklist #	Section Header	Question	Guidance	Additional Reference
<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="button" value="Search"/> <input type="button" value="Clear"/>
1-1	Site	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	Critical infrastructure to consider includes: - Telecommunications infrastructure - Facilities for broadcast TV, cable TV; cellular networks; newspaper offices, production, and distribution; radio stations; satellite base	FPC 65: Annex E, Alternate Operating Facilities, Planning Considerations, para 1
1-2	Site	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	FPC 65: Annex E, Alternate Operating Facilities, Planning Considerations, para 1
1-3	Site	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	FPC 65: Annex E, Alternate Operating Facilities, Planning Considerations, para 8

Record: of 254



FEMA

Vulnerability Assessment Checklist Search

All Observations and Recommendations/Remediations for this Question

Vulnerability Assessment Section Header:

Question 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 the other major structures or attack on the major structures impacting this facility)? -- What are the adjacent land uses immediately outside the perimeter of this facility (site or building(s))? -- Do future development plans change these land uses outside the facility (site or building (s)) perimeter? -- Although this question bridges threat and vulnerability, the threat is the man-made hazard that can occur (likelihood and impact) and the vulnerability is the proximity of the hazard to the building(s) being assessed. Thus, a chemical plant

Guidance 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 switching stations, including critical cable routes and major rights of way - Electric power systems - Power plants, especially nuclear facilities; transmission and distribution system components; fuel distribution, delivery, and storage - Gas and oil facilities - Hazardous material facilities, oil/gas pipelines and storage facilities - Banking and finance institutions - Financial institutions (banks, credit unions) and the business district: note schedule business/financial district may follow: armored car services - Transportation networks - Airports:

Additional Reference FPC 65: Annex E, Alternate Operating Facilities, Planning Considerations, para 1

Site Name	Assessment		Observation	Recommendation /Remediation	Vulnerability?
	Date	Type			
CI-BC	2/2/2007	COOP Fac			<input type="checkbox"/>
Hazardville Information Company	2/2/2007	Facility Tier 1			<input type="checkbox"/>

Record: of 2

For Help, Press the F1 Key

Record: of 1 (Filtered)



FEMA

Vulnerability Assessment Checklist Search

All Observations and Recommendations/Remediations for this Question

Vulnerability Assessment Section Header:

Question 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 the other major structures or attack on the major structures impacting this facility)? -- What are the adjacent land uses immediately outside the perimeter of this facility (site or building(s))? -- Do future development plans change these land uses outside the facility (site or building (s)) perimeter? -- Although this question bridges threat and vulnerability, the threat is the man-made hazard that can occur (likelihood and impact) and the vulnerability is the proximity of the hazard to the building(s) being assessed. Thus, a chemical plant

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Additional Reference FPC 65: Annex E, Alternate Operating Facilities, Planning Considerations, para 1

Site Name	Assessment		Observation	Recommendation /Remediation	Vulnerability?
	Date	Type			
CI-BC	2/2/2007	COOP Fac			<input type="checkbox"/>
Hazardville Information Company	2/2/2007	Facility Tier 1			<input type="checkbox"/>

Record: of 2

For Help, Press the F1 Key

Record: of 1 (Filtered)



FEMA

Vulnerability Assessment Checklist Search

Assessment Checklist Question Details

Vulnerability Assessment Checklist #	Section Header	Question	Guidance	Additional Reference
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="Search"/> <input type="button" value="Clear"/>
1-1	Site	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	Critical infrastructure to consider includes: - Telecommunications infrastructure - Facilities for broadcast TV, cable TV; cellular networks; newspaper offices, production, and distribution; radio stations; satellite base	FPC 65: Annex E, Alternate Operating Facilities, Planning Considerations, para 1
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View Questions/Observations

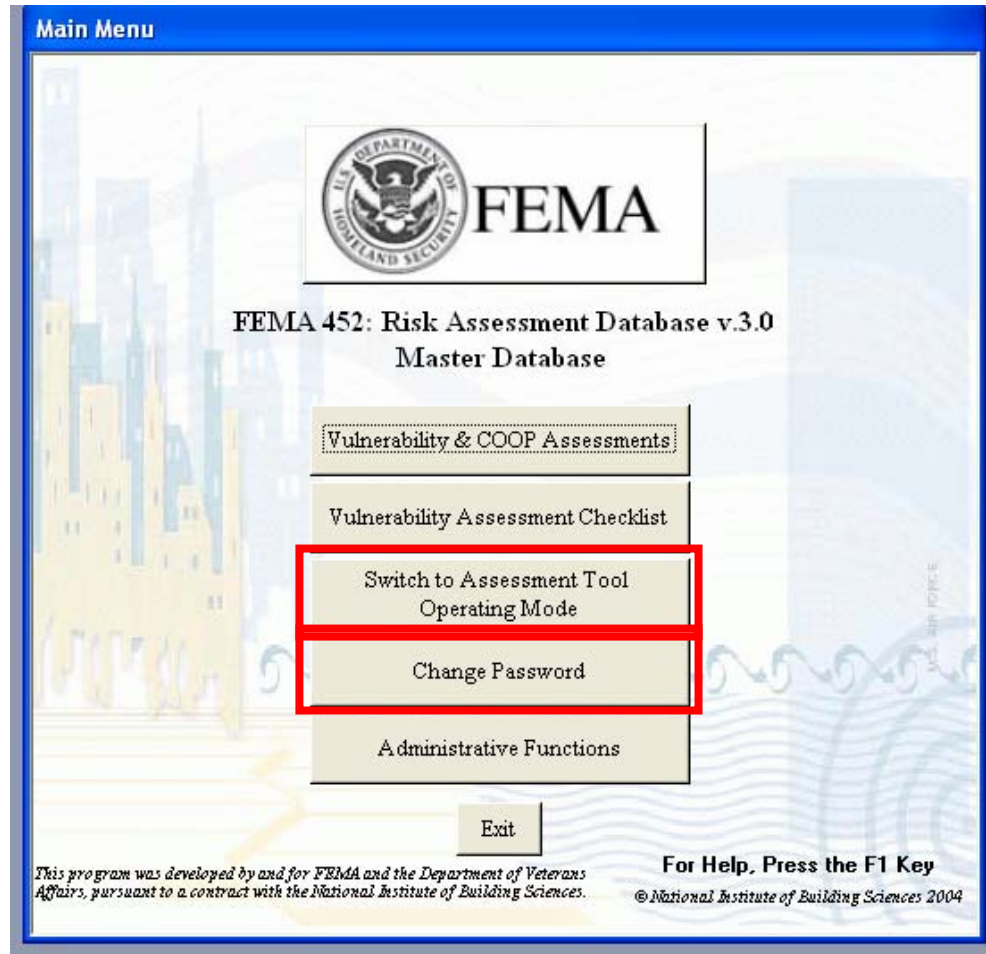
For Help, Press the F1 Key

Record: 1 of 254



FEMA

Master Database



FEMA

Master Database

Change Password for a User Account

Change Password

User Name:

Old Password:

New Password:

Verify:

** Passwords need to be at least 8 characters long, and they must include at least 3 of the 4 characters from the following categories:


1. Lower case letters (a-z)
2. Upper case letters (A-Z)
3. Numbers (0-9)
4. Special characters (^!@#,etc)



FEMA

Master Database

Main Menu



FEMA

FEMA 452: Risk Assessment Database v.3.0
Master Database

- Vulnerability & COOP Assessments
- Vulnerability Assessment Checklist
- Switch to Assessment Tool
Operating Mode
- Change Password
- Administrative Functions**
- Exit

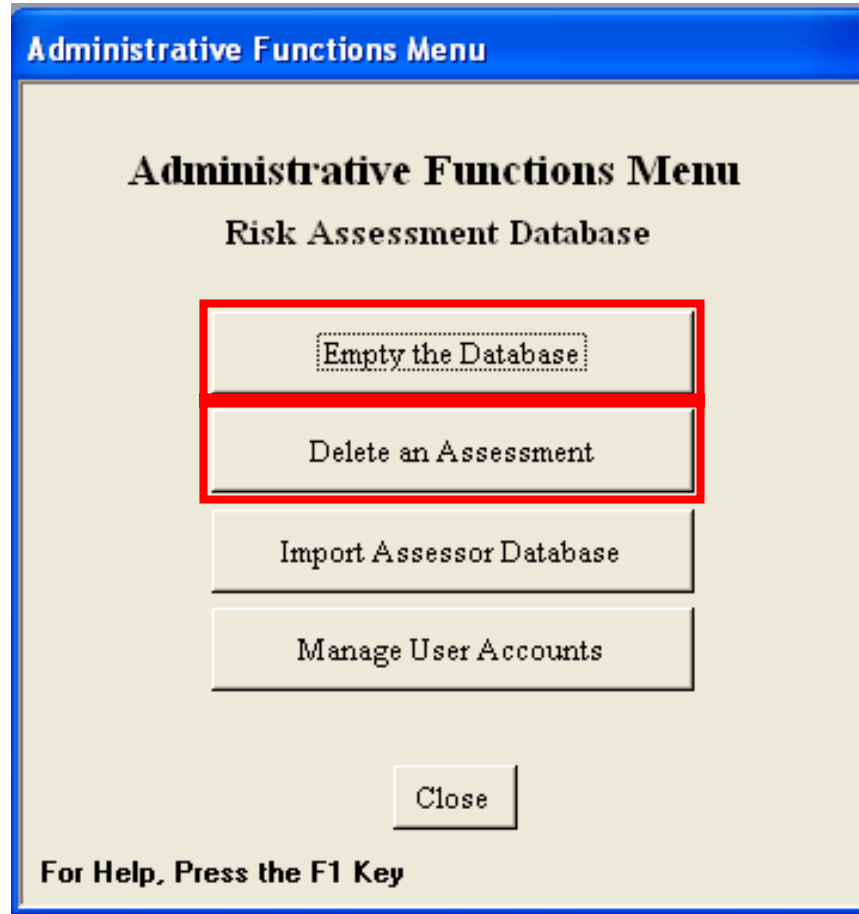
This program was developed by and for FEMA and the Department of Veterans Affairs, pursuant to a contract with the National Institute of Building Sciences.

For Help, Press the F1 Key
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Master Database: Erasing One or All Assessments



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Master Database: Erasing One or All Assessments

List of Assessments

Assessment ID	Assessment Location	Organization Name	Assessment Date	Assessment Type	Assessment Folder Name
5	CI-BC		2/2/2007	COOP Facility	Assessment_2007-02-02\
6	CI-BC2		2/2/2007	COOP Facility	Assessment_2007-02-02\

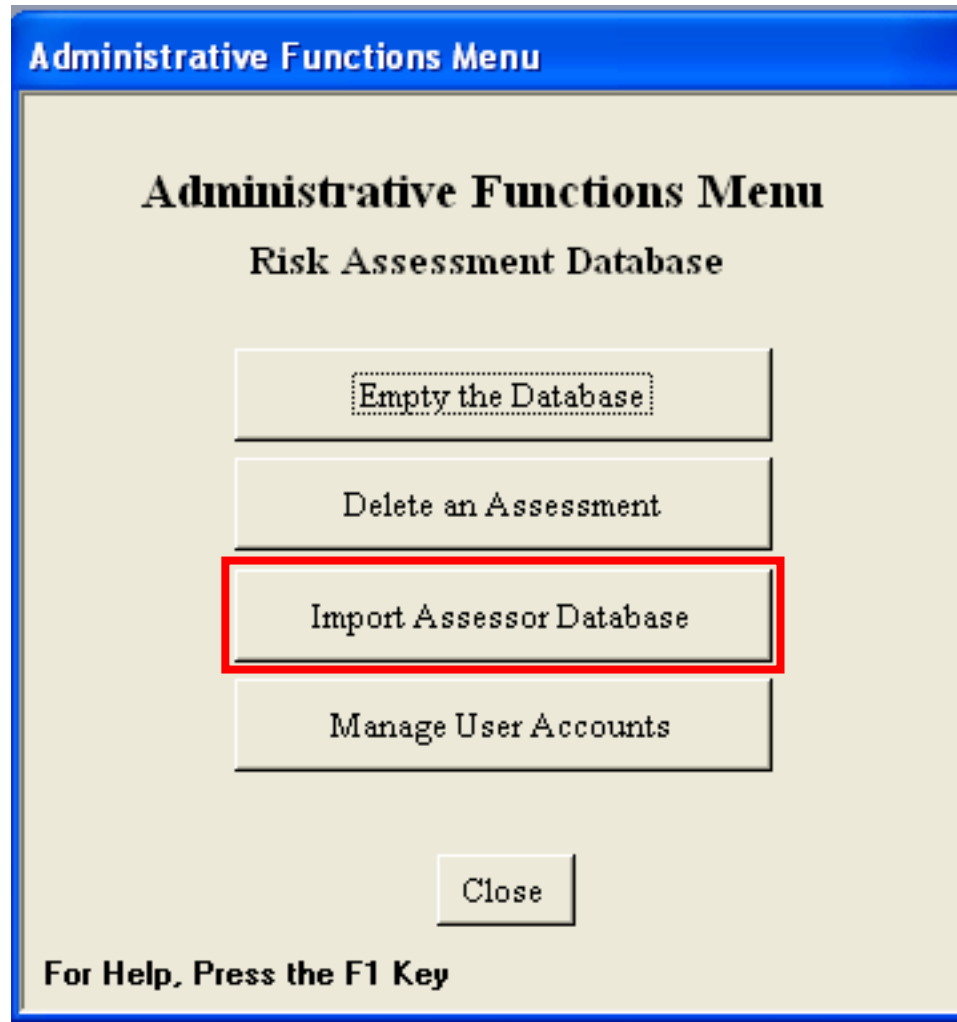
Record: 2 of 2

For Help, Press the F1 Key



FEMA

Master Database: Import Function



FEMA

Master Database: Import Function

Import Assessments

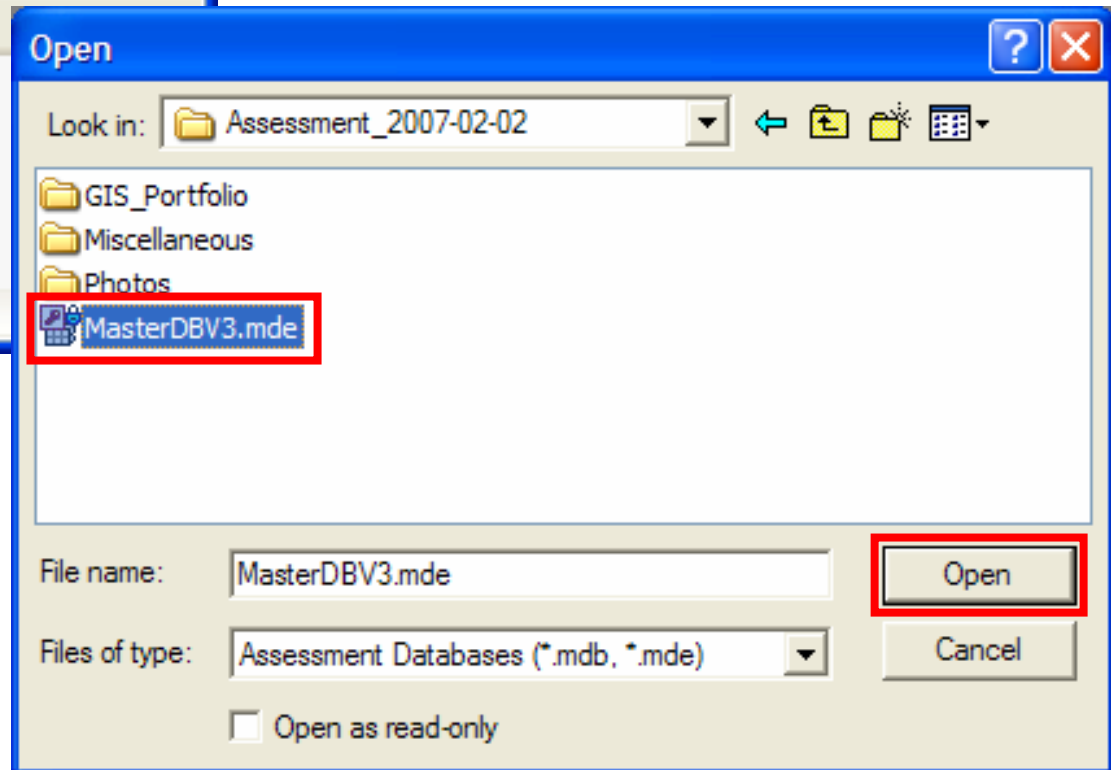
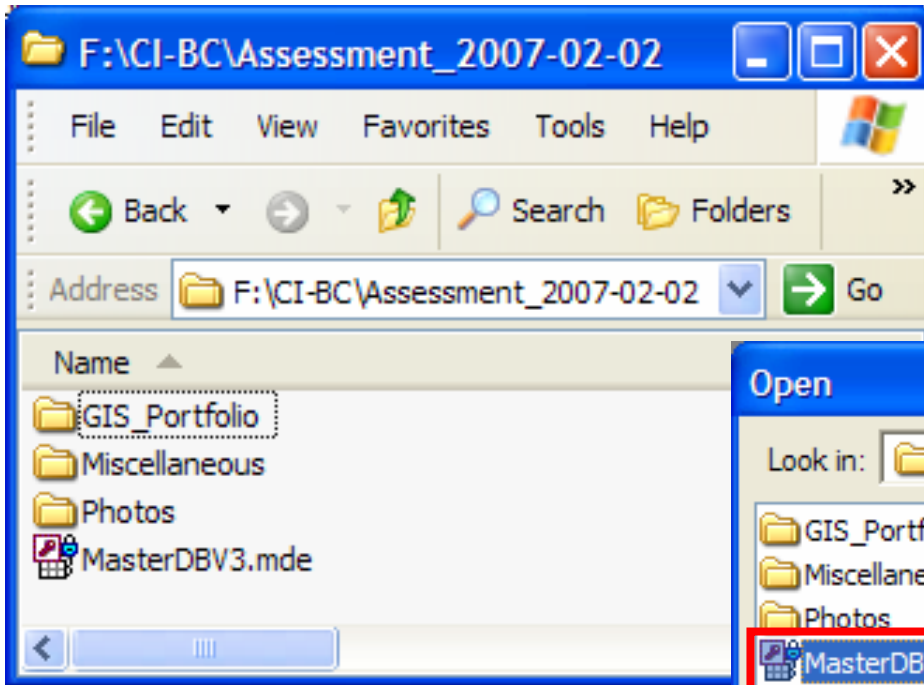
Select a database from which to import an Assessment. Then click [Import].

Currently Linked to:



FEMA

Master Database: Import Function



FEMA

Master Database: Import Function

Import Assessments

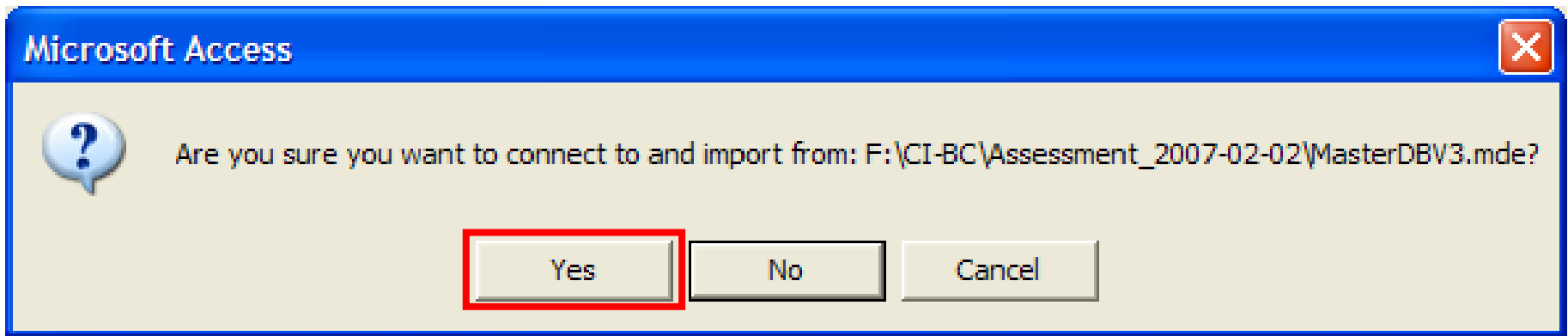
Select a database from which to import an Assessment. Then click [Import].

Link and Import from:



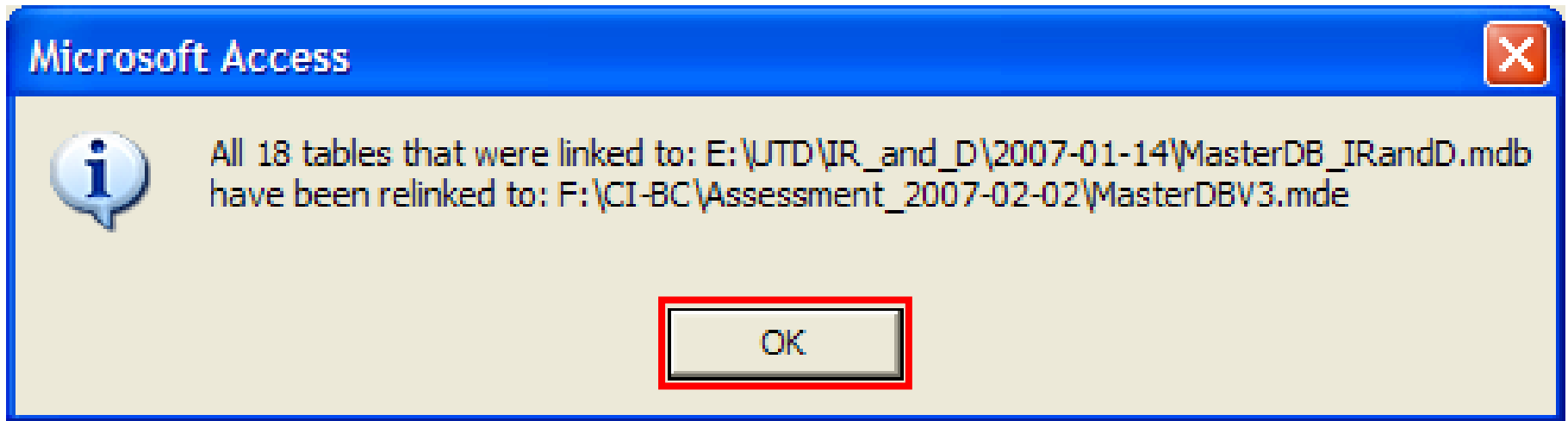
FEMA

Master Database: Import Function



FEMA

Master Database: Import Function



FEMA

Master Database: Import Function

frmSiteAssessments_Remote

Assessments Available for Import From: F:\CI-BC\Assessment_2007-02-02\MasterDBV3.mde

Site Name	Site Folder Name	Address 1	City	Assessment Location	Assessment Date	Type	Assessment
CI-BC	CI-BC\			CI-BC	2/2/2007	COOP Facility	Assessment_2007-0:
CI-BC2	CI-BC2\			CI-BC2	2/2/2007	COOP Facility	Assessment_2007-0:

Select Assessment

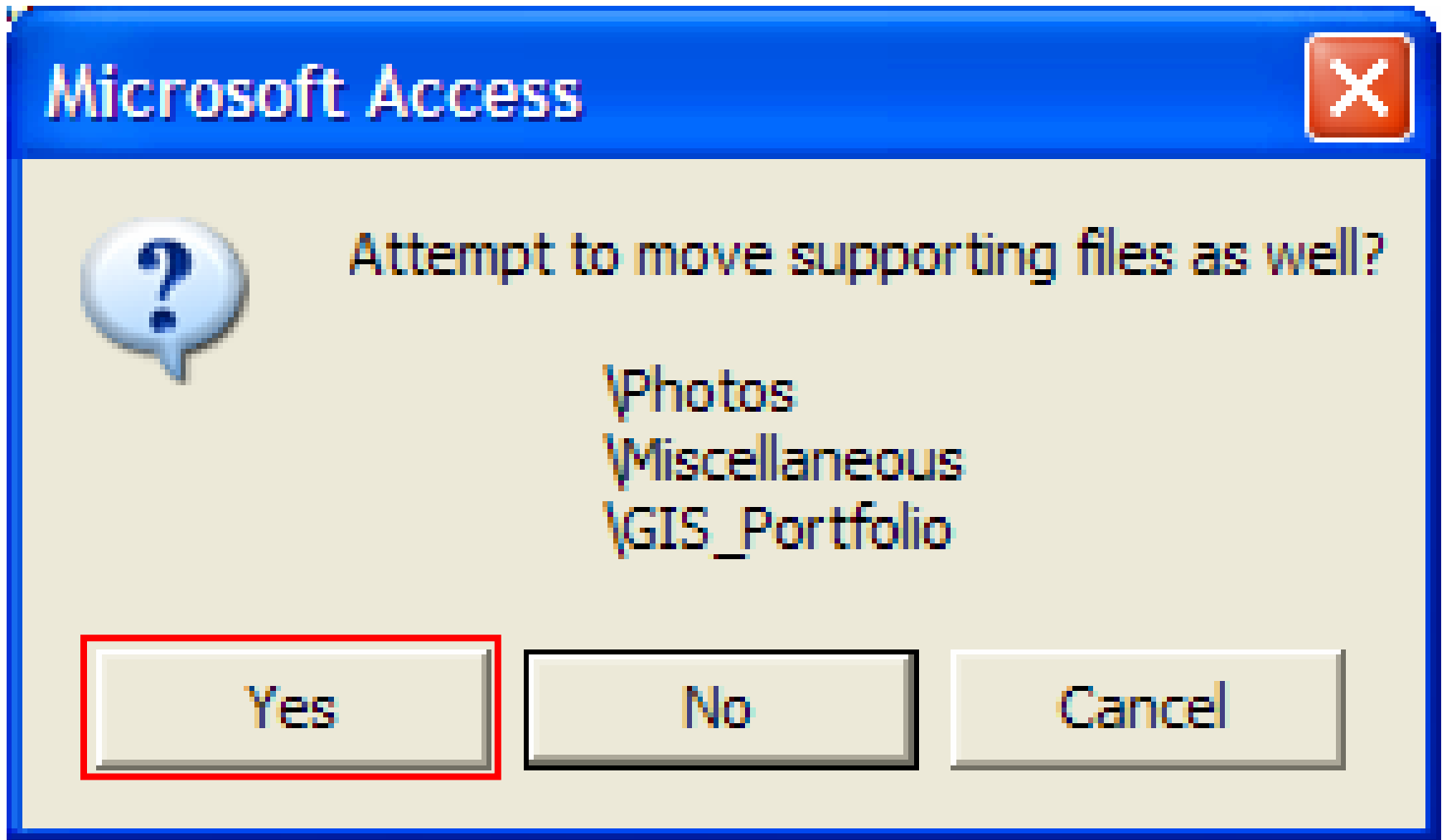
Cancel

Record: 1 of 2



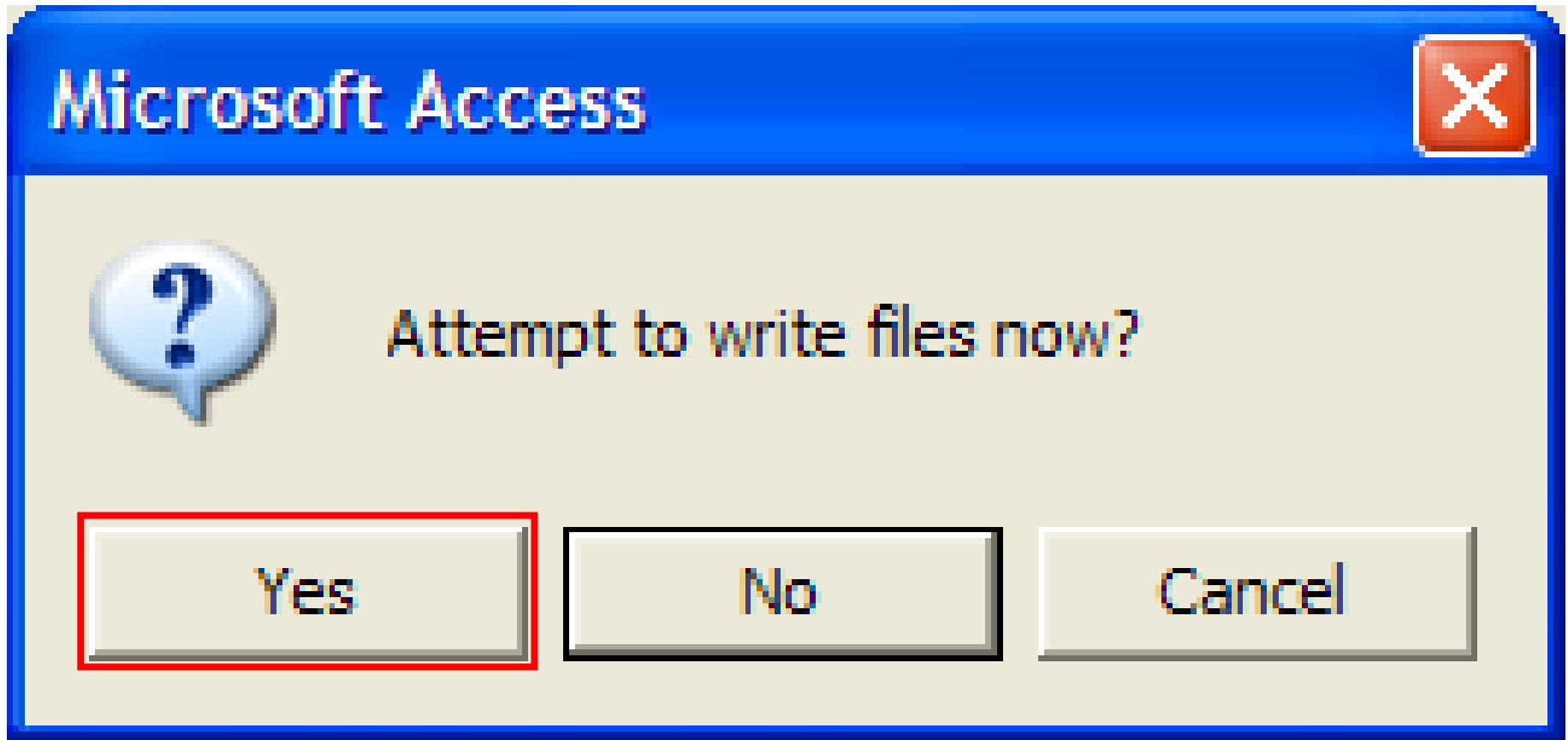
FEMA

Master Database: Import Function



FEMA

Master Database: Import Function



FEMA

Master Database: Import Function

Import Assessments

Select a database from which to import an Assessment. Then click [Import].

Link and Import from:



FEMA

Master Database: Import Function

Import Detailed Diagnostics

Import Order	Importing	NumberOf RecordsBefore	NumberOf RecordsAttempted	NumberOf RecordsAfter	Successful
1	Sites	2	1	3	<input checked="" type="checkbox"/>
2	Buildings (*handled differently)	1	30	30	<input checked="" type="checkbox"/>
3	People	0	0	0	<input checked="" type="checkbox"/>
4	Assessments	2	1	3	<input checked="" type="checkbox"/>
5	Observations	508	254	762	<input checked="" type="checkbox"/>
6	Vulnerabilities	1	1	2	<input checked="" type="checkbox"/>
7	Executive Summary	2	1	3	<input checked="" type="checkbox"/>
8	Critical Infrastructure	40	20	60	<input checked="" type="checkbox"/>
9	Critical Functions	36	18	54	<input checked="" type="checkbox"/>
10	Assessment Personnel	0	0	0	<input checked="" type="checkbox"/>
11	GIS images this assessment	2	2	4	<input checked="" type="checkbox"/>
12	Photos	0	0	0	<input checked="" type="checkbox"/>
13	Assessment Photos	0	0	0	<input checked="" type="checkbox"/>
14	Miscellaneous files	1	1	2	<input checked="" type="checkbox"/>
15	COOP Essential Functions	0	0	0	<input checked="" type="checkbox"/>
16	COOP Deployment Planning	2	1	3	<input checked="" type="checkbox"/>
17	COOP Alternate Facility	2	1	3	<input checked="" type="checkbox"/>
18	Remediation Costs	4	44	8	<input type="checkbox"/>

Record: 1 of 18



FEMA

Master Database: Import Function

Import Assessments

Select a database from which to import an Assessment. Then click [Import].

Link and Import from:



FEMA

Master Database: Manage User Accounts

Administrative Functions Menu

Administrative Functions Menu
Risk Assessment Database

Empty the Database

Delete an Assessment

Import Assessor Database

Manage User Accounts

Close

For Help, Press the F1 Key



FEMA

Master Database: Manage User Accounts

List of Users and the Group to which they belong

User ID	User Name	Group
1	Administrator	Admins
2	Assessor	Admins
3	Editor	Full Data Users
4	Reader	Read-Only Users

Administrator, Assessor, Editor, and Reader passwords can be changed.

Add New User Delete User Change Group for: Reader Close

Record: 4 of 4



FEMA

Master Database: Manage User Accounts

Add a New User Account

Add a new USER Account

User Name	Group
<input type="text"/>	<input type="text"/>



FEMA

Master Database: Manage User Accounts

Add a New User Account

Add a new USER Account

User Name	Group
<input type="text" value="New User"/>	<input type="text" value="Read-Only Users"/>
<input type="button" value="Add User"/>	<input type="text" value="Full Data Users"/>
	<input type="text" value="Admins"/>



FEMA

Master Database: Manage User Accounts

List of Users and the Group to which they belong

User ID	User Name	Group
1	Administrator	Admins
2	Assessor	Admins
3	Editor	Full Data Users
4	New User	Full Data Users
5	Reader	Read-Only Users

Administrator, Assessor, Editor, and Reader passwords can be changed.

Add New User Delete User Change Group for: New User Close

Record: 4 of 5



FEMA

Summary

Installation, as appropriate, and opening of database

Filing of GIS Portfolio, Miscellaneous, and Photos to link with the database and importing the database in the two operating modes

Moving about the database software and between the Assessment Tool and the Master Database operating modes

Setting priorities on identified vulnerabilities and how the software records this process

Production of standard reports and searching the database for specific information

How to use administrative functions



FEMA