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

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Unit Objectives

Explain database install process, if not already installed

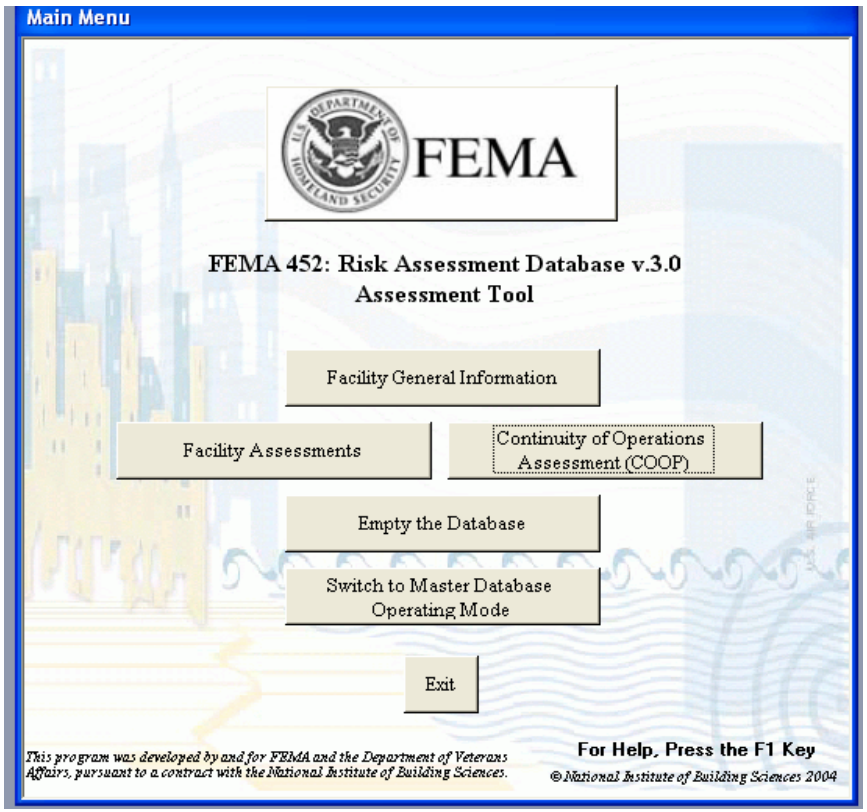
Identify where to save photos, maps, drawings, plans, etc. to interface with database

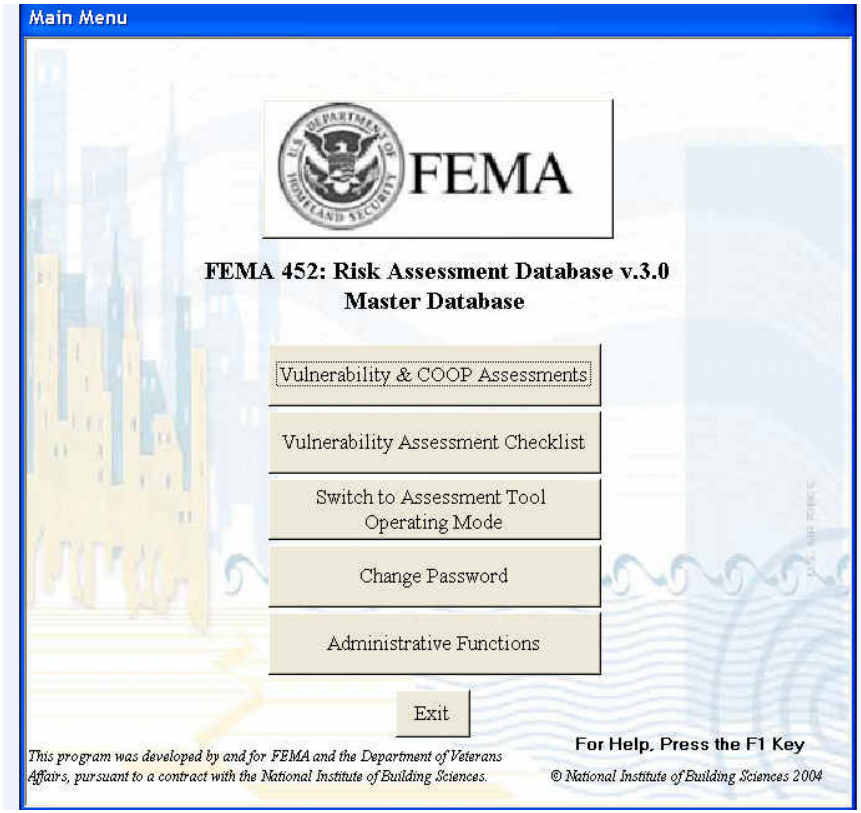
Explain information required for database to function within each screen, how to move between screens, and switch between assessment tool operating mode and master database operating mode

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 452: Risk Assessment





Assessment Tool Mode Master Database Mode

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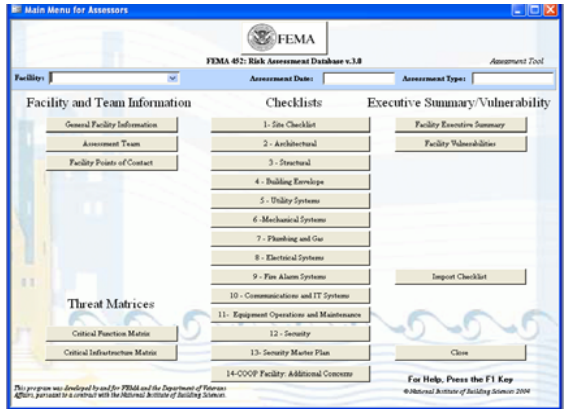
Database Structure

Conduct Assessment



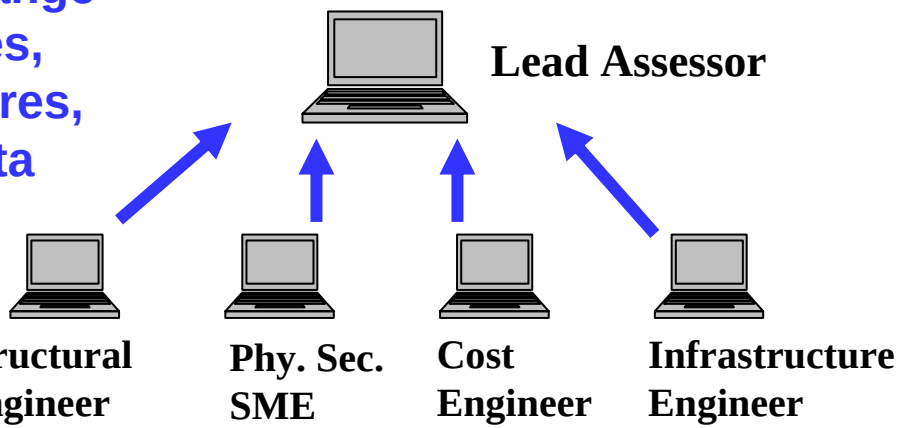
Assessment Tool Mode

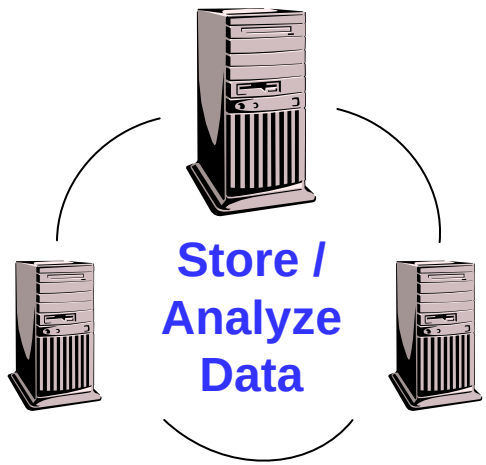
Import Assessments

Manage Program

Master Database Mode

Exchange Files, Pictures, Data





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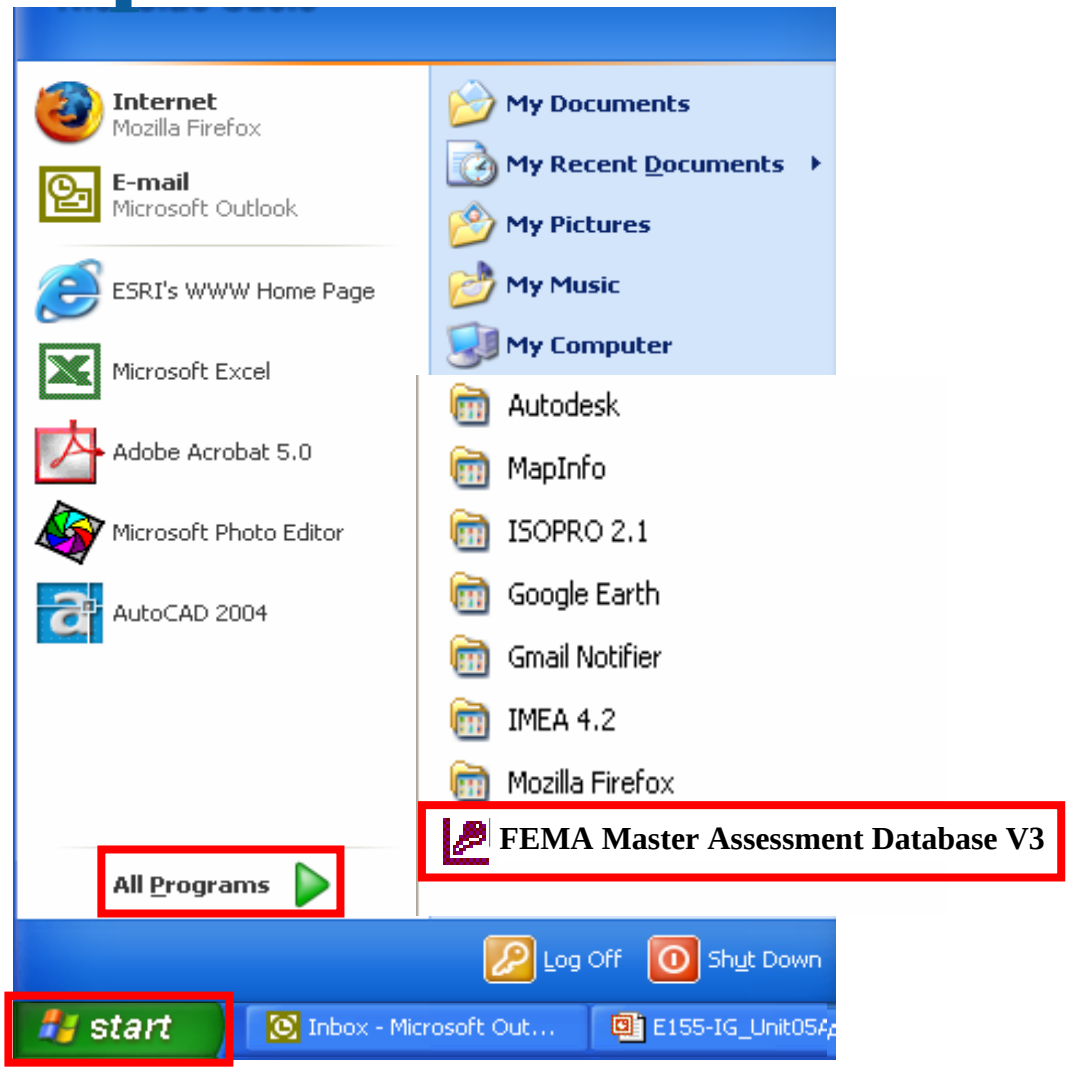
Open Database



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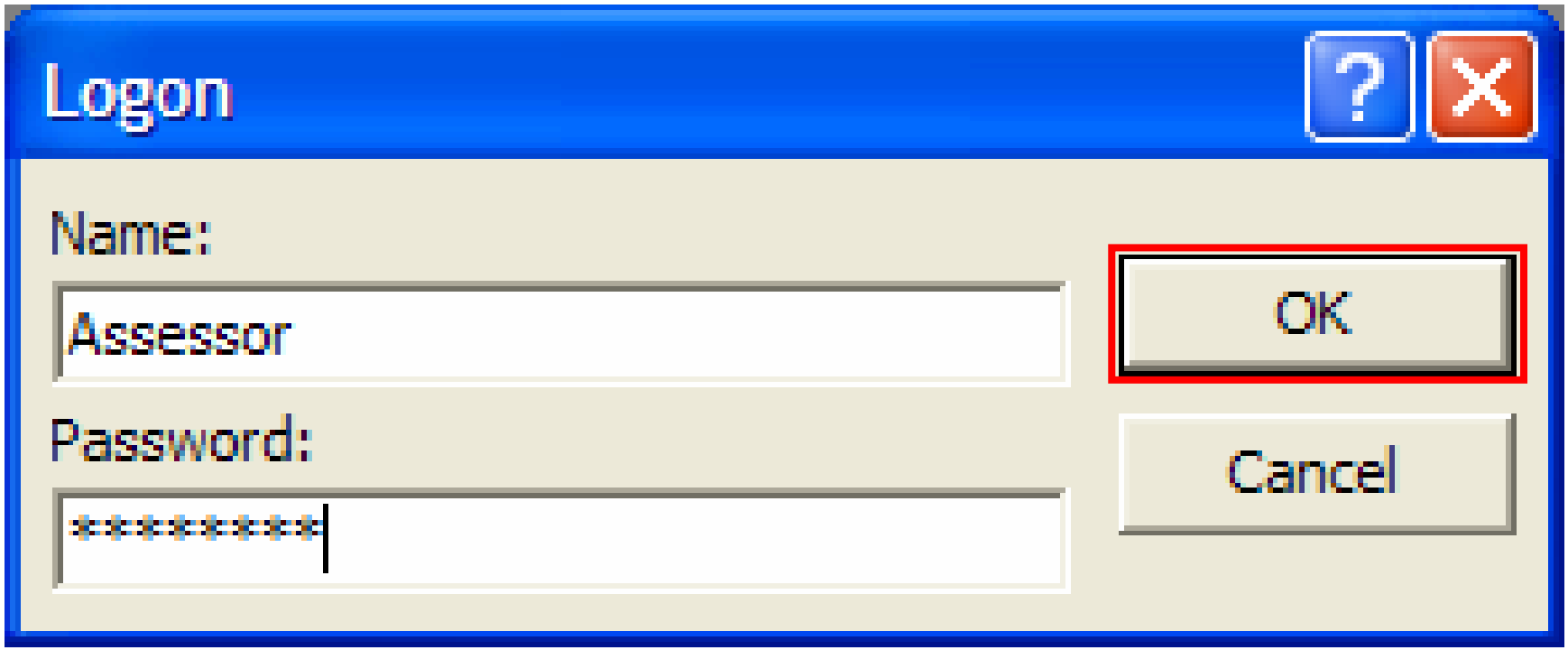
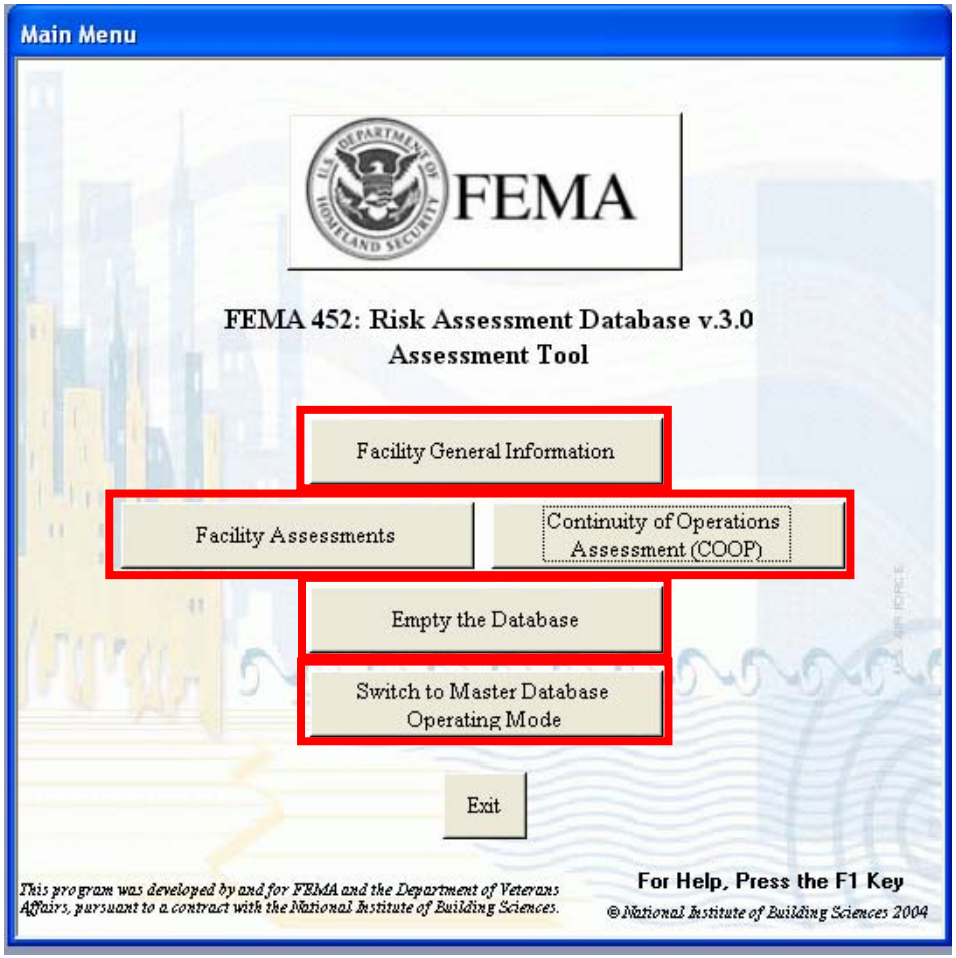
Login to Database



Assessment Operating Mode



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

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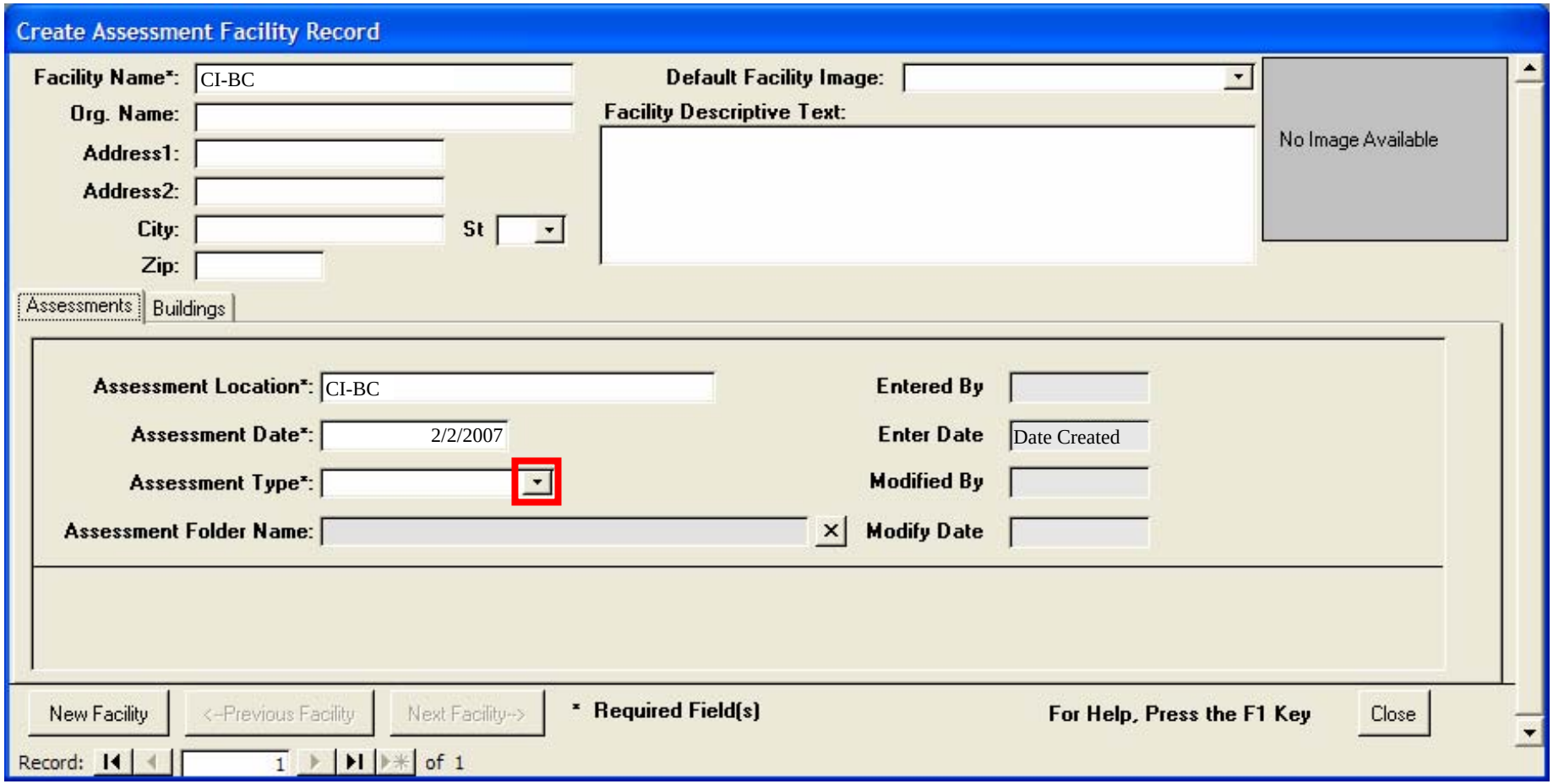
Facility Information



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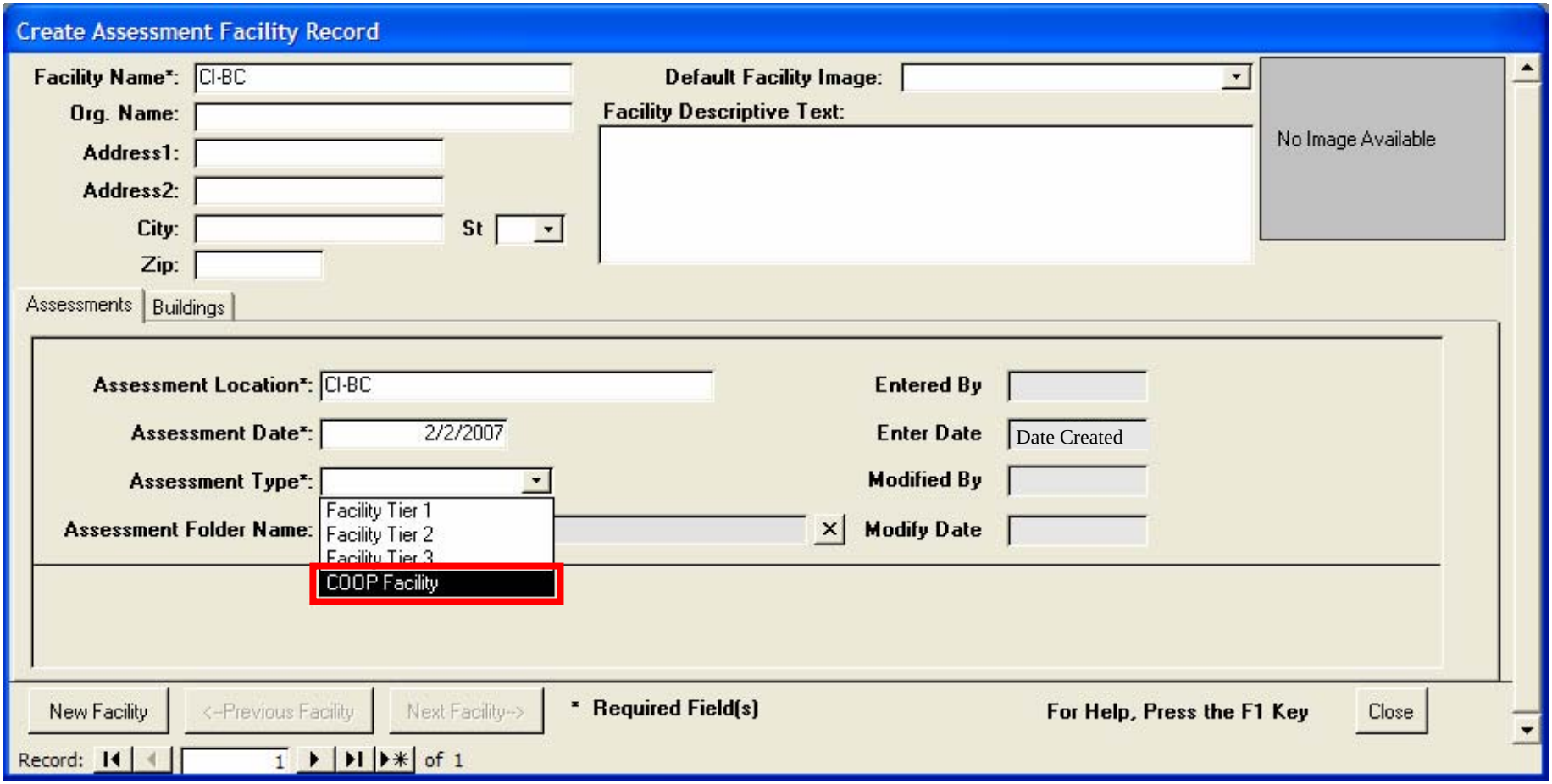

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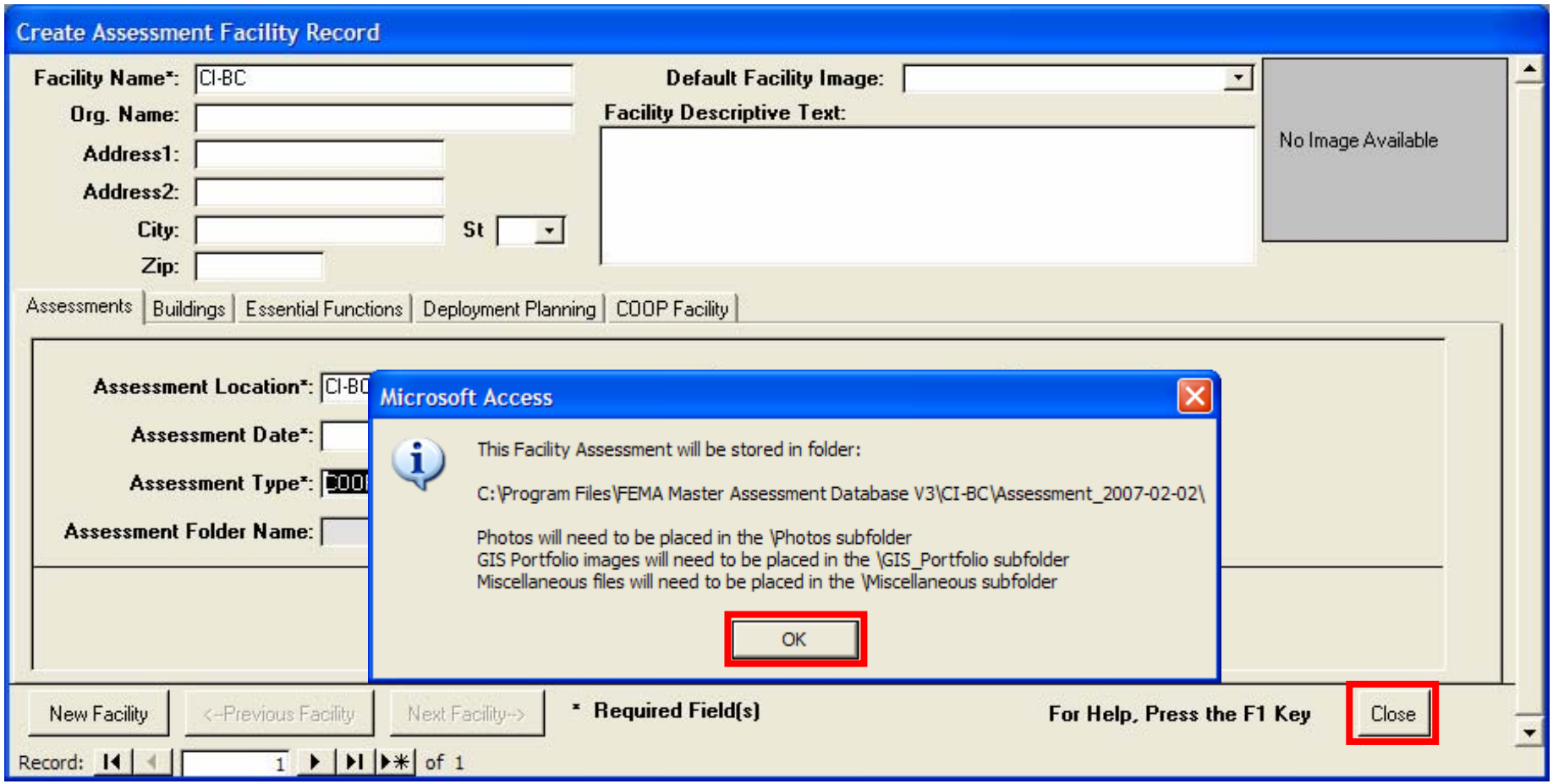

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Facility Information

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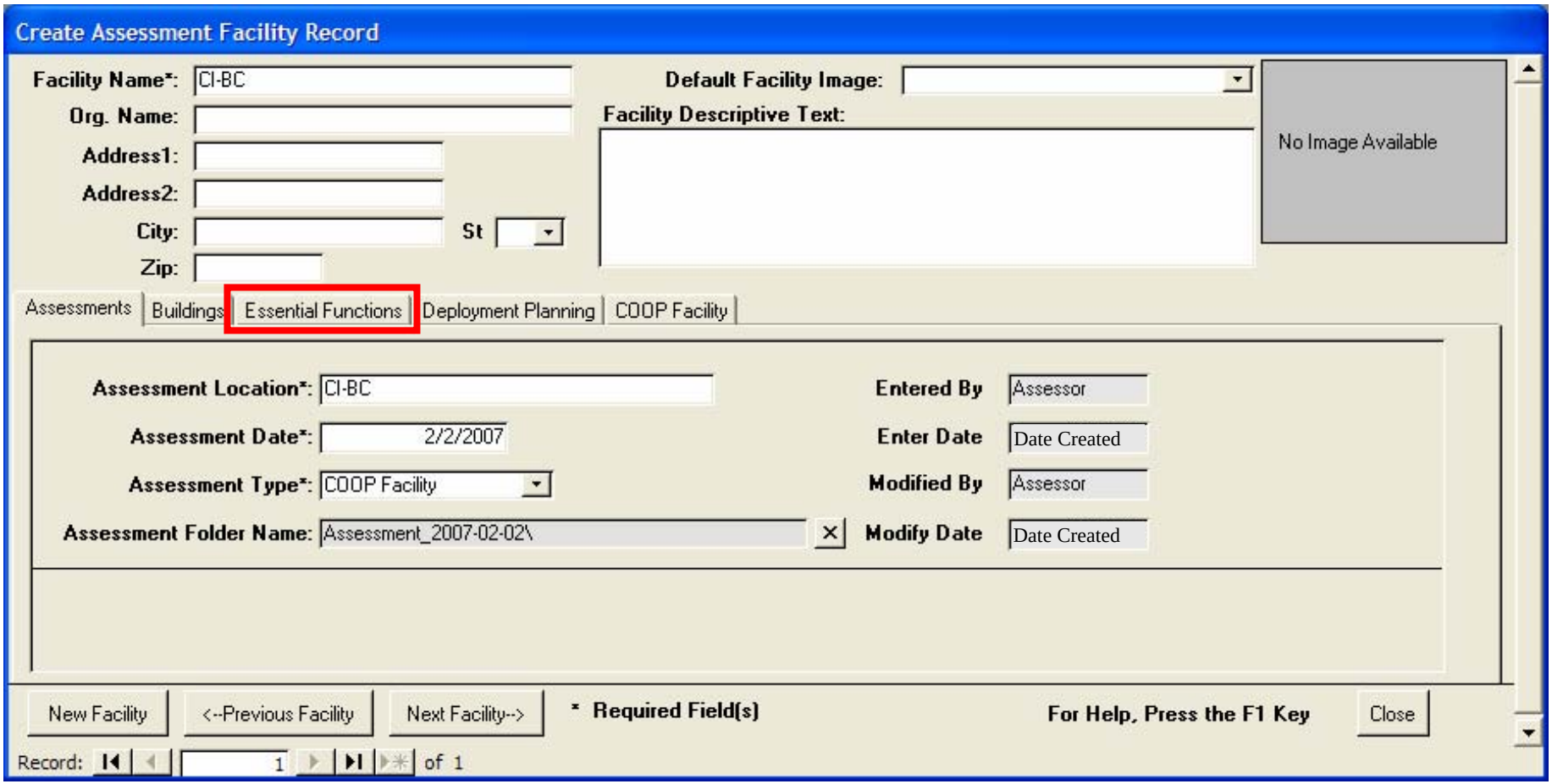
Facility Information



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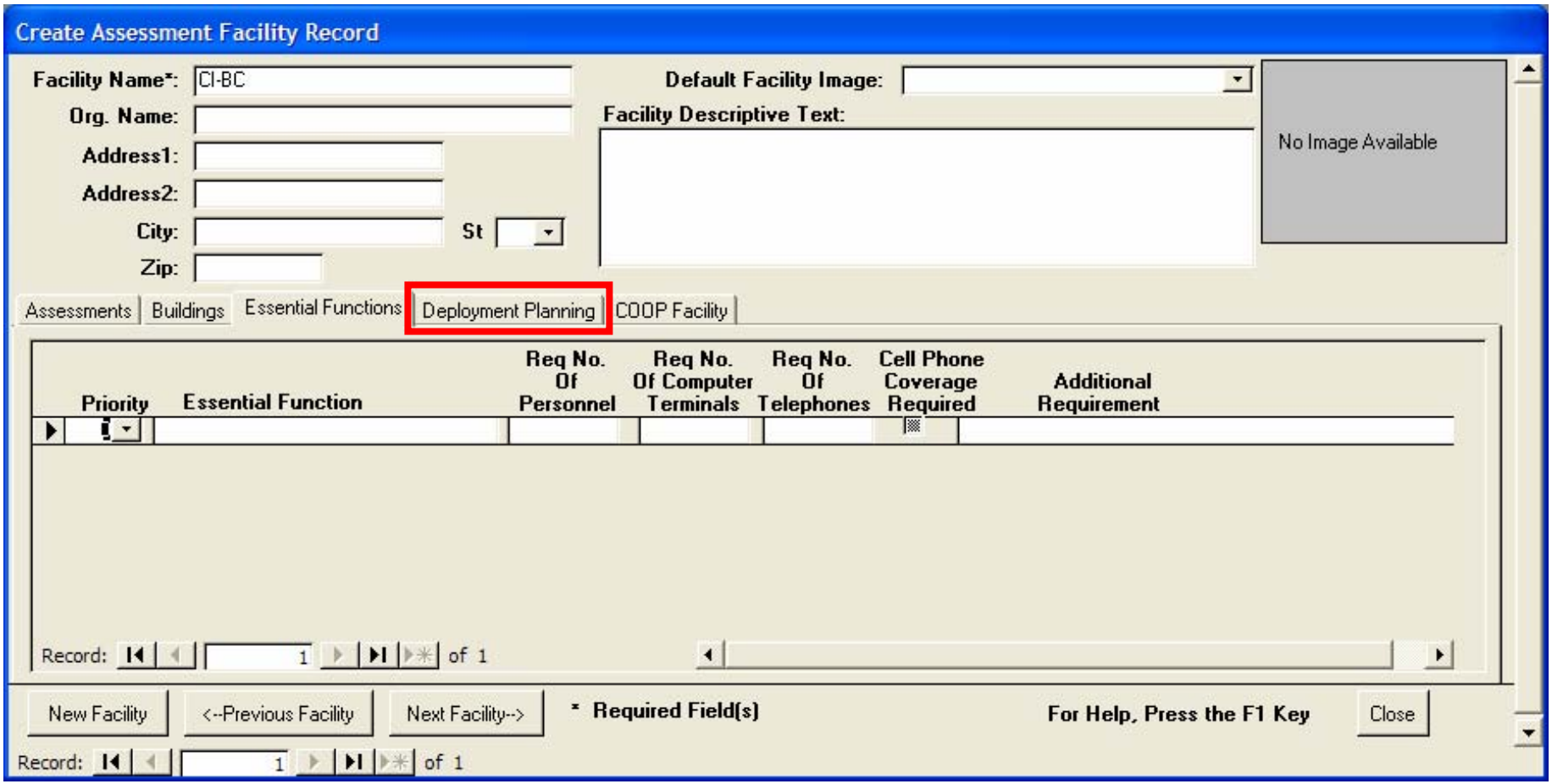

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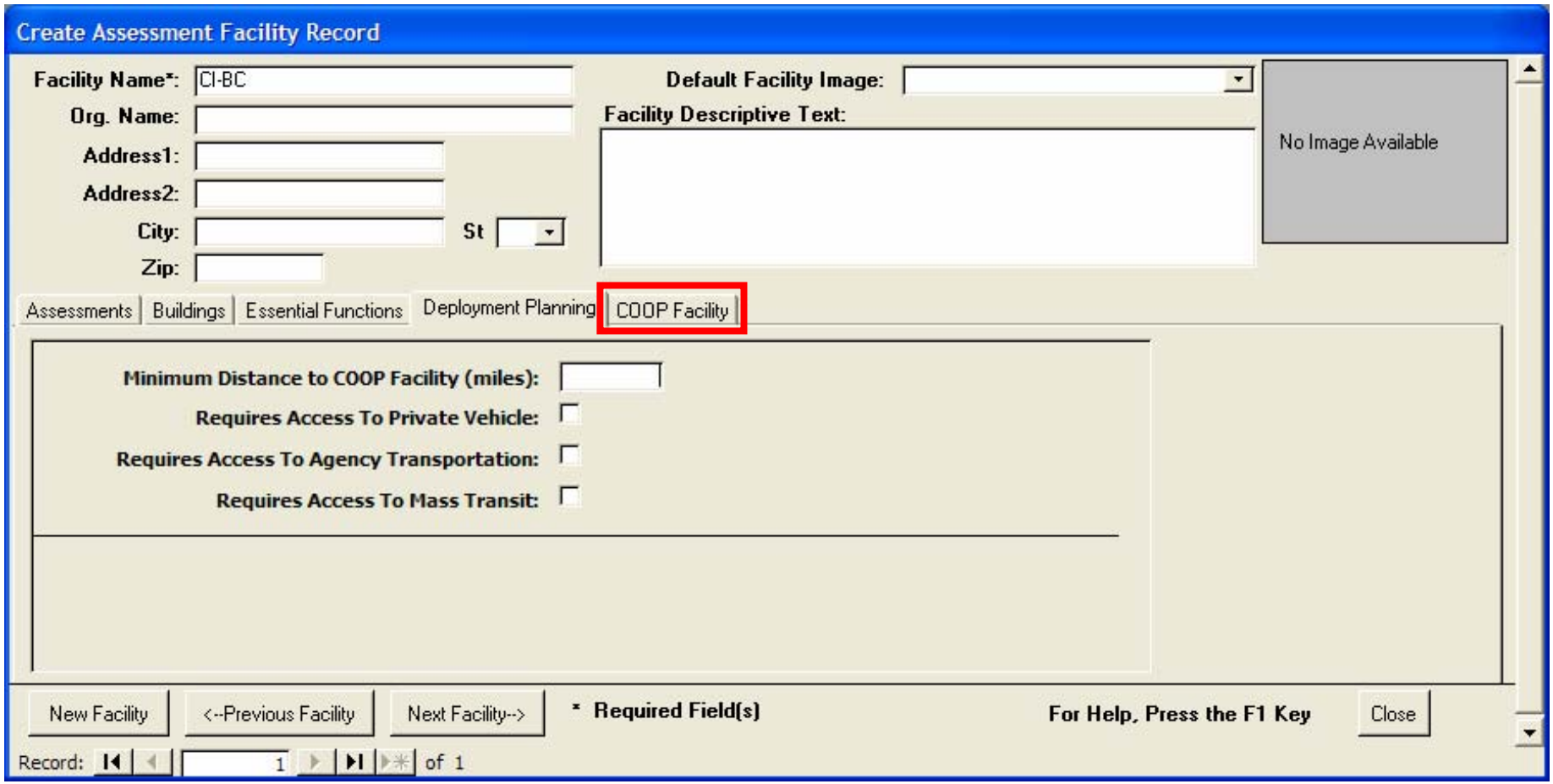

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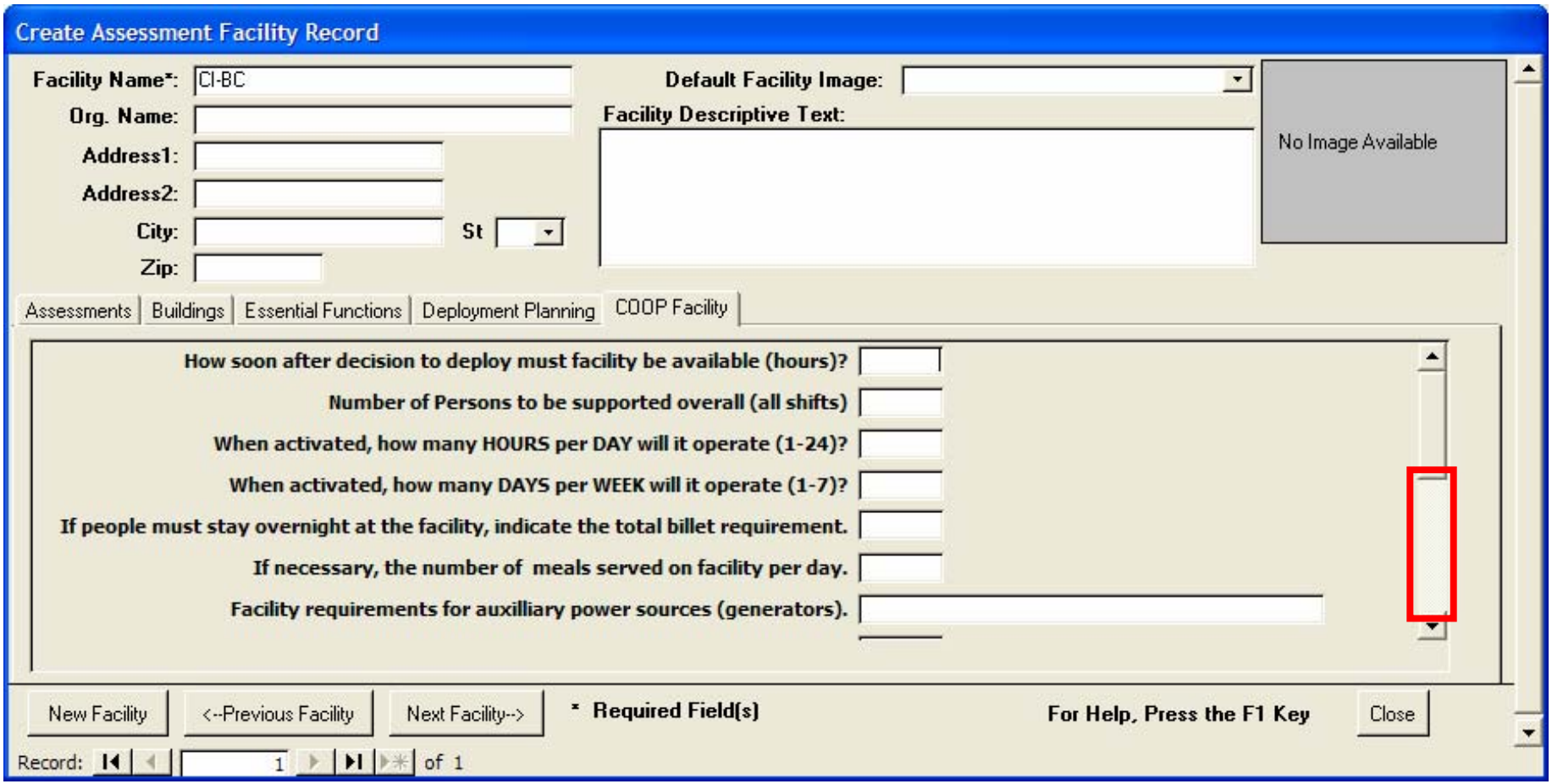

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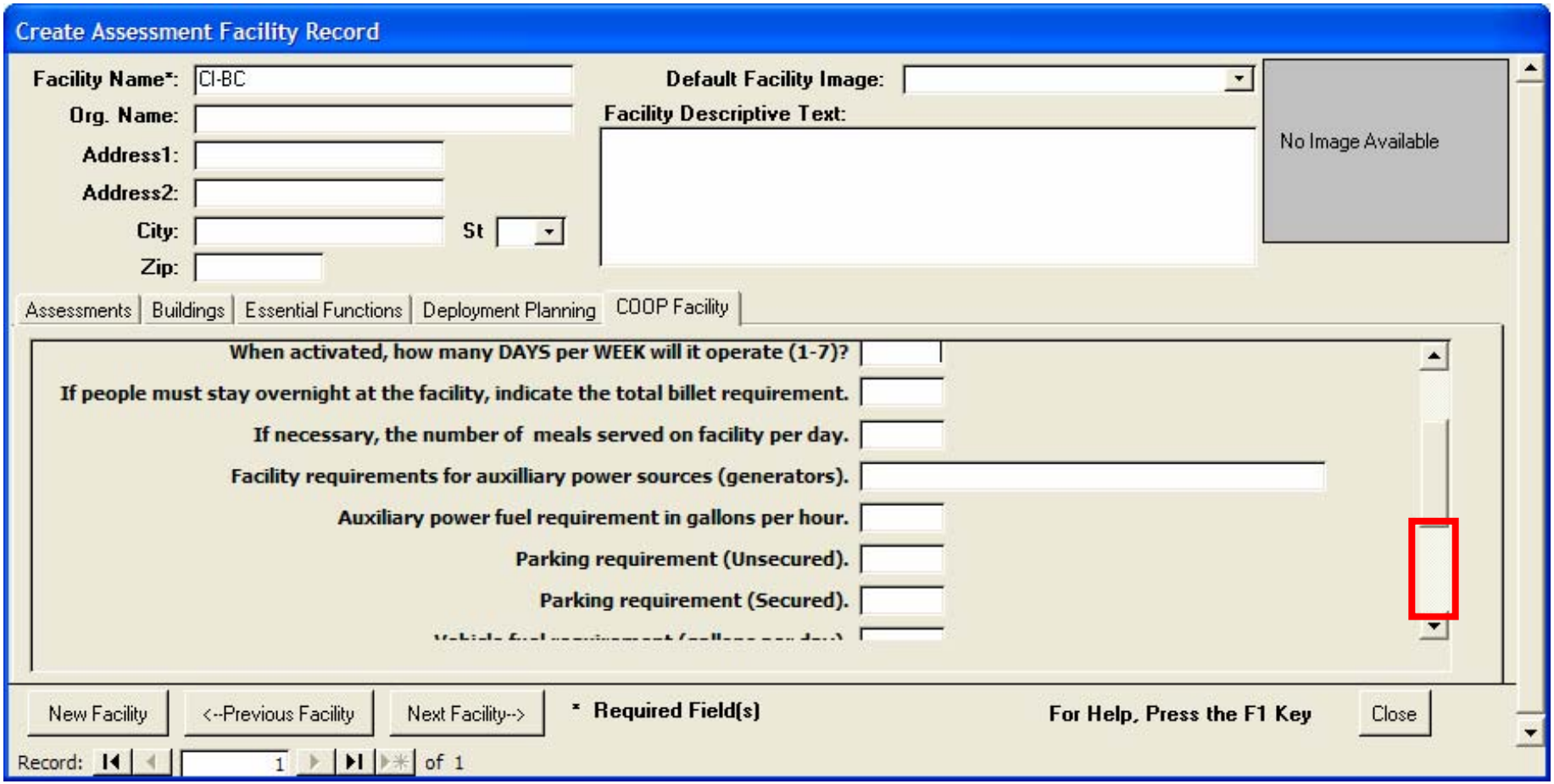

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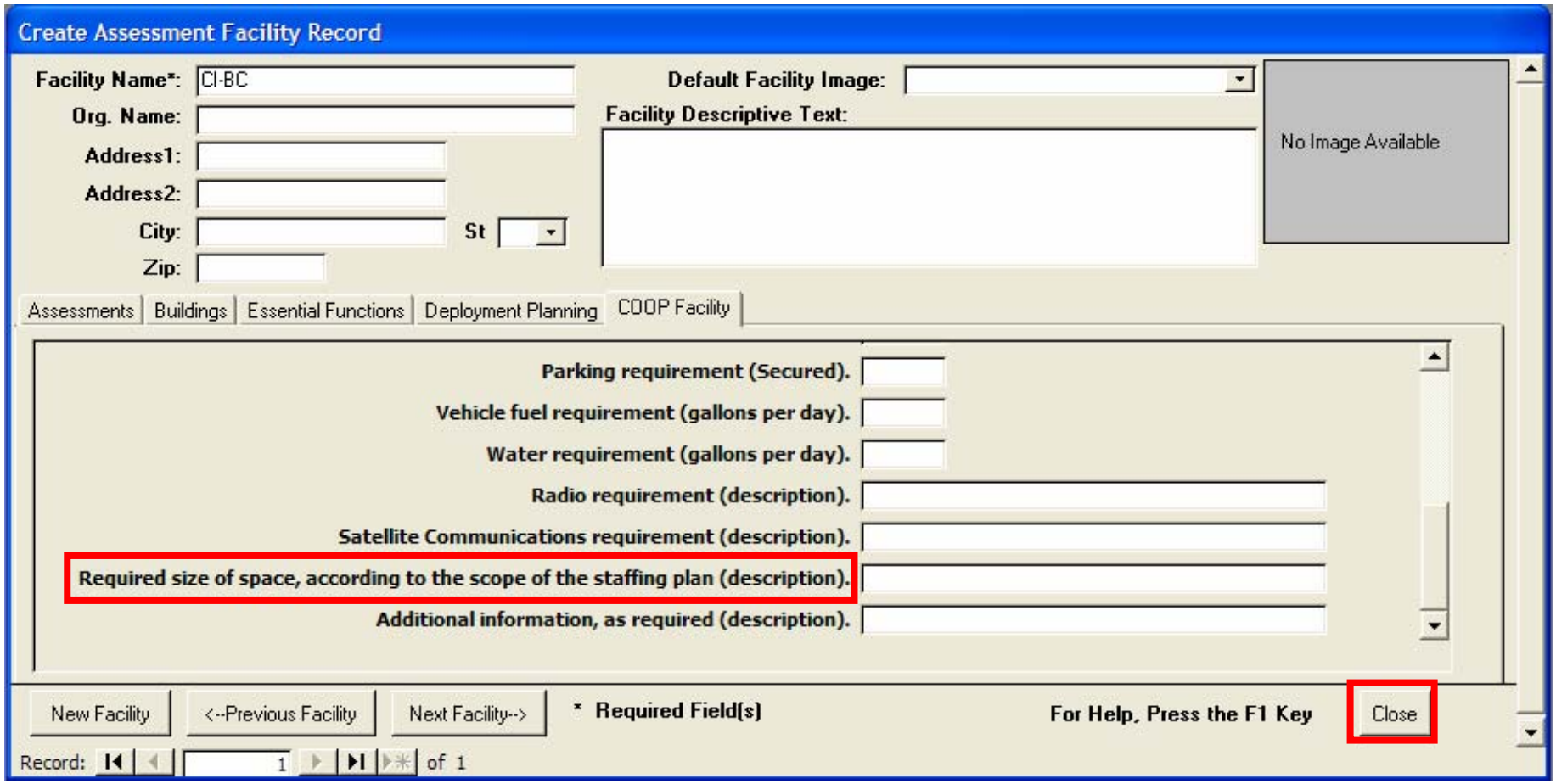

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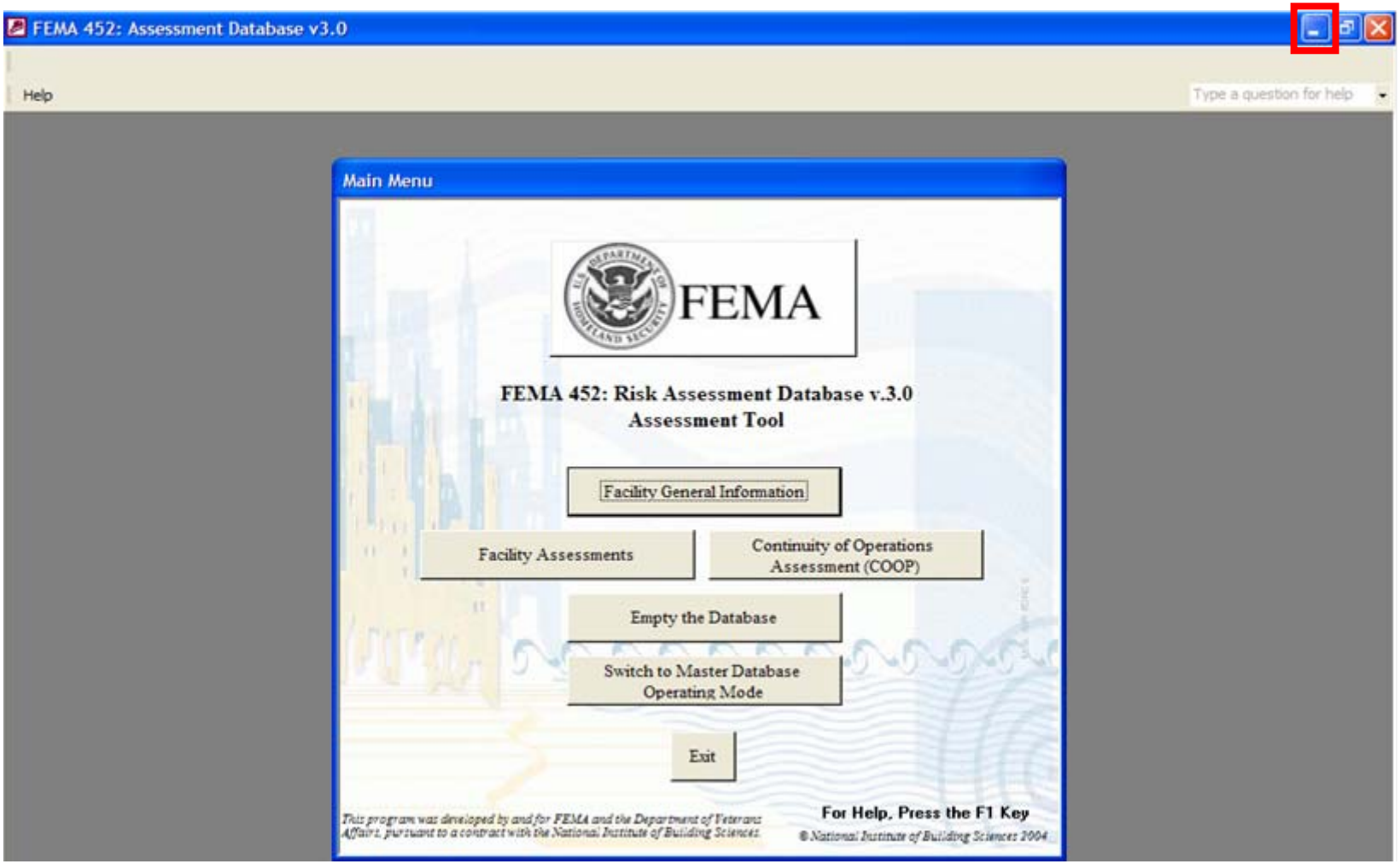

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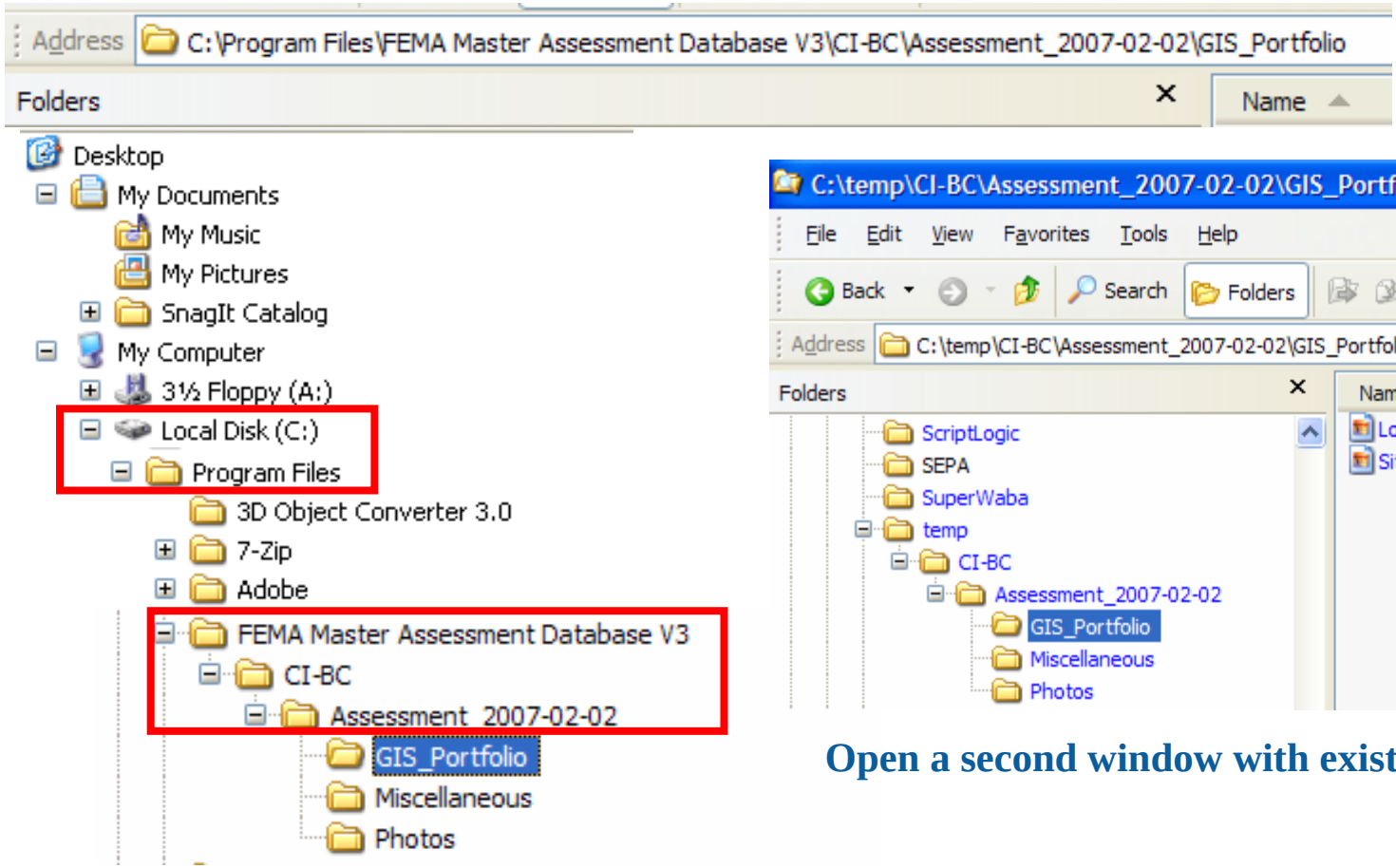

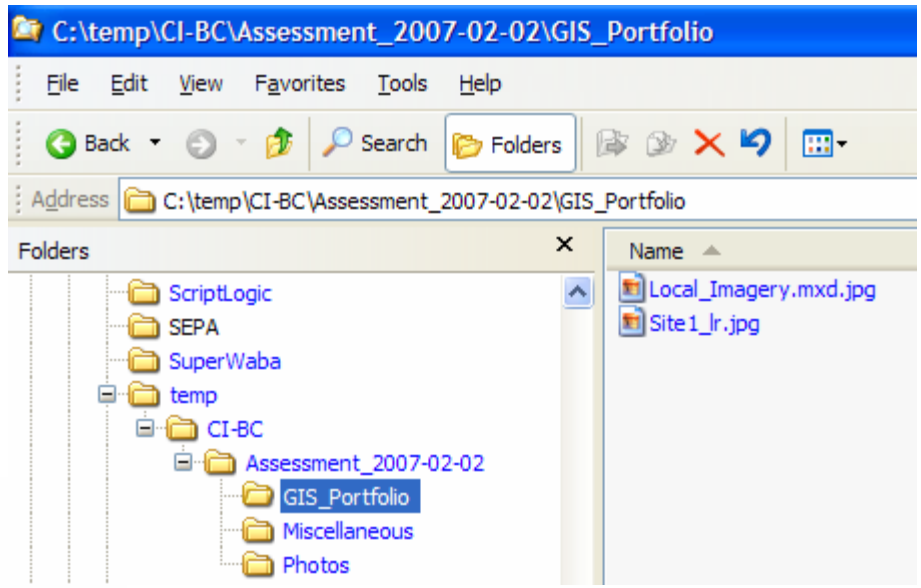

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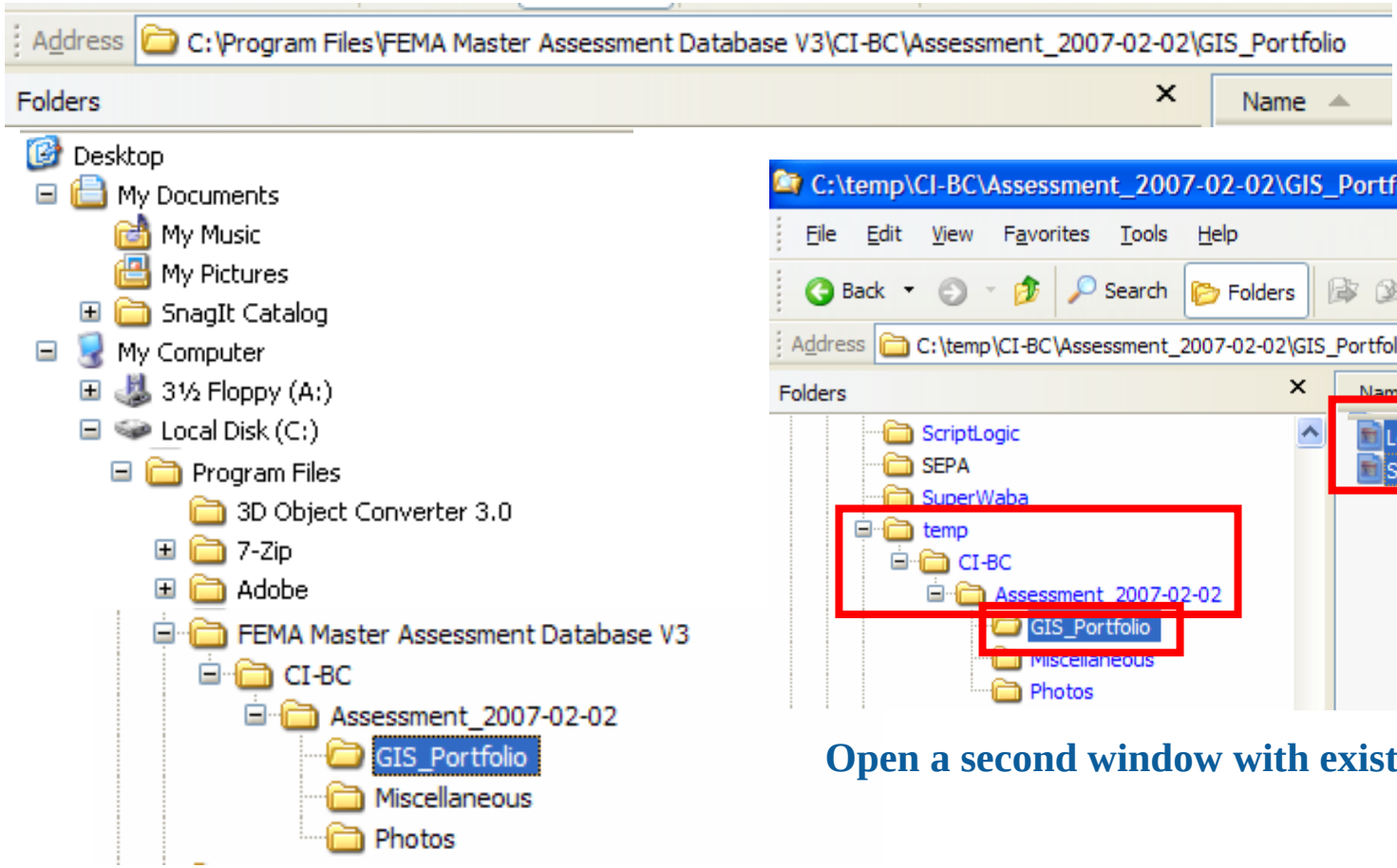

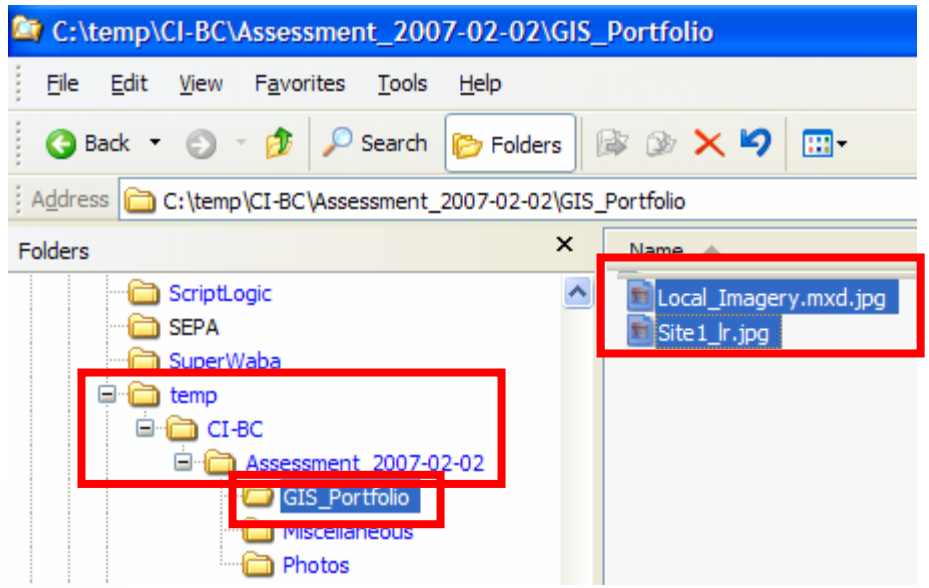

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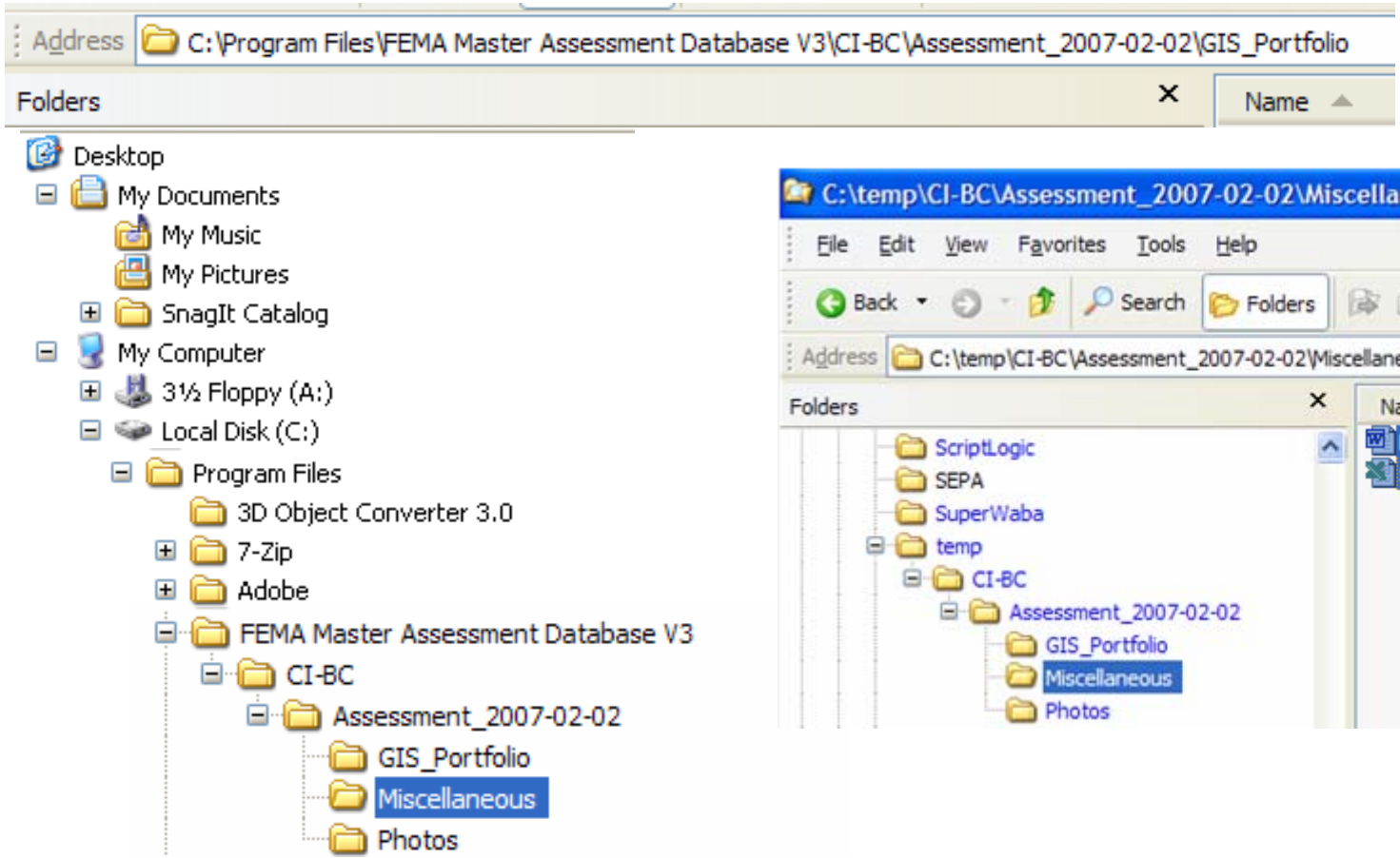

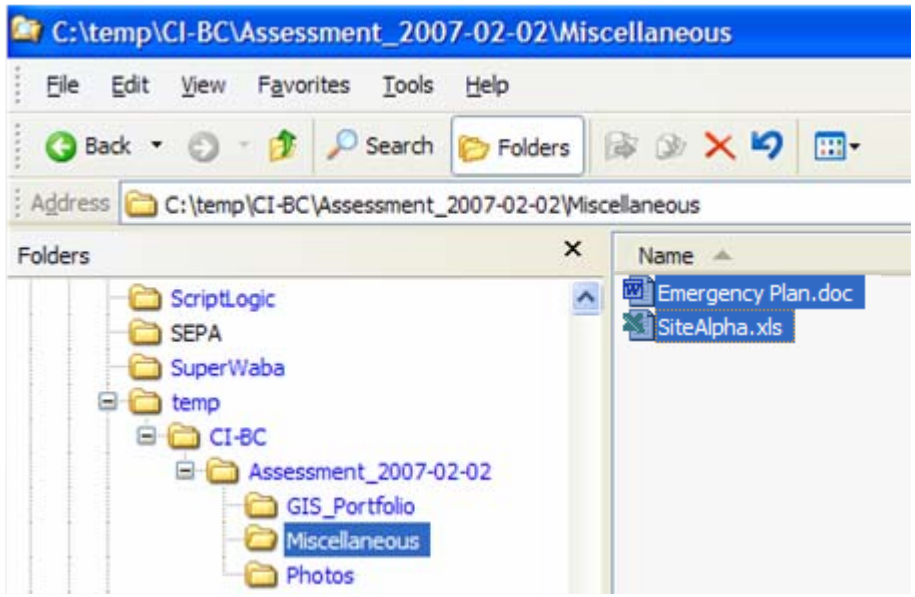

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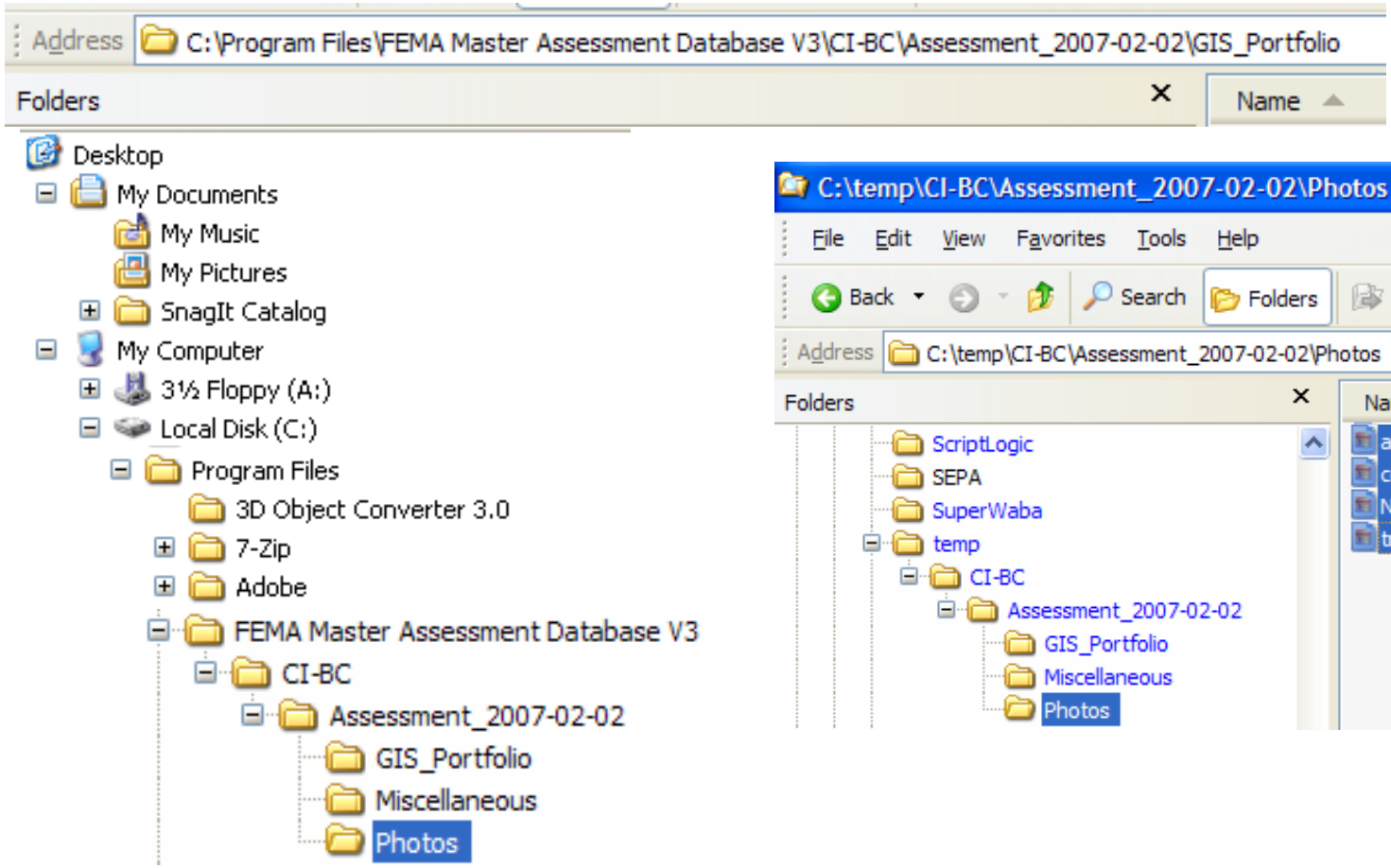

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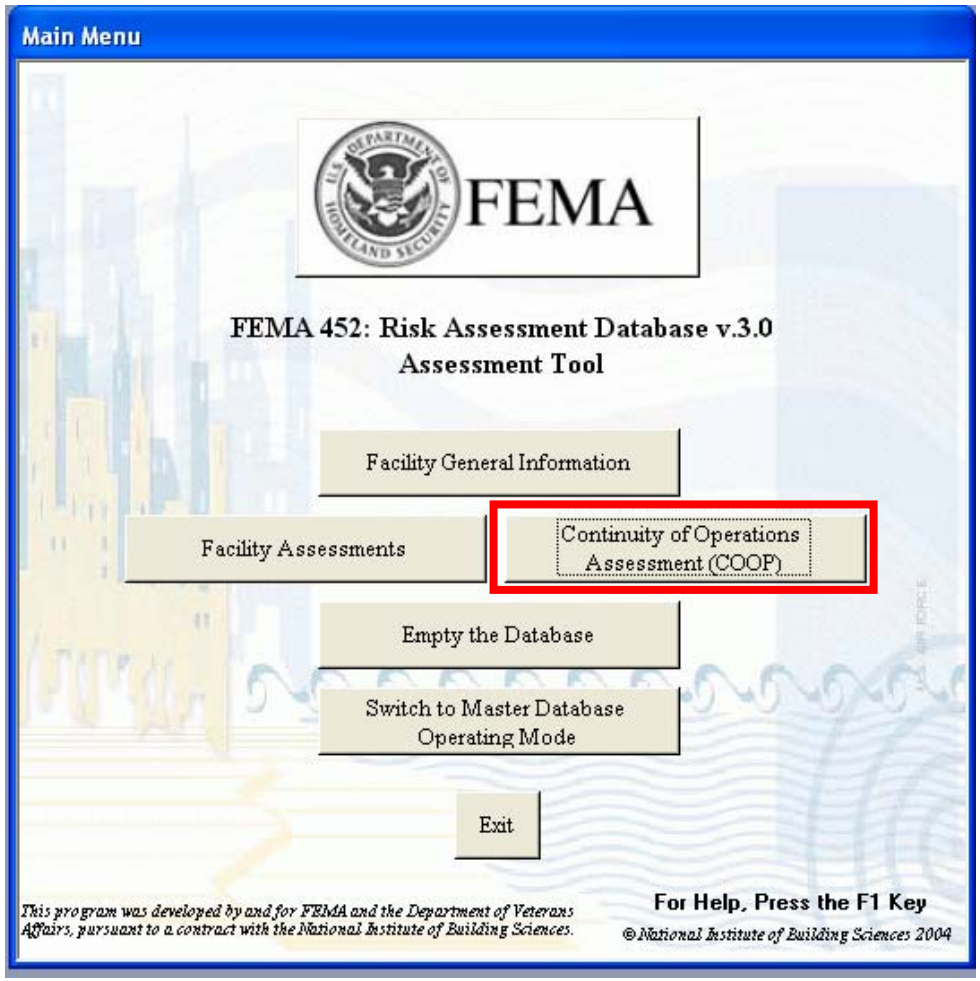
Assessment Tool

Restore from tray at bottom of screen



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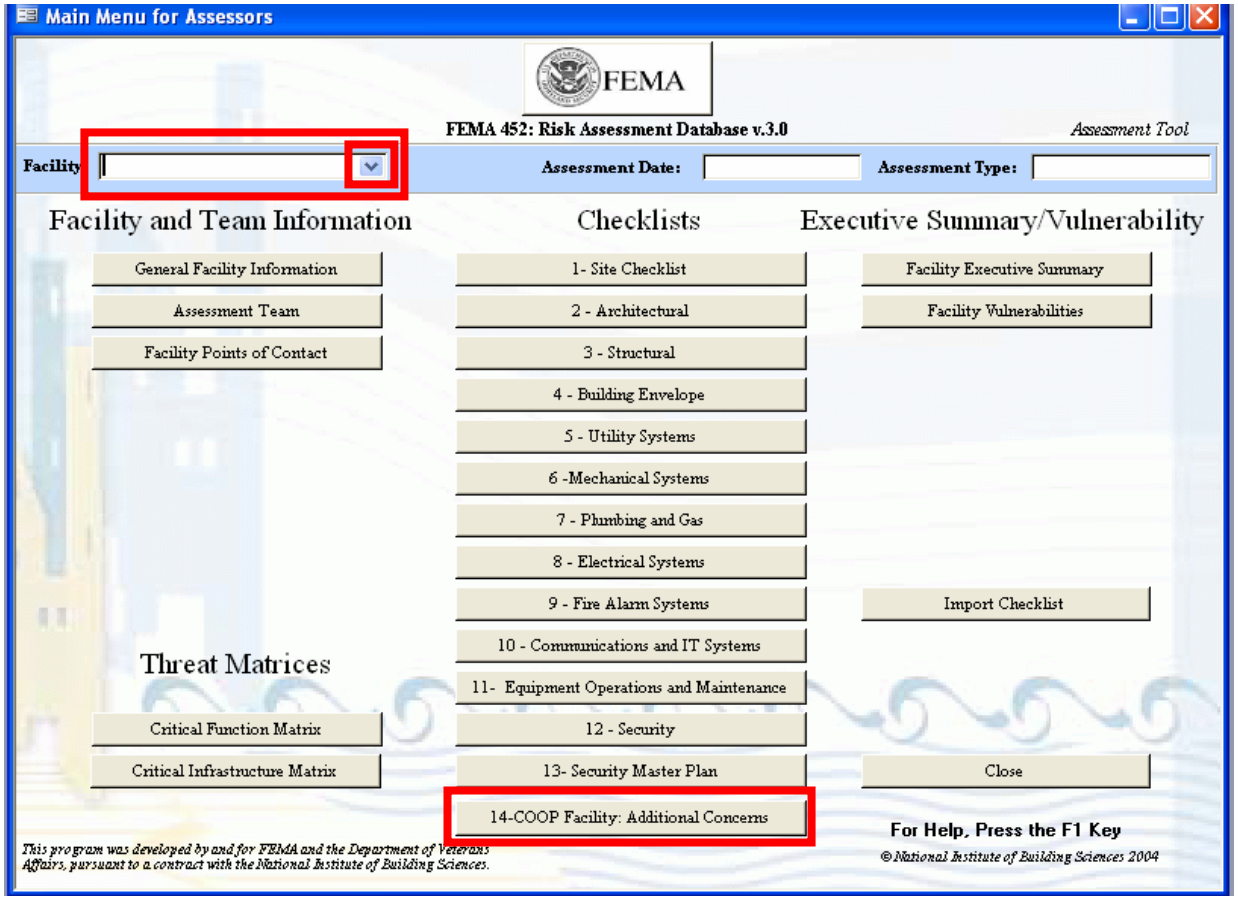

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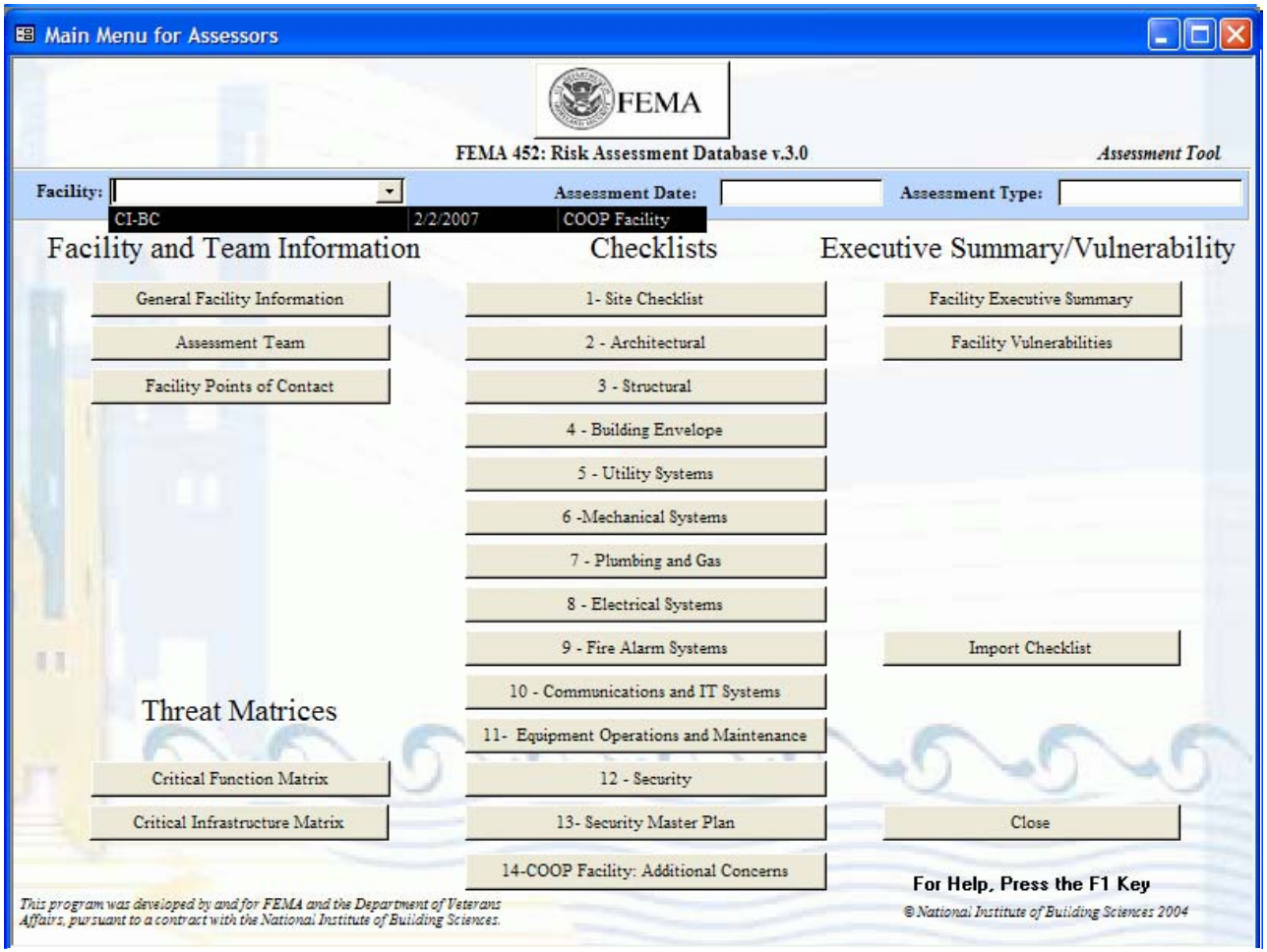

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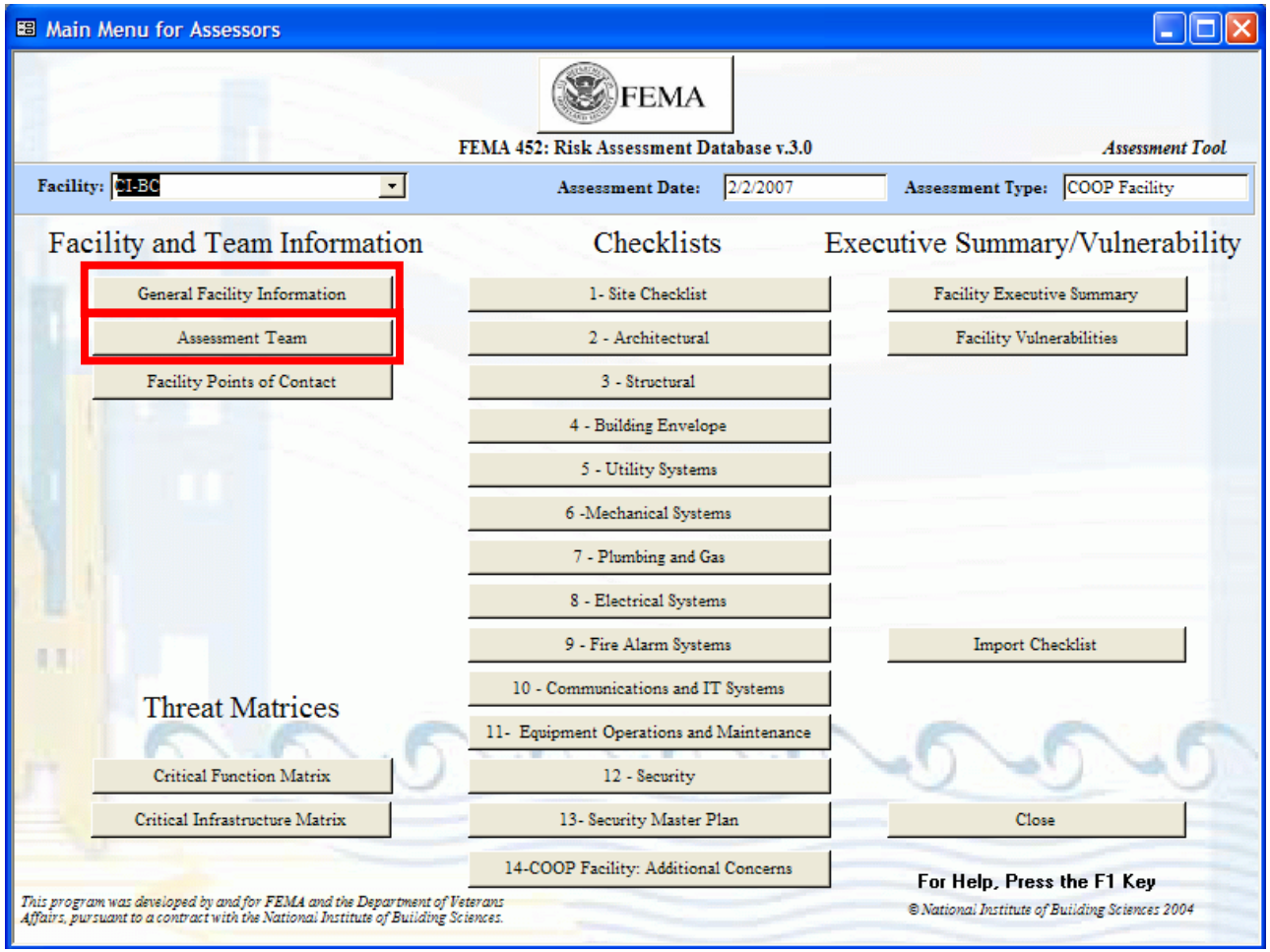

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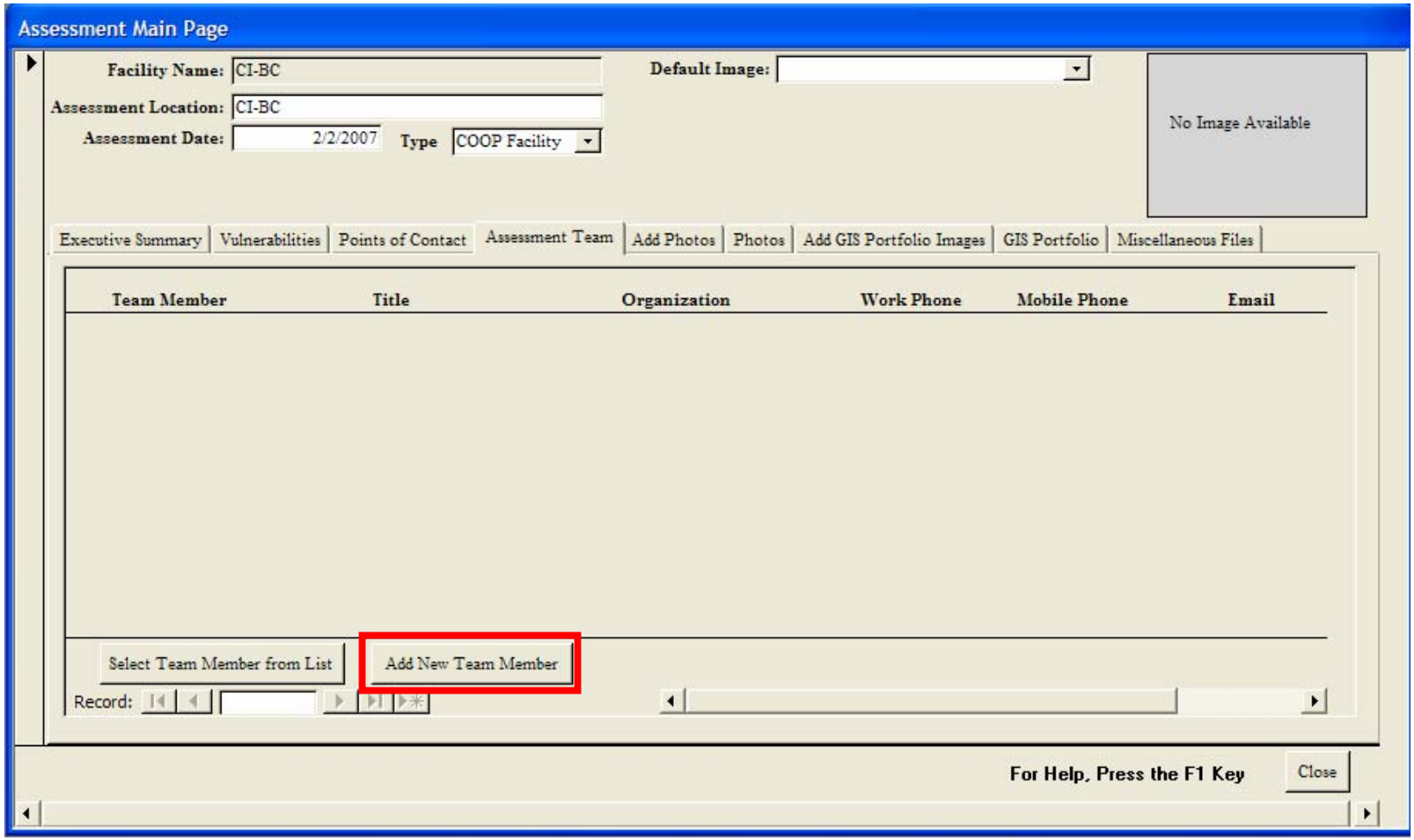
Add Team Members



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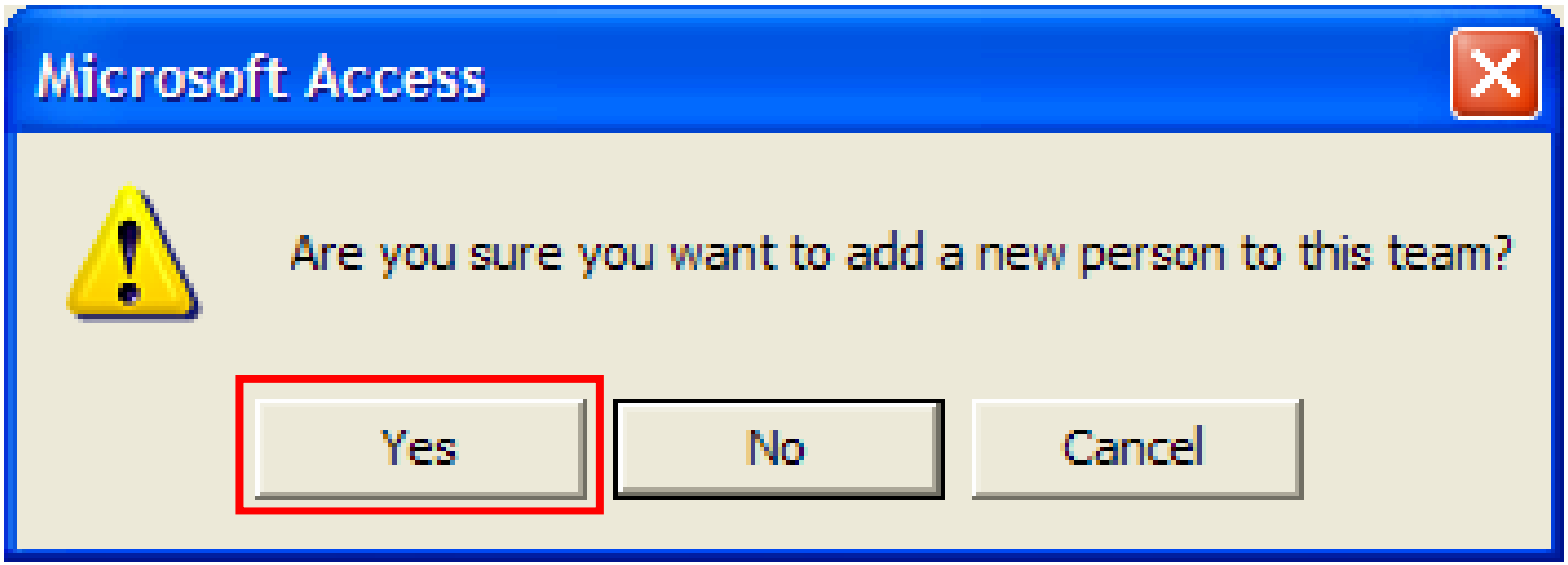

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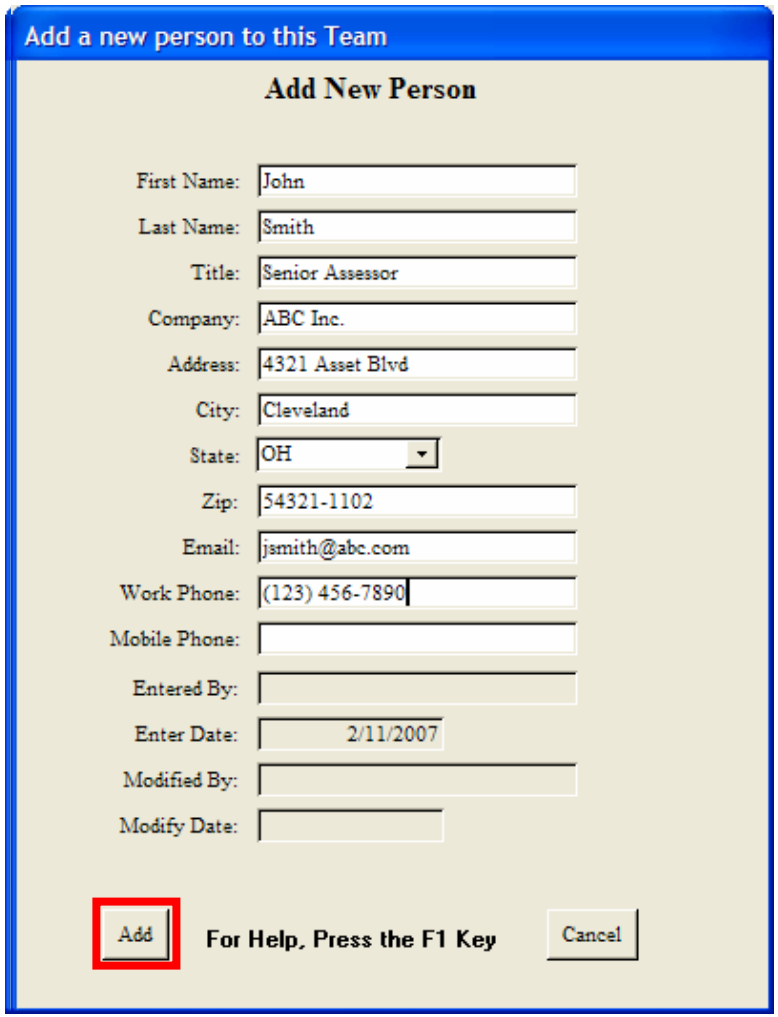

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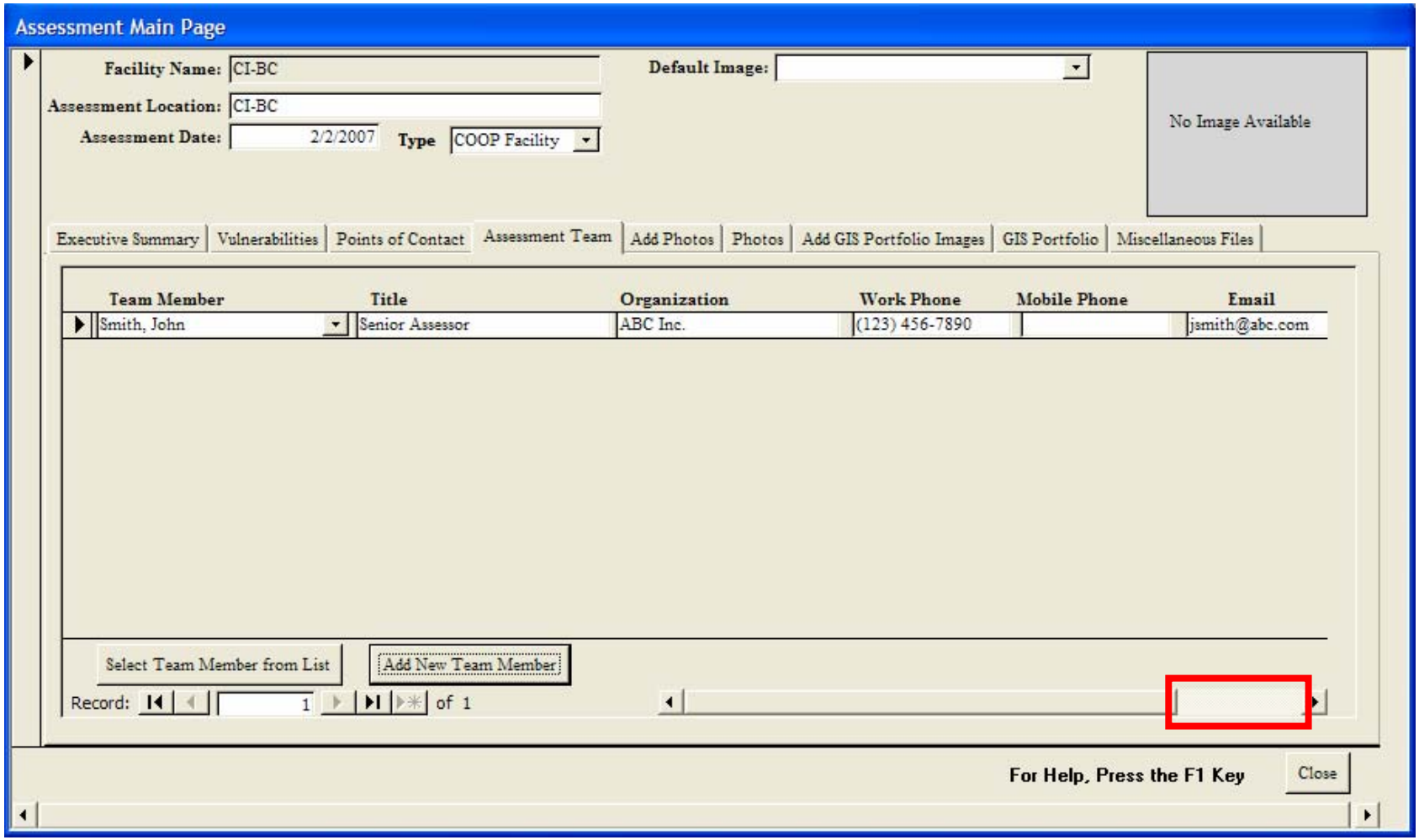

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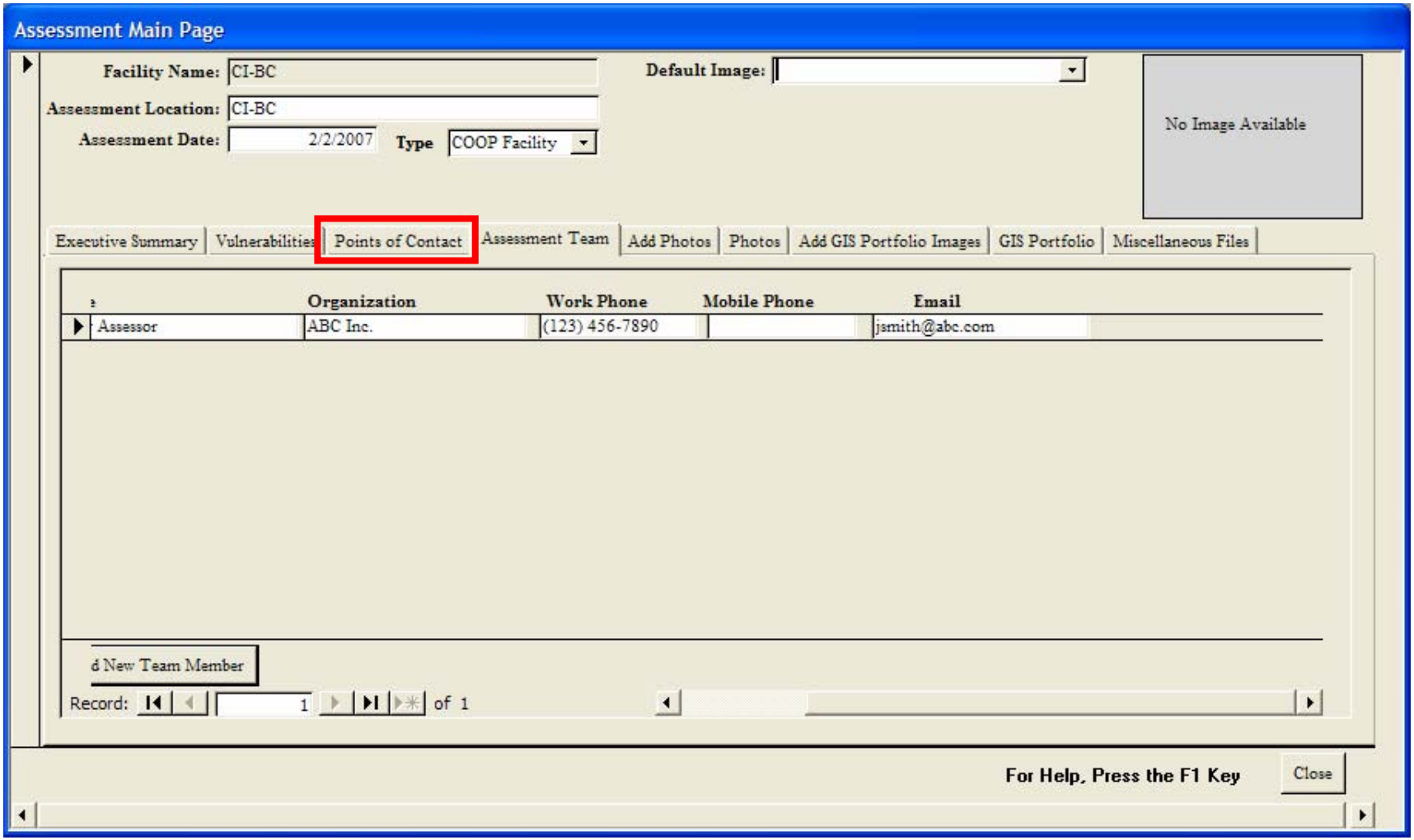

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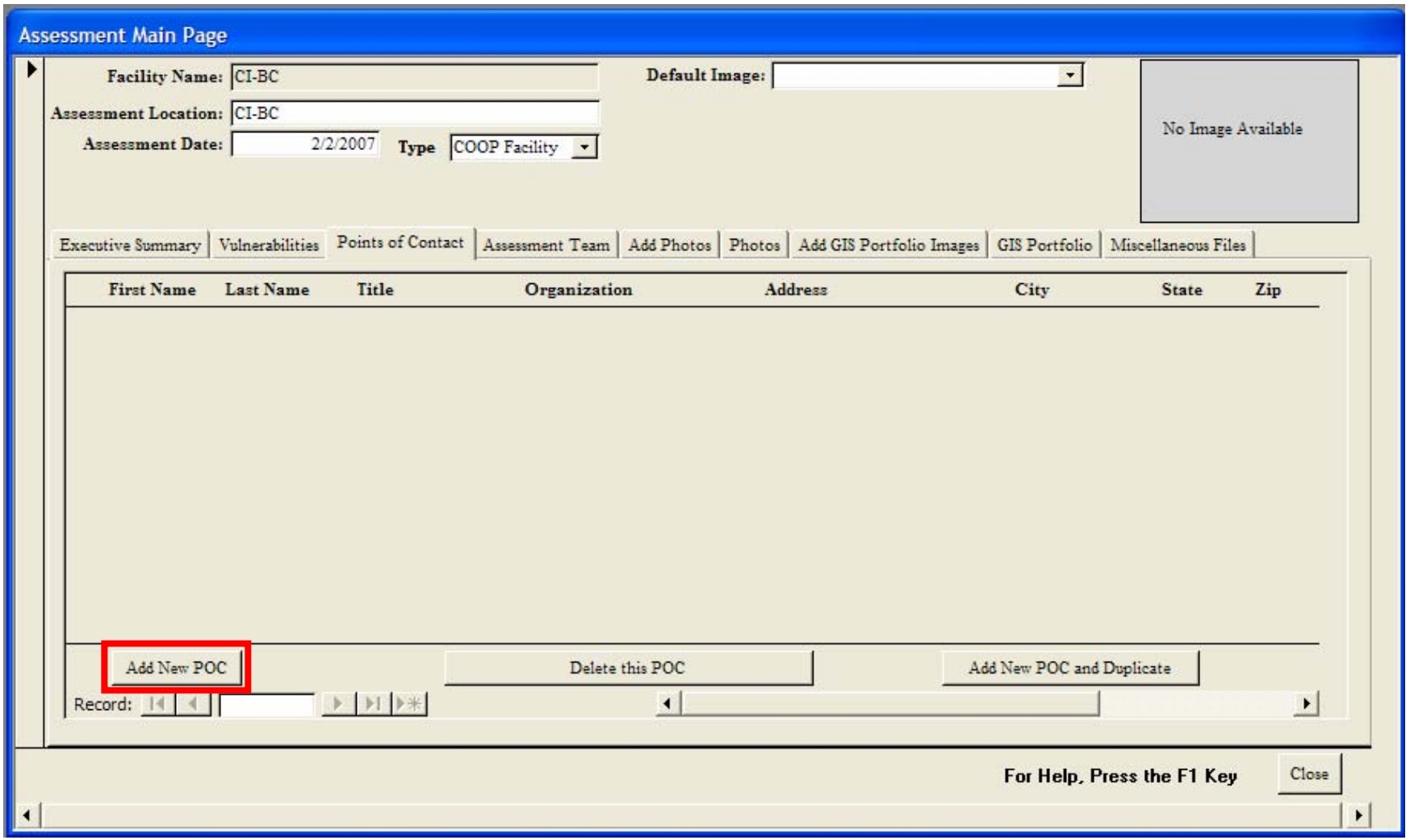
Add Point of Contact



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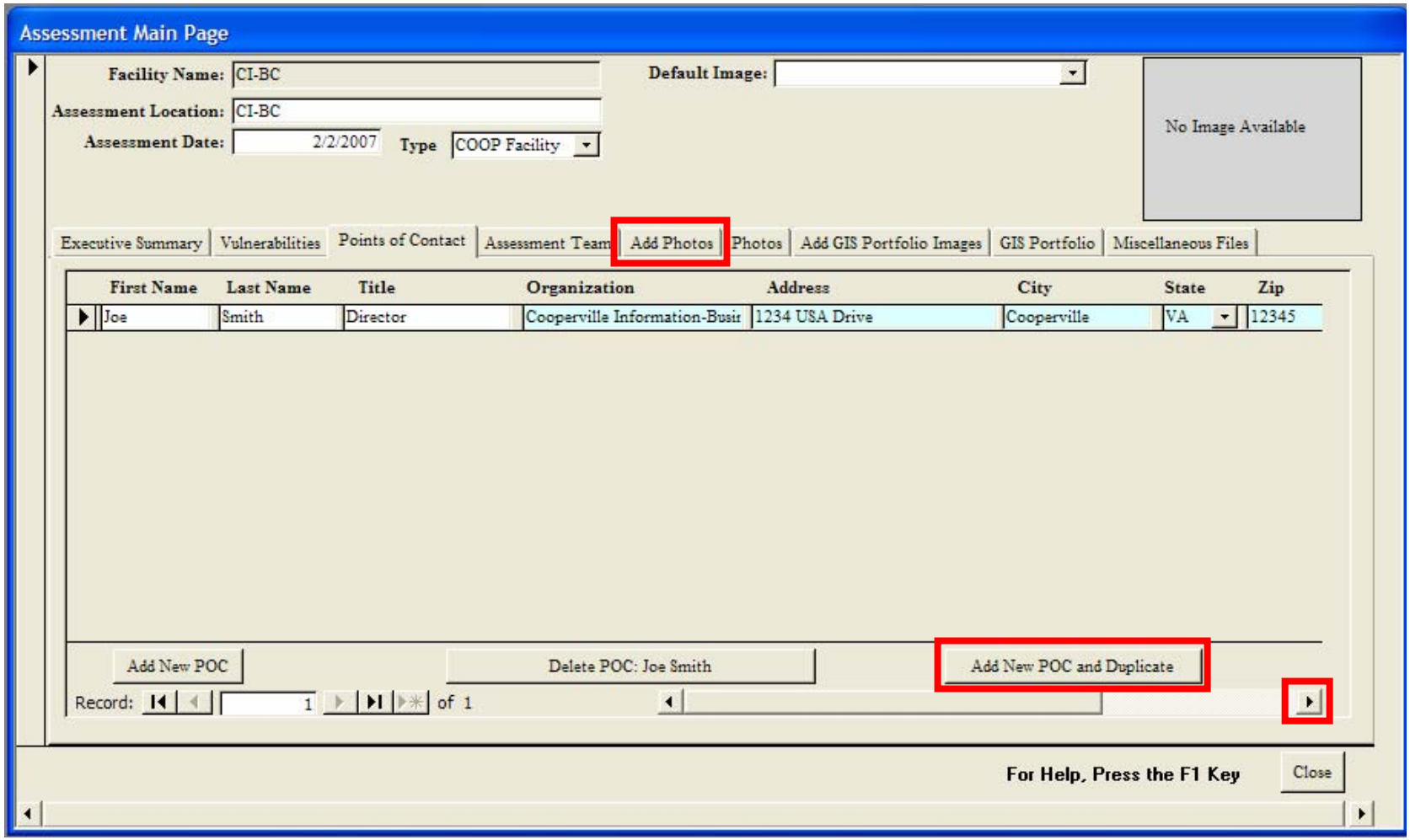

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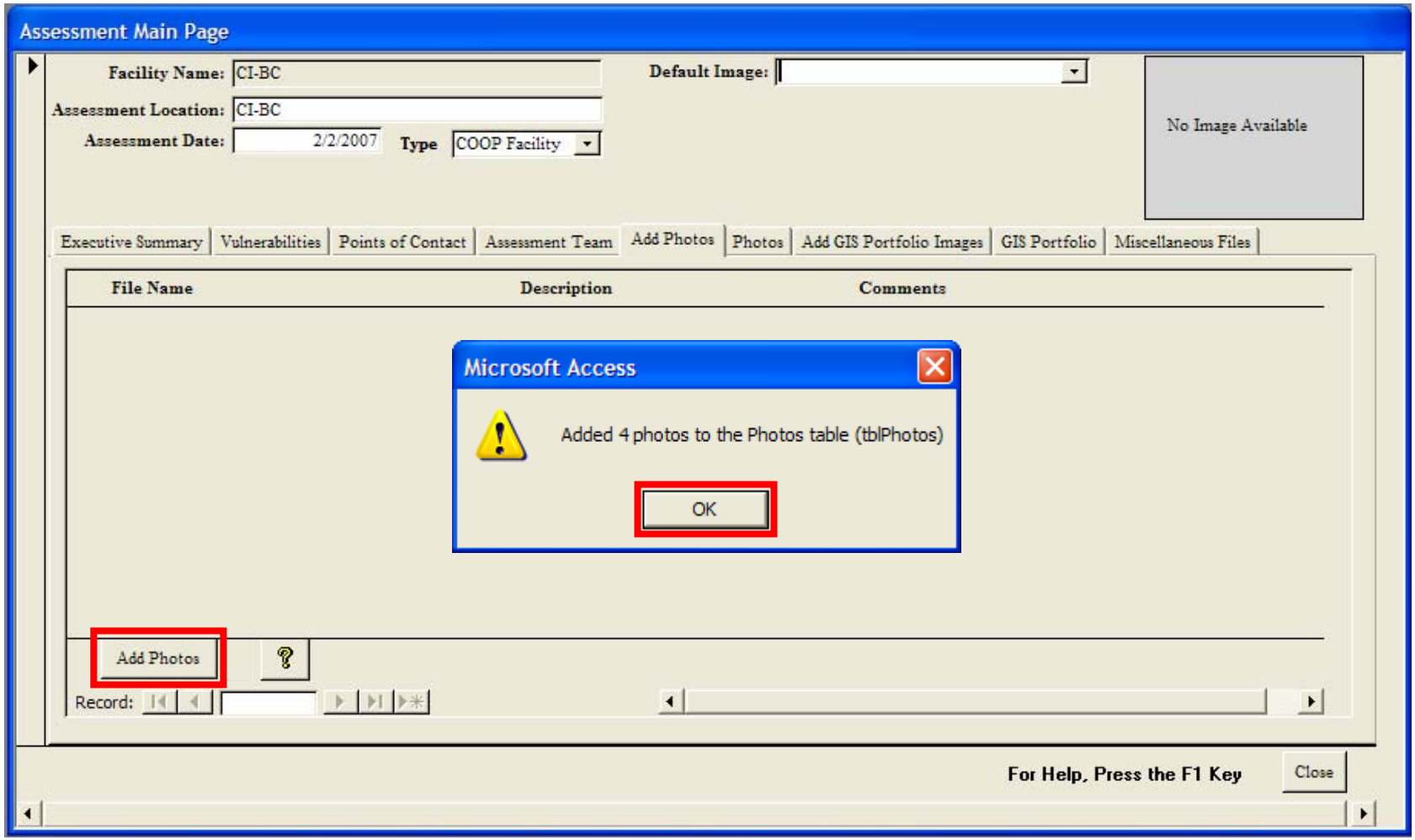
Add Photos



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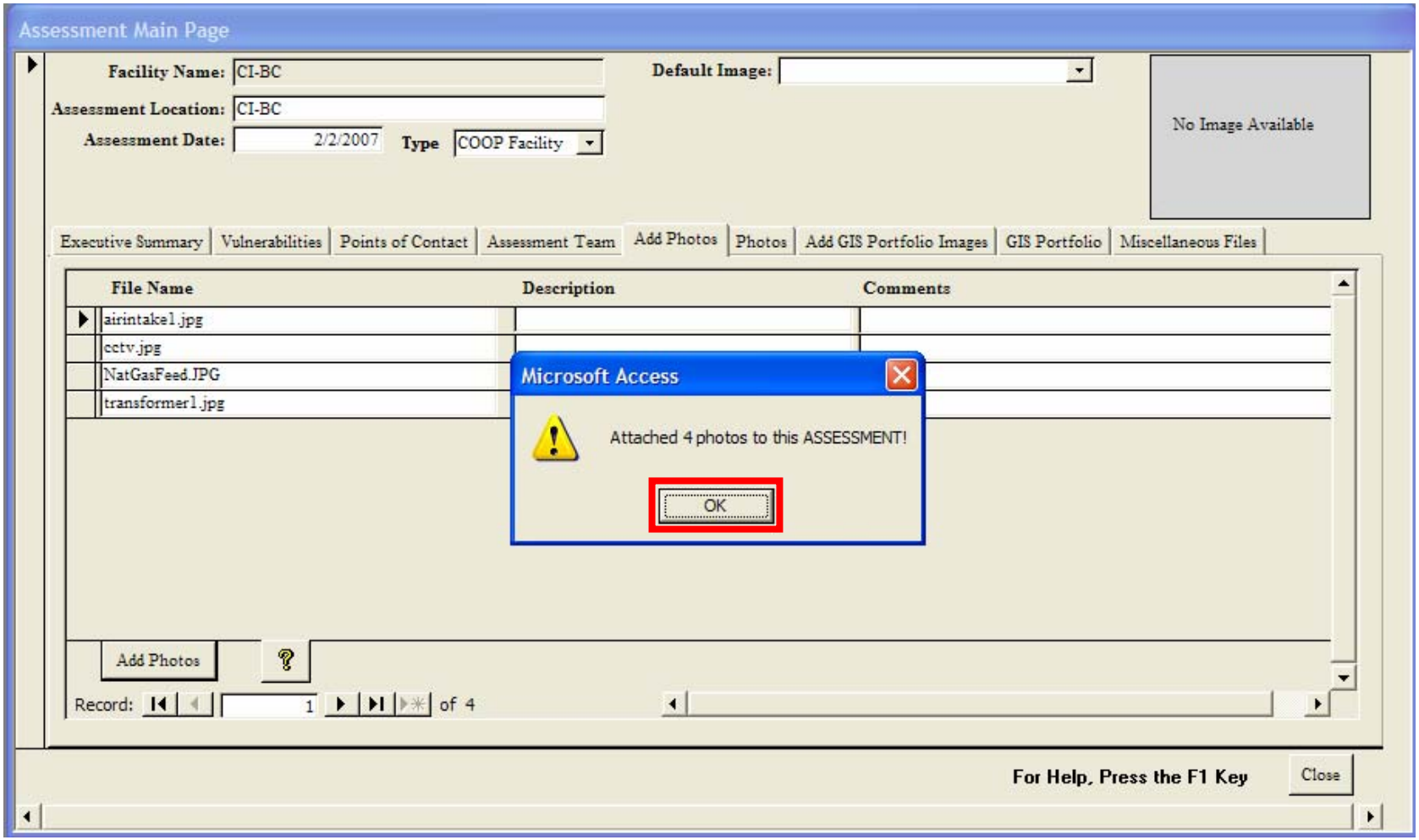

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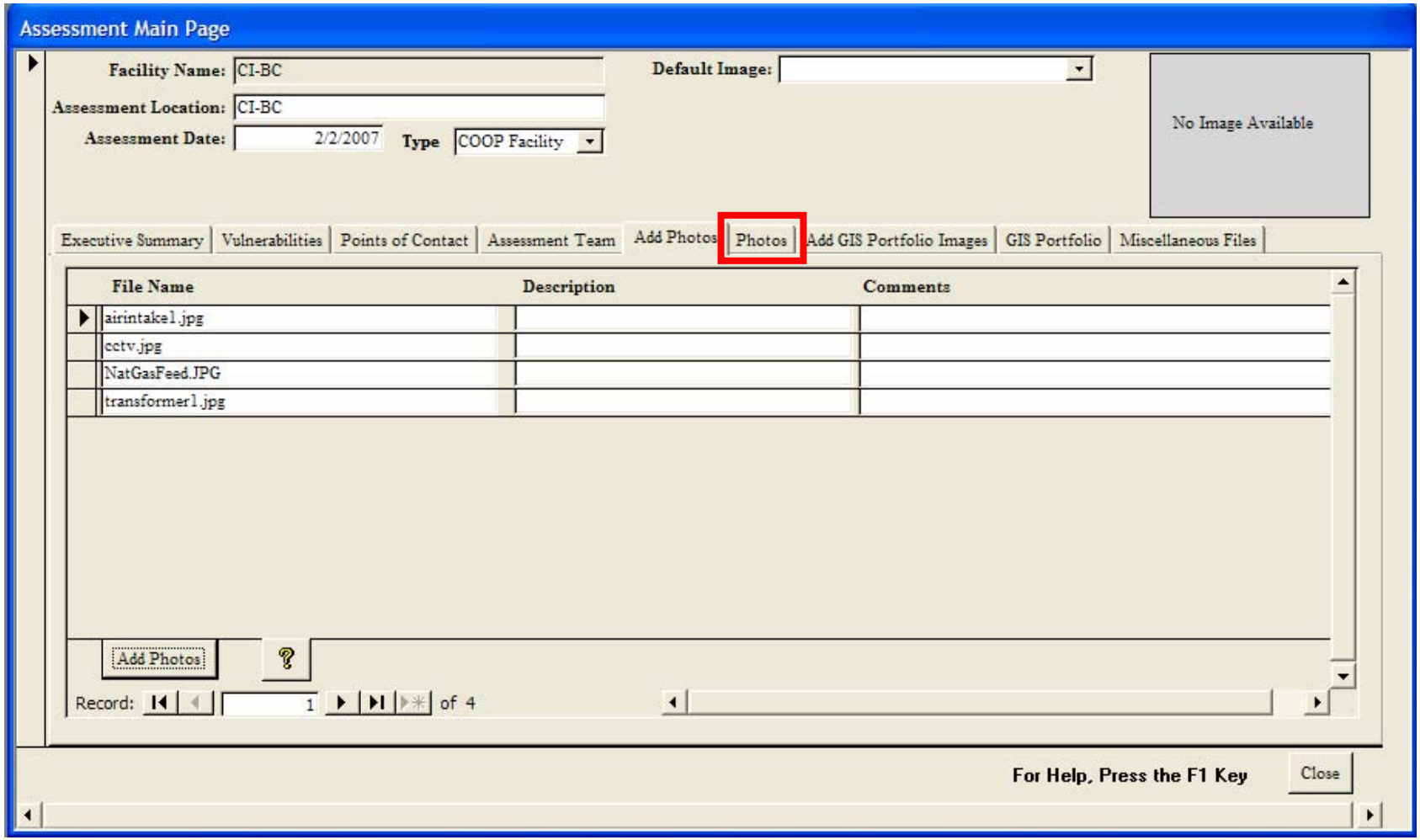

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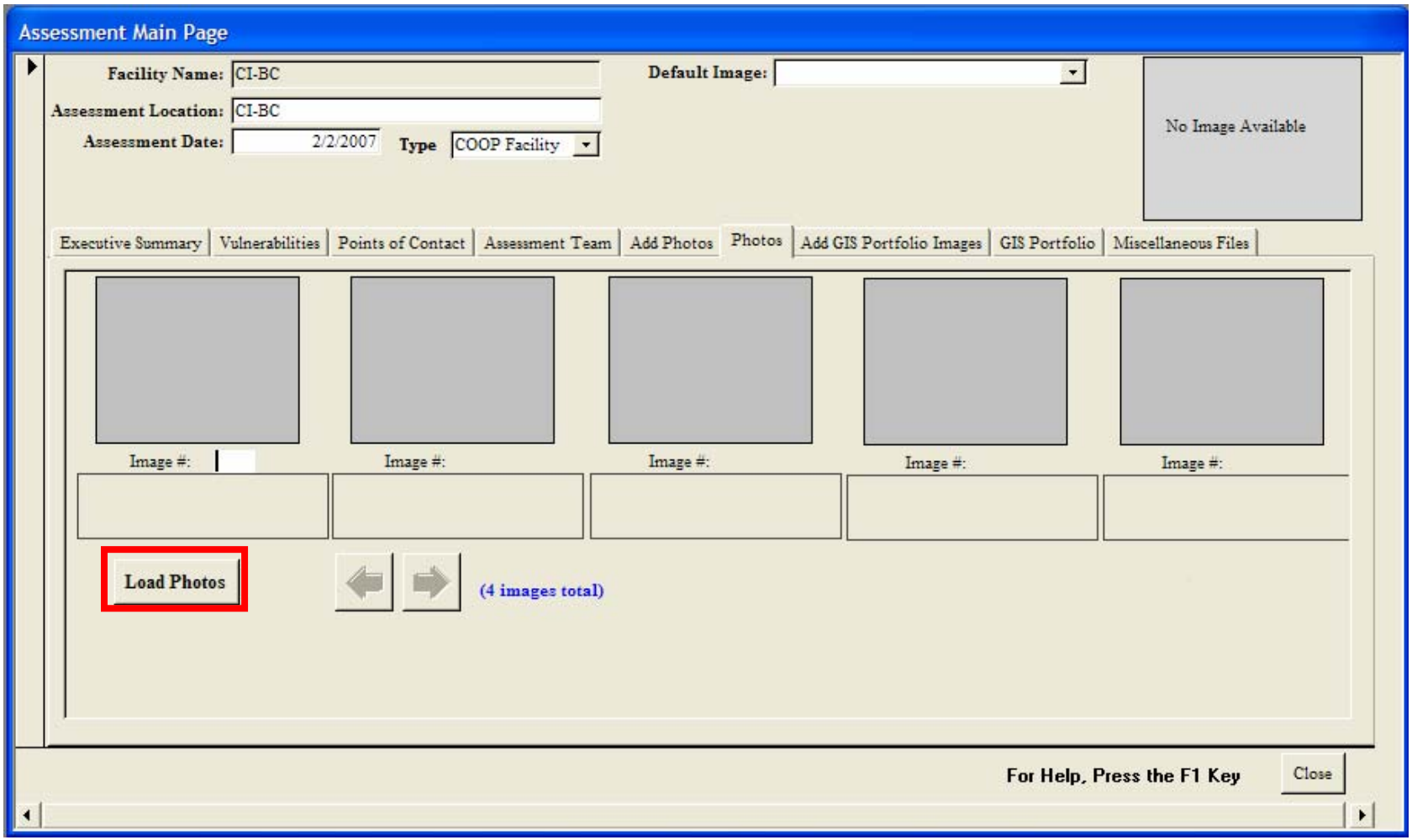
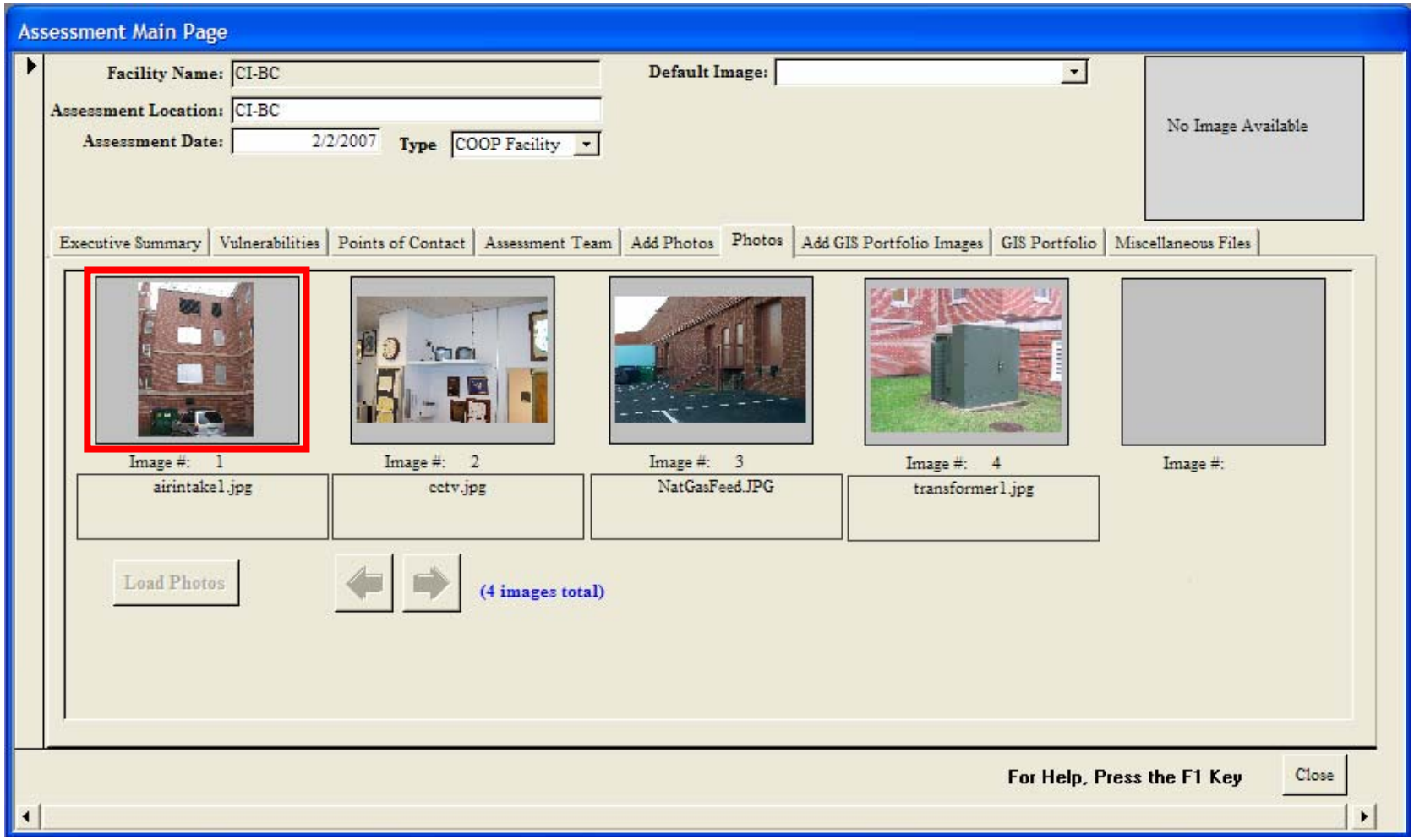

Assessment Main Page
Facility Name: CI-BC
Assessment Location: CI-BC
Assessment Date: 2/2/2007
Type COOP Facility
Default Image:
No Image Available
Executive Summary
Vulnerabilities
Points of Contact
Assessment Team
Add Photos
Photos
Add GIS Portfolio Images
GIS Portfolio
Miscellaneous Files
Image #:
Image #:
Image #:
Image #:
Image #:
Load Photos
(4 images total)
For Help, Press the F1 Key
Close

Add Photos



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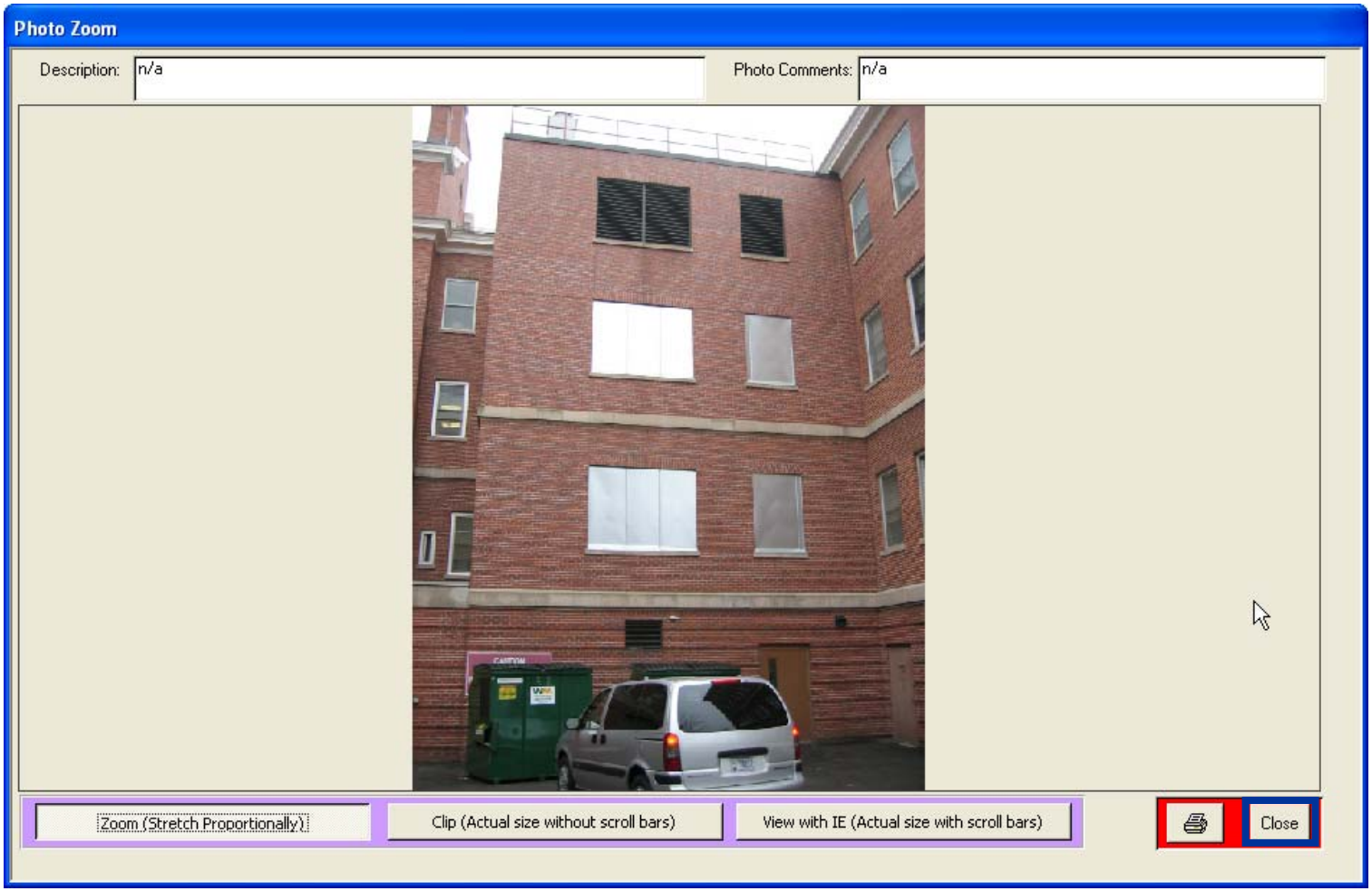

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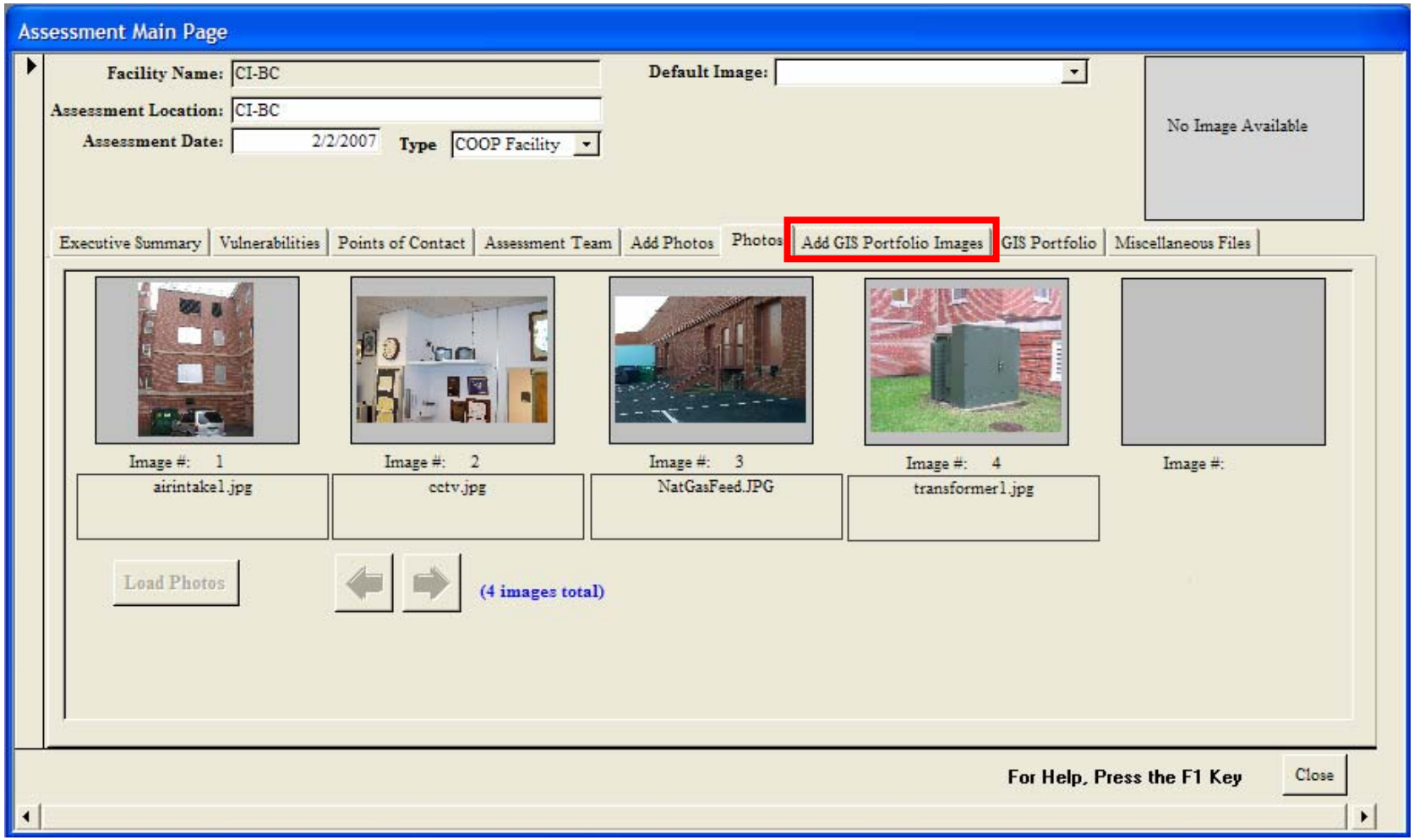
Add GIS Images



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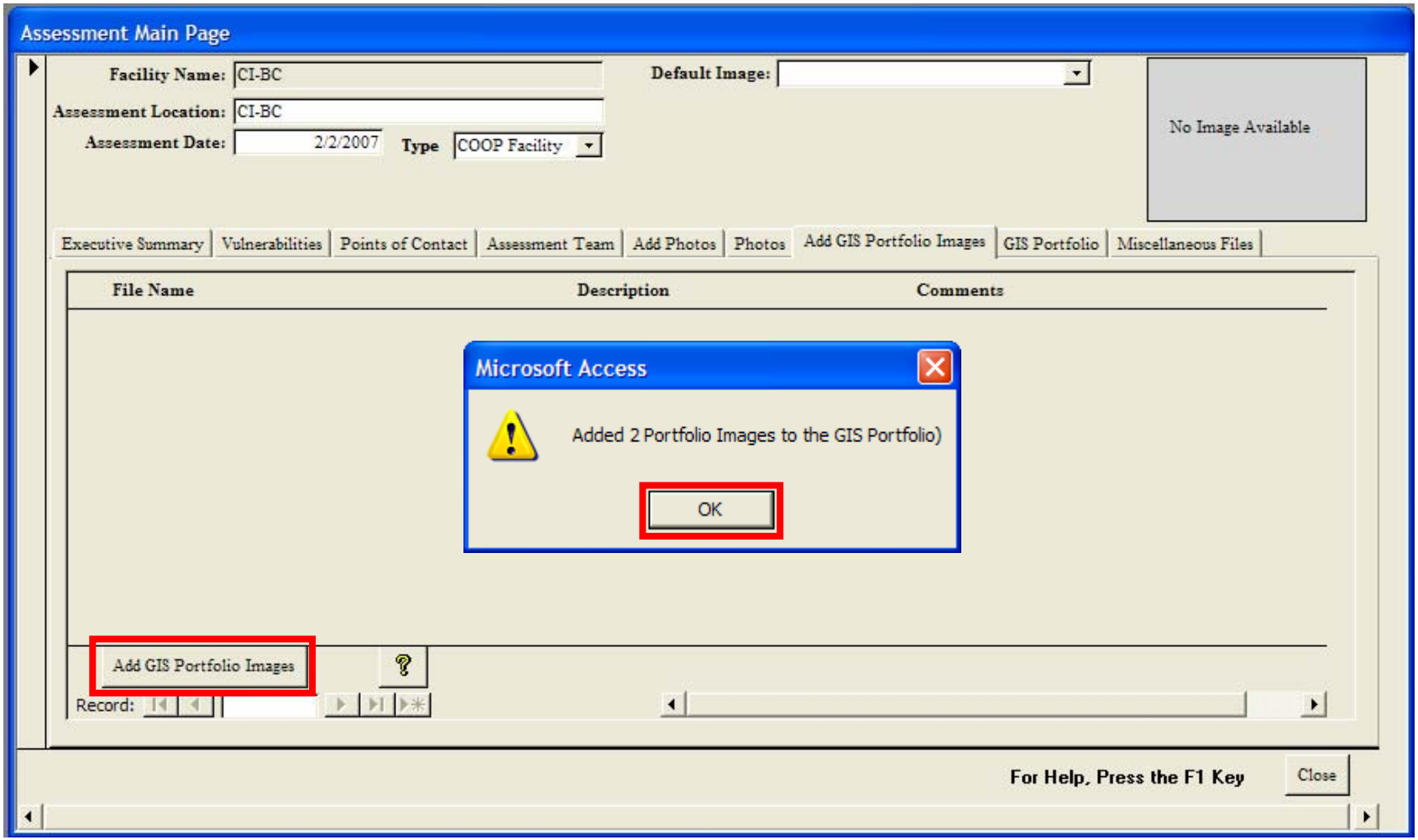
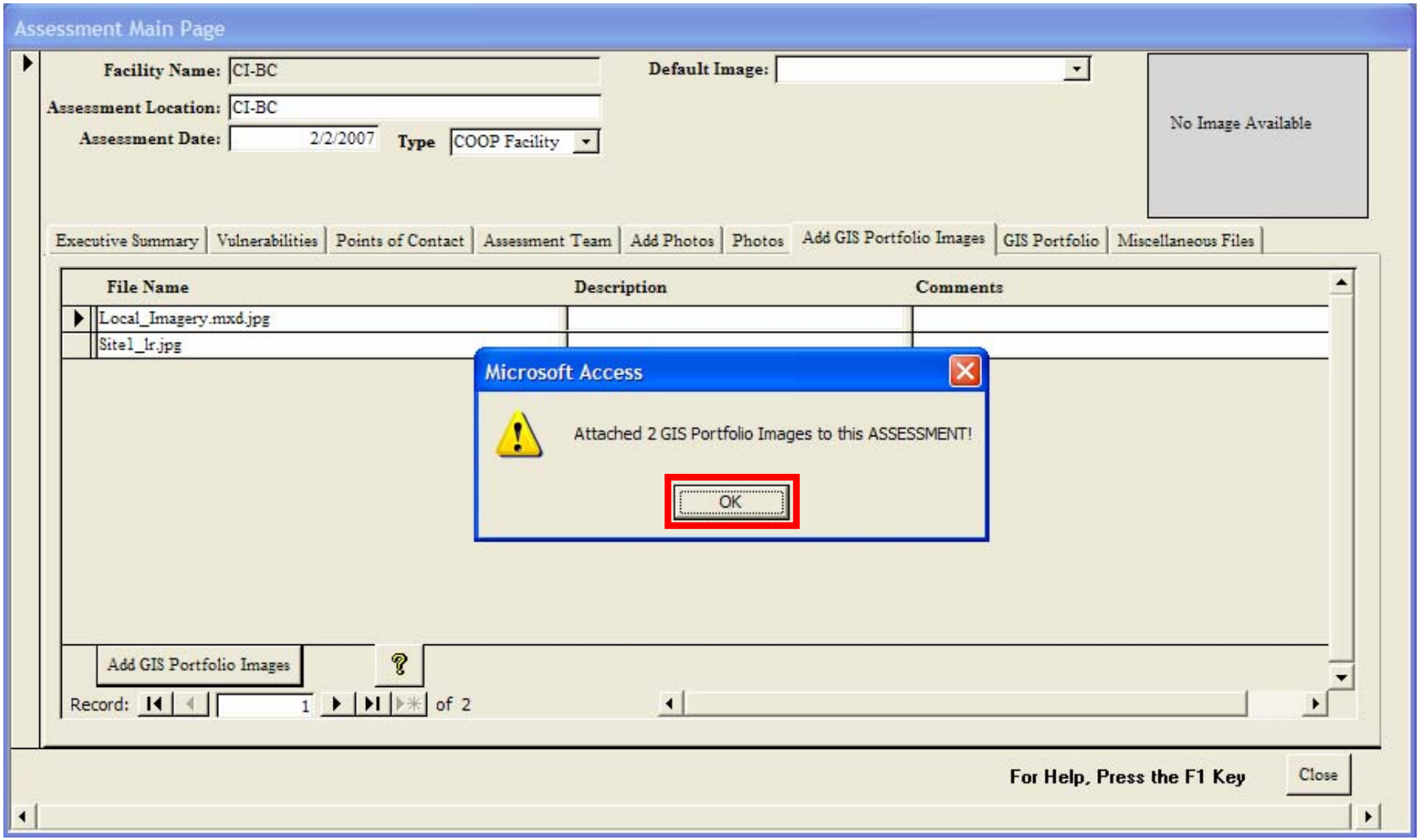
Add GIS Images



Add GIS Images



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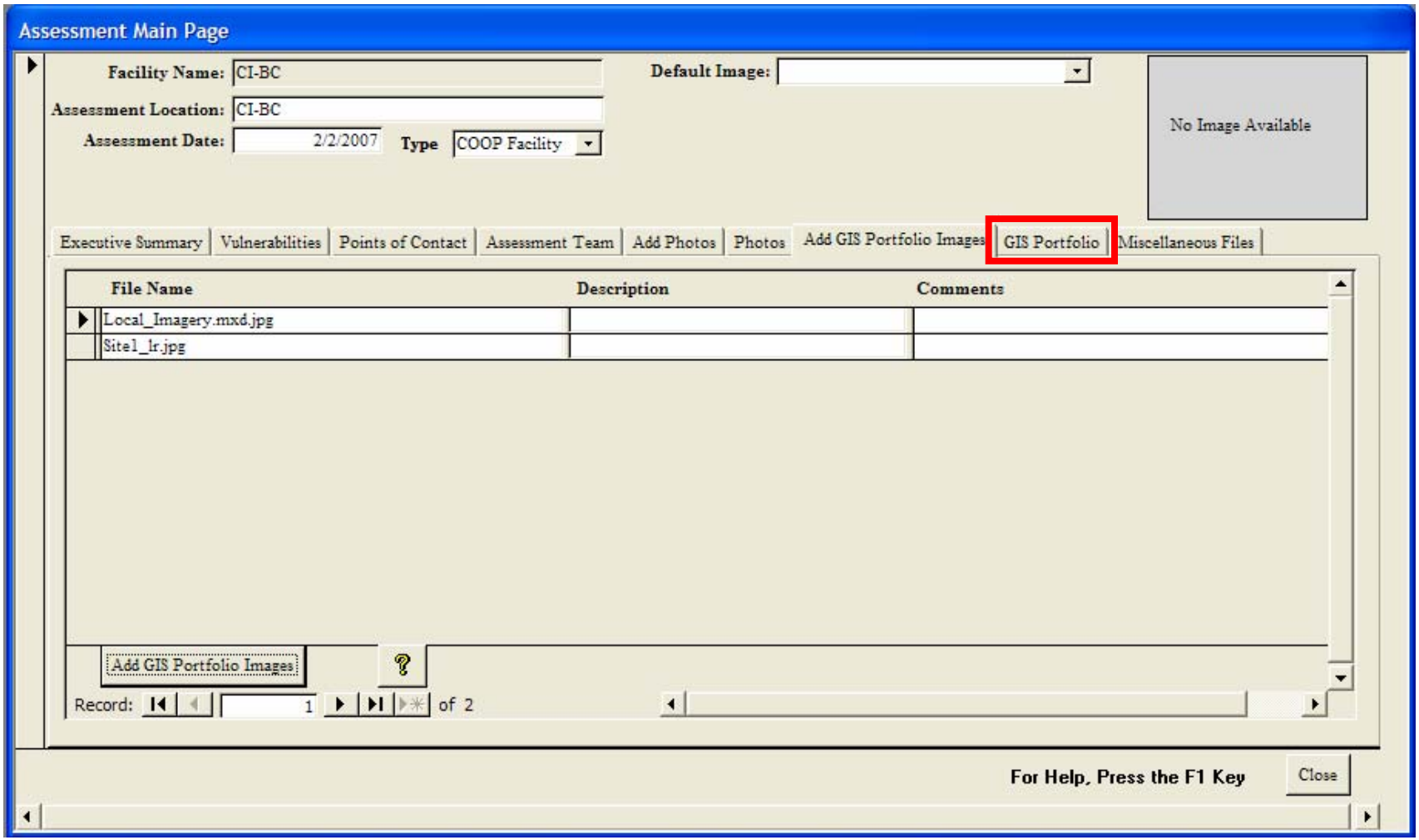

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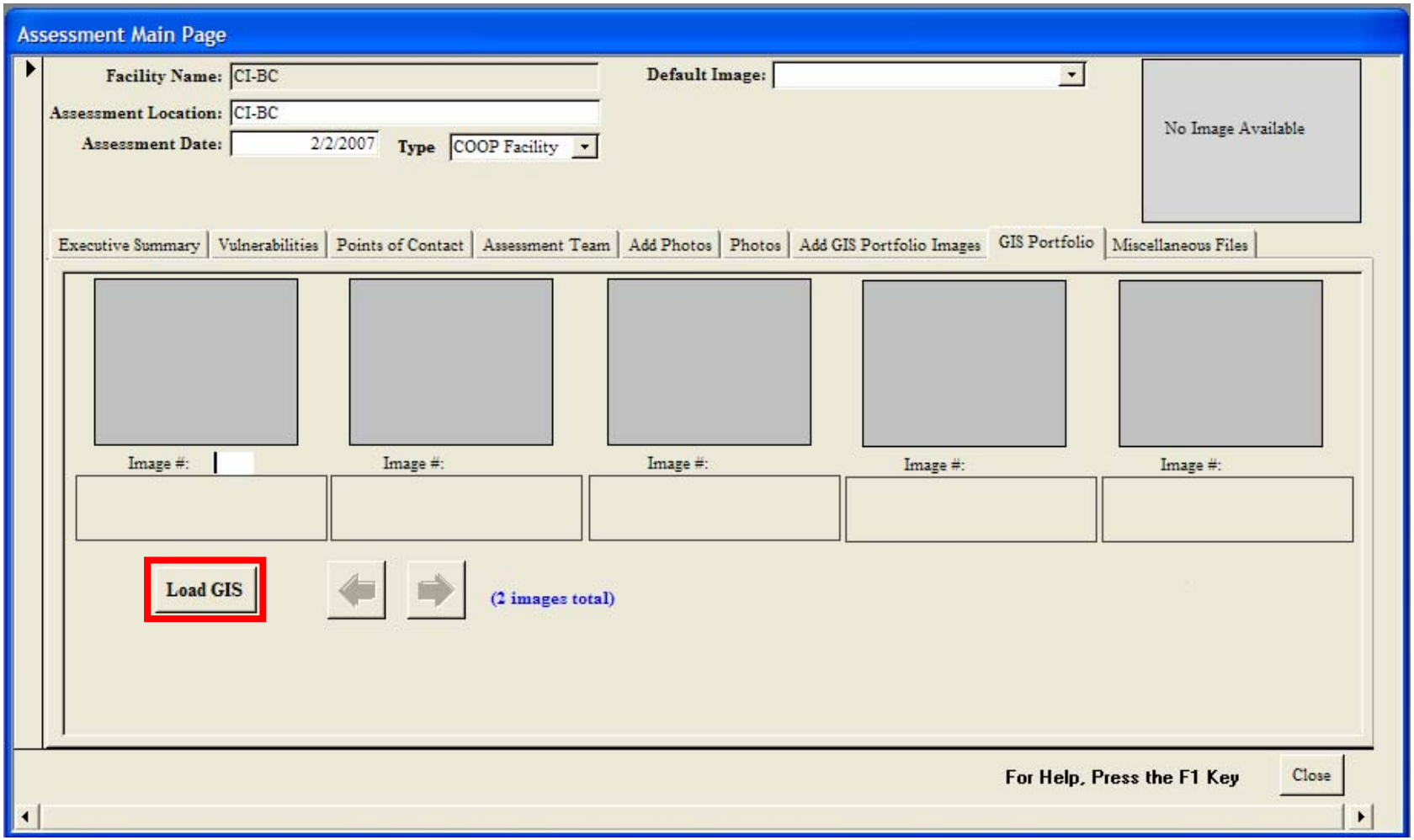
Add GIS Images



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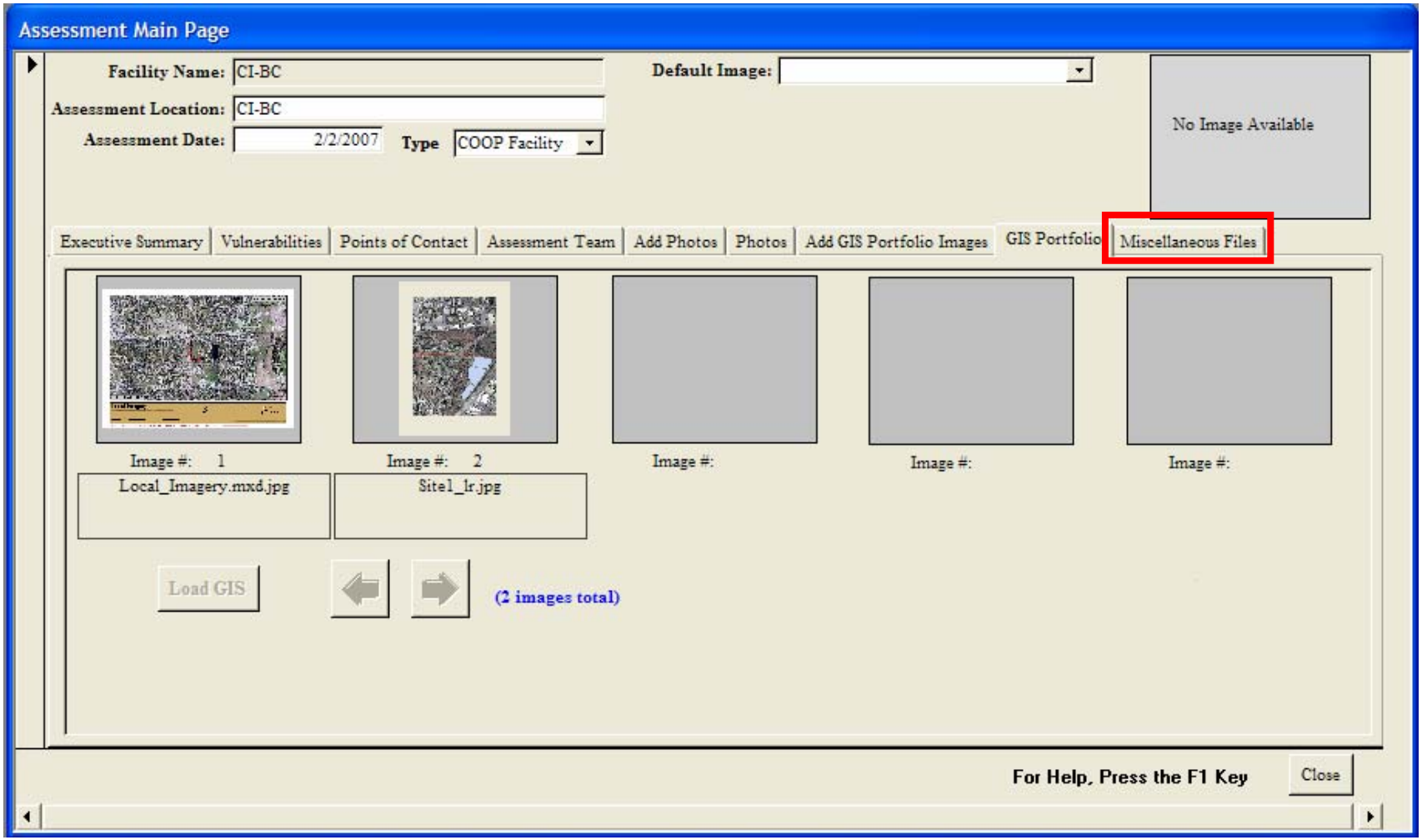
Add GIS Images



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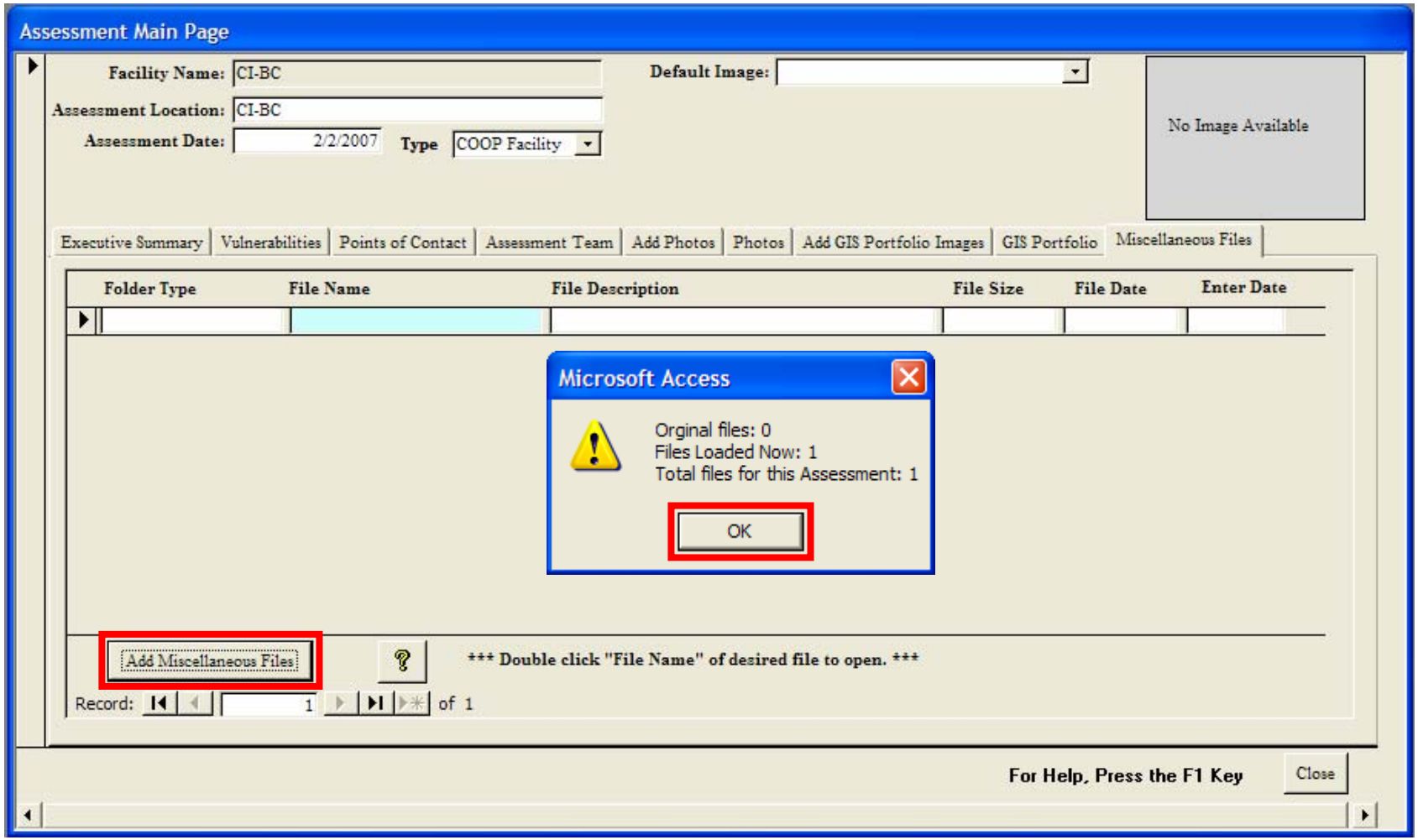
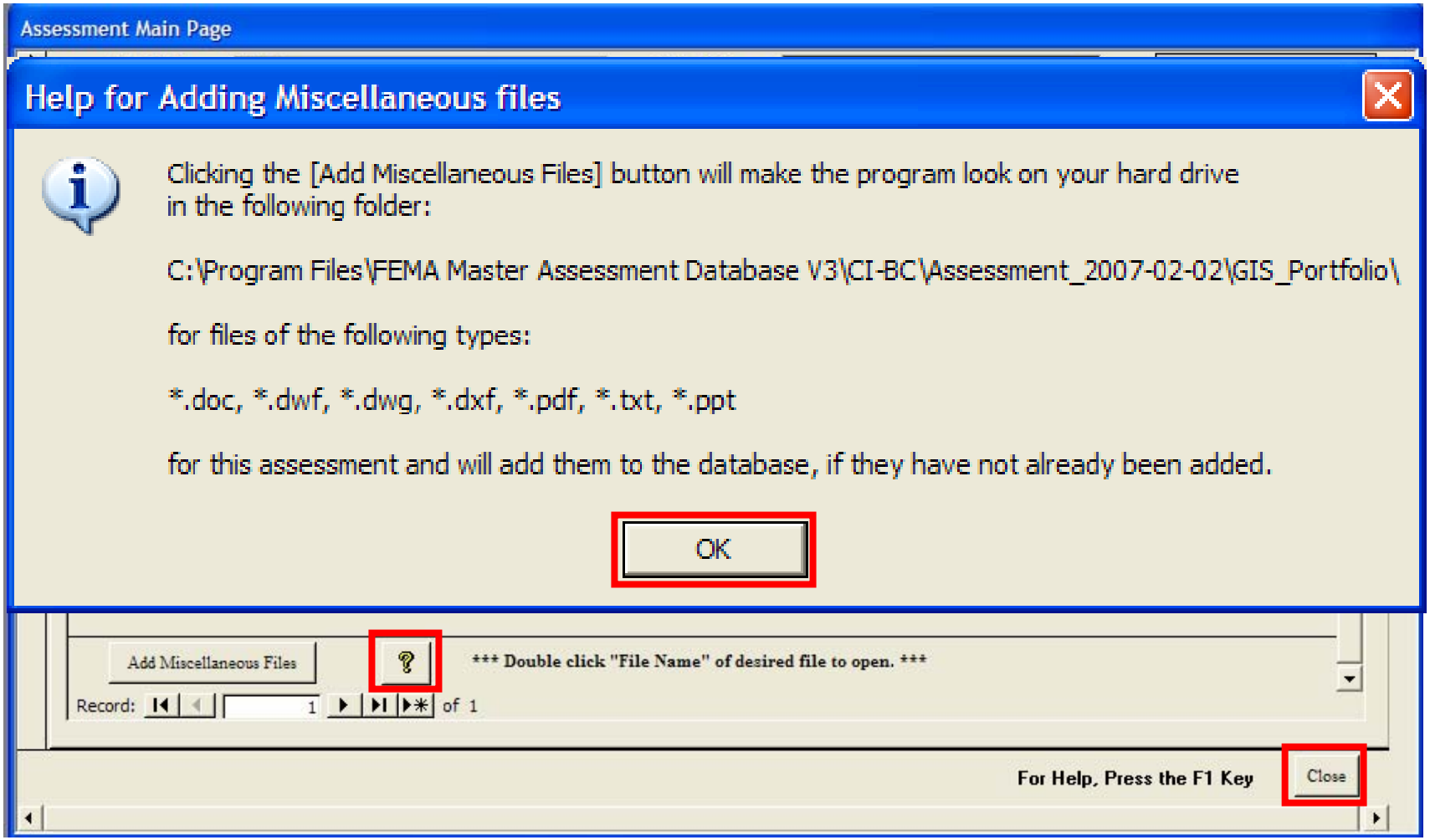
Add Miscellaneous Files



* Same as photos and GIS images

Add Miscellaneous Files



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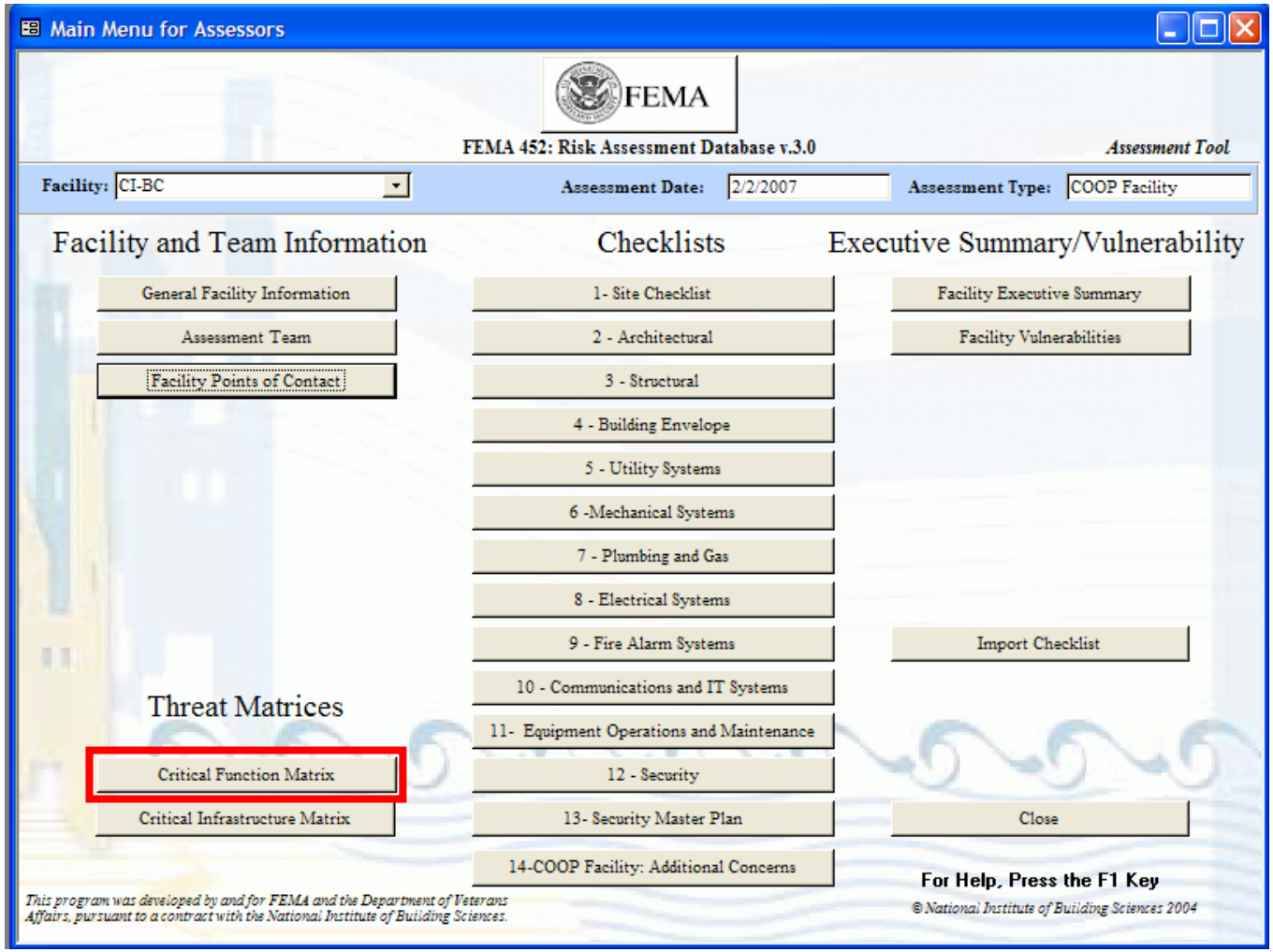
Threat Matrices



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Critical Functions Matrix

Threats →

Functions ↓

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) TR	AV	VR	Risk	Chemical Agent TR	AV	VR	Risk	Arson / Incendiary Attack TR	AV	VR	Risk	Armed Attack TR	AV	VR	Risk	Biological Agent TR	AV	VR	Risk	Cyberterrorism TR	AV	VR	Risk	Agriterrorism TR	AV	VR	Risk	No.	Critical Funct
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	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	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	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	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	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	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	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	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	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

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Record: 1 of 18

Threat Rating	**1- 10**
Asset Value	**1- 10**
Vulnerability Rating	**1- 10**

- **Low risk (1-60)**
- **Medium risk (61-175)**
- **High risk (> 175)**

FEMA

Critical Functions Matrix

Threats →

Functions ↓

Critical Functions Matrix -- Page 1

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

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

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

No.	Critical Function	Improvised Explosive Device (Bomb) TR	AV	VR	Risk	Chemical Agent TR	AV	VR	Risk	Arson / Incendiary Attack TR	AV	VR	Risk	Armed Attack TR	AV	VR	Risk	Biological Agent TR	AV	VR	Risk	Cyberterrorism TR	AV	VR	Risk	Agriterrorism TR	AV	VR	Risk	No.	Critical Funct
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

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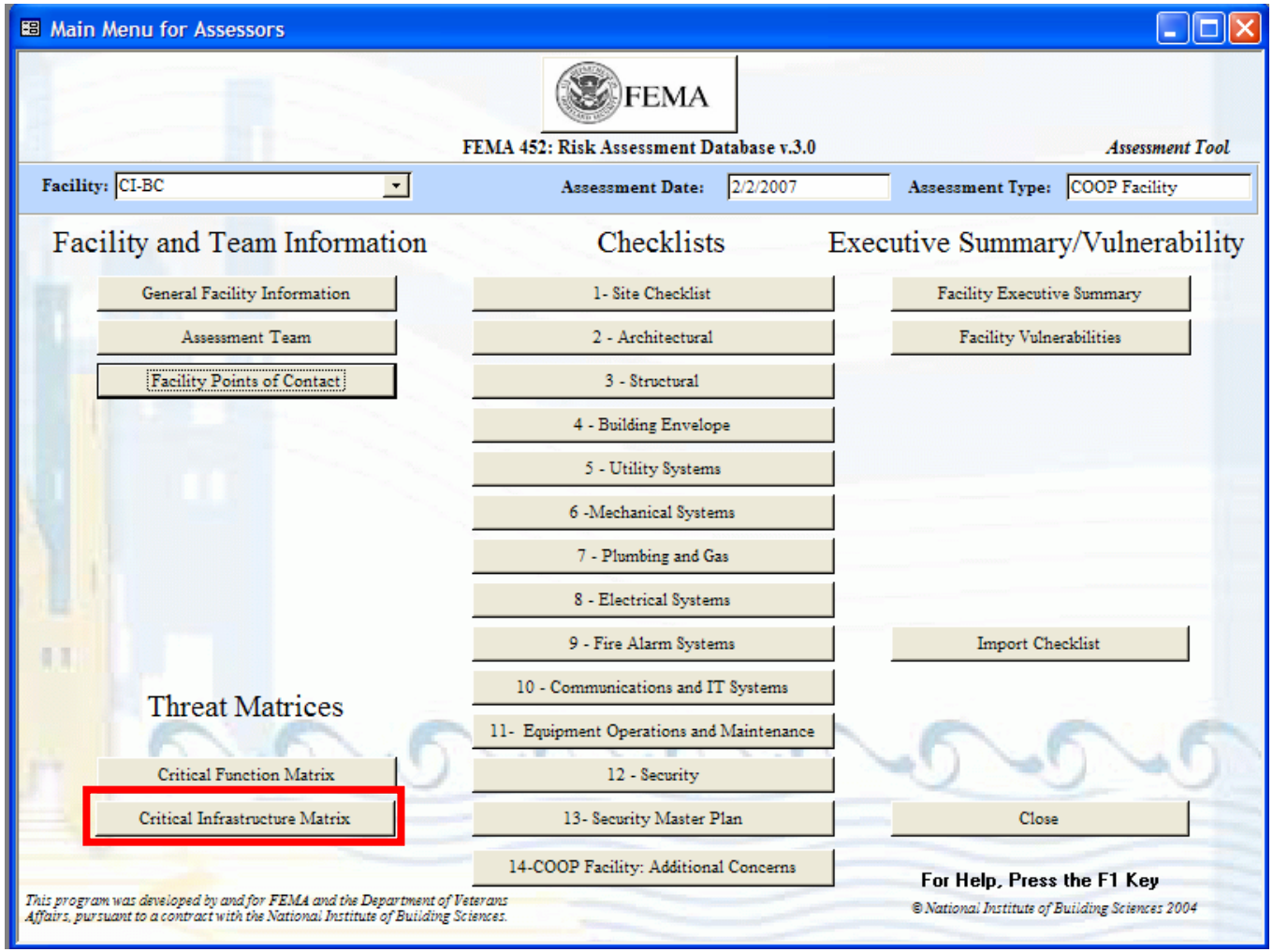
Record: 9 of 18

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

FEMA

Threat Matrices

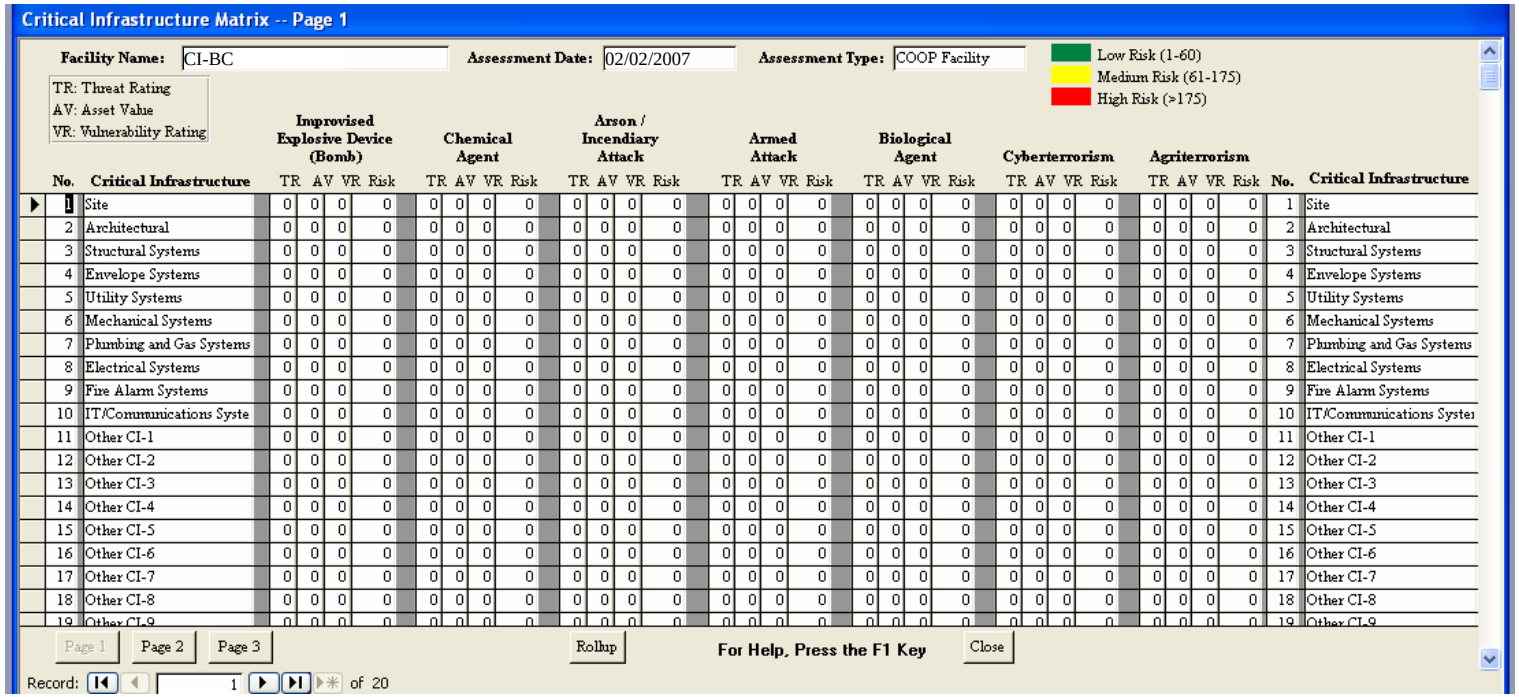


FEMA

Critical Infrastructure Matrix

Threats →

Infrastructure ↓



Critical Infrastructure Matrix -- Page 1

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

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

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

No.	Critical Infrastructure	Improvised Explosive Device (Bomb) TR	AV	VR	Risk	Chemical Agent TR	AV	VR	Risk	Arson / Incendiary Attack TR	AV	VR	Risk	Armed Attack TR	AV	VR	Risk	Biological Agent TR	AV	VR	Risk	Cyberterrorism TR	AV	VR	Risk	Agriterrorism TR	AV	VR	Risk	No.	Critical Infrastructure
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	19	Other CI-9

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

Record: 1 of 20

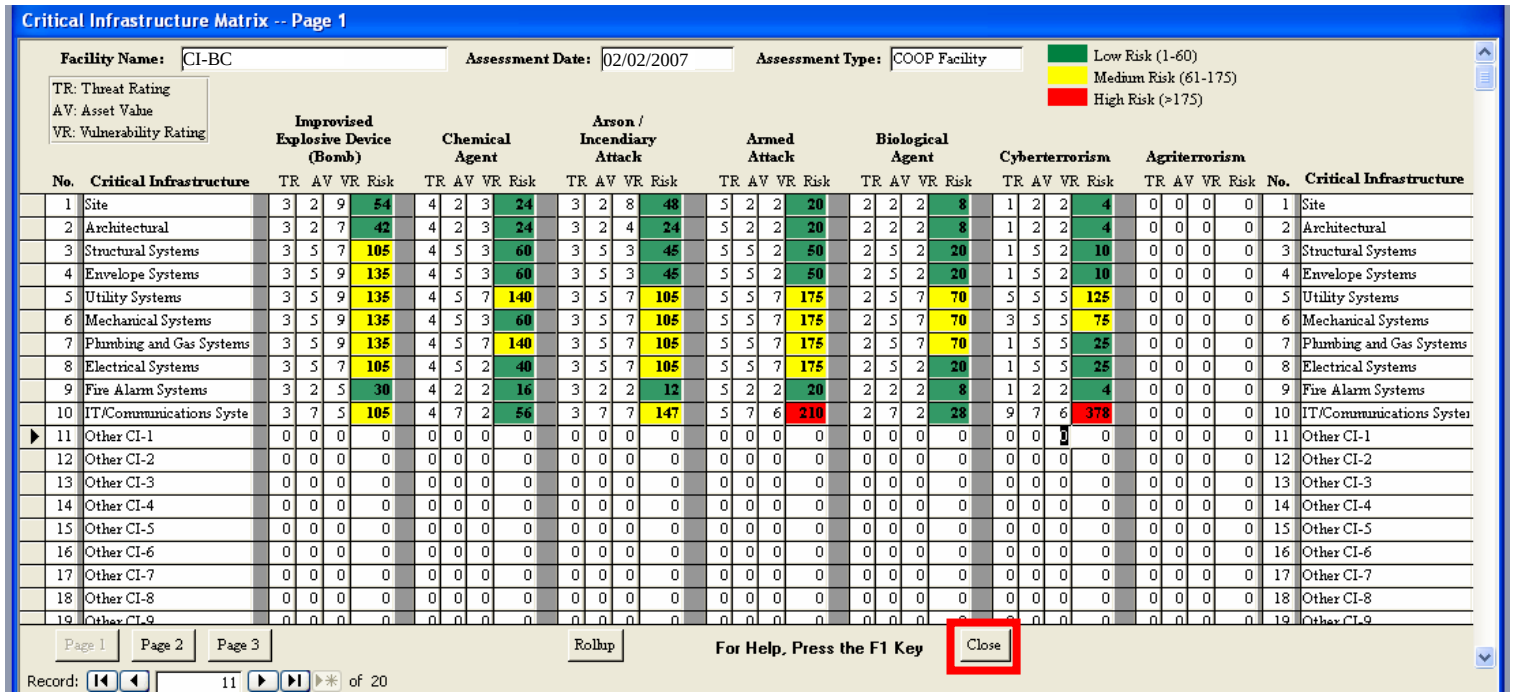
Threat Rating	**1- 10**	**Low risk (1-60)**
Asset Value	**1- 10**	**Medium risk (61-175)**
Vulnerability Rating	**1- 10**	**High risk (> 175)**

FEMA

Critical Infrastructure Matrix

Threats →

Infrastructure ↓



Critical Infrastructure Matrix -- Page 1

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

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

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

No.	Critical Infrastructure	Improvised Explosive Device (Bomb) TR	AV	VR	Risk	Chemical Agent TR	AV	VR	Risk	Arson / Incendiary Attack TR	AV	VR	Risk	Armed Attack TR	AV	VR	Risk	Biological Agent TR	AV	VR	Risk	Cyberterrorism TR	AV	VR	Risk	Agriterrorism TR	AV	VR	Risk	No.	Critical Infrastructure
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	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	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	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	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	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	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	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	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	19	Other CI-9

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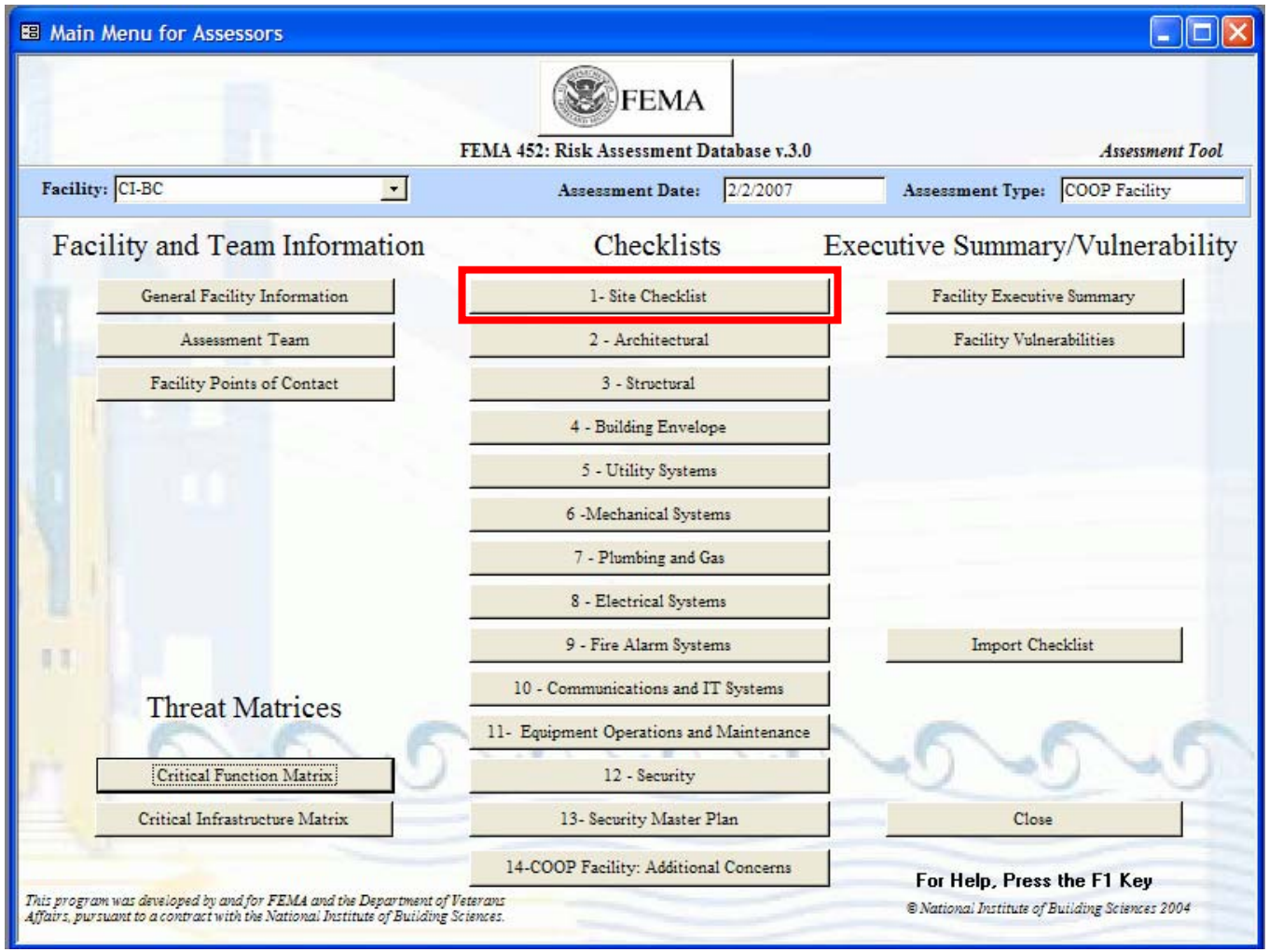
Record: 11 of 20

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

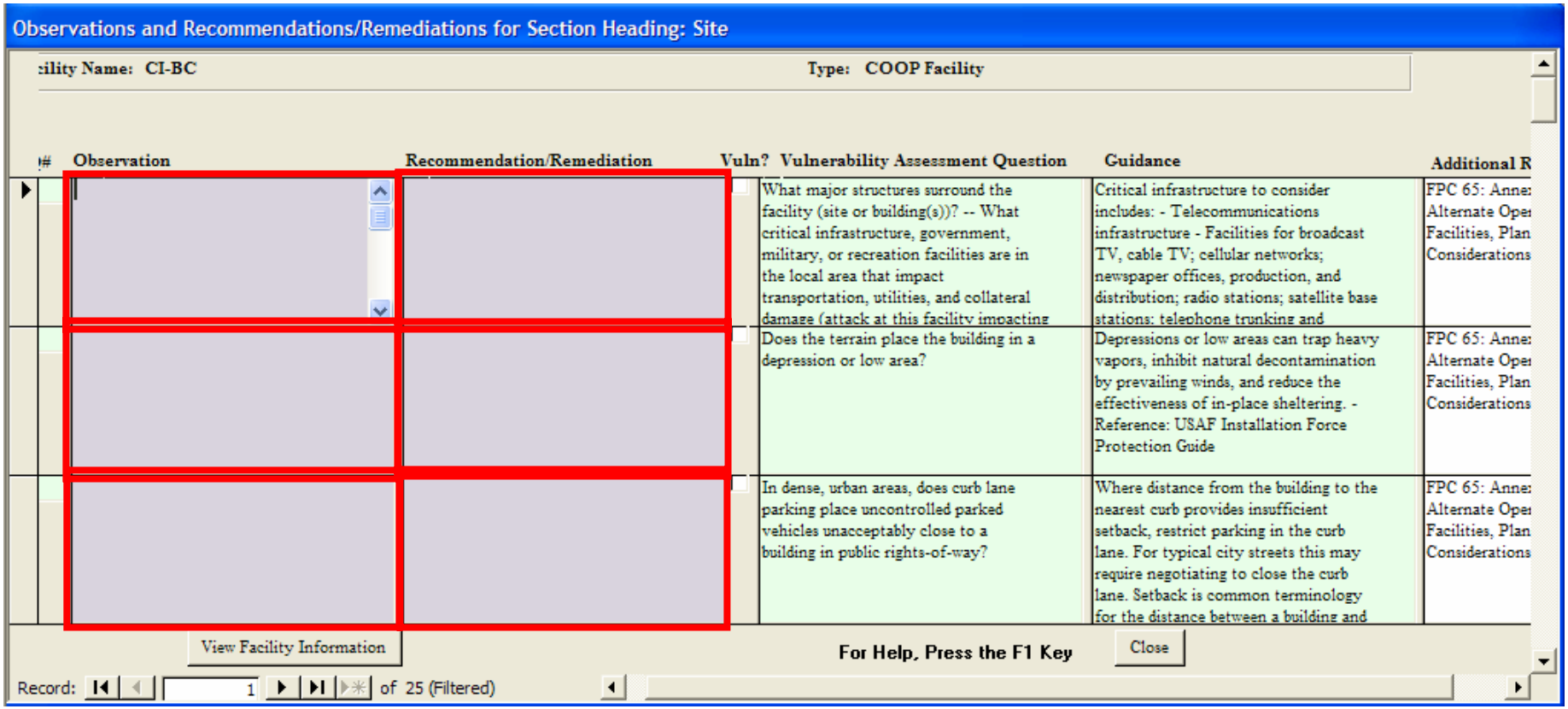
FEMA

Checklists



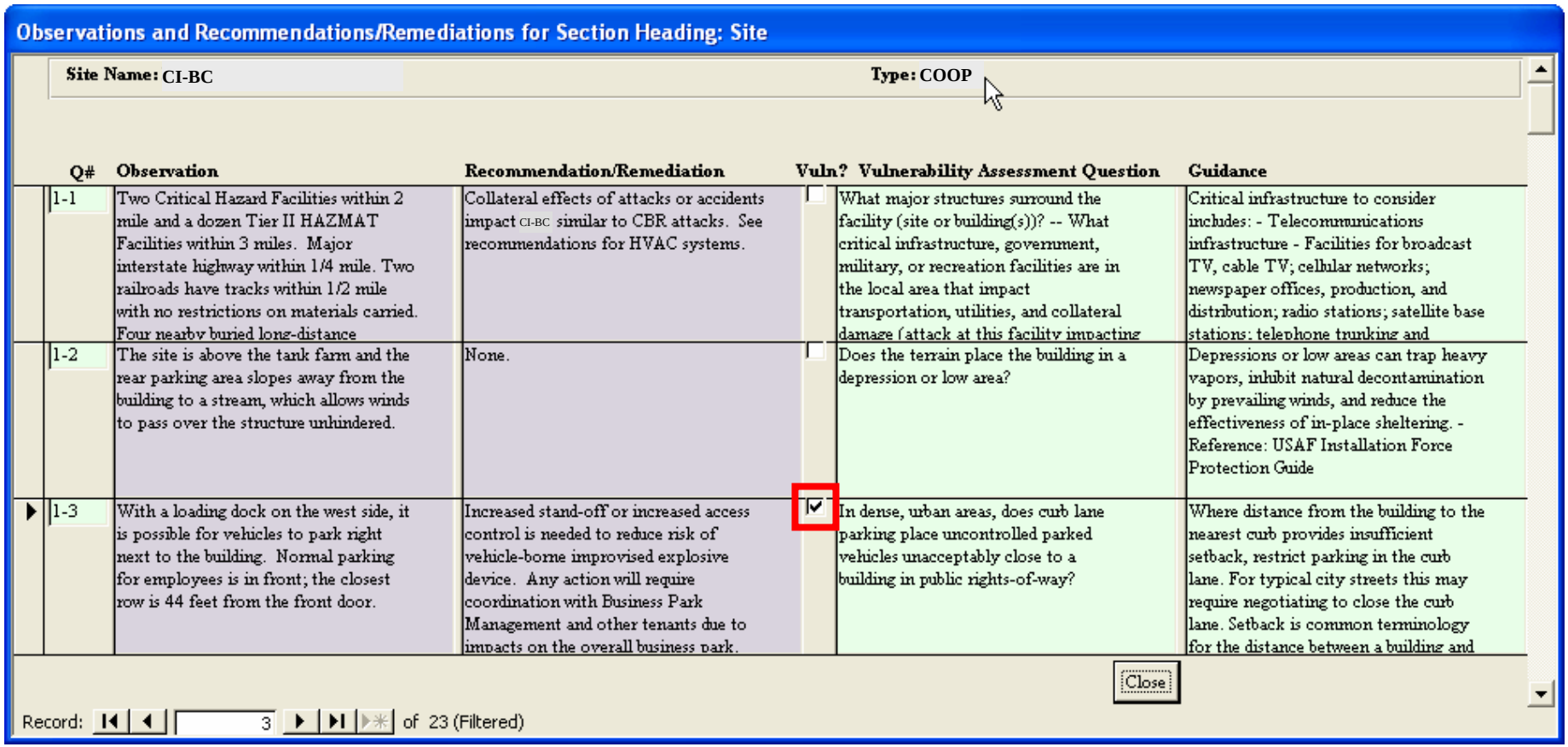
FEMA

Site Checklist



FEMA

Site Checklist



Observations and Recommendations/Remediations for Section Heading: Site

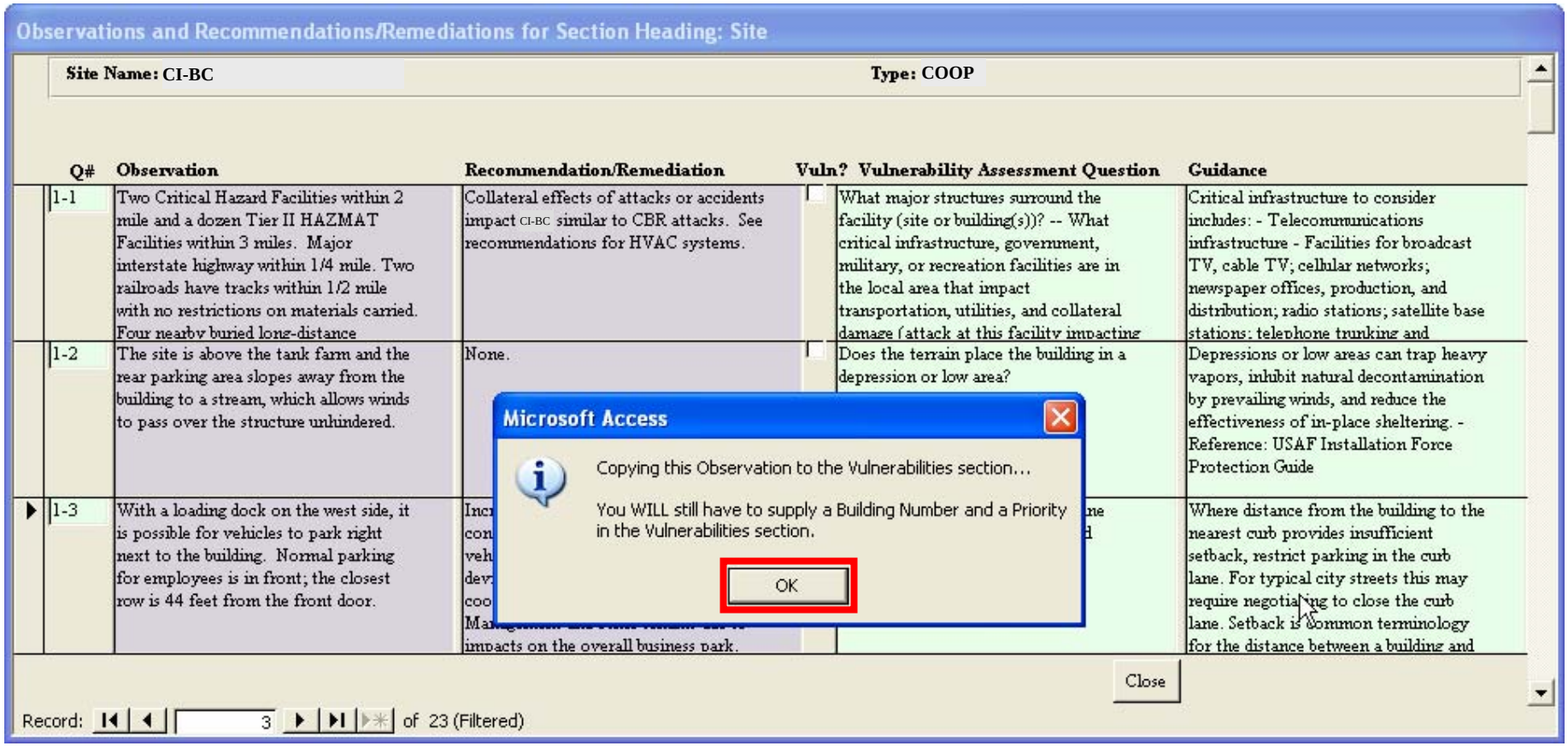
Site Name: CI-BC **Type:** COOP

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.	☐	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.	☐	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.	☑	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

Close

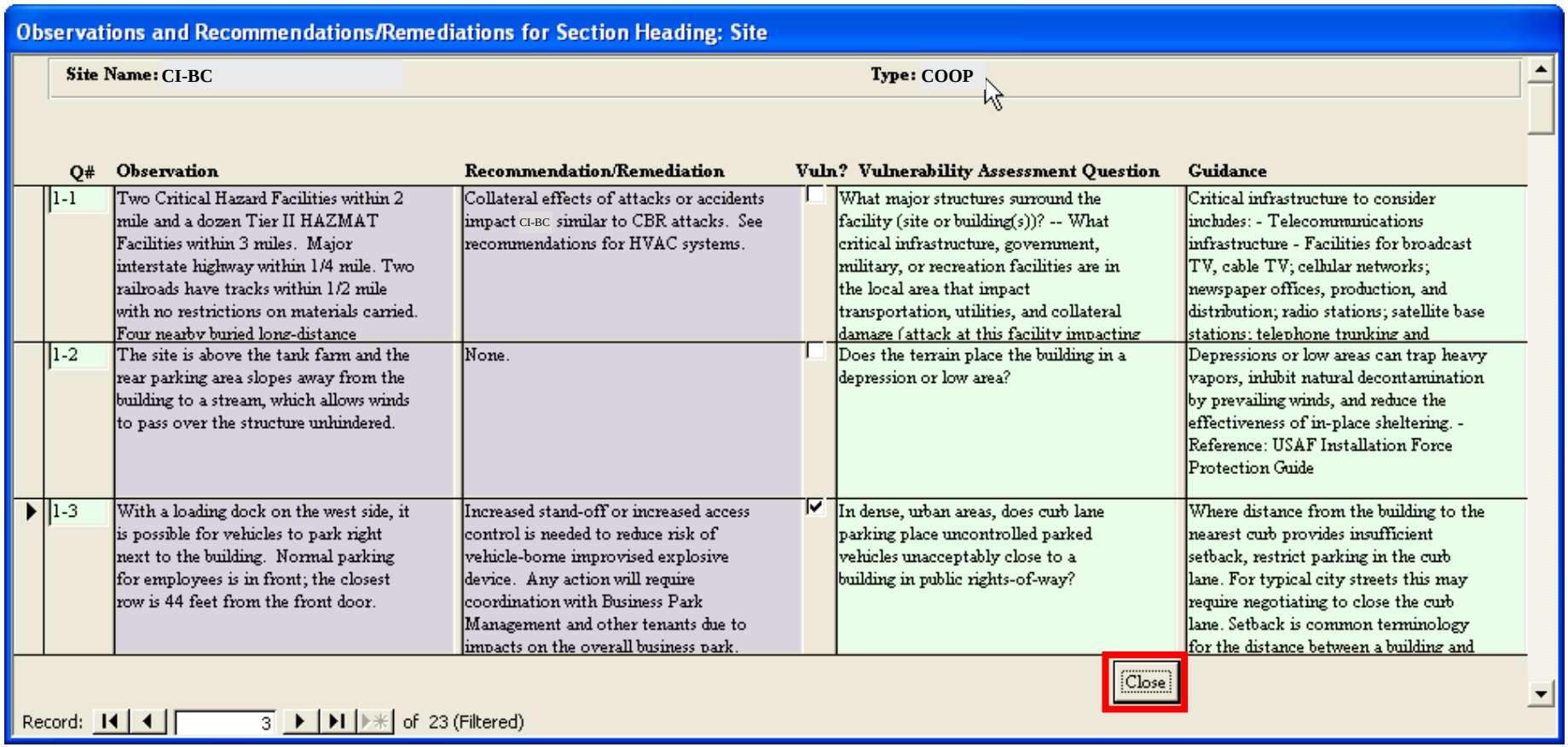
Record: 3 of 23 (Filtered)

Site Checklist



FEMA

Site Checklist



Observations and Recommendations/Remediations for Section Heading: Site

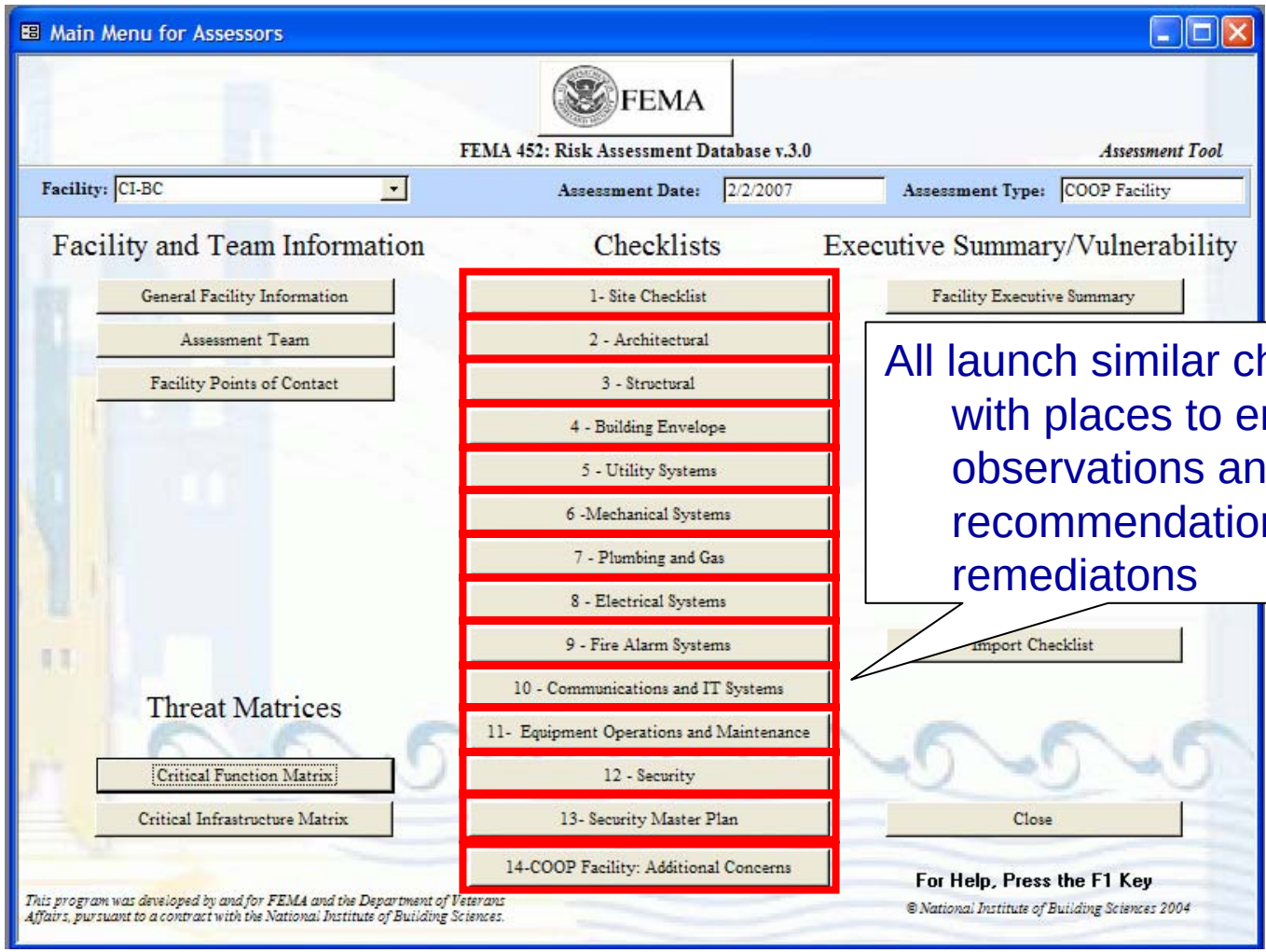
Site Name: CI-BC **Type:** COOP

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.	☐	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.	☐	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.	☑	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

Close

Record: 3 of 23 (Filtered)

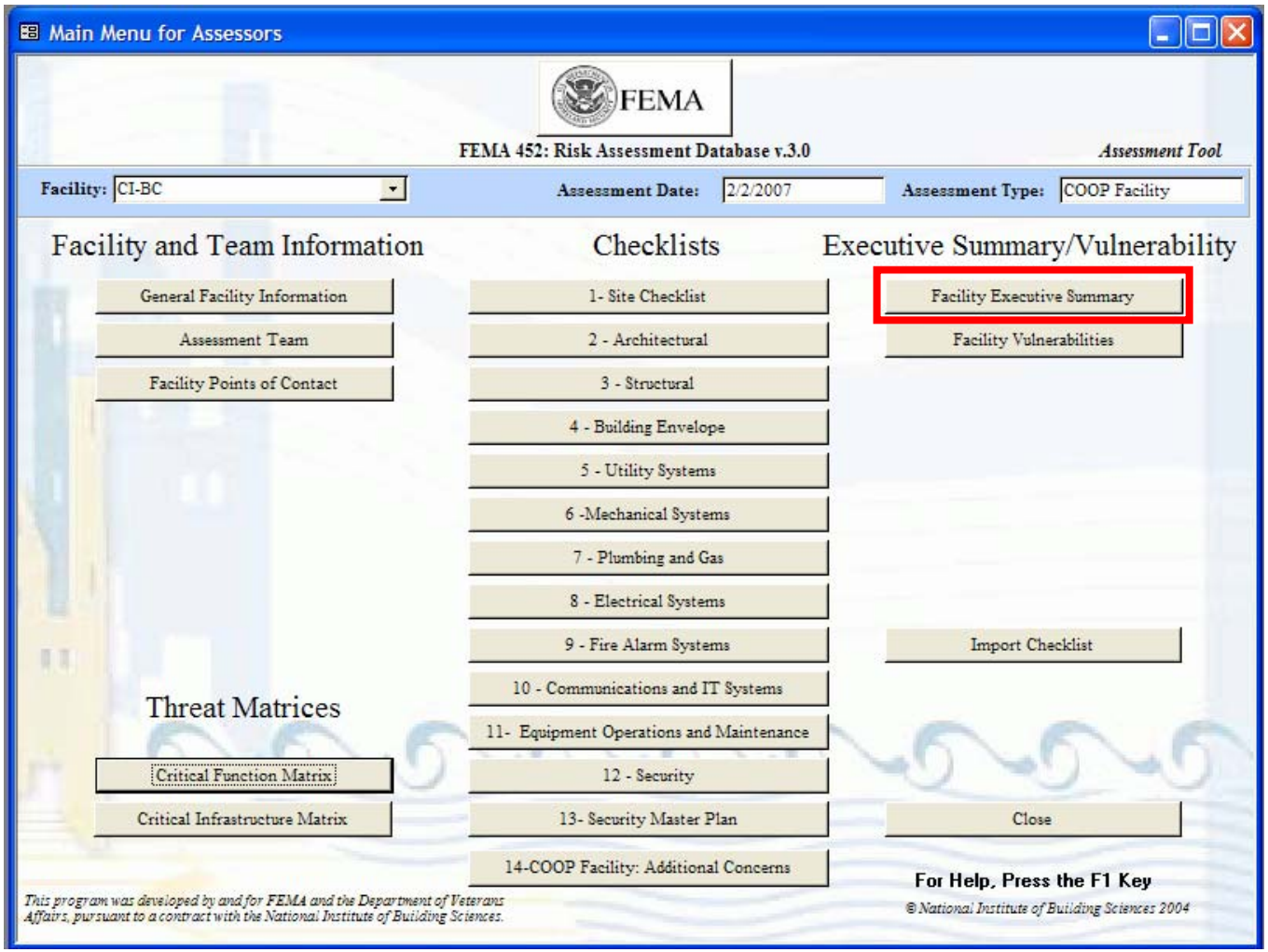
Checklists



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

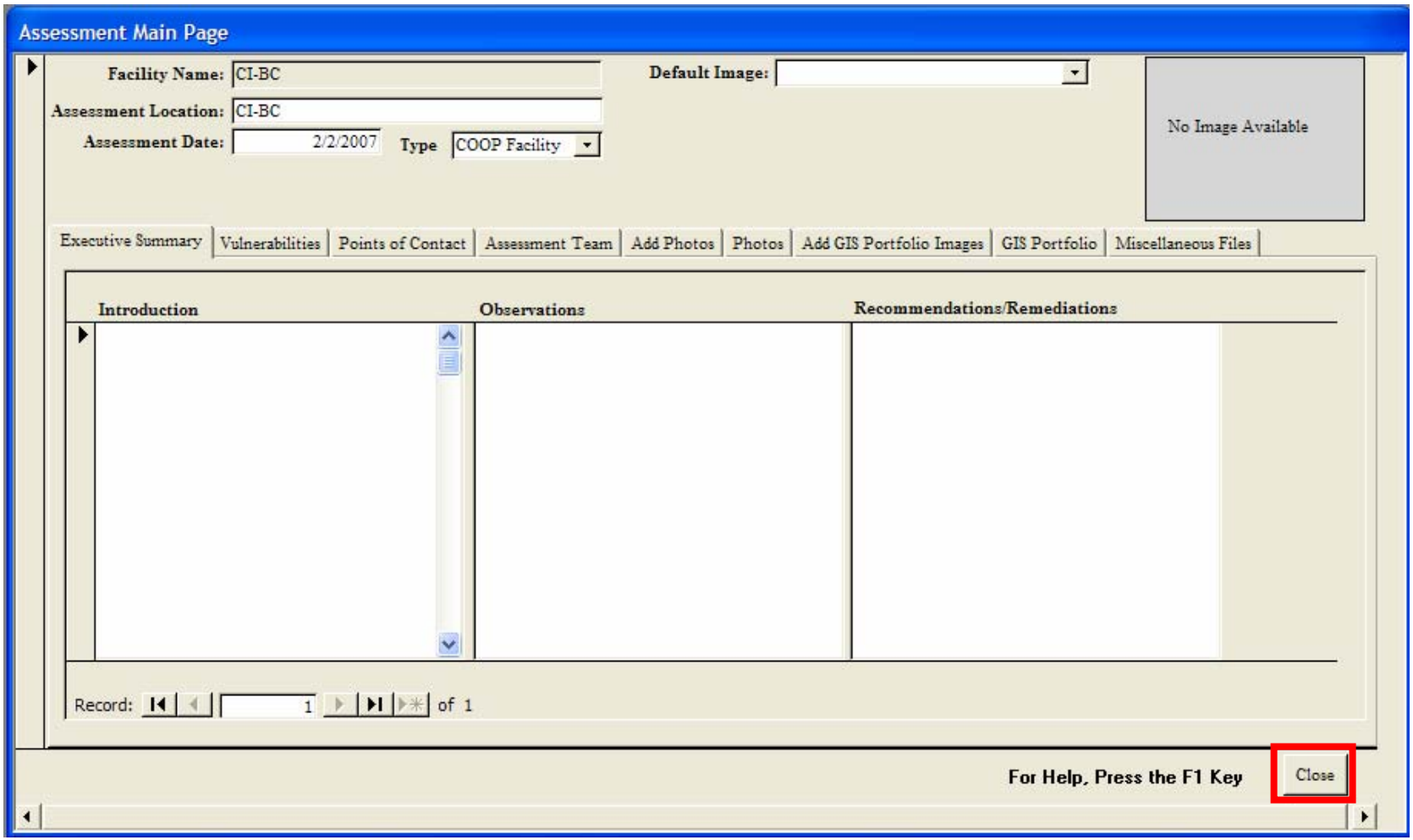
FEMA

Executive Summary



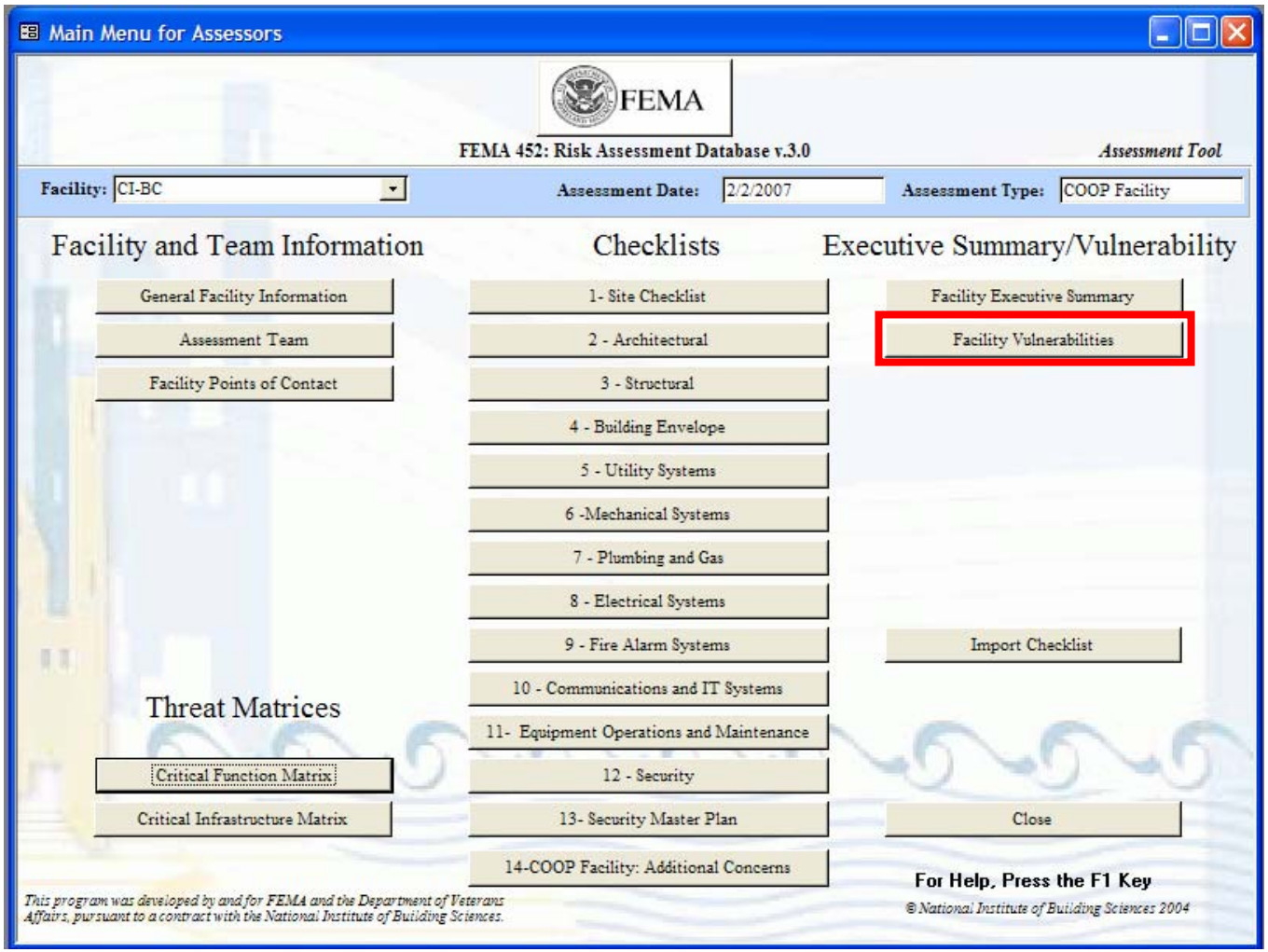
FEMA

Executive Summary Tab



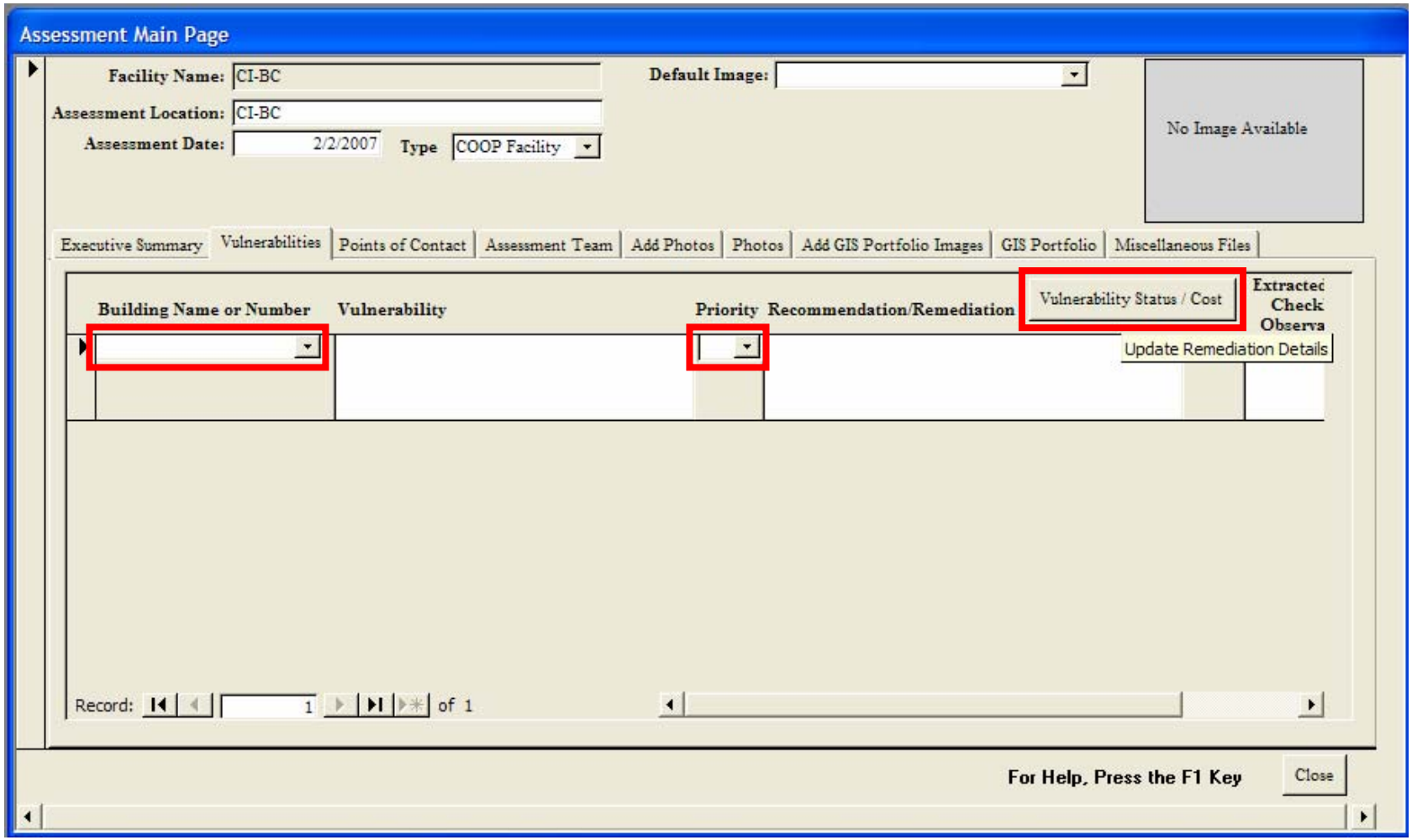
FEMA

Vulnerabilities



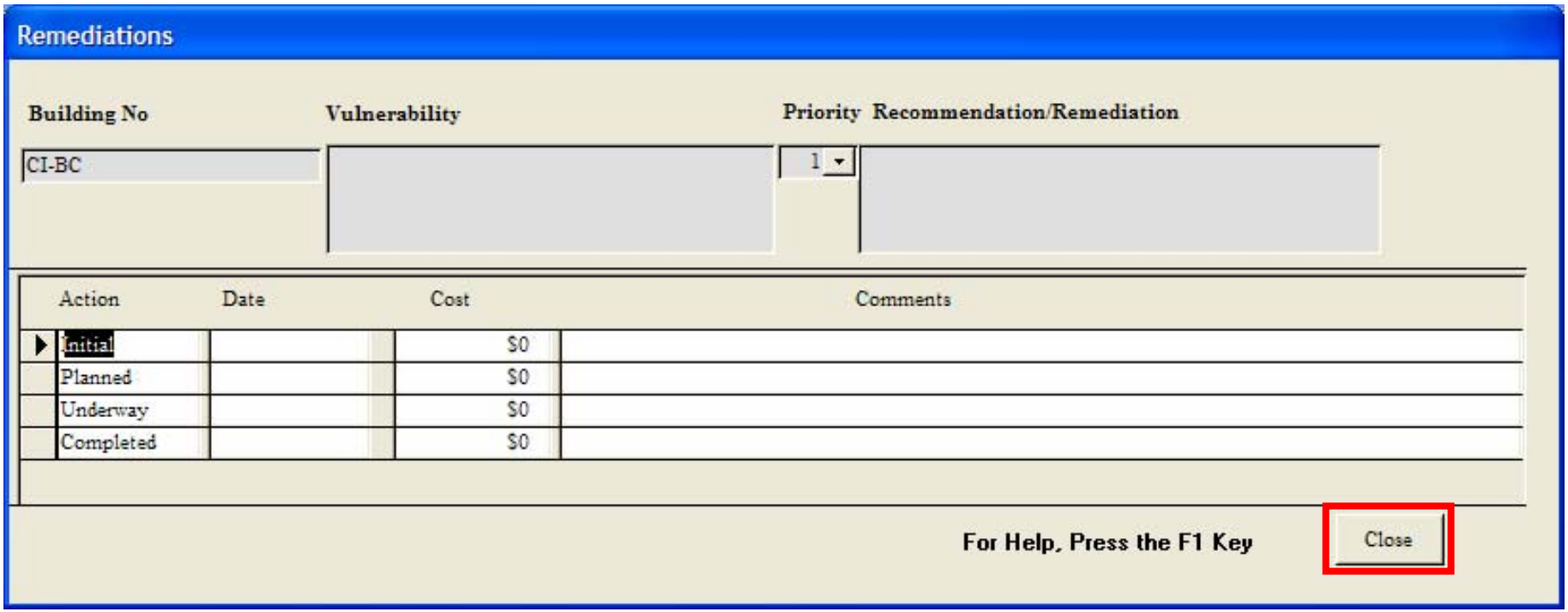
FEMA

Vulnerabilities and Recommendations



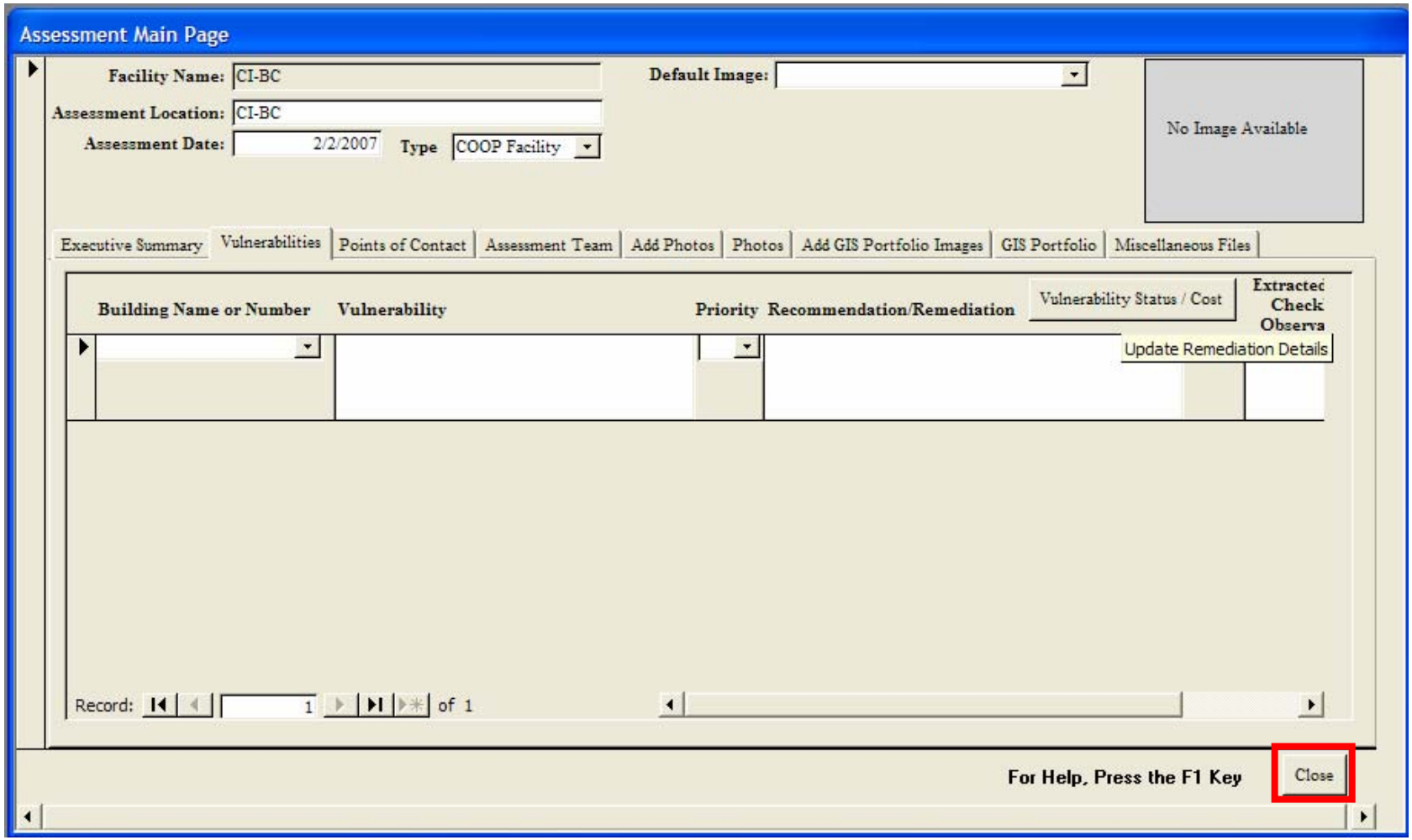
FEMA

Vulnerabilities and Recommendations



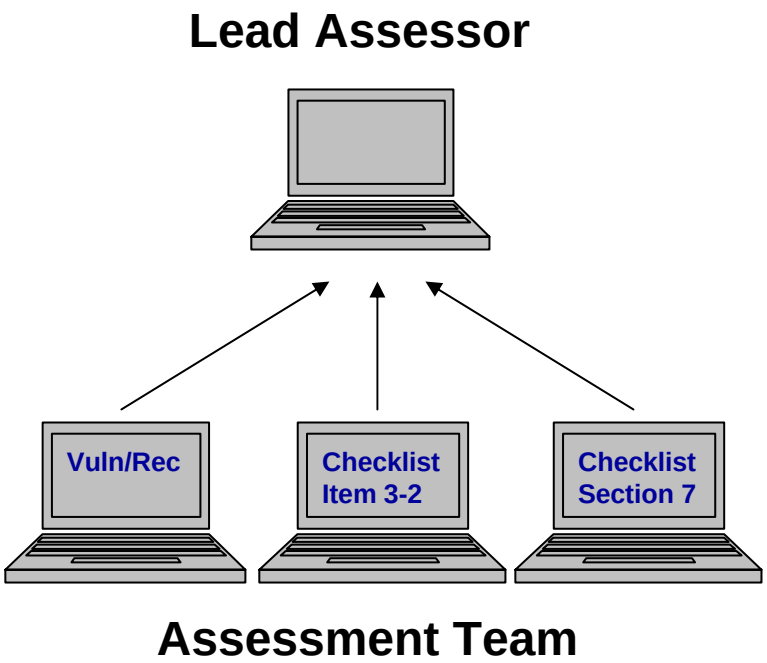
FEMA

Vulnerabilities and Recommendations



FEMA

Assessment Team Import Function

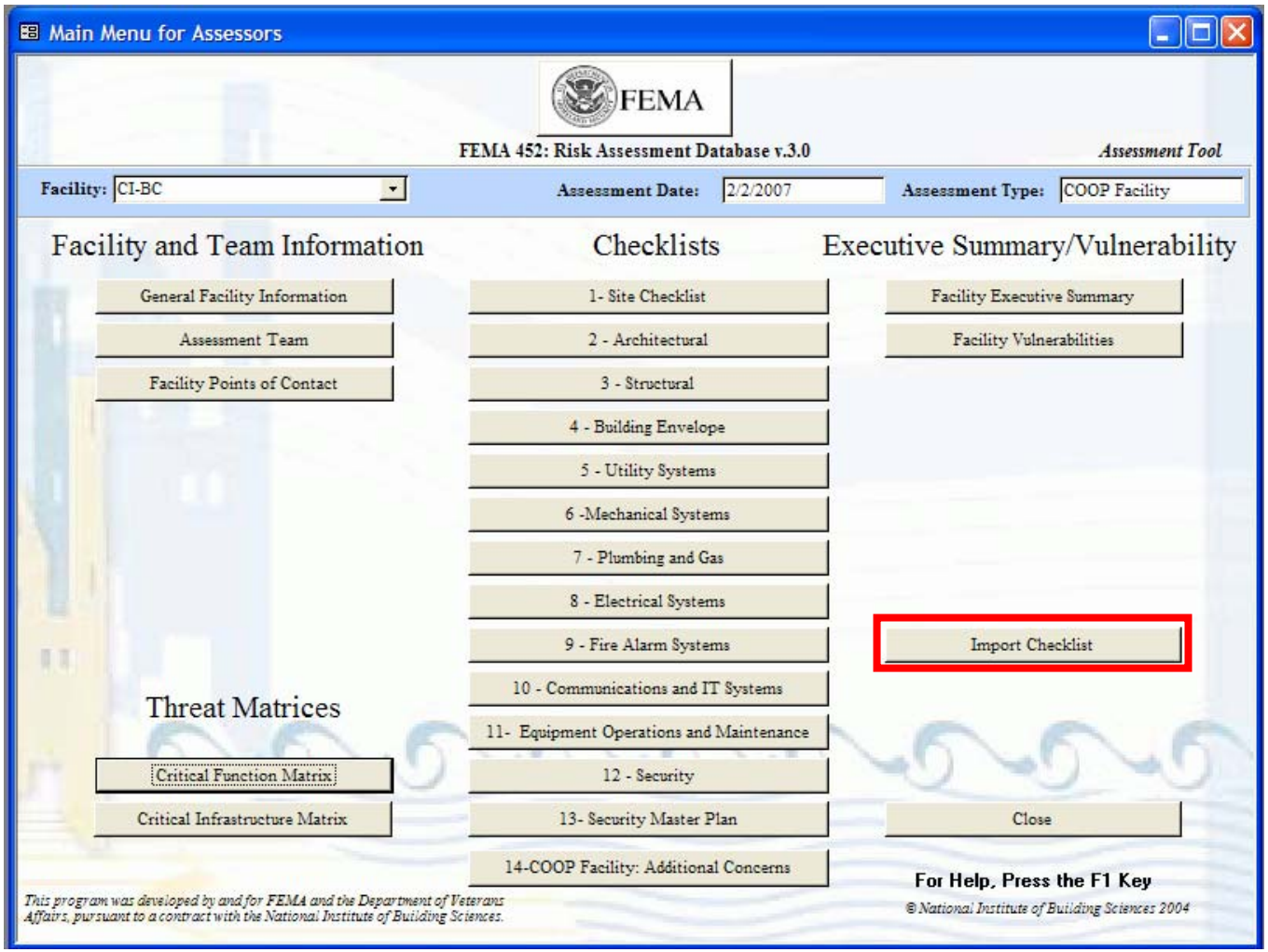


- **Establish a link to a team member's database**
- **Open the remote database**
- **Import Observation, Recommendation/Remediation, or Vulnerability entries**

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

FEMA

Import Assessments



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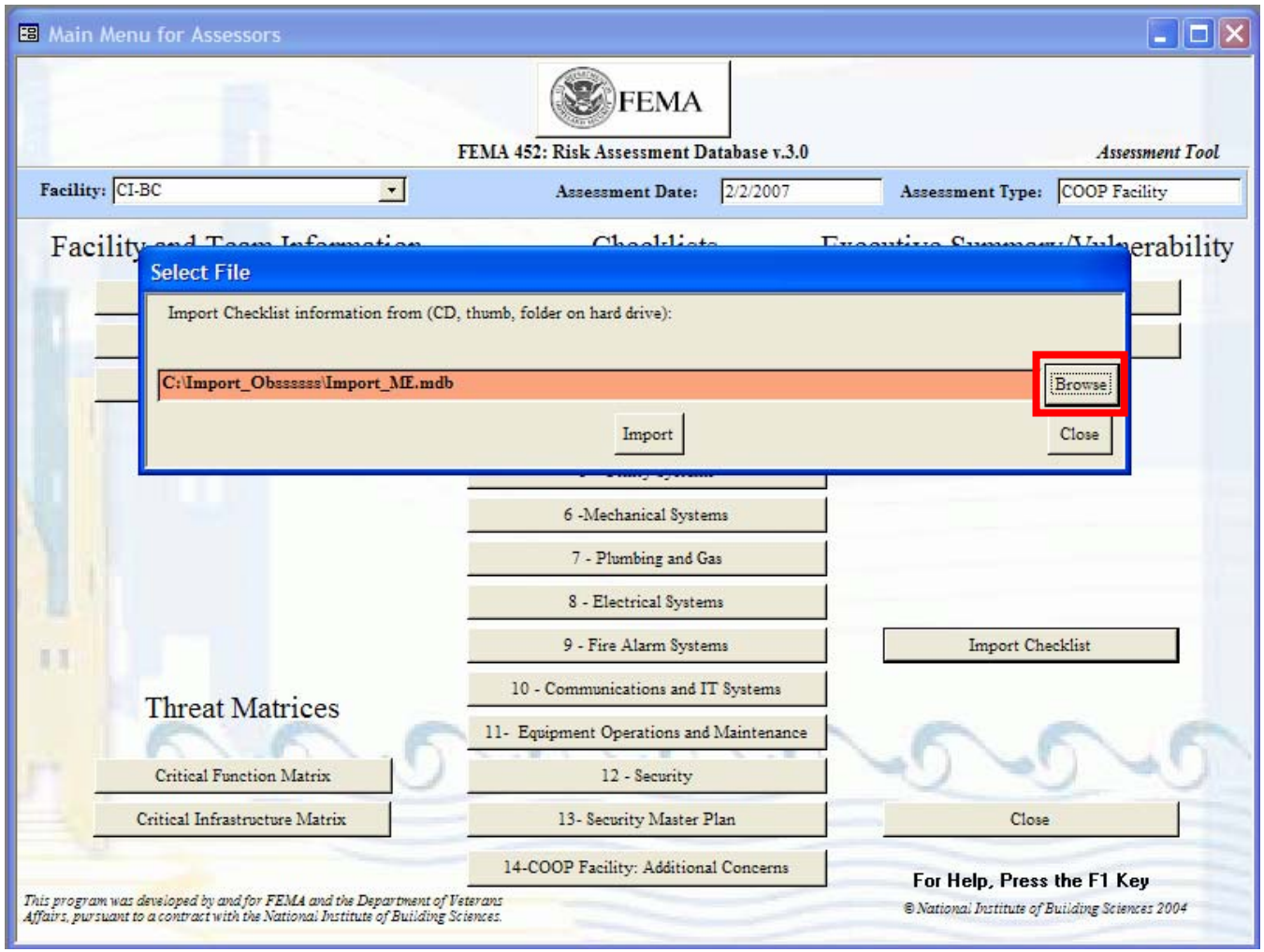
Import Assessments



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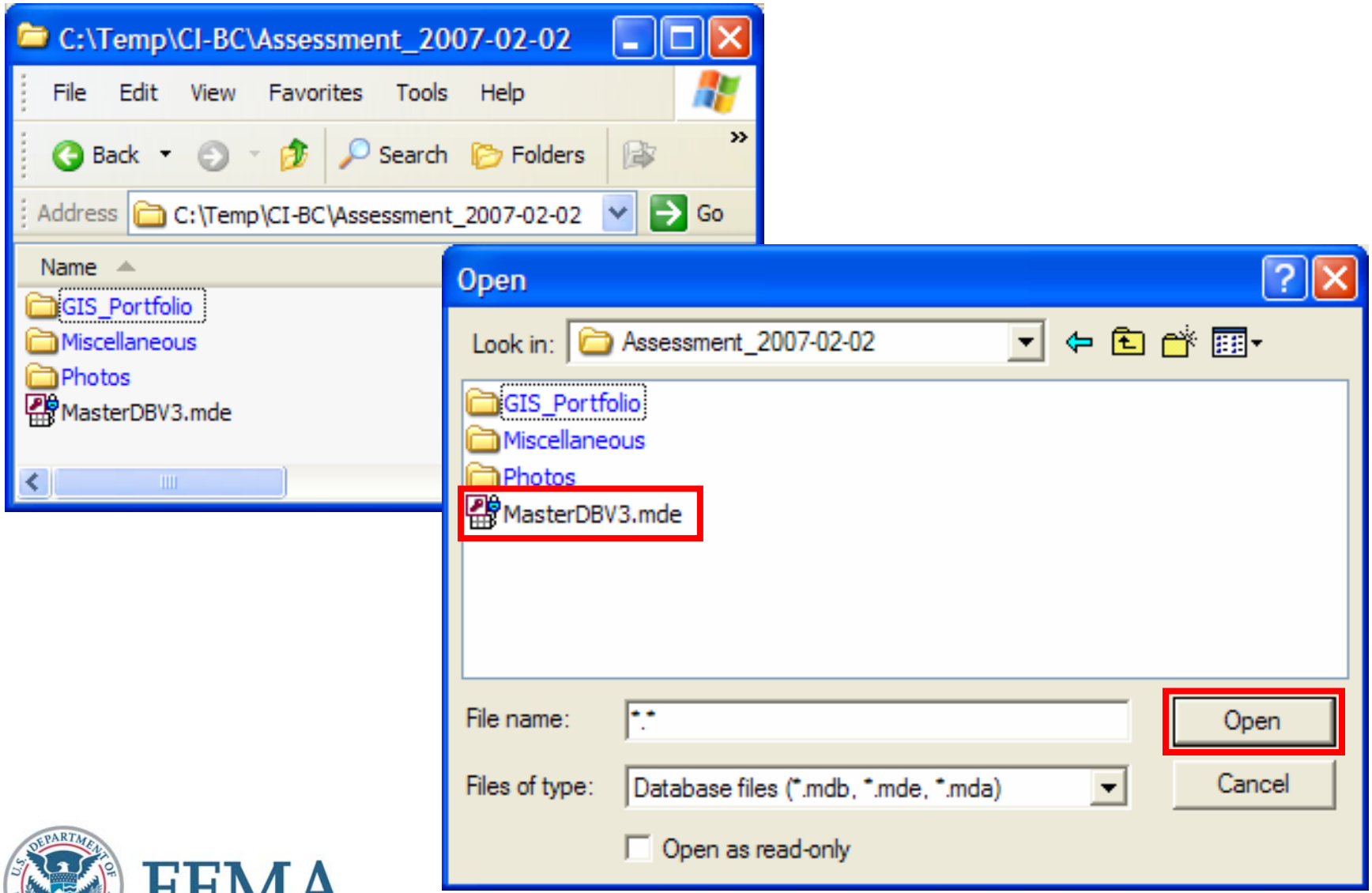
Import Assessments

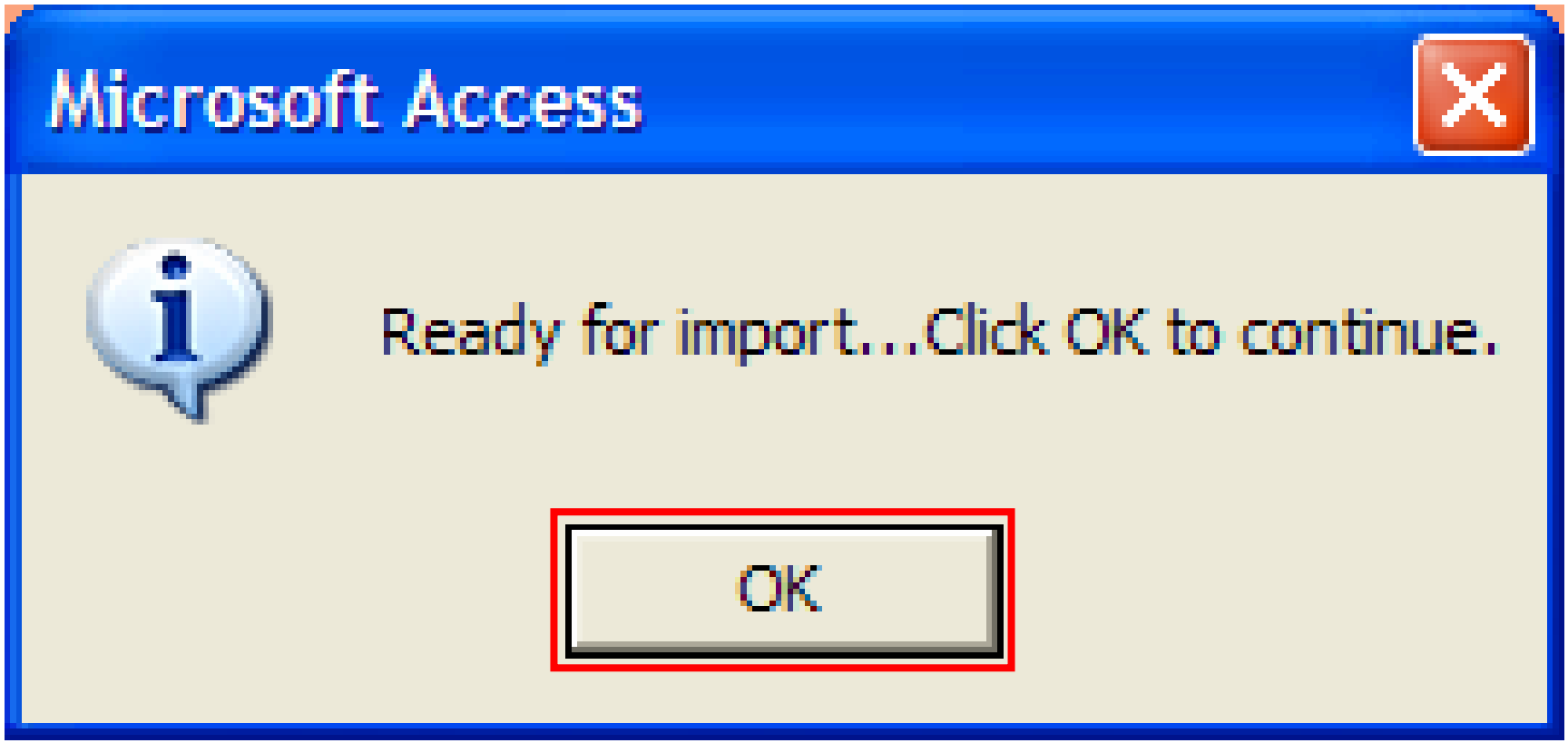


FEMA

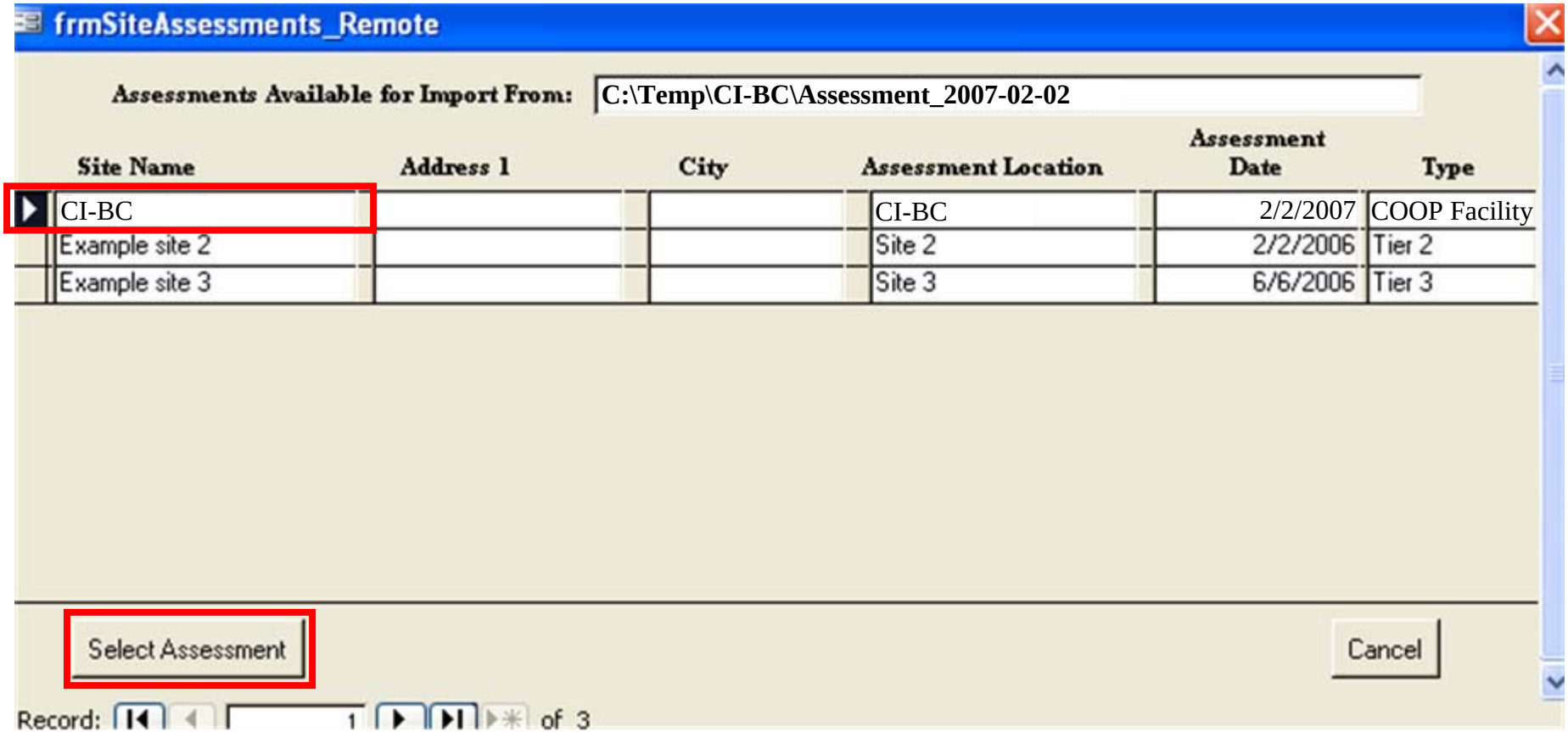
Import Assessments

FEMA

Import Assessments



Import Assessments



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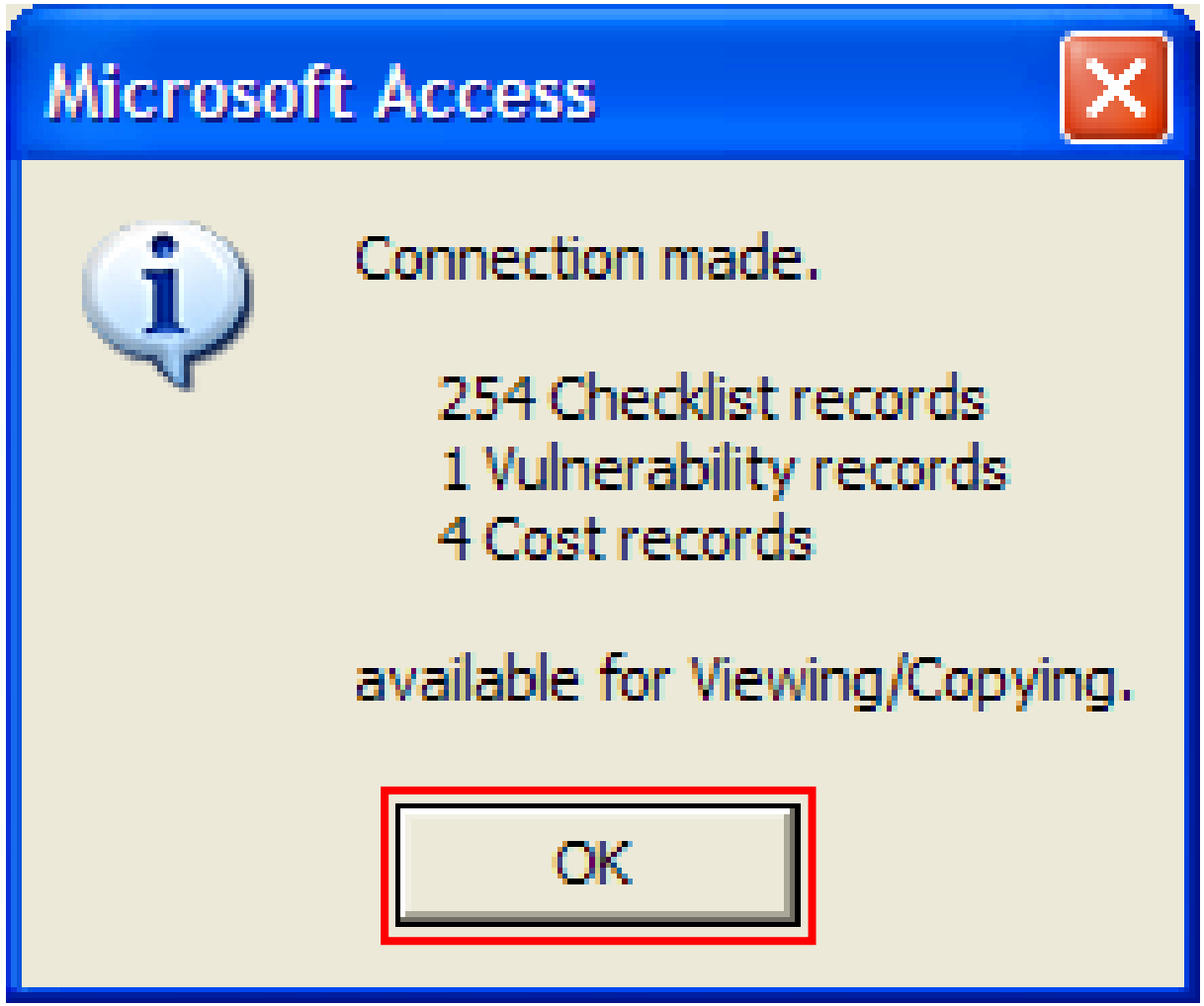
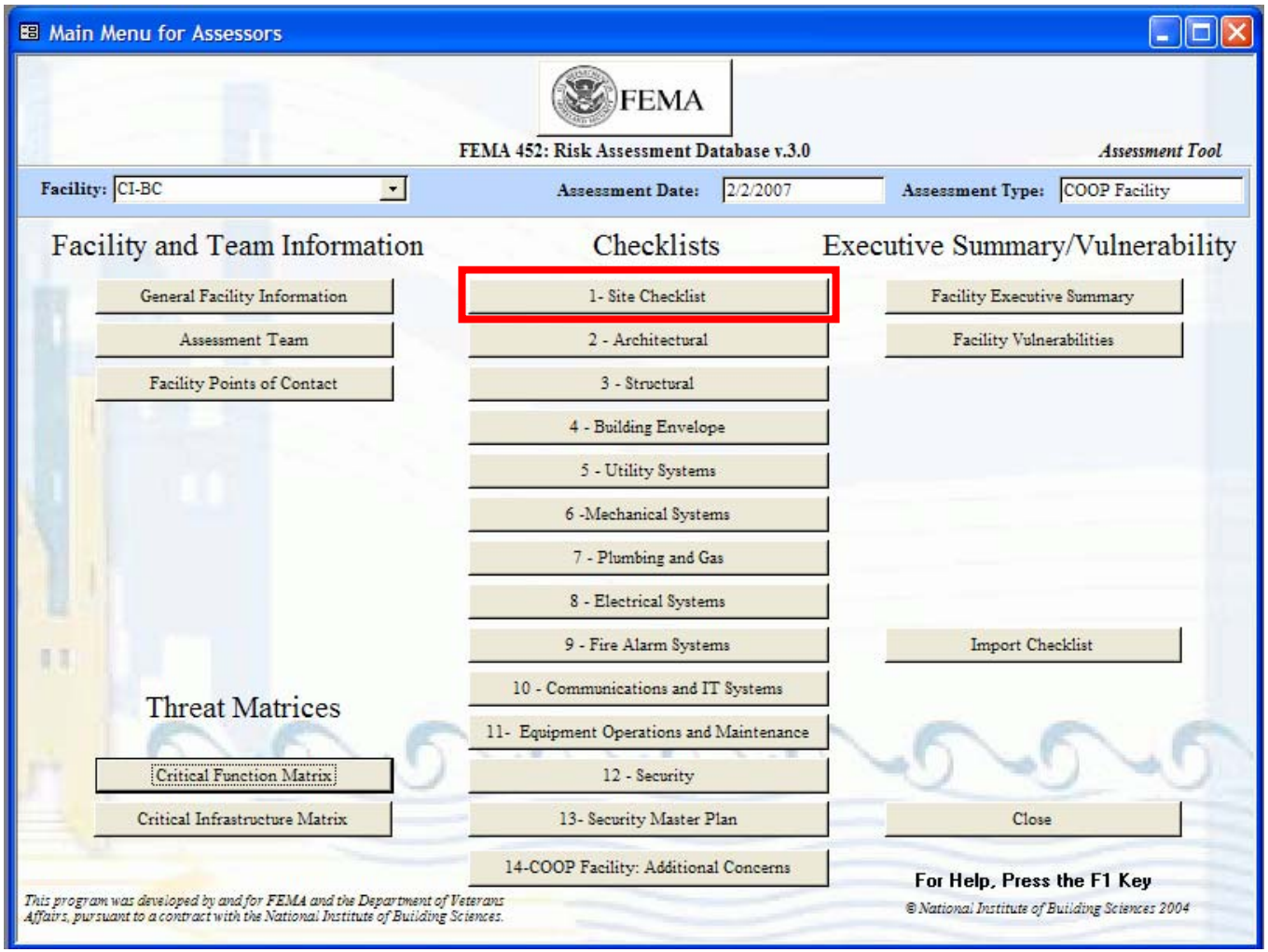
Import Assessments



FEMA

Assessment Team Import Function



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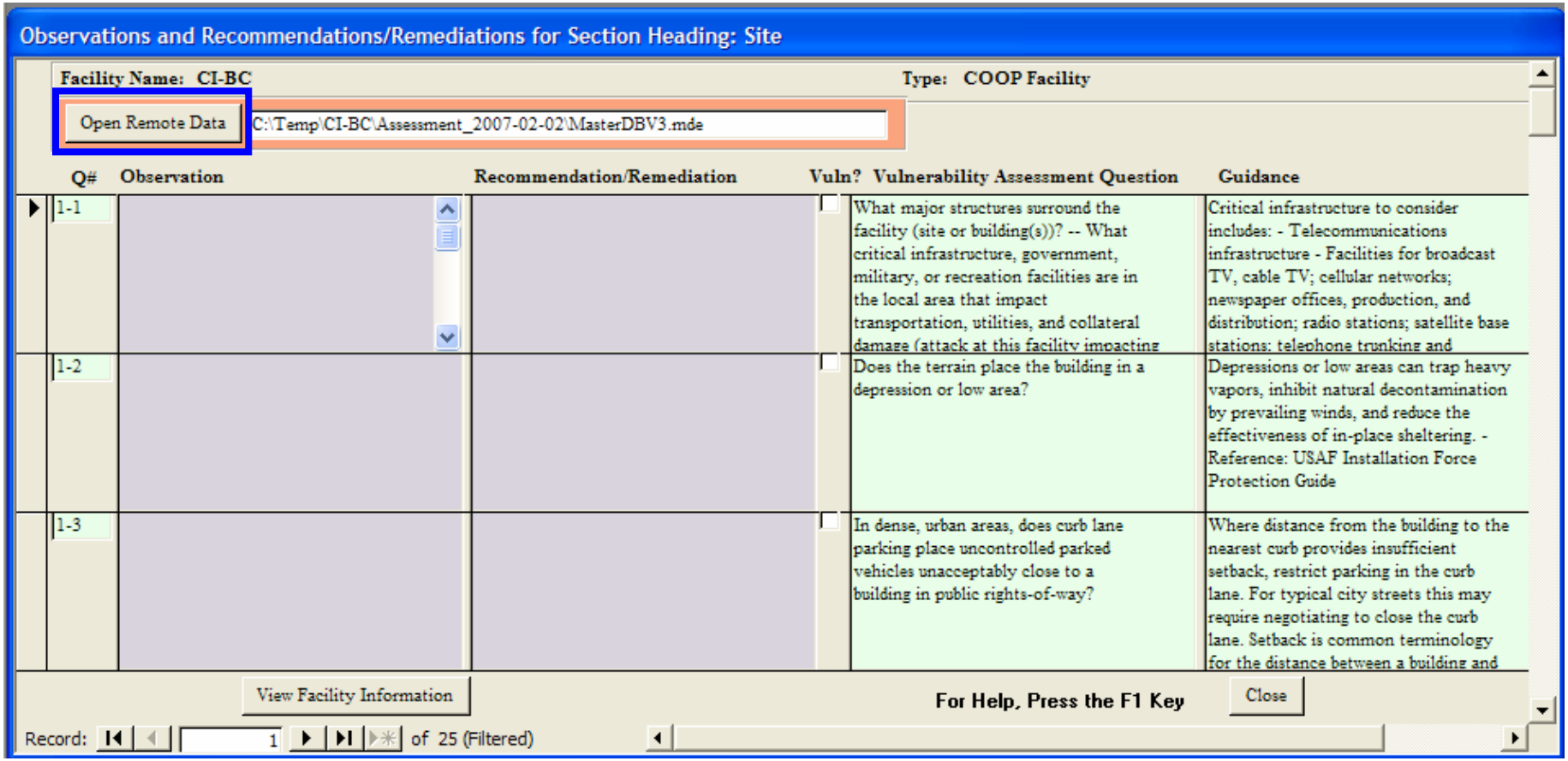
Assessment Team Import Function



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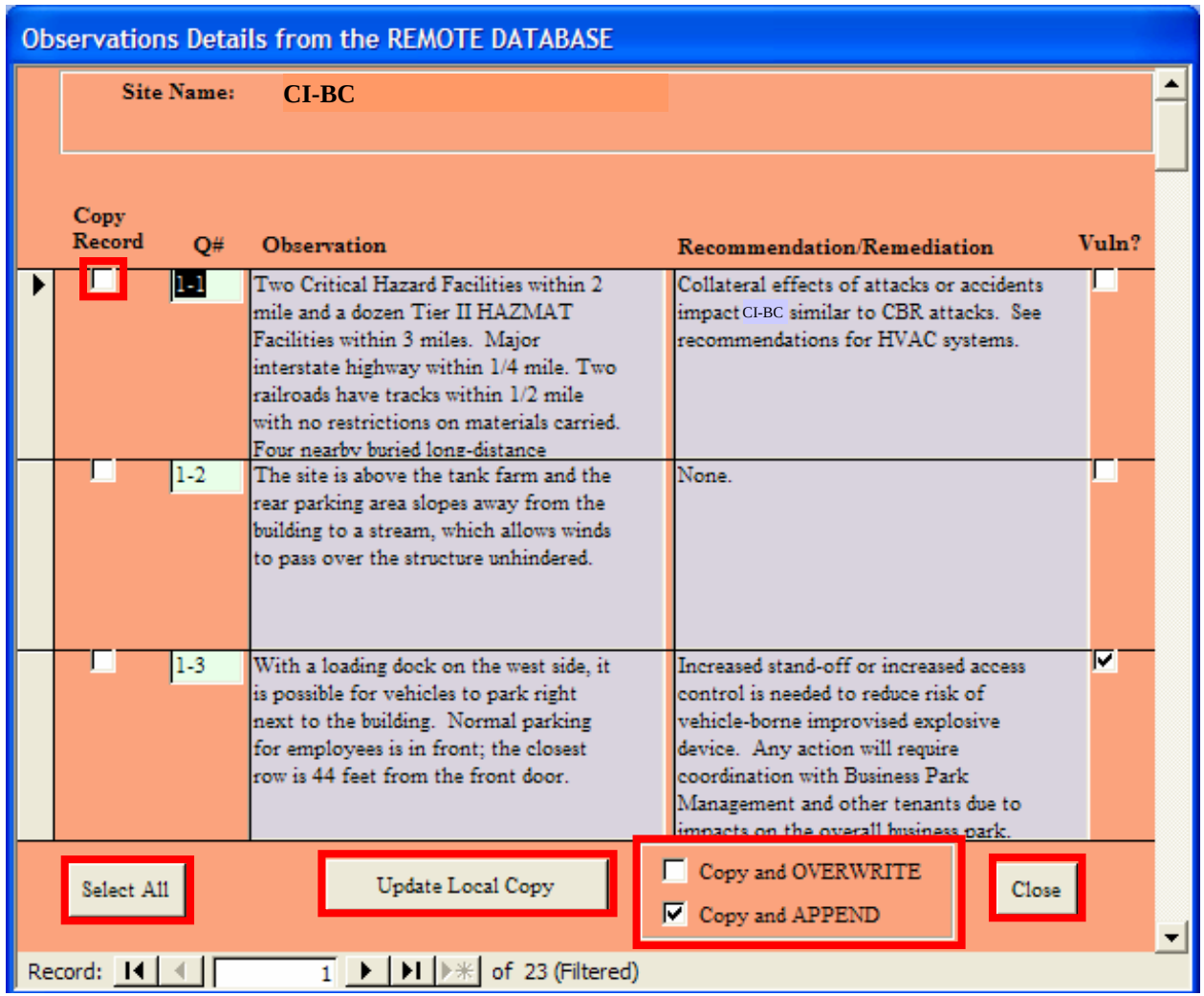
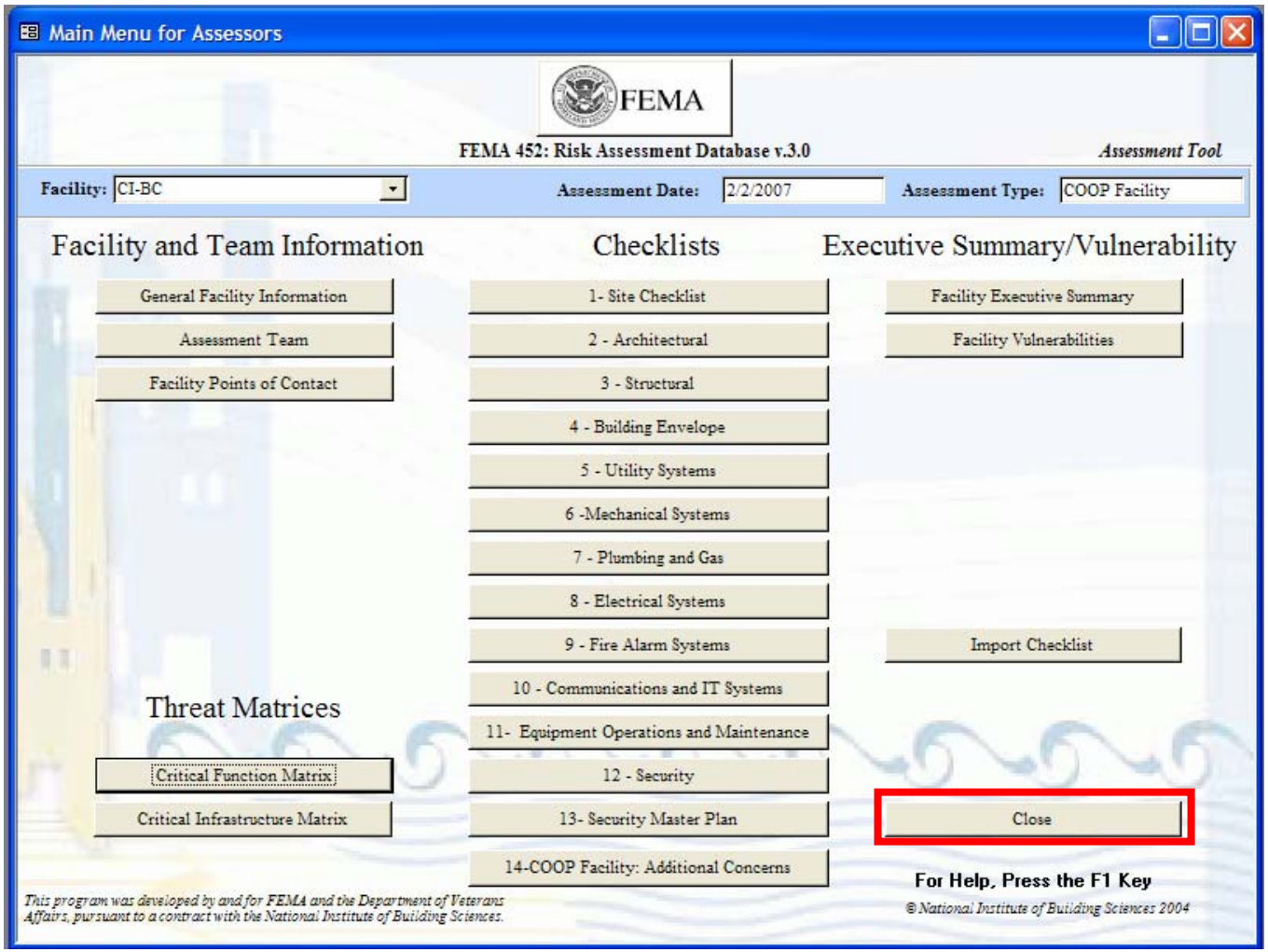
Assessment Team Import Function



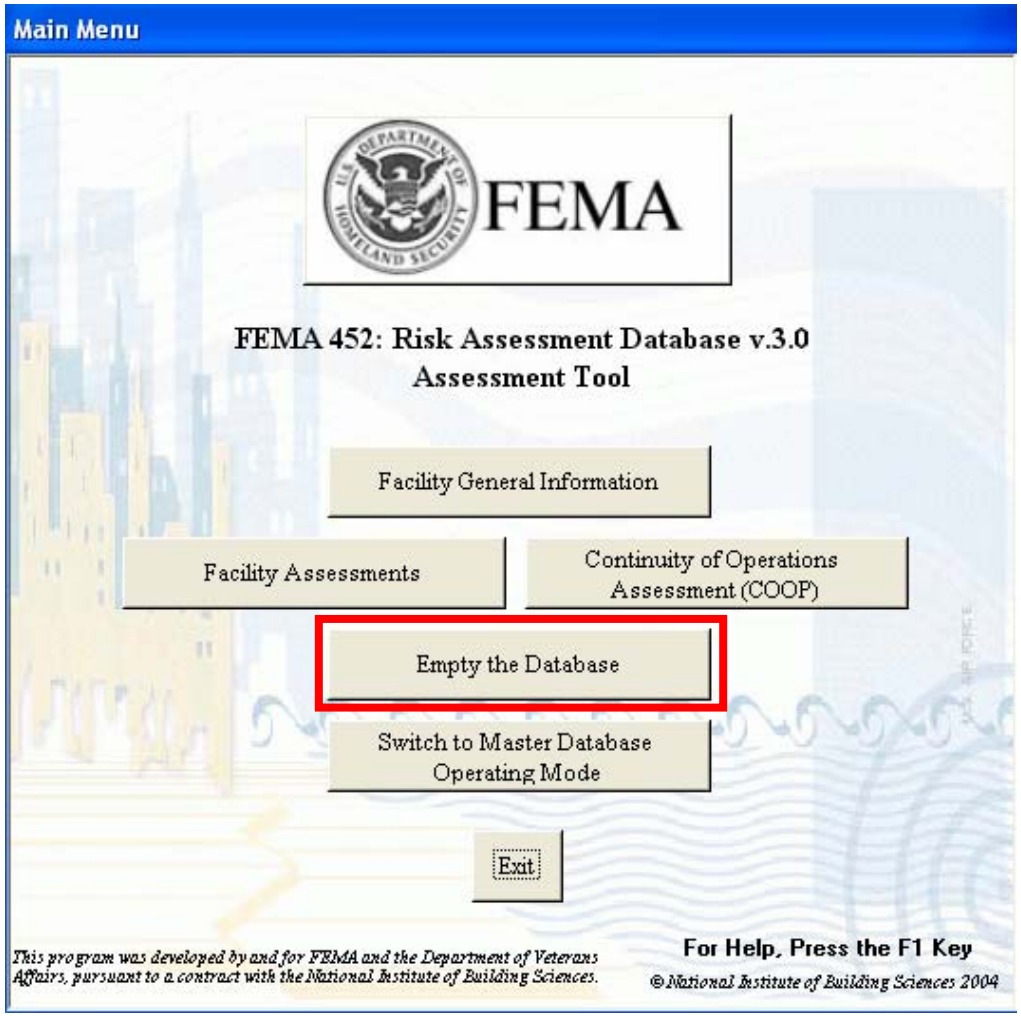
FEMA

Close Assessment Tool



FEMA

Empty Database



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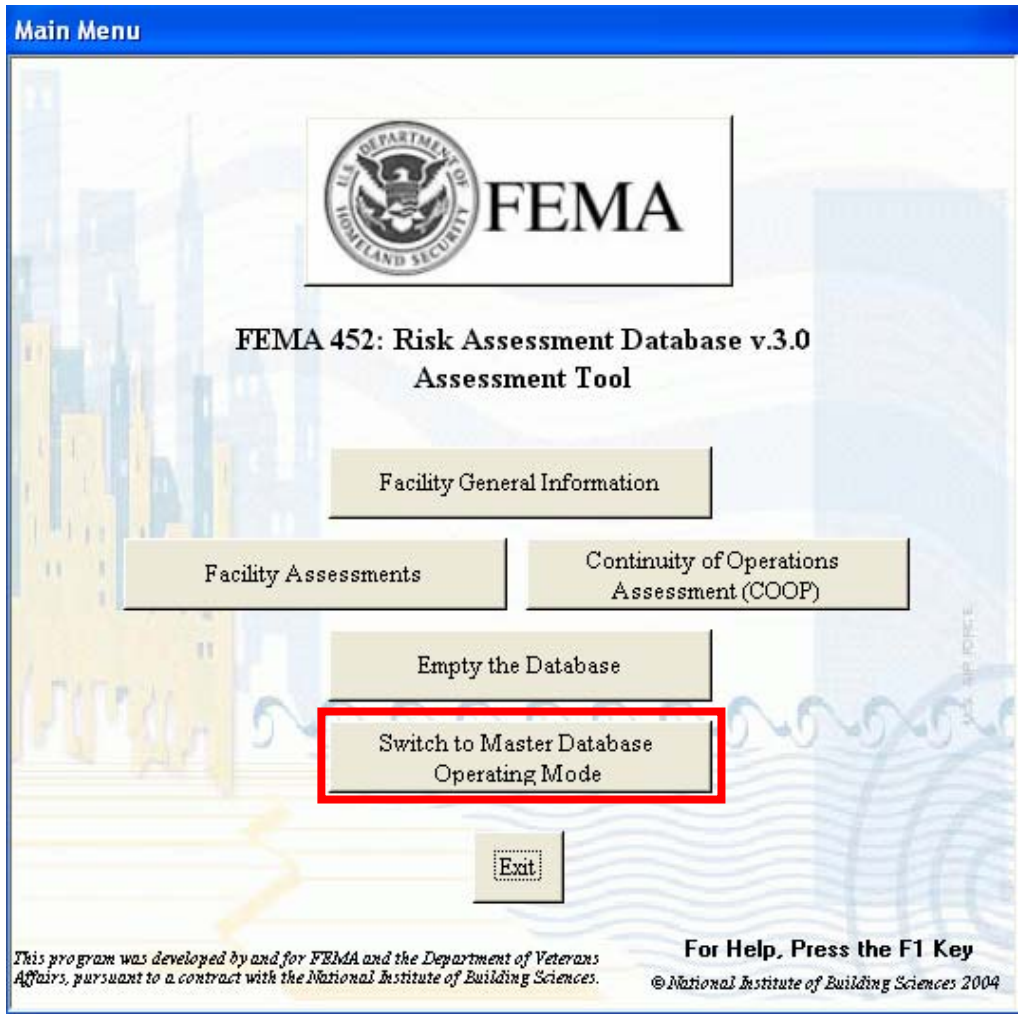
Switch to Master Database



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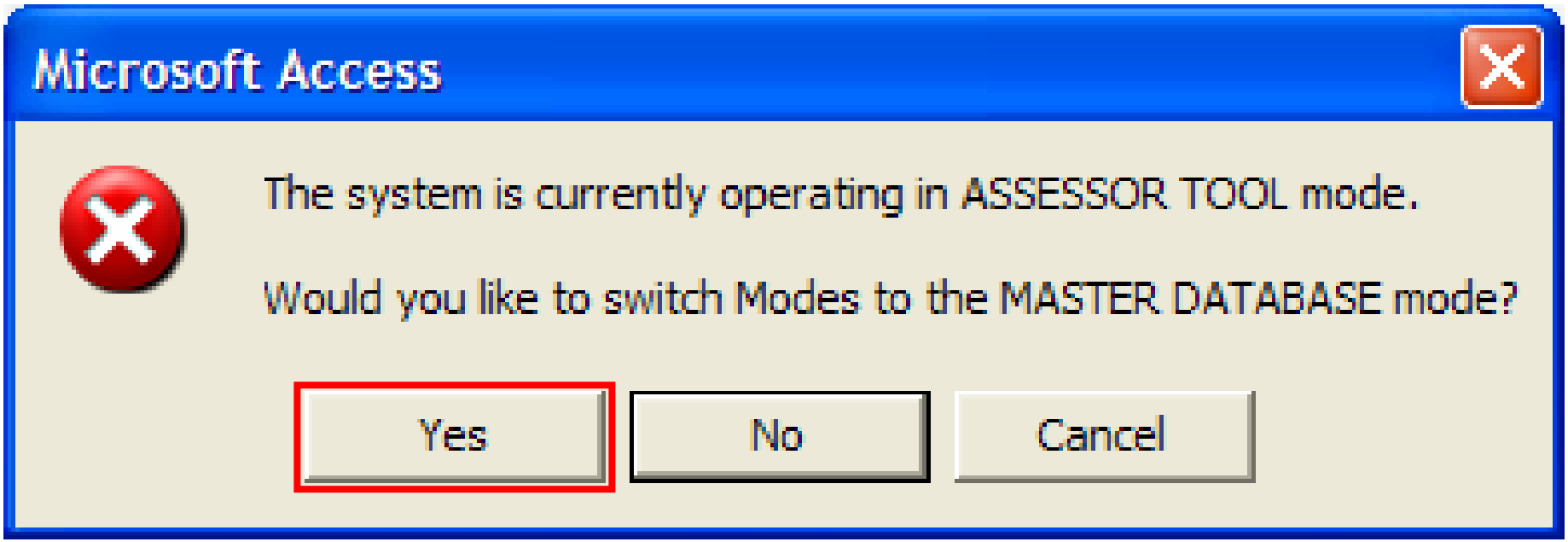
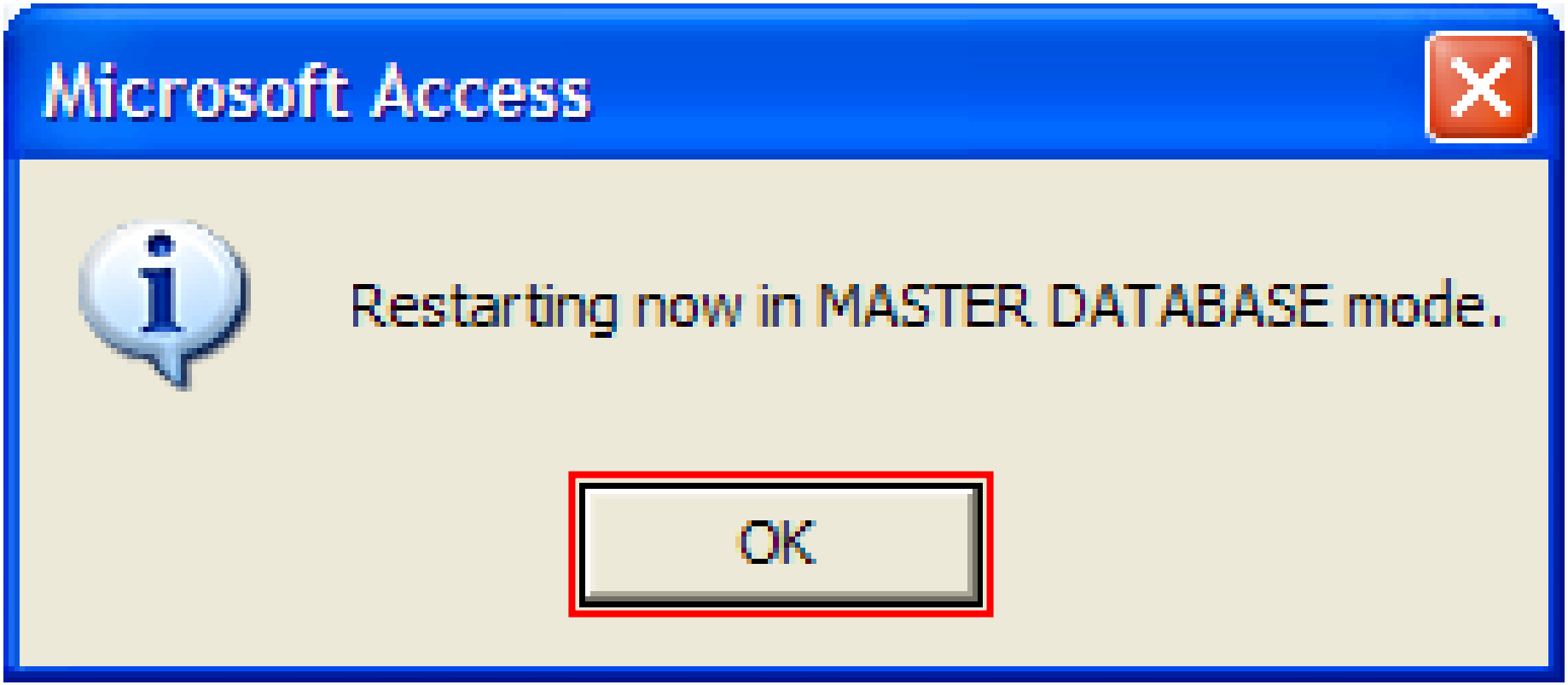
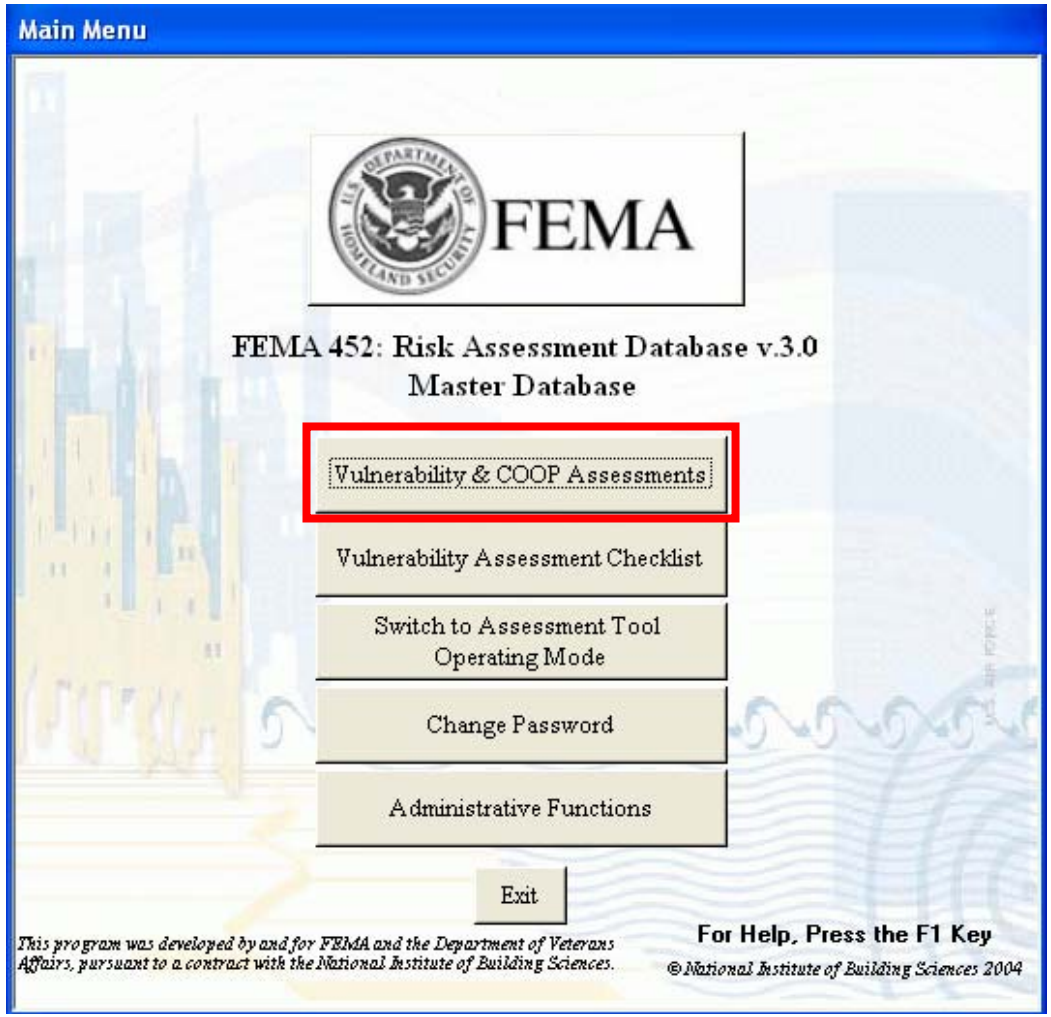


Switch to Master Database

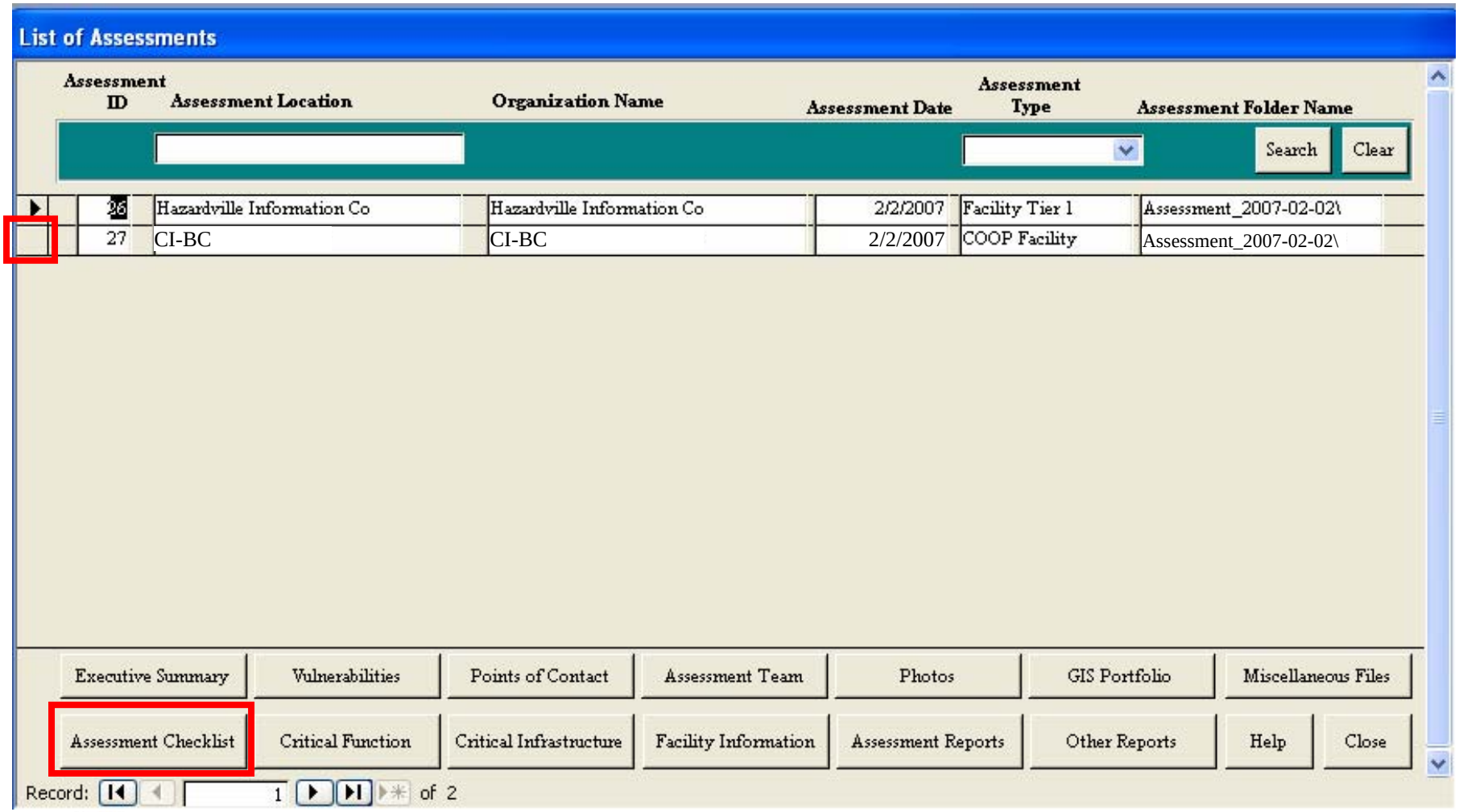


Master Database Mode



FEMA

View Checklists



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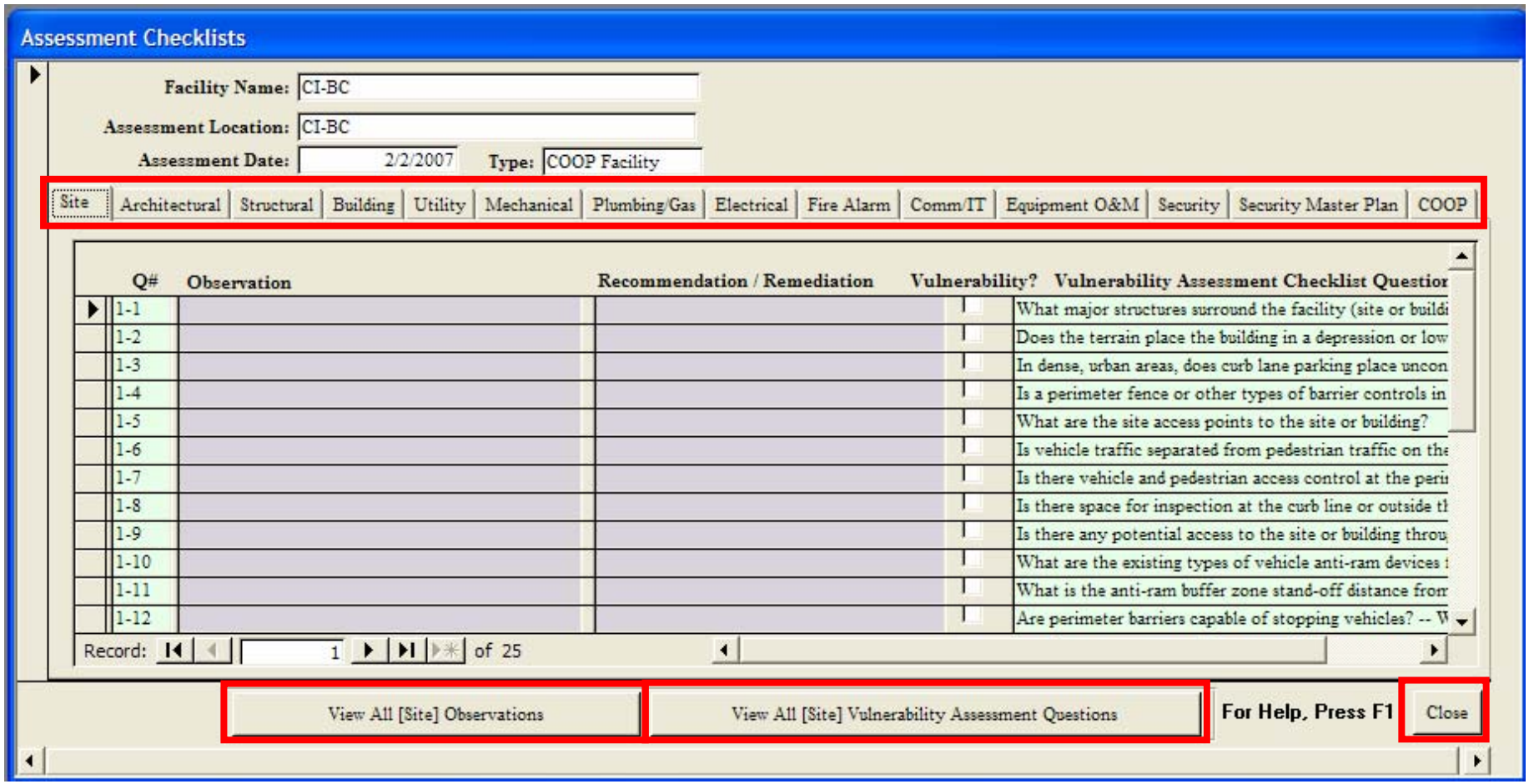
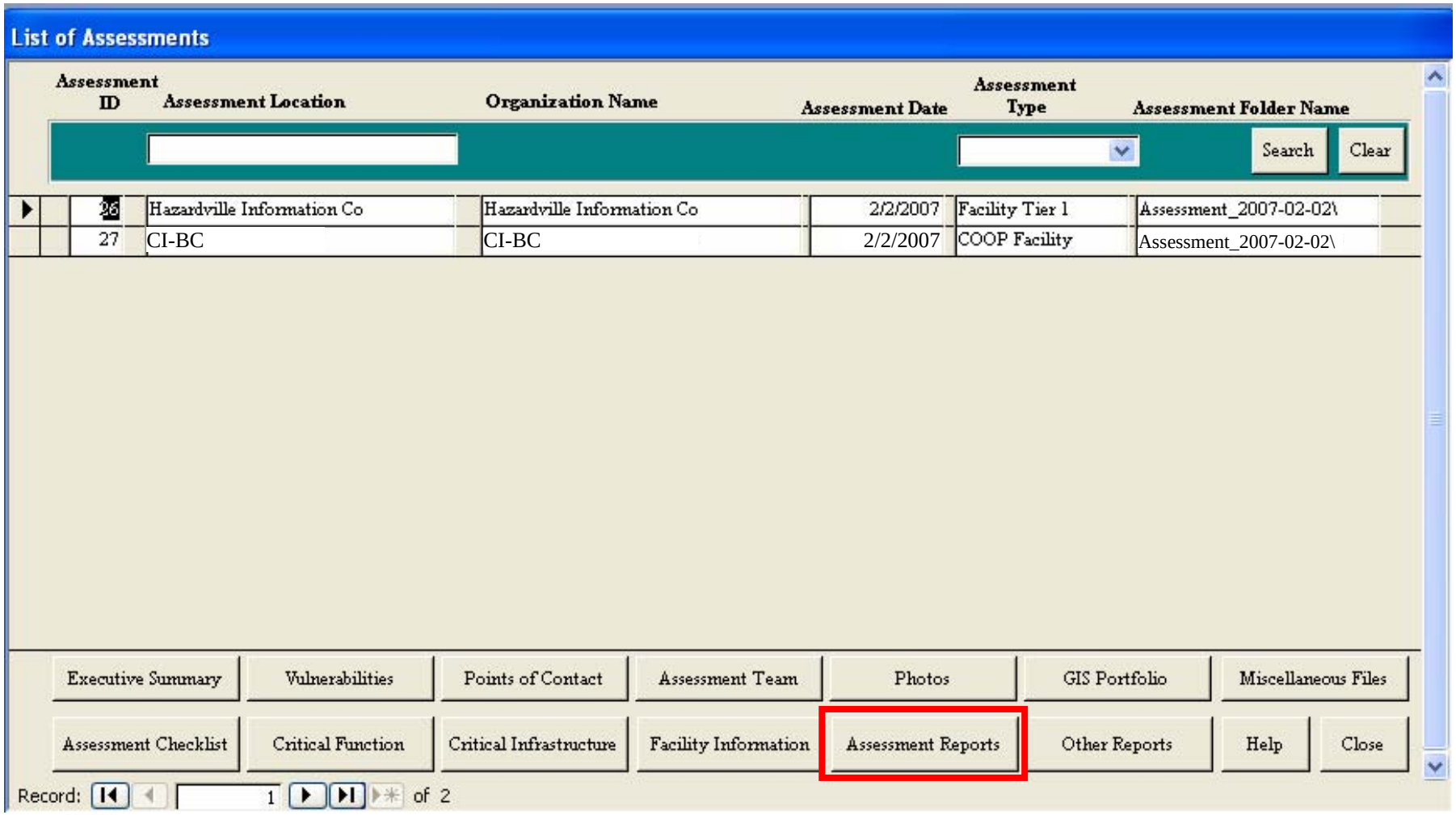
View Checklists



FEMA

Reports



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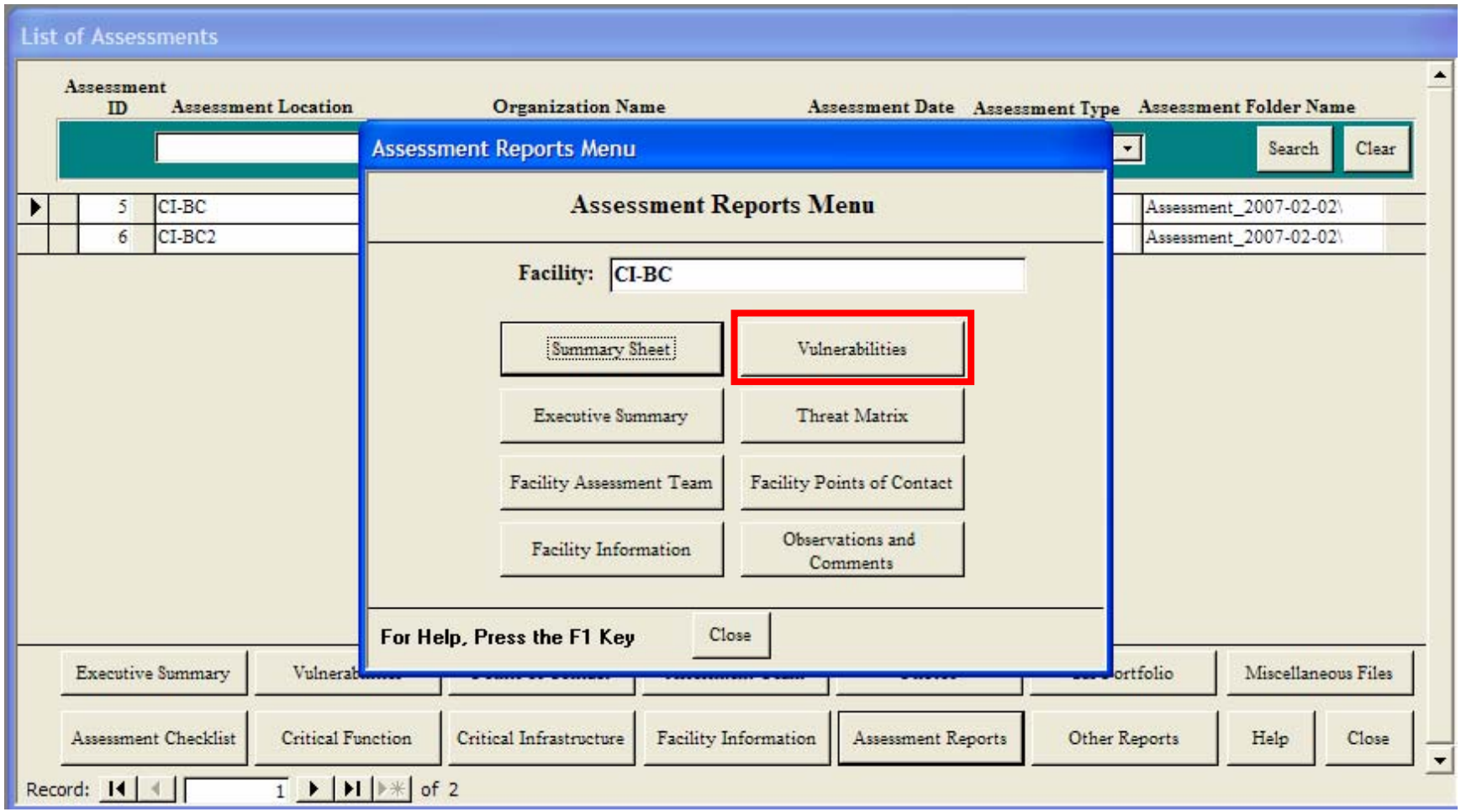
Reports



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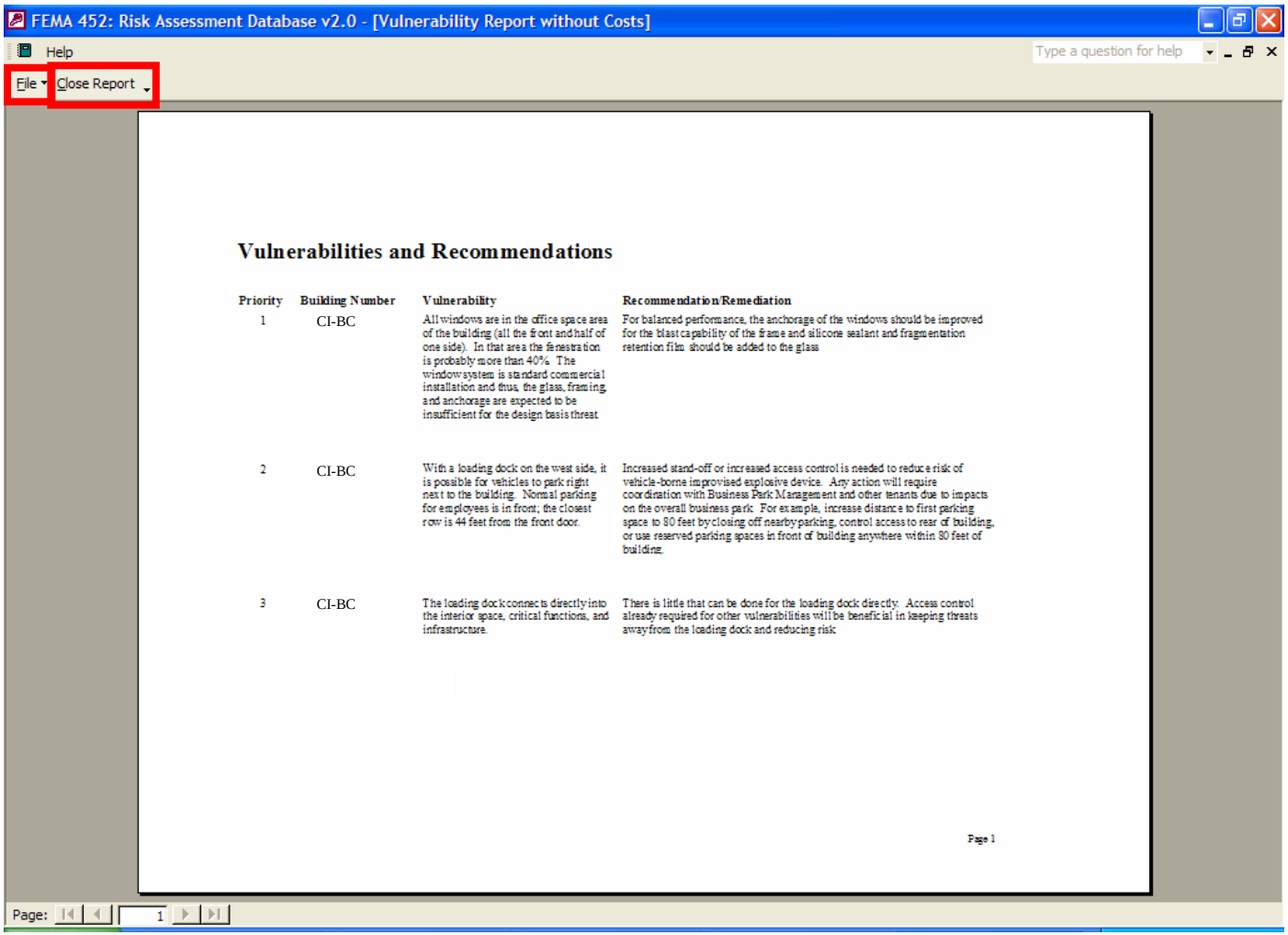

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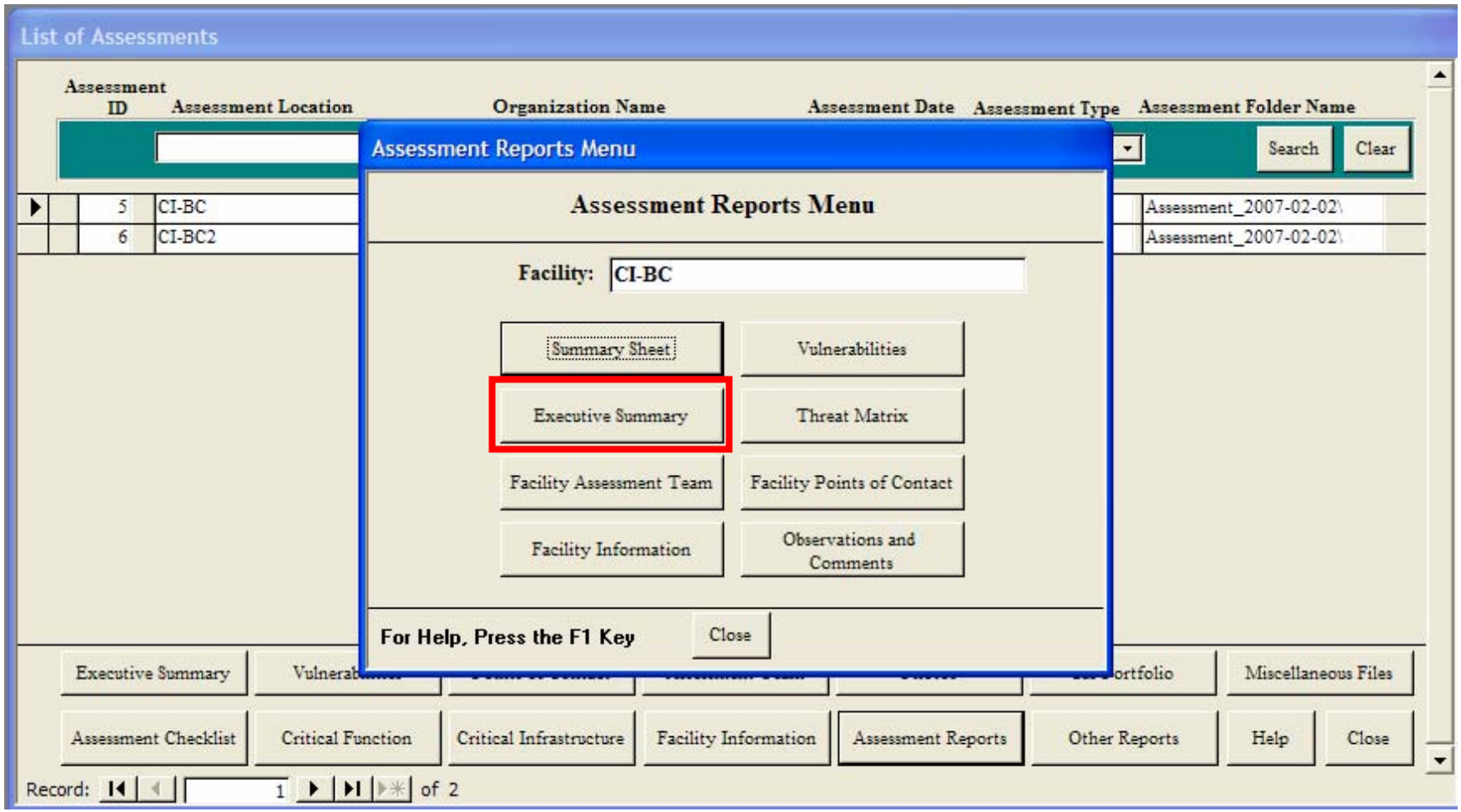

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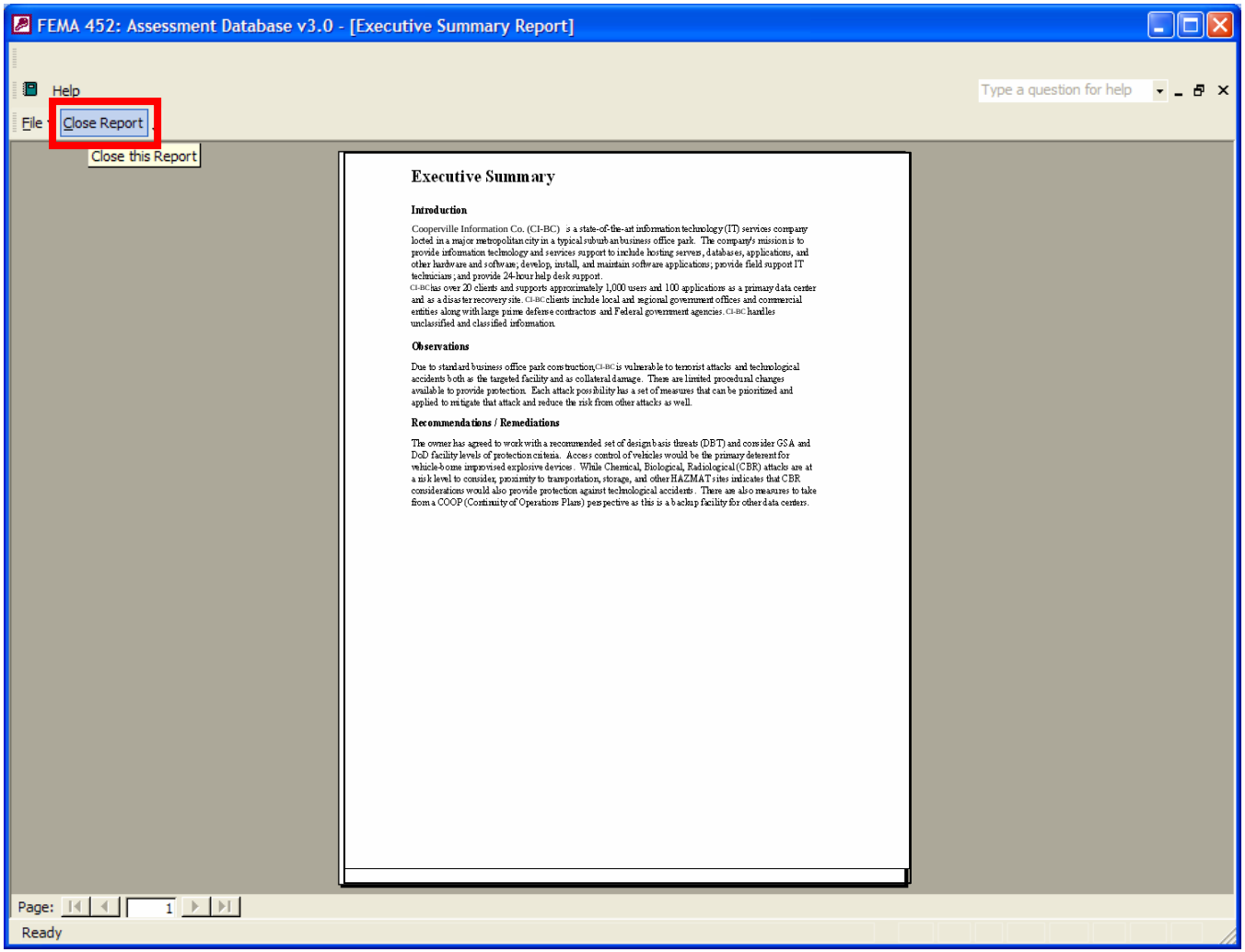

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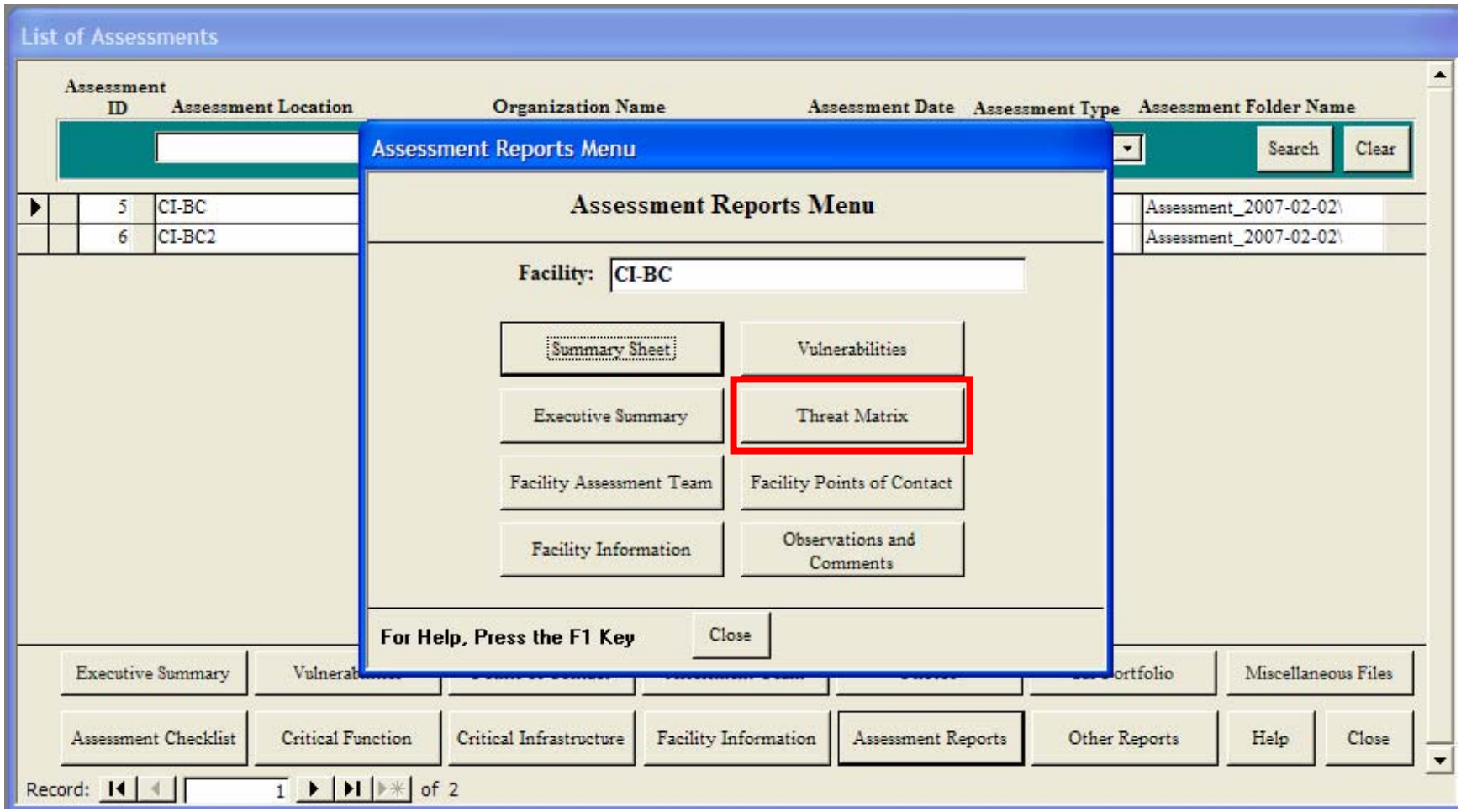
Reports



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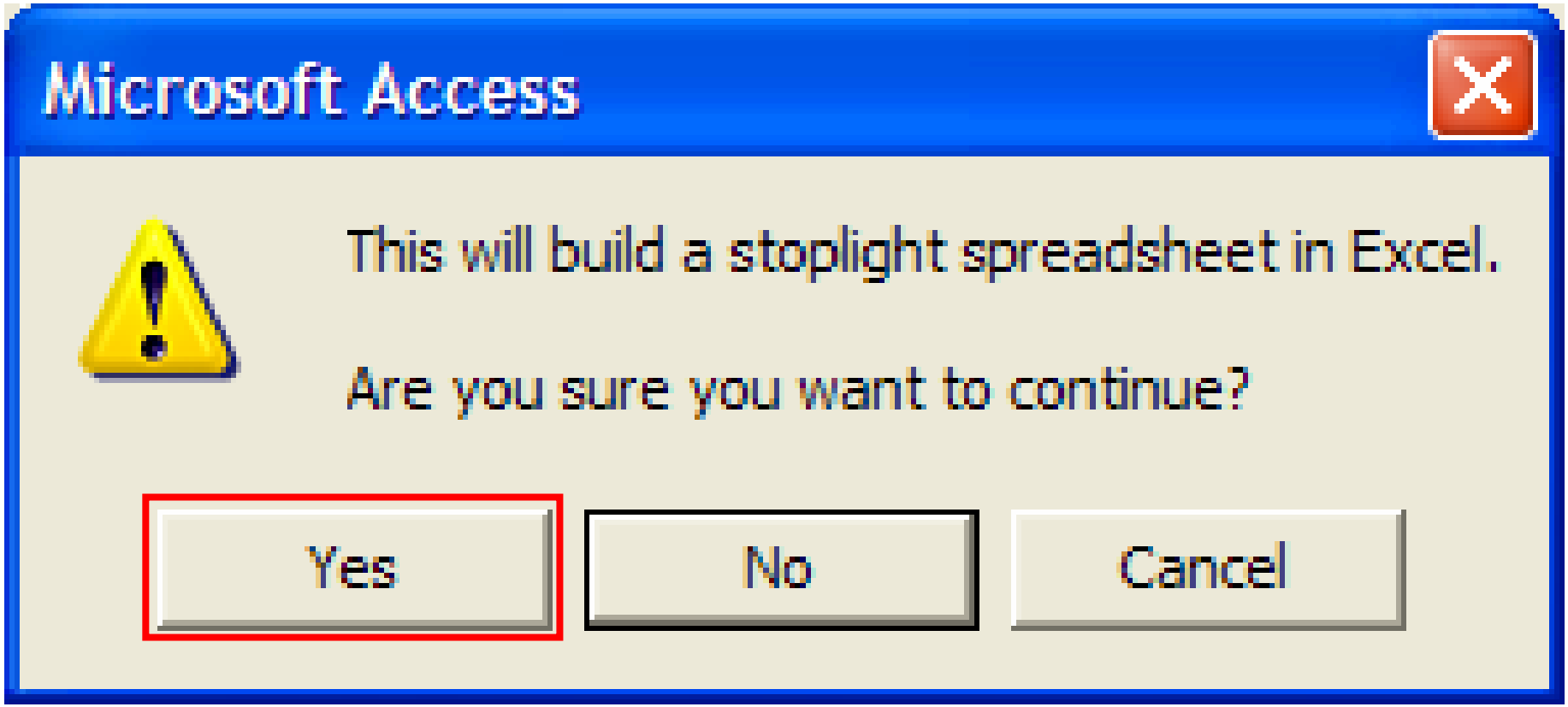
Reports


Microsoft Access
This will build a stoplight spreadsheet in Excel.
Are you sure you want to continue?
Yes
No
Cancel

Threat Matrix

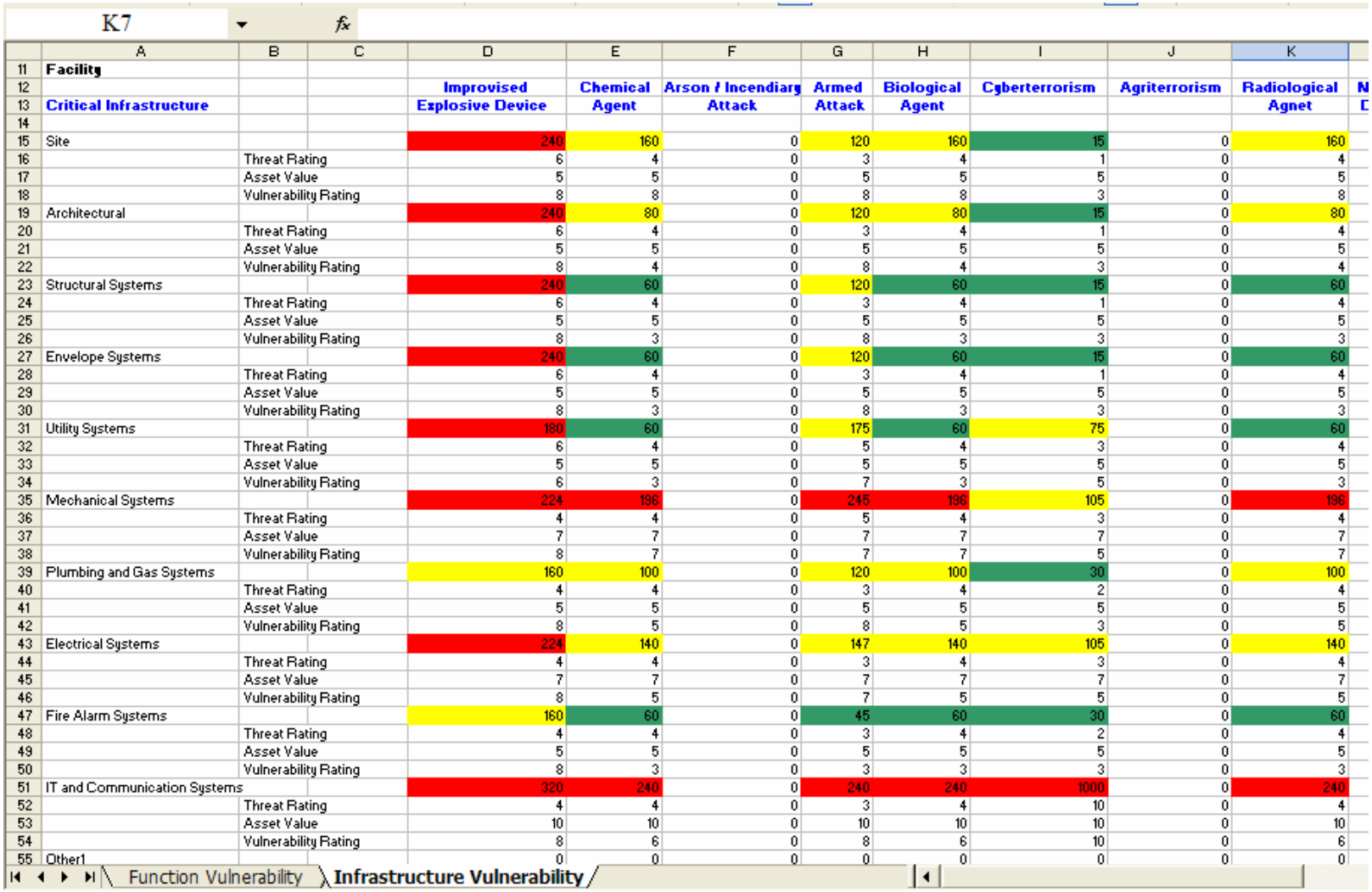
L54 fx 0

	A	B	D	E	F	G	H	I	J	K
10		1 5 10								
11	**Facility**									
12			**Improvised**	**Chemical**	**Arson / Incendiary**	**Armed**	**Biological**	**Cyberterrorism**	**Agriterrorism**	**Radiological**
13	**Core Process/Function**		**Explosive Device**	**Agent**	**Attack**	**Attack**	**Agent**			**Agnet**
14										
15	Administration		192	128	0	96	128	192	0	128
16		Threat Rating	6	4	0	3	4	6	0	4
17		Asset Value	4	4	0	4	4	4	0	4
18		Vulnerability Rating	8	8	0	8	8	8	0	8
19	Engineering		240	160	0	120	160	200	0	160
20		Threat Rating	6	4	0	3	4	5	0	4
21		Asset Value	5	5	0	5	5	5	0	5
22		Vulnerability Rating	8	8	0	8	8	8	0	8
23	Warehousing		240	160	0	45	160	50	0	160
24		Threat Rating	6	4	0	3	4	5	0	4
25		Asset Value	5	5	0	5	5	5	0	5
26		Vulnerability Rating	8	8	0	3	8	2	0	8
27	Data Center		480	320	0	90	320	810	0	320
28		Threat Rating	6	4	0	3	4	9	0	4
29		Asset Value	10	10	0	10	10	10	0	10
30		Vulnerability Rating	8	8	0	3	8	9	0	8
31	Food Service		0	0	0	0	0	0	0	0
32		Threat Rating	0	0	0	0	0	0	0	0
33		Asset Value	0	0	0	0	0	0	0	0
34		Vulnerability Rating	0	0	0	0	0	0	0	0
35	Security		336	224	0	63	224	105	0	224
36		Threat Rating	6	4	0	3	4	5	0	4
37		Asset Value	7	7	0	7	7	7	0	7
38		Vulnerability Rating	8	8	0	3	8	3	0	8
39	Housekeeping		48	32	0	3	32	2	0	32
40		Threat Rating	6	4	0	3	4	2	0	4
41		Asset Value	1	1	0	1	1	1	0	1
42		Vulnerability Rating	8	8	0	1	8	1	0	8
43	Day Care		0	0	0	0	0	0	0	0
44		Threat Rating	0	0	0	0	0	0	0	0
45		Asset Value	0	0	0	0	0	0	0	0
46		Vulnerability Rating	0	0	0	0	0	0	0	0
47	Communications		384	256	0	72	256	320	0	256
48		Threat Rating	6	4	0	3	4	5	0	4
49		Asset Value	8	8	0	8	8	8	0	8
50		Vulnerability Rating	8	8	0	3	8	8	0	8
51	Other 2		0	0	0	0	0	0	0	0
52		Threat Rating	0	0	0	0	0	0	0	0
53		Asset Value	0	0	0	0	0	0	0	0
54		Vulnerability Rating	0	0	0	0	0	0	0	0

Function Vulnerability | Infrastructure Vulnerability

FEMA

Threat Matrix



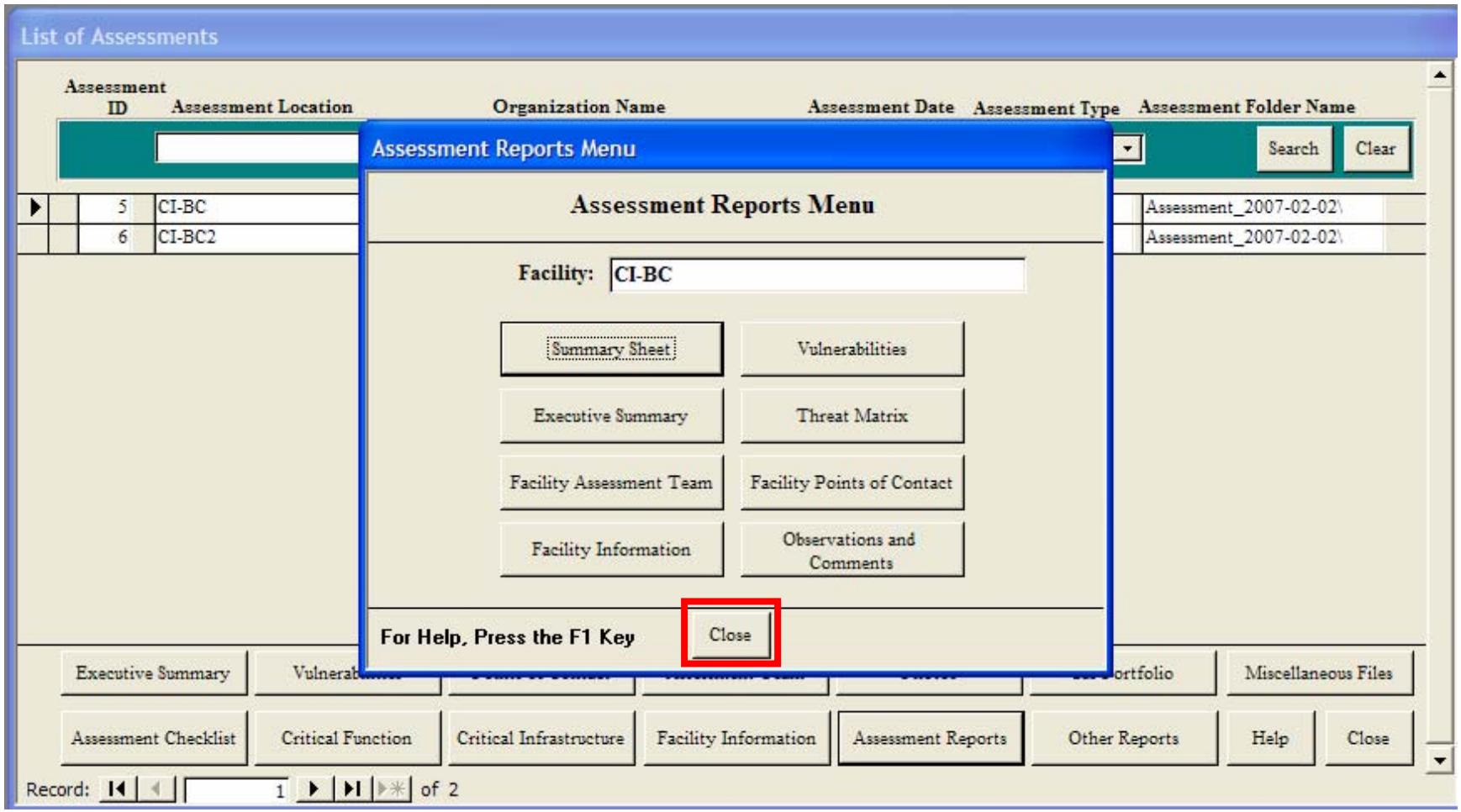
K7

	A	B	C	D	E	F	G	H	I	J	K
11	**Facility**										
12				**Improvised**	**Chemical**	**Arson / Incendiary**	**Armed**	**Biological**	**Cyberterrorism**	**Agriterrorism**	**Radiological**
13	**Critical Infrastructure**			**Explosive Device**	**Agent**	**Attack**	**Attack**	**Agent**			**Agnet**
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

Function Vulnerability | **Infrastructure Vulnerability**

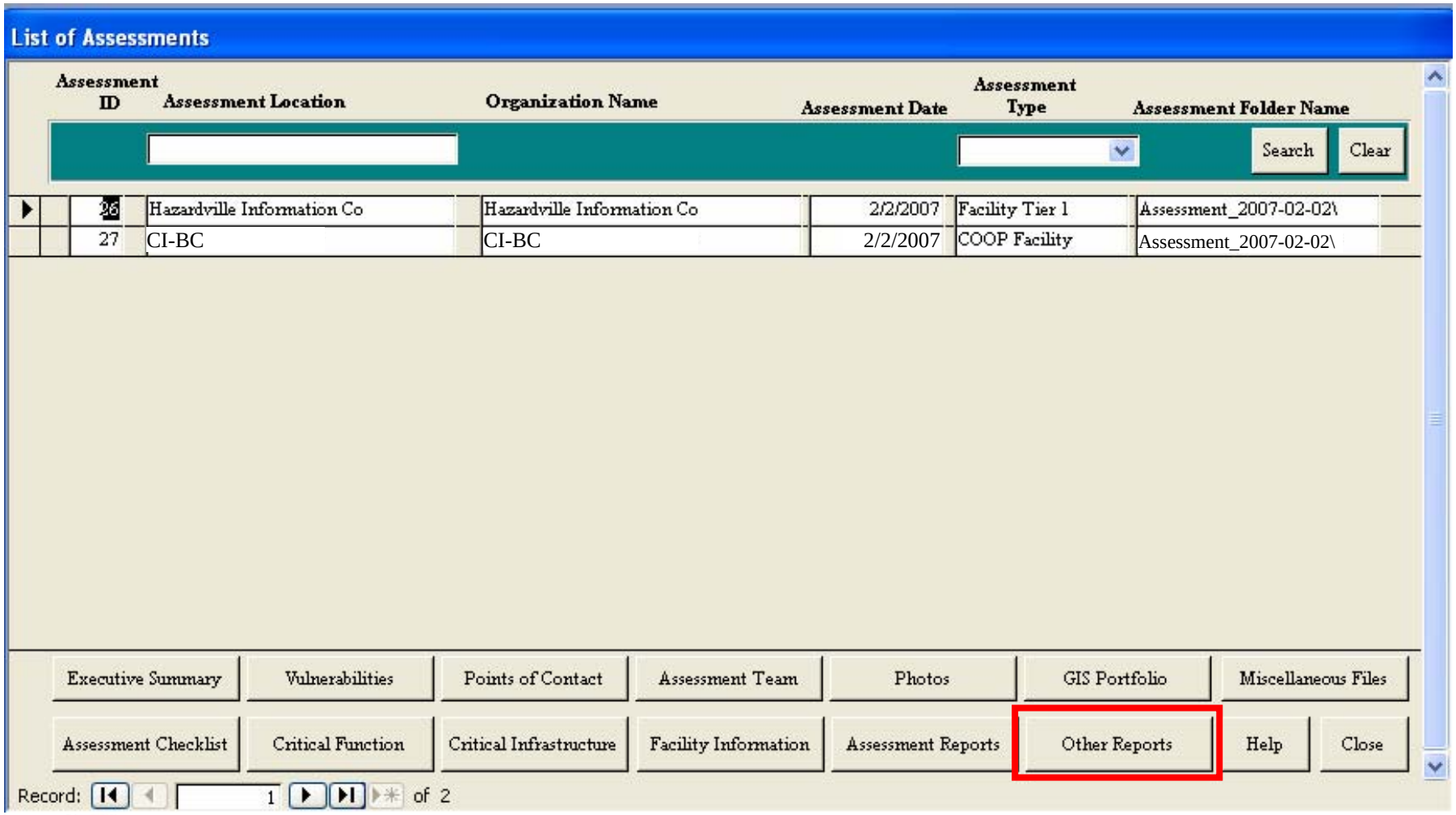
FEMA

Other Reports



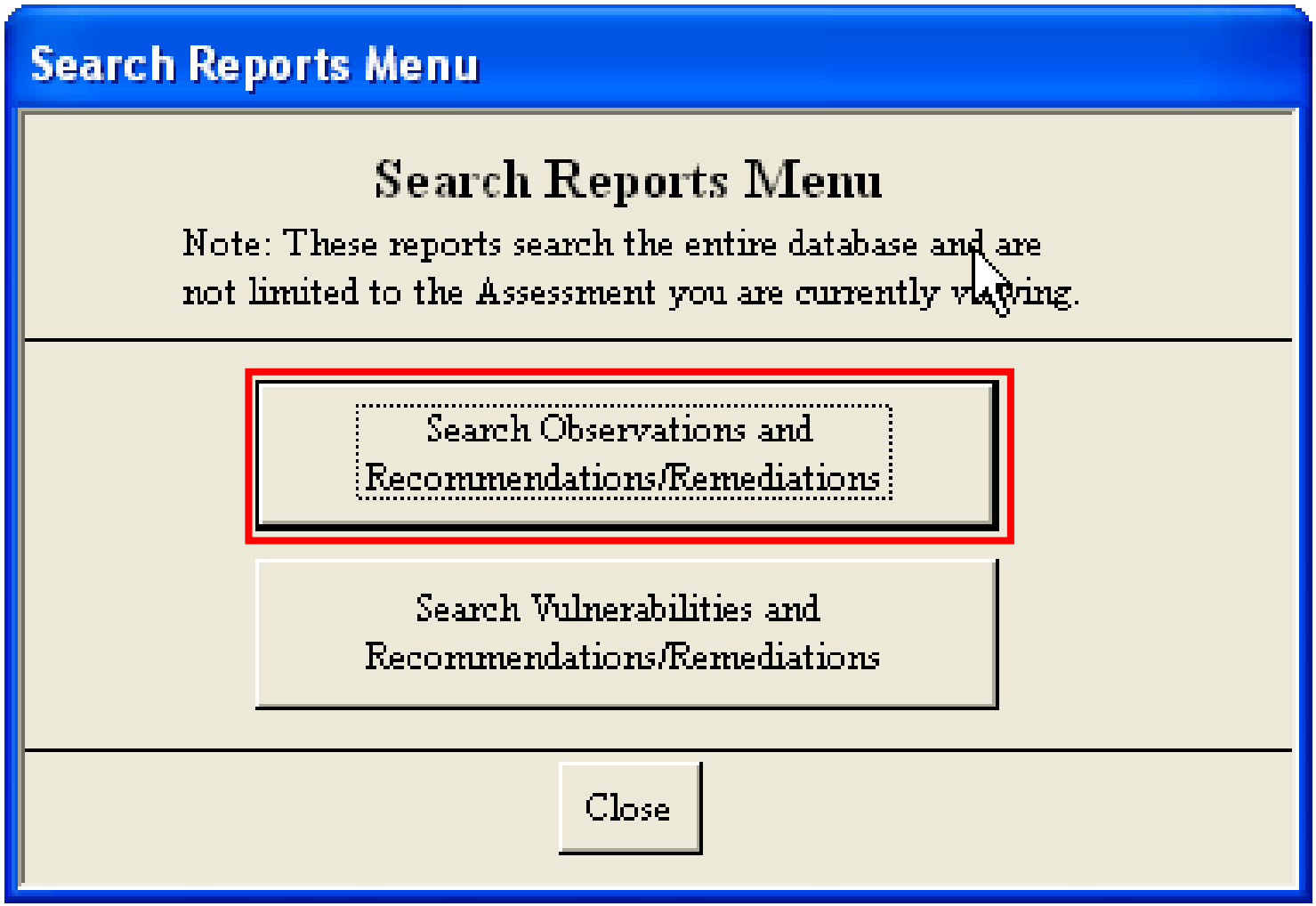
FEMA

Other Reports

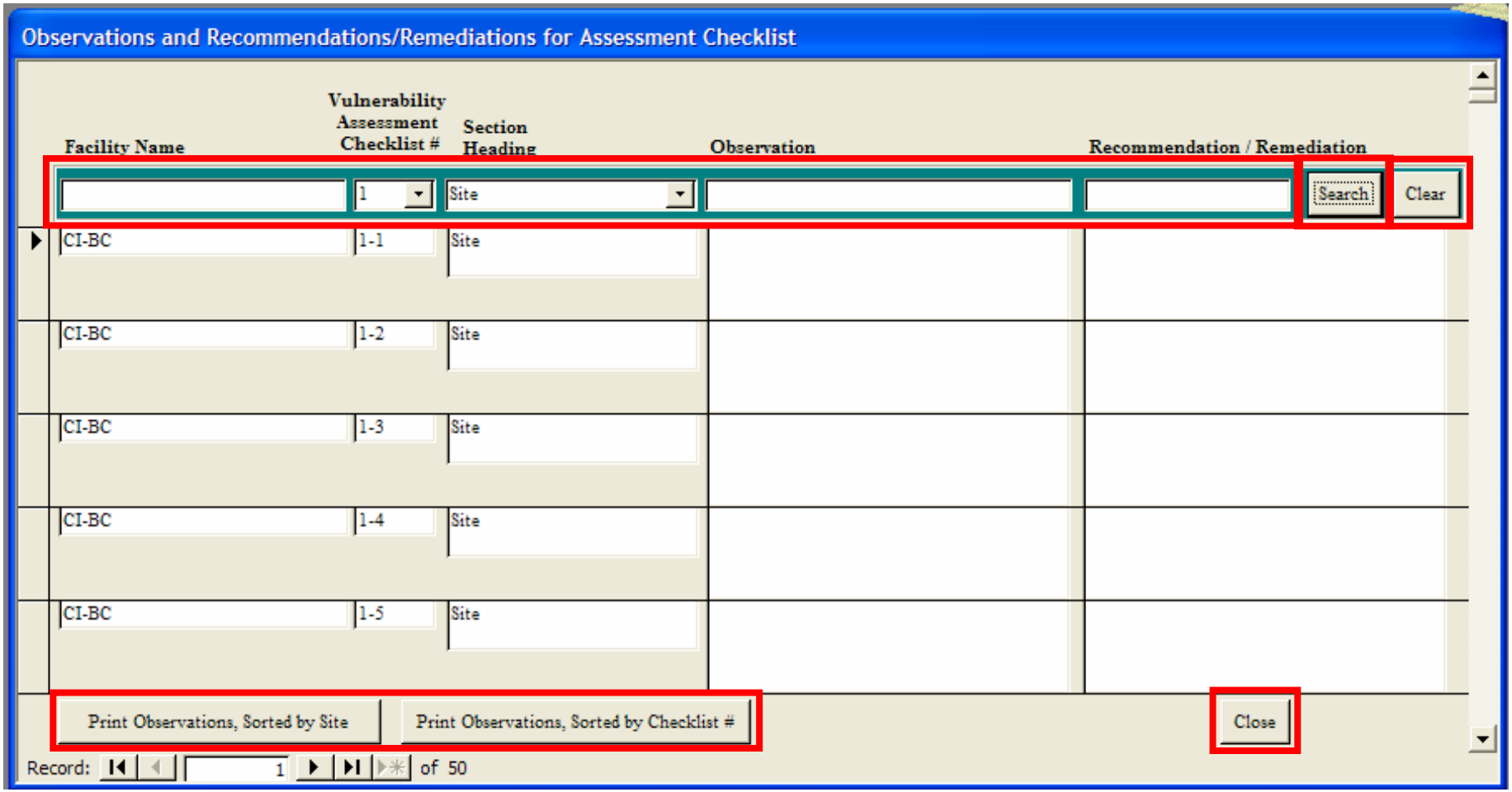


FEMA

Other Reports



Other Reports



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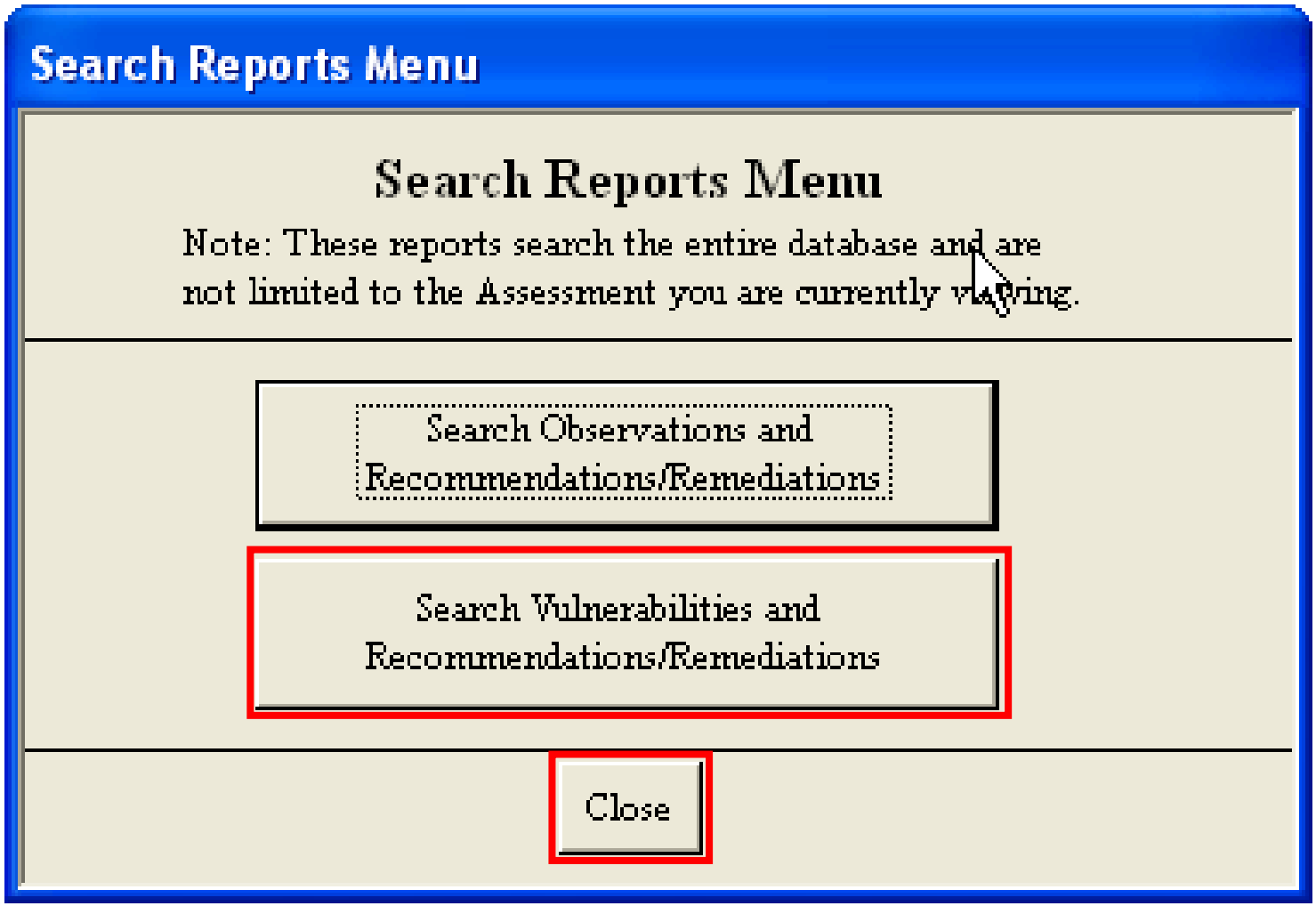
Other Reports



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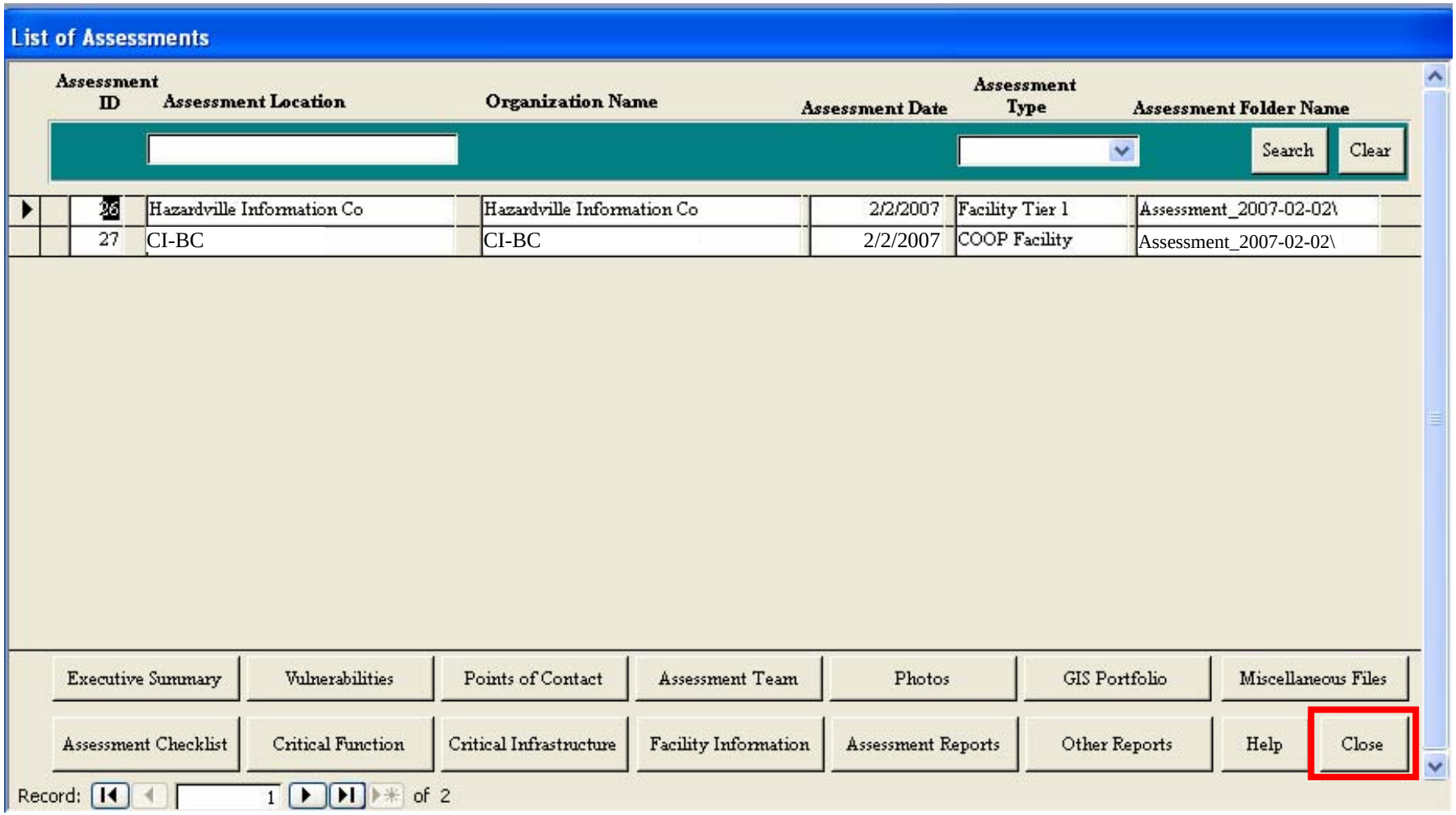
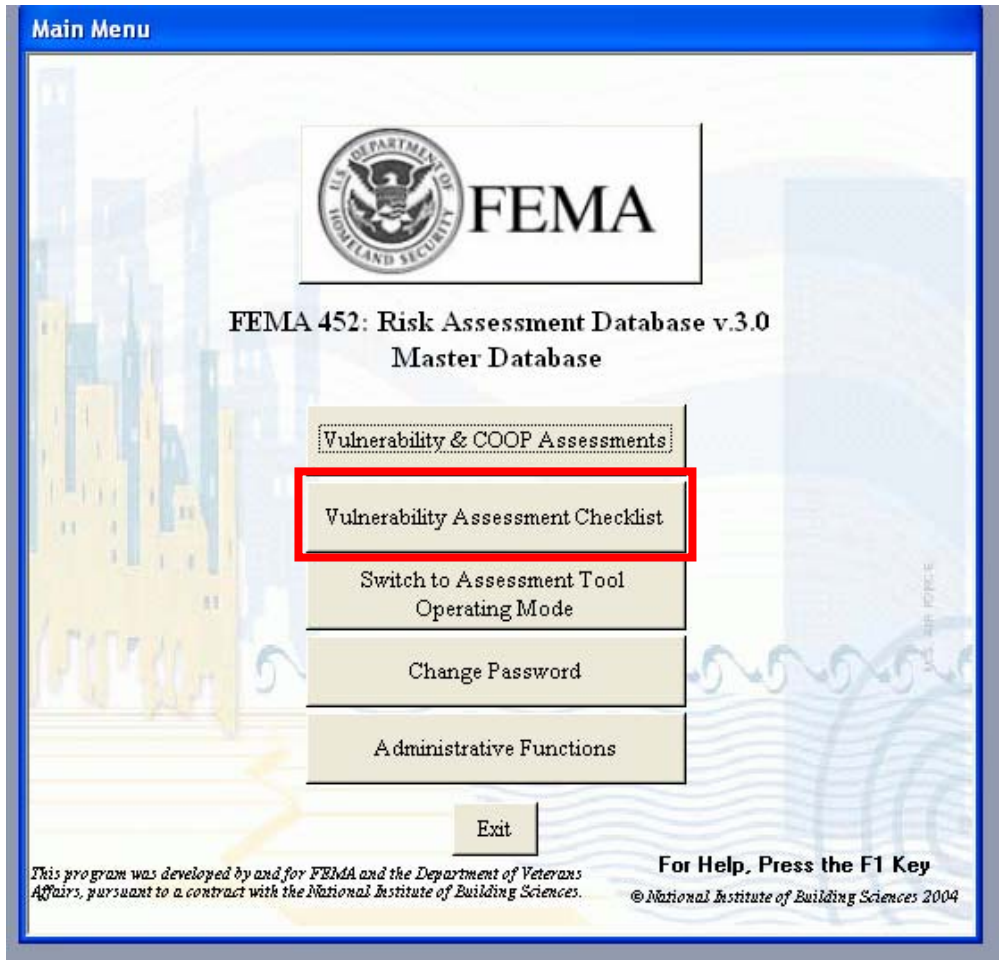
Other Reports



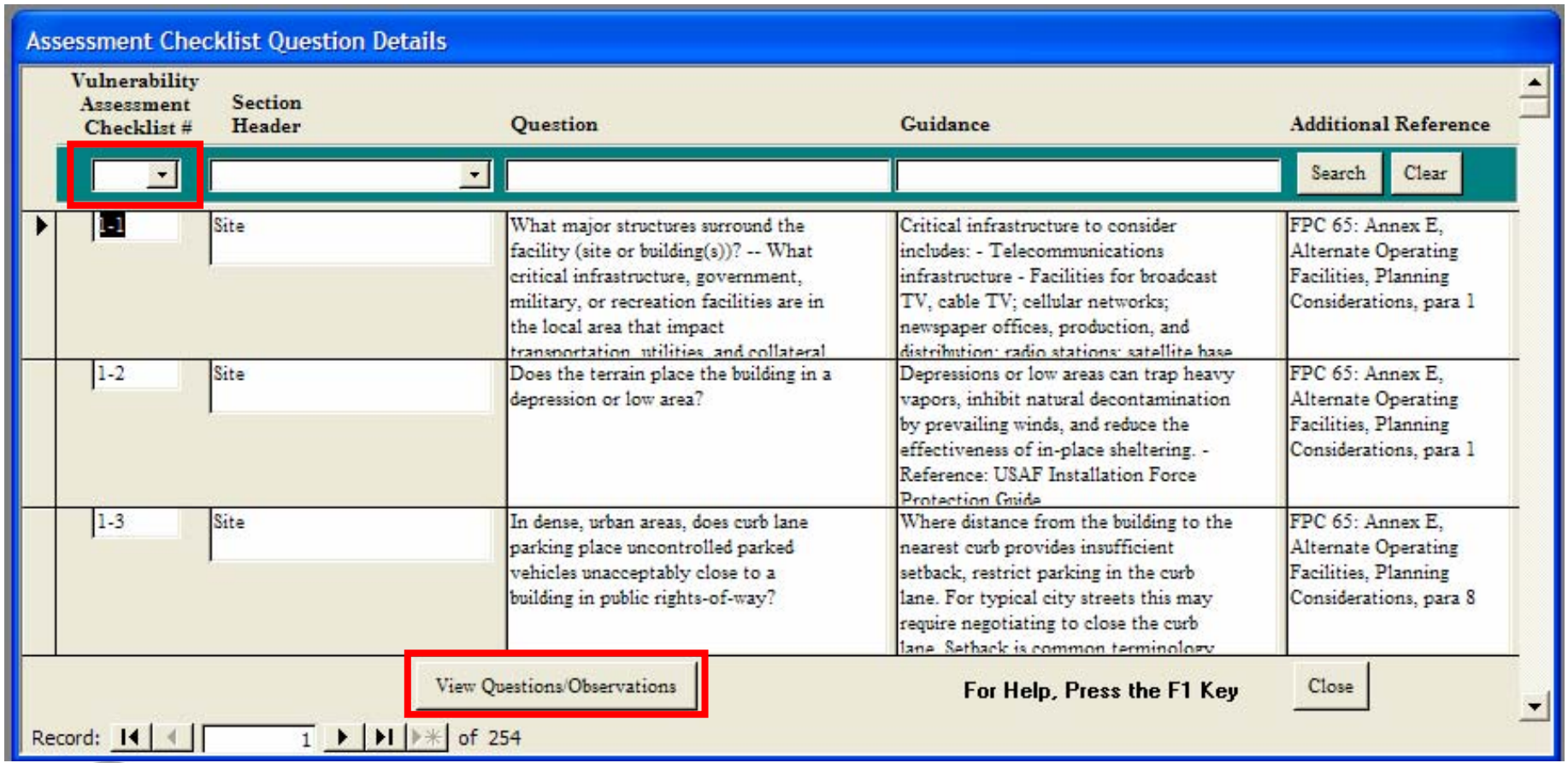
FEMA

Master Database



FEMA

Vulnerability Assessment Checklist Search



FEMA

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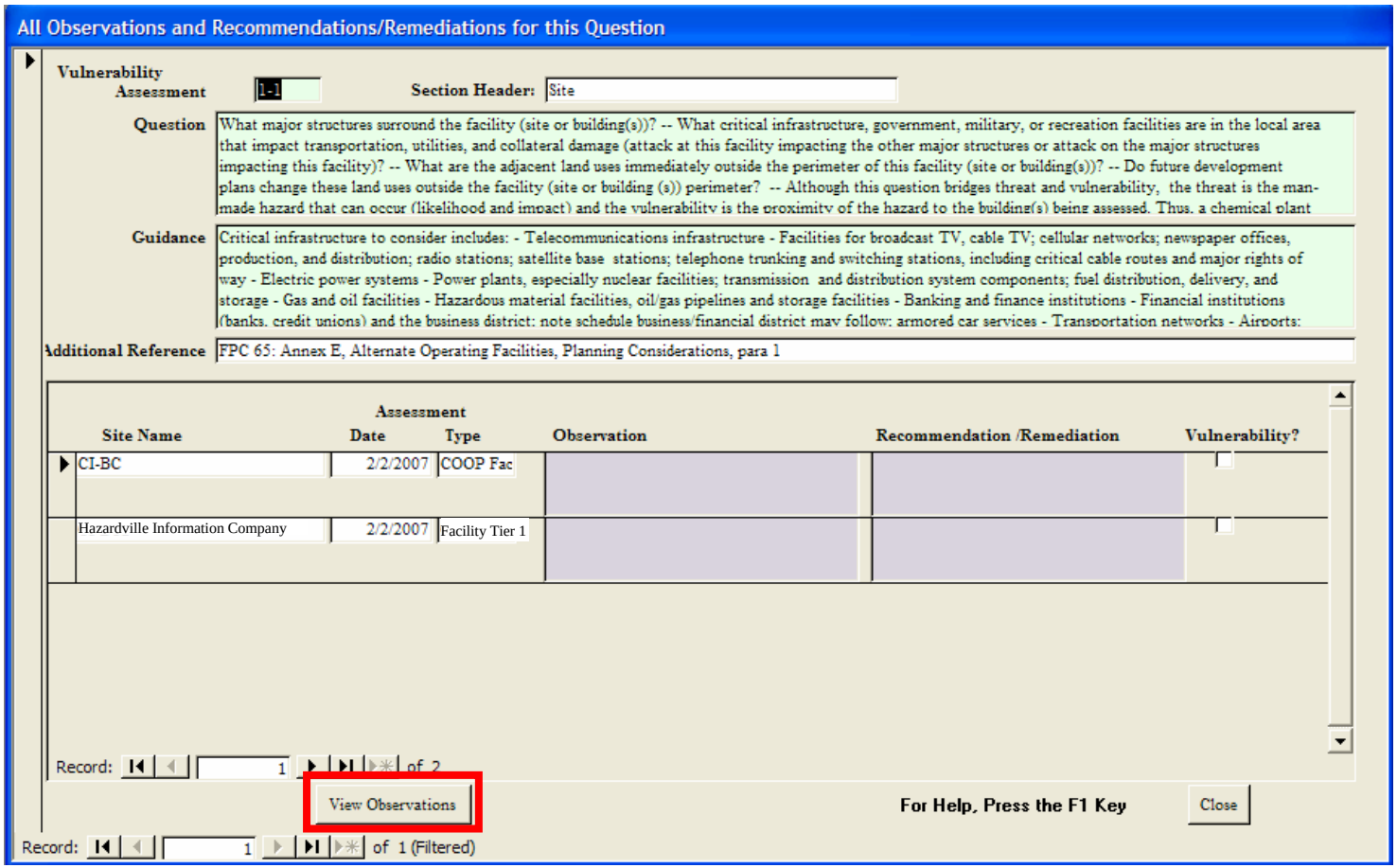

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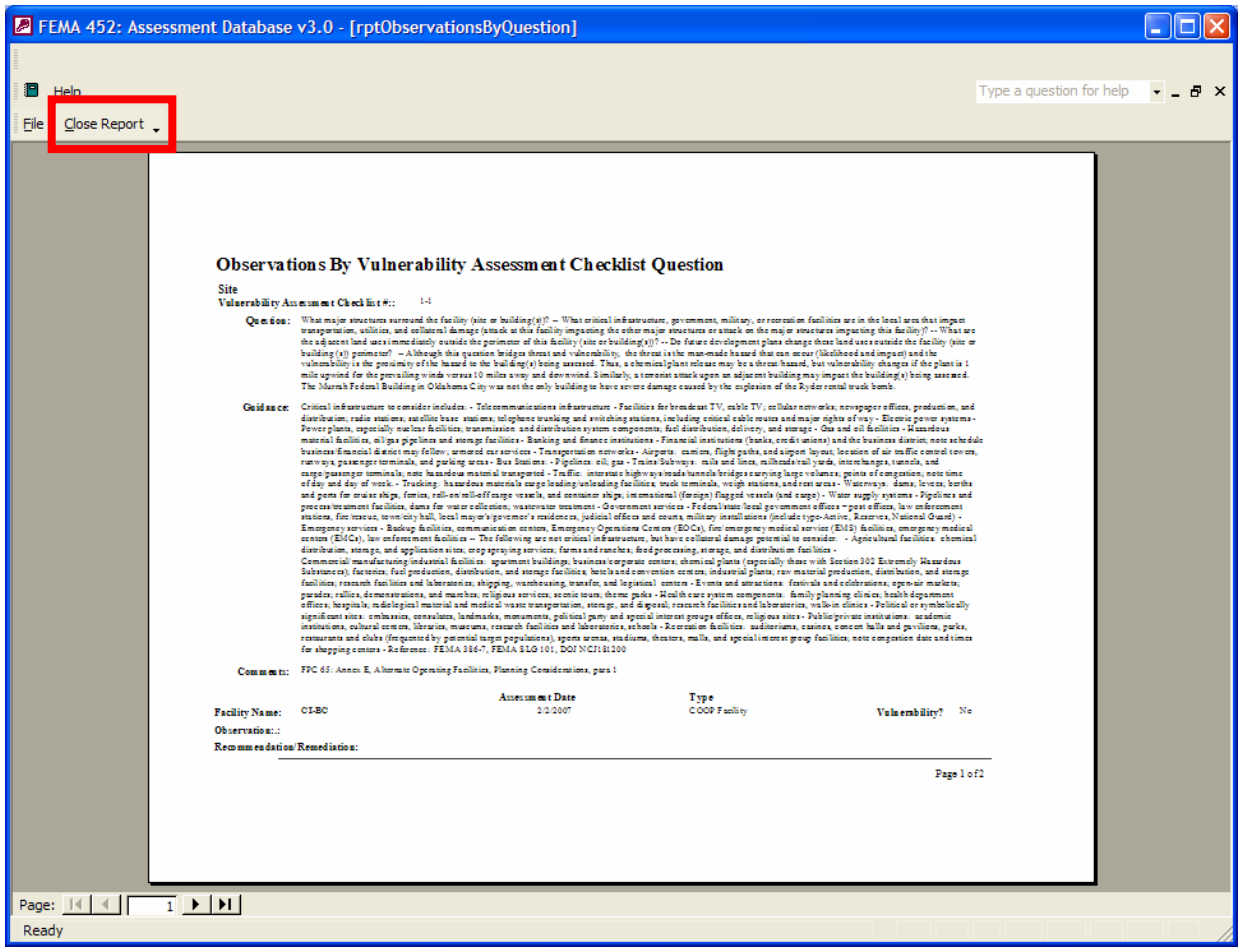

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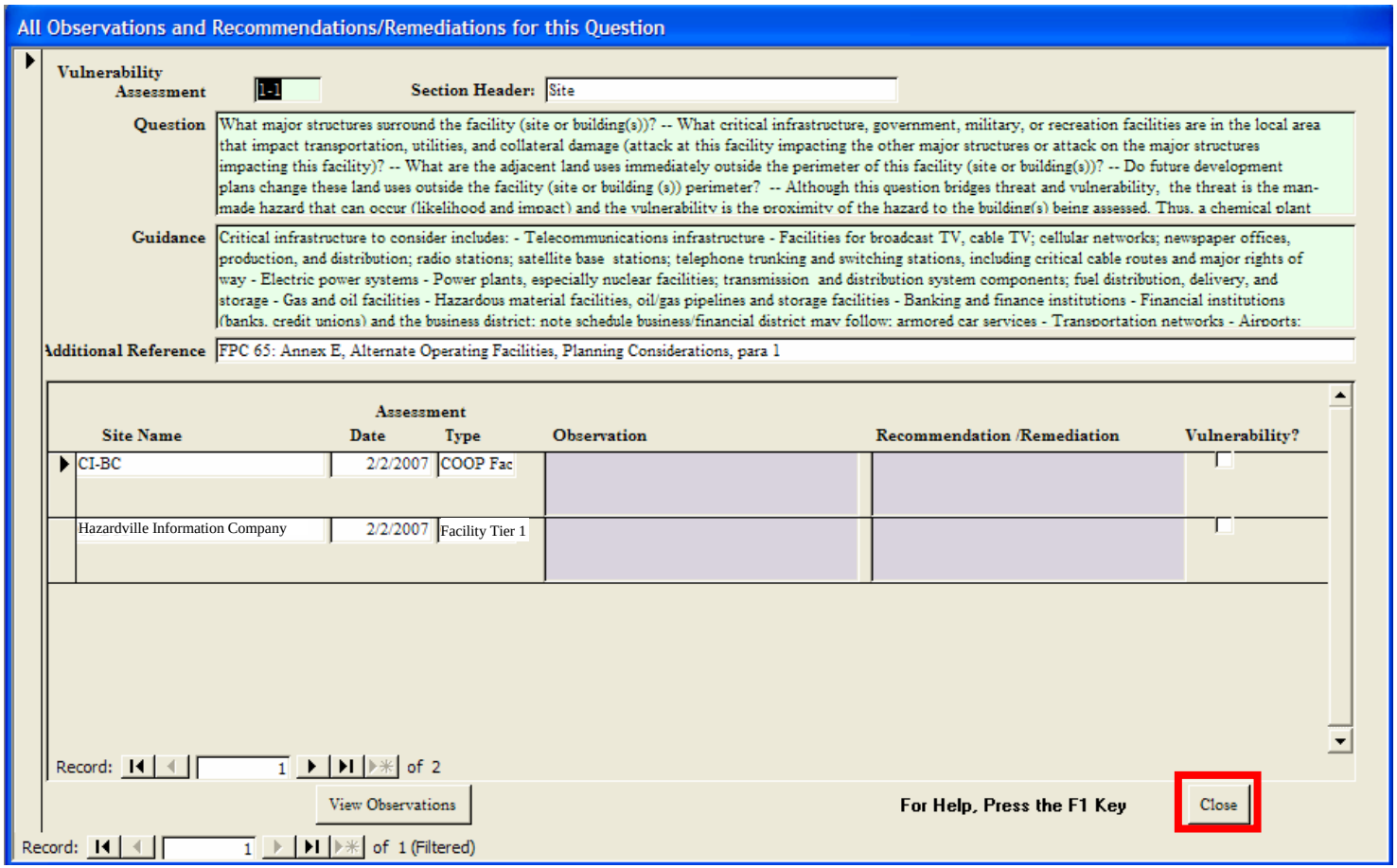

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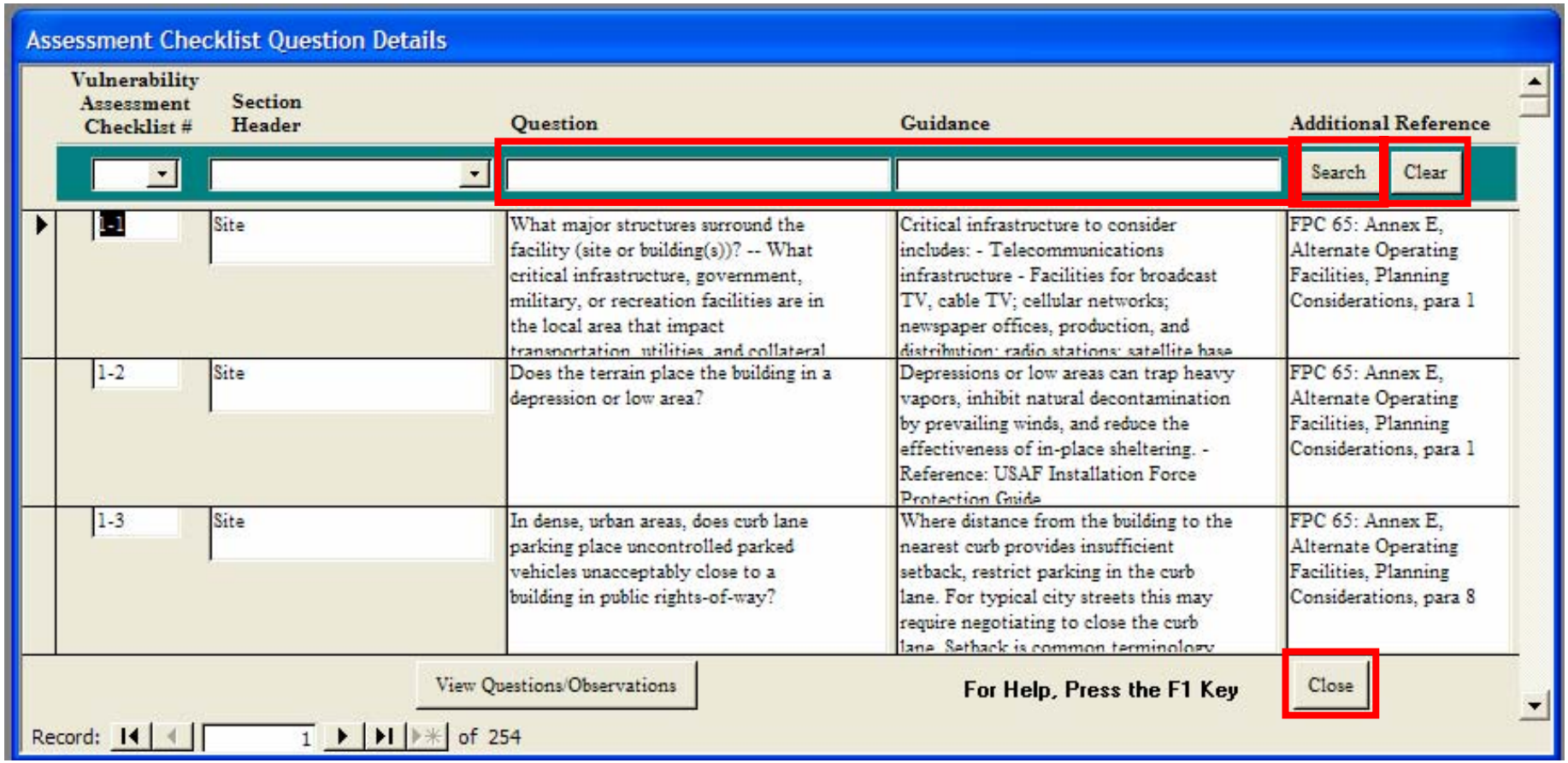
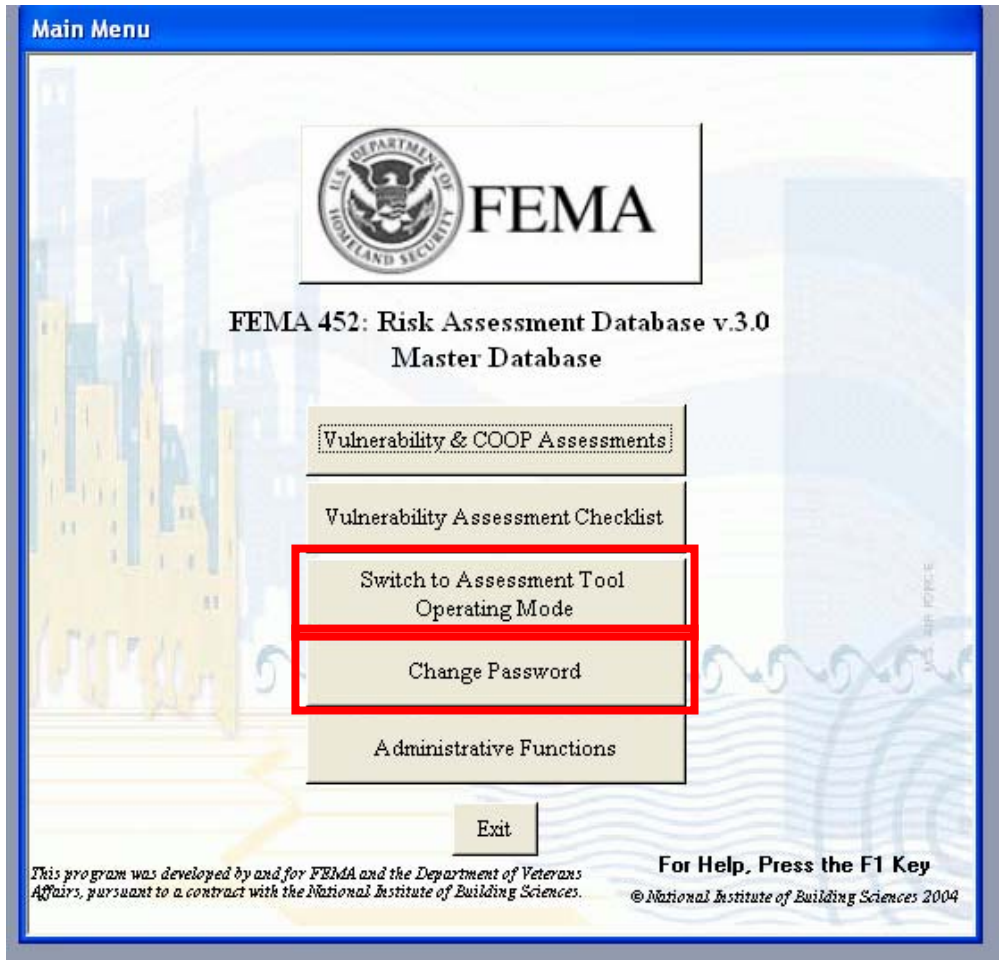
Vulnerability Assessment Checklist Search



FEMA

Master Database



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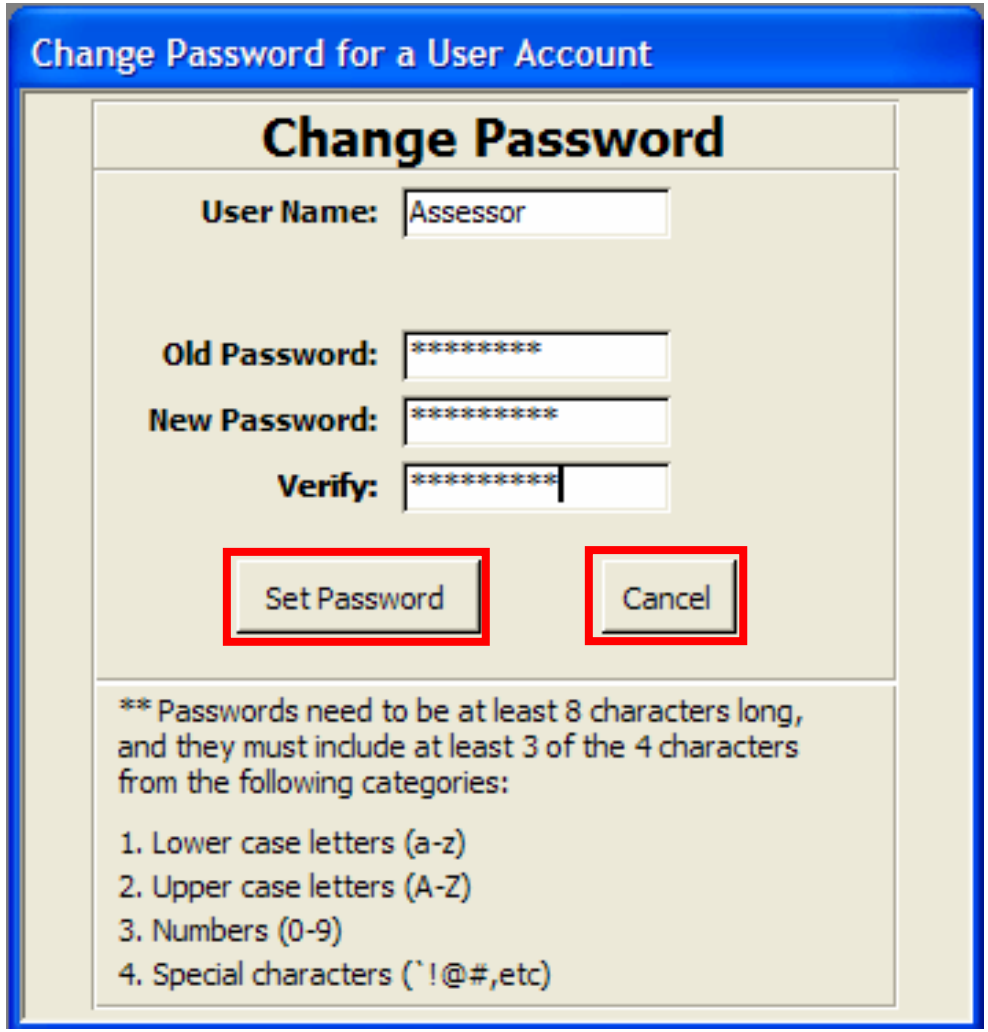
Master Database



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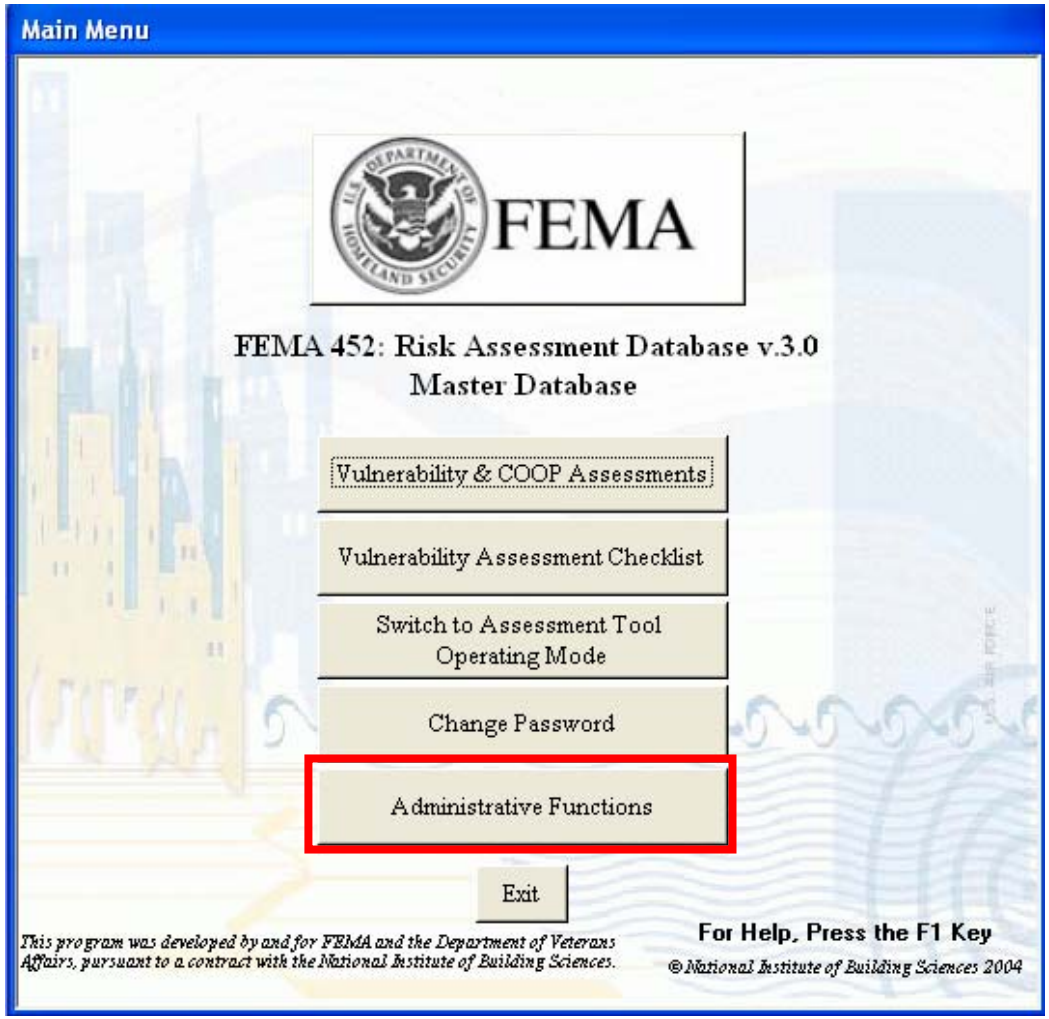
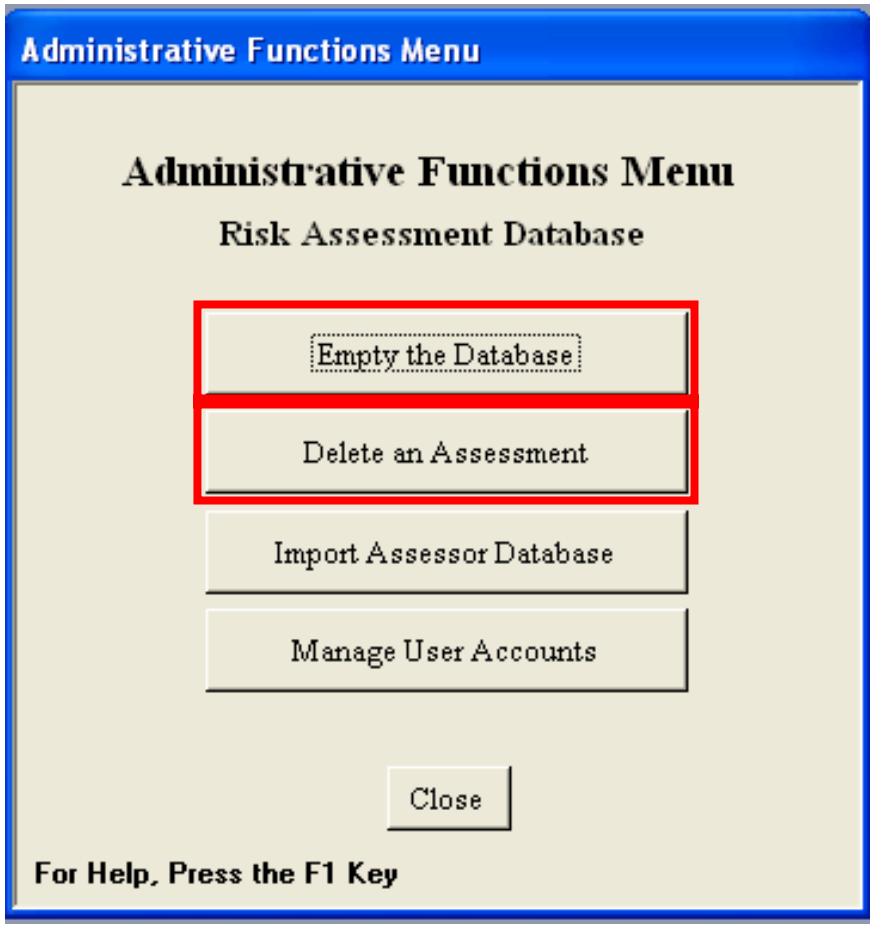


FEMA

Master Database: Erasing One or All Assessments



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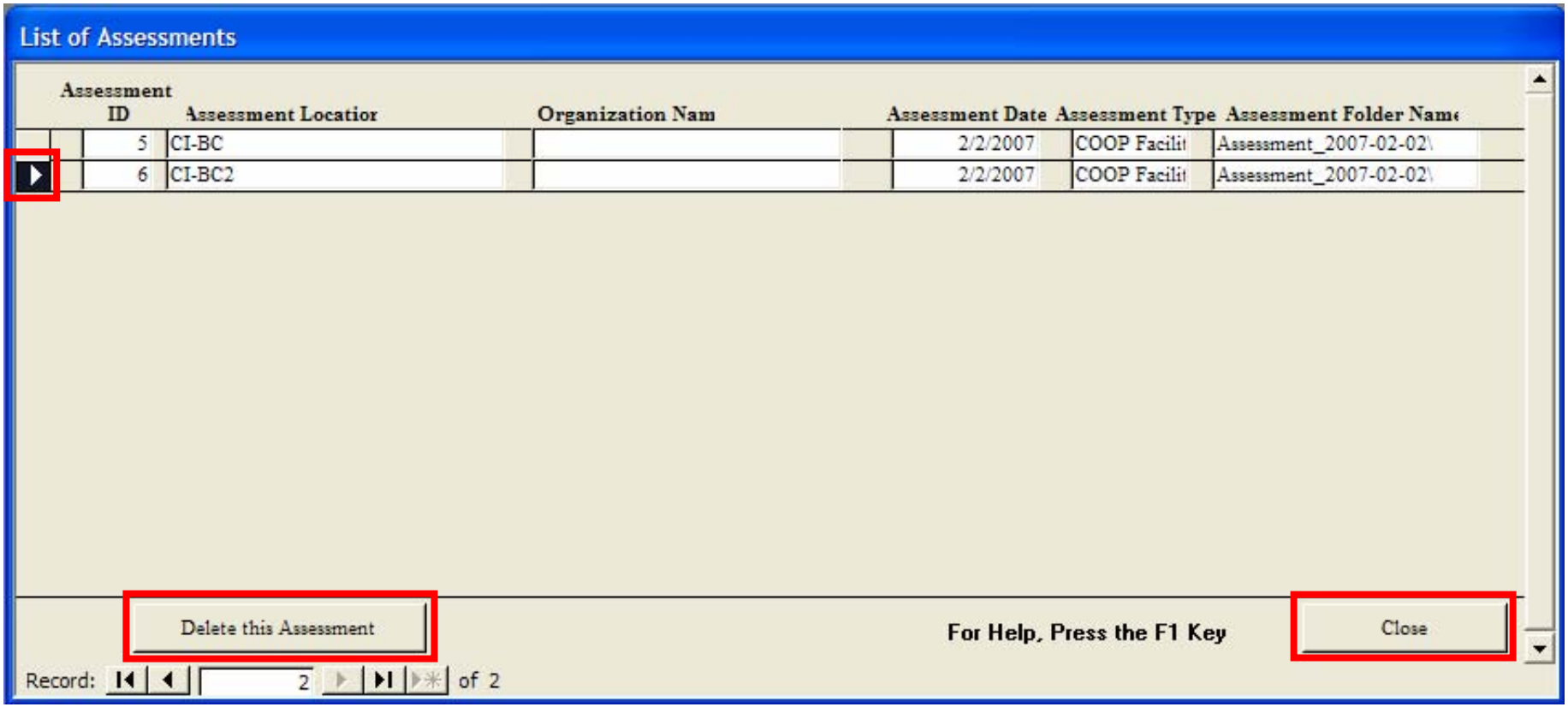
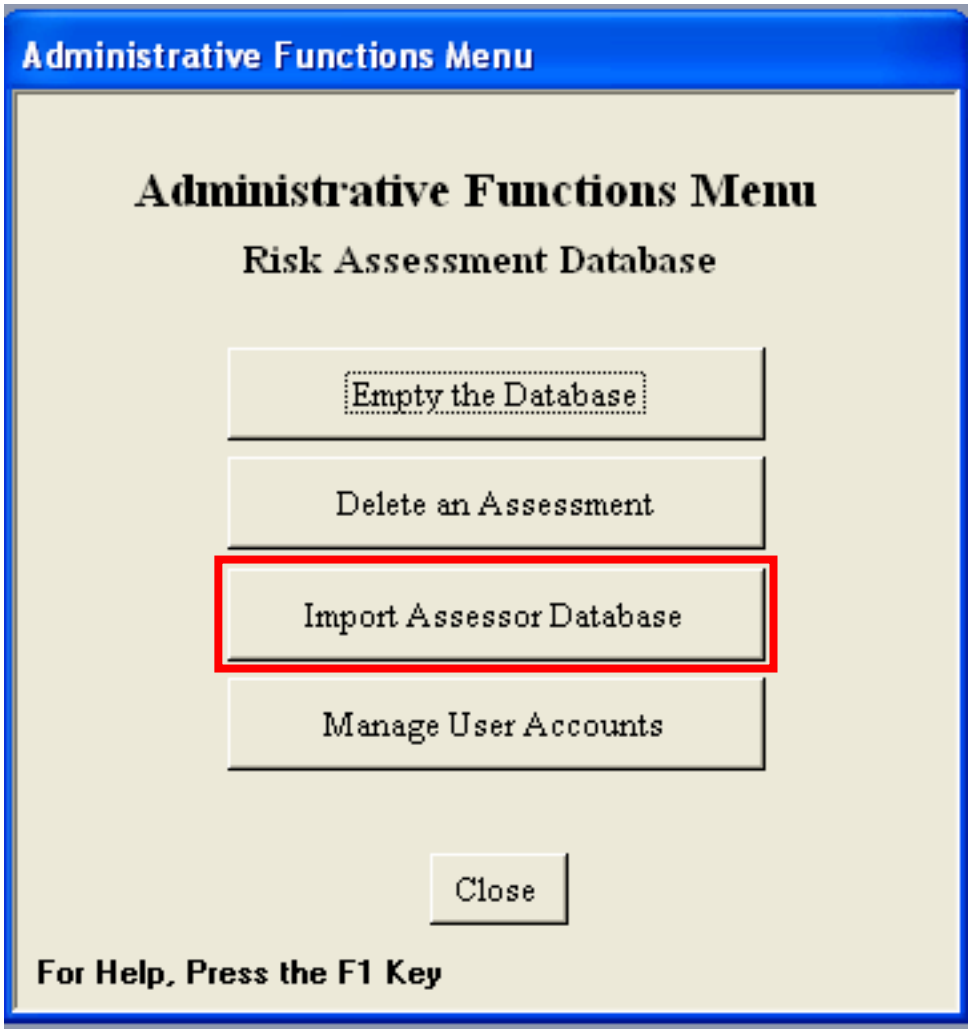
Master Database: Erasing One or All Assessments



FEMA

Master Database: Import Function



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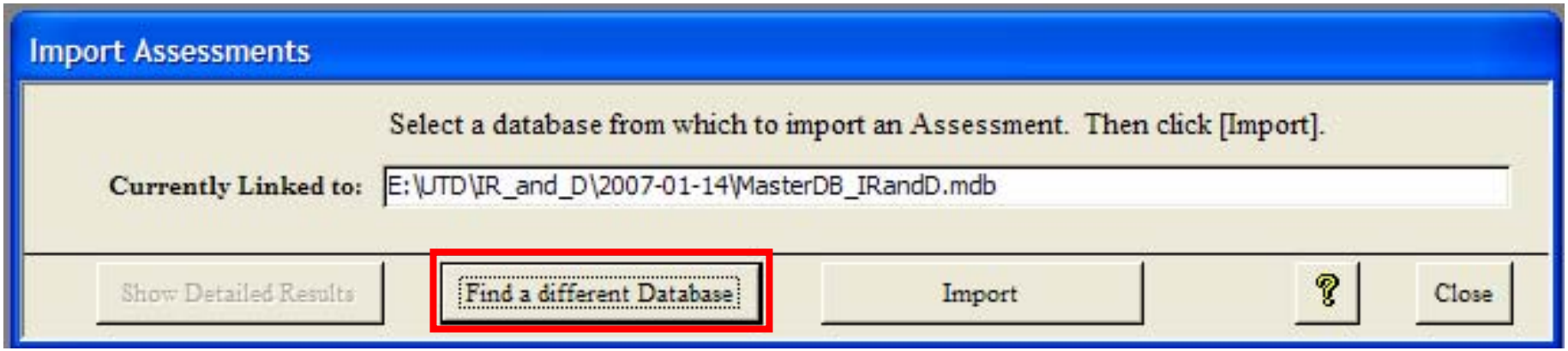
Master Database: Import Function



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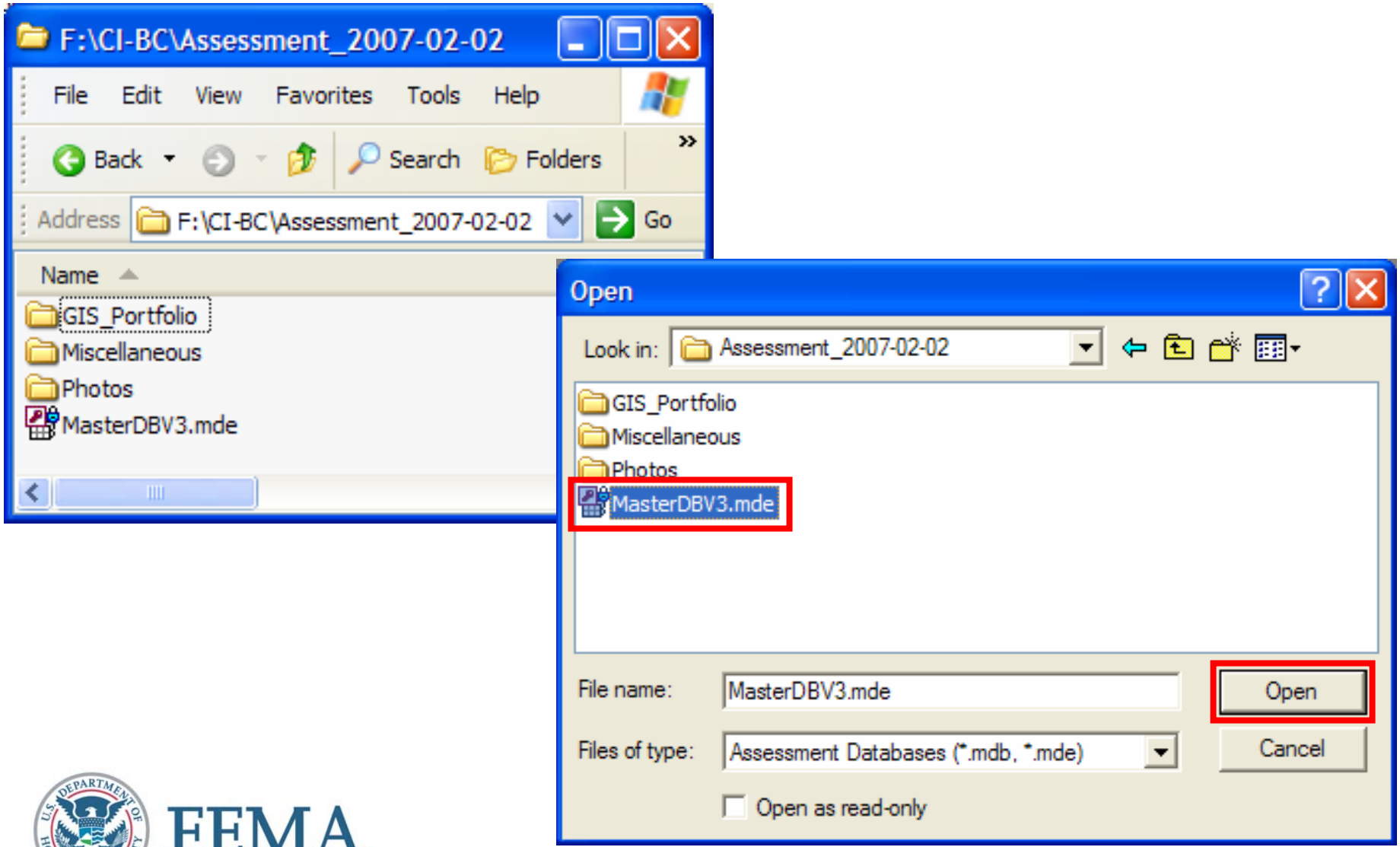

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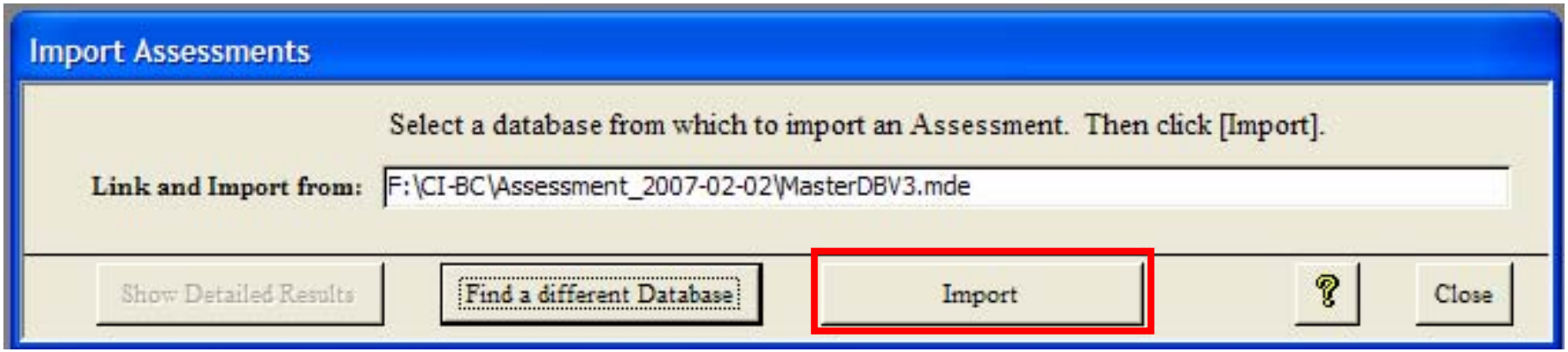

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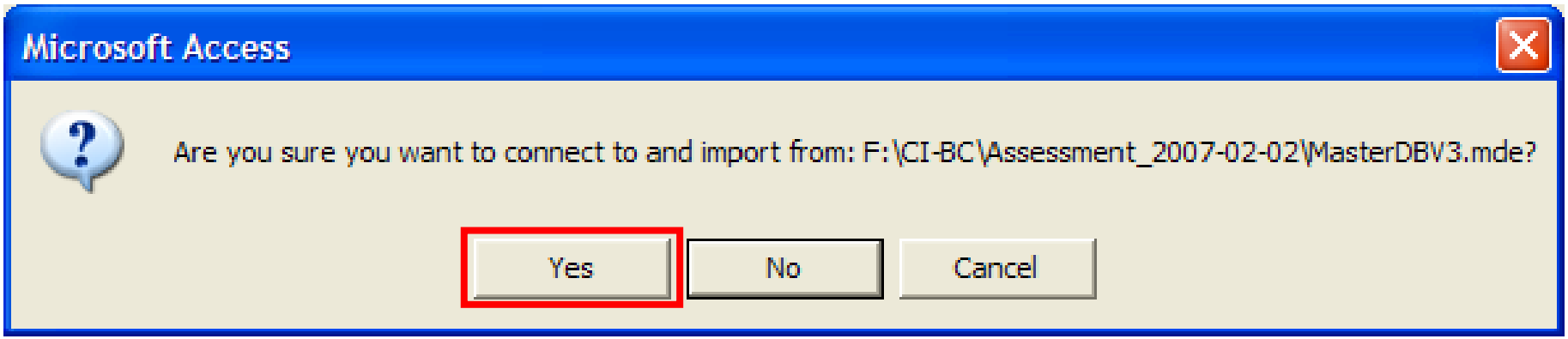

FEMA

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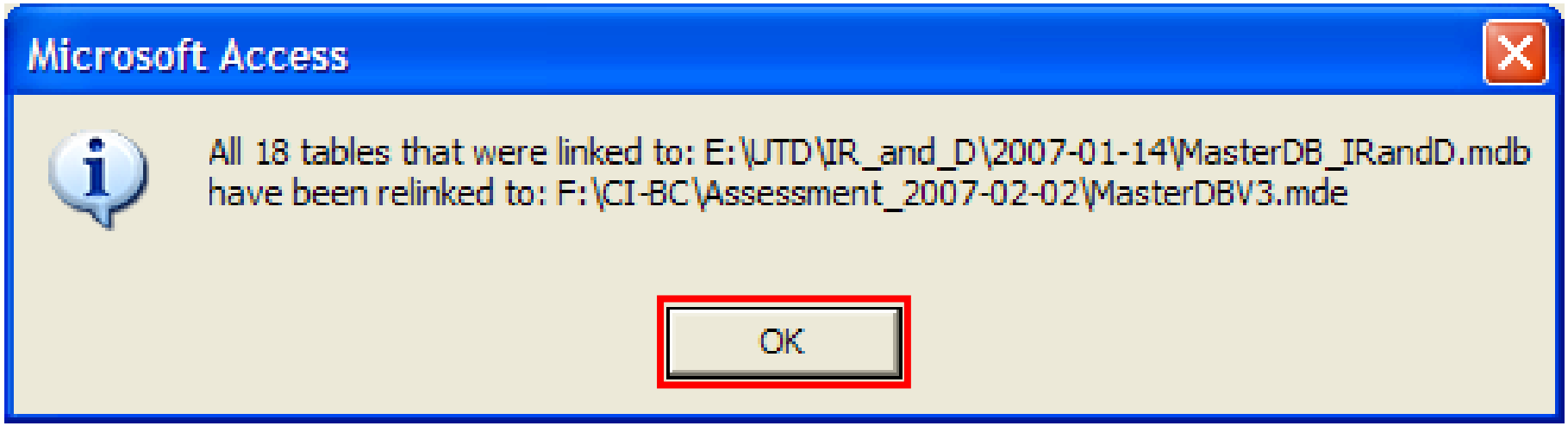

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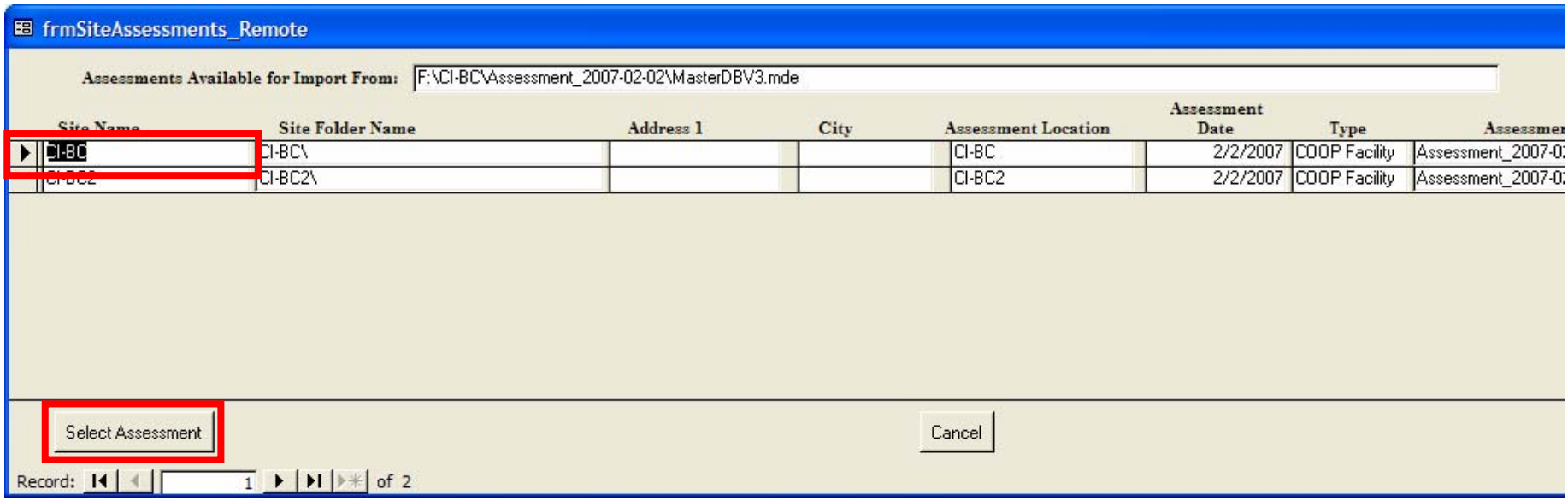
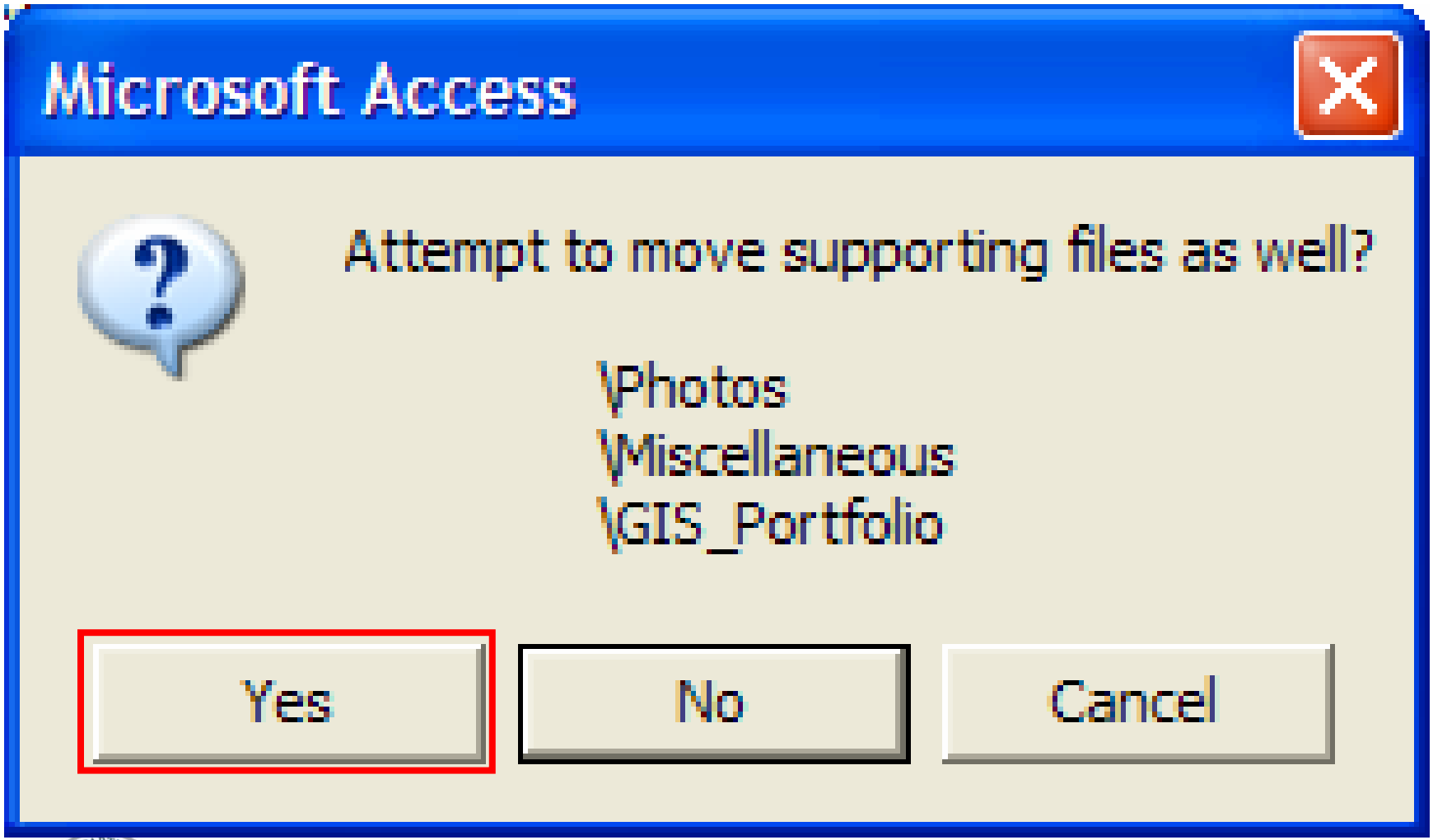


Master Database: Import Function



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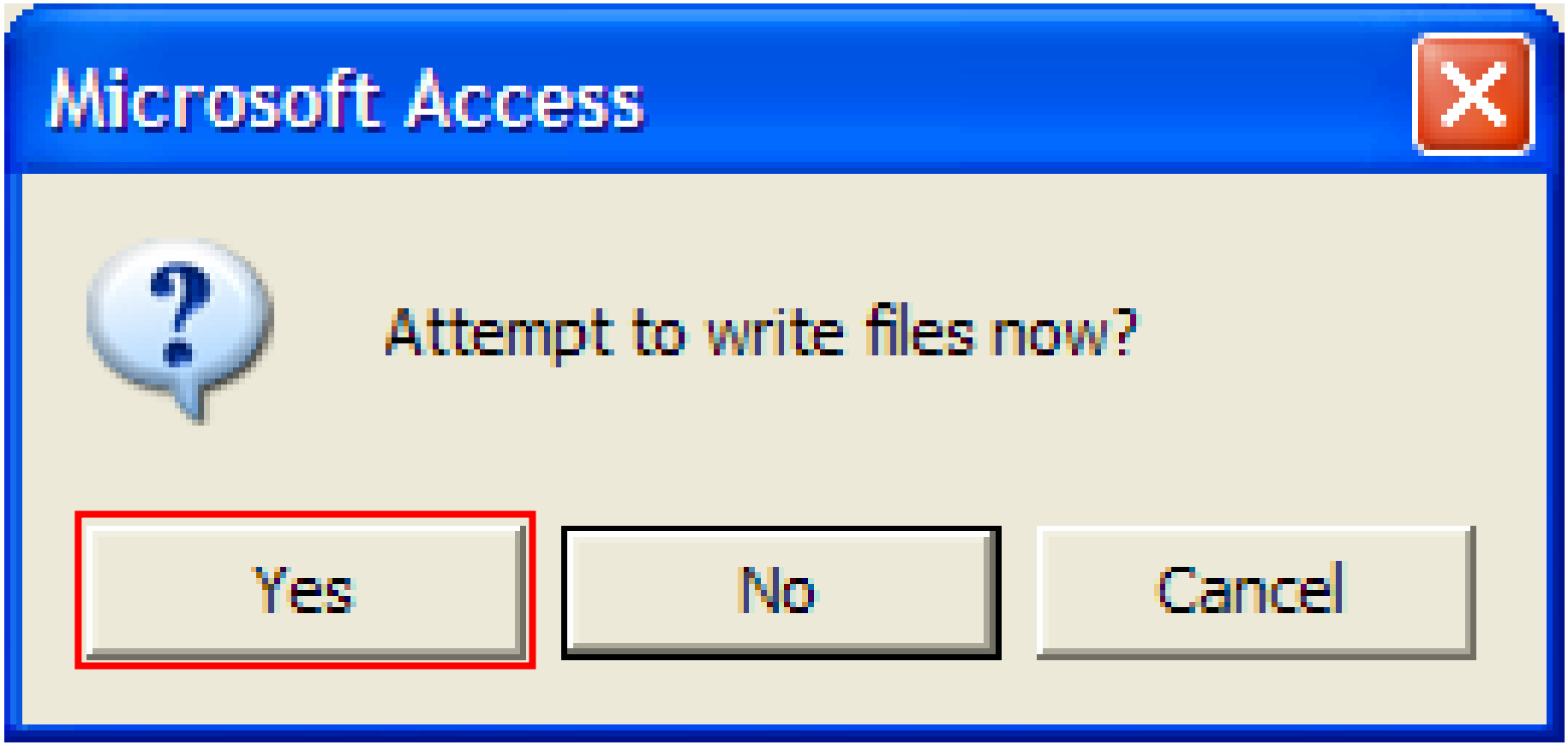
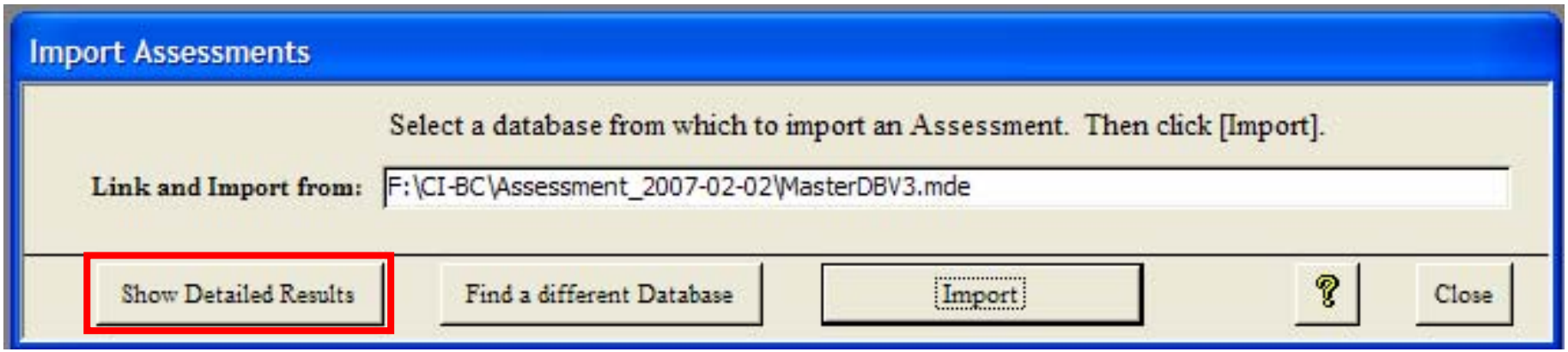
Master Database: Import Function



Master Database: Import Function



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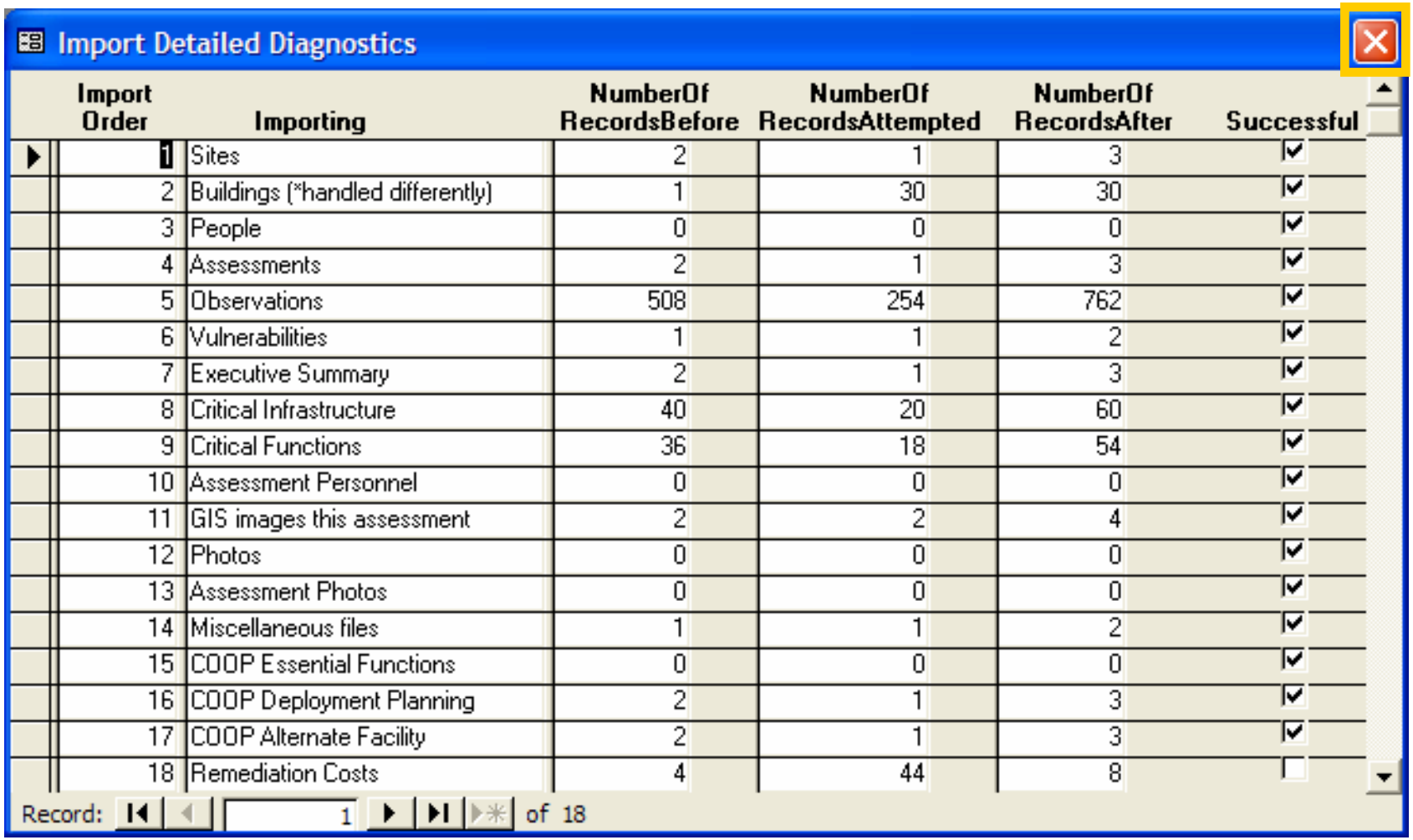
Master Database: Import Function



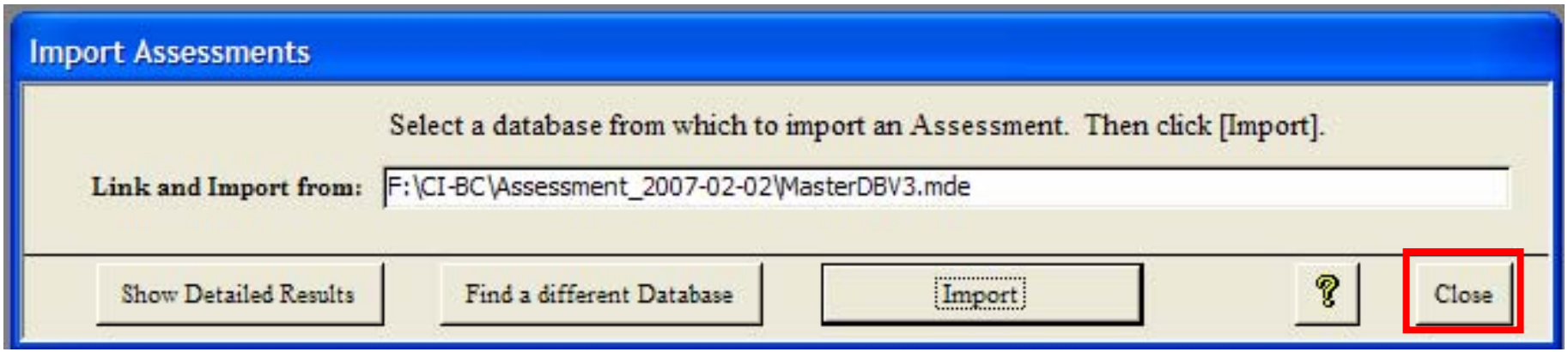
Import Detailed Diagnostics

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

Record: 1 of 18

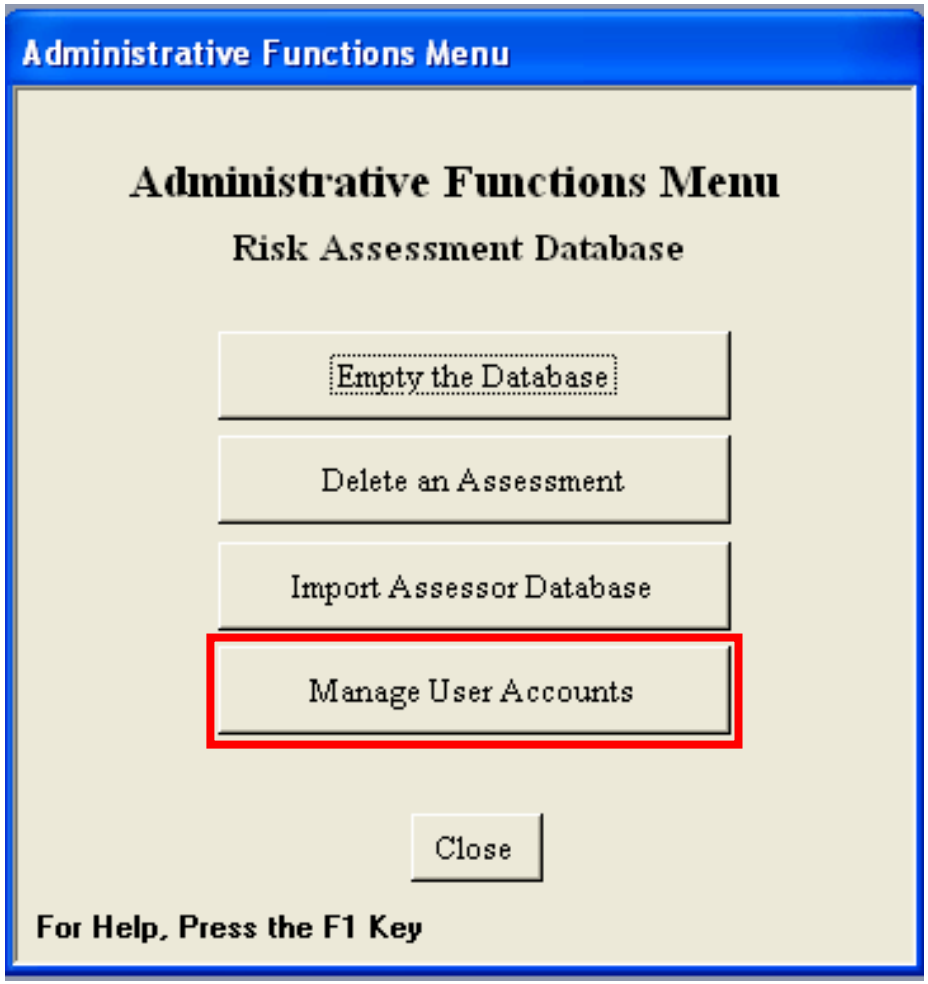
FEMA

Master Database: Import Function



FEMA

Master Database: Manage User Accounts



FEMA

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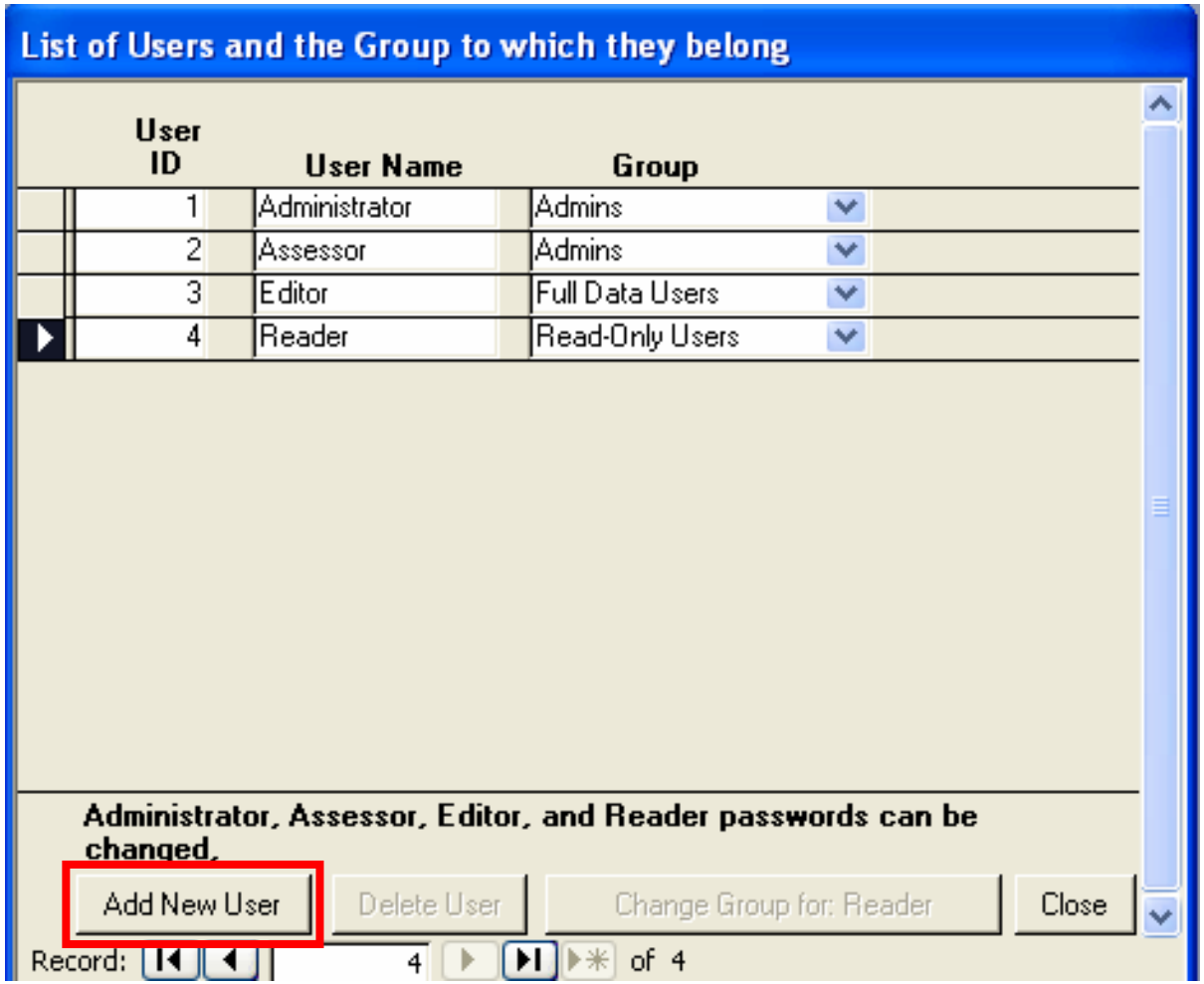
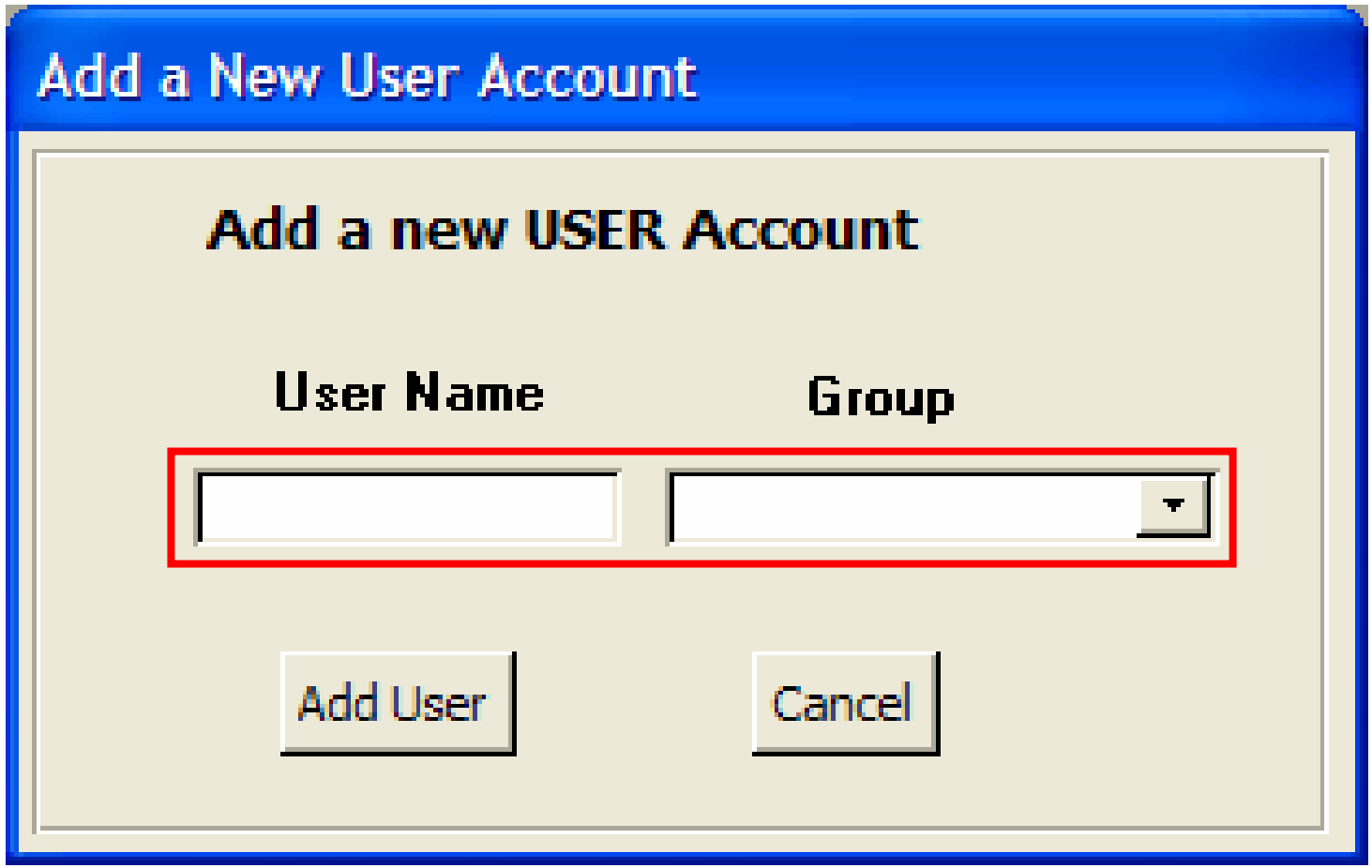


FEMA

Master Database: Manage User Accounts



FEMA

Master Database: Manage User Accounts

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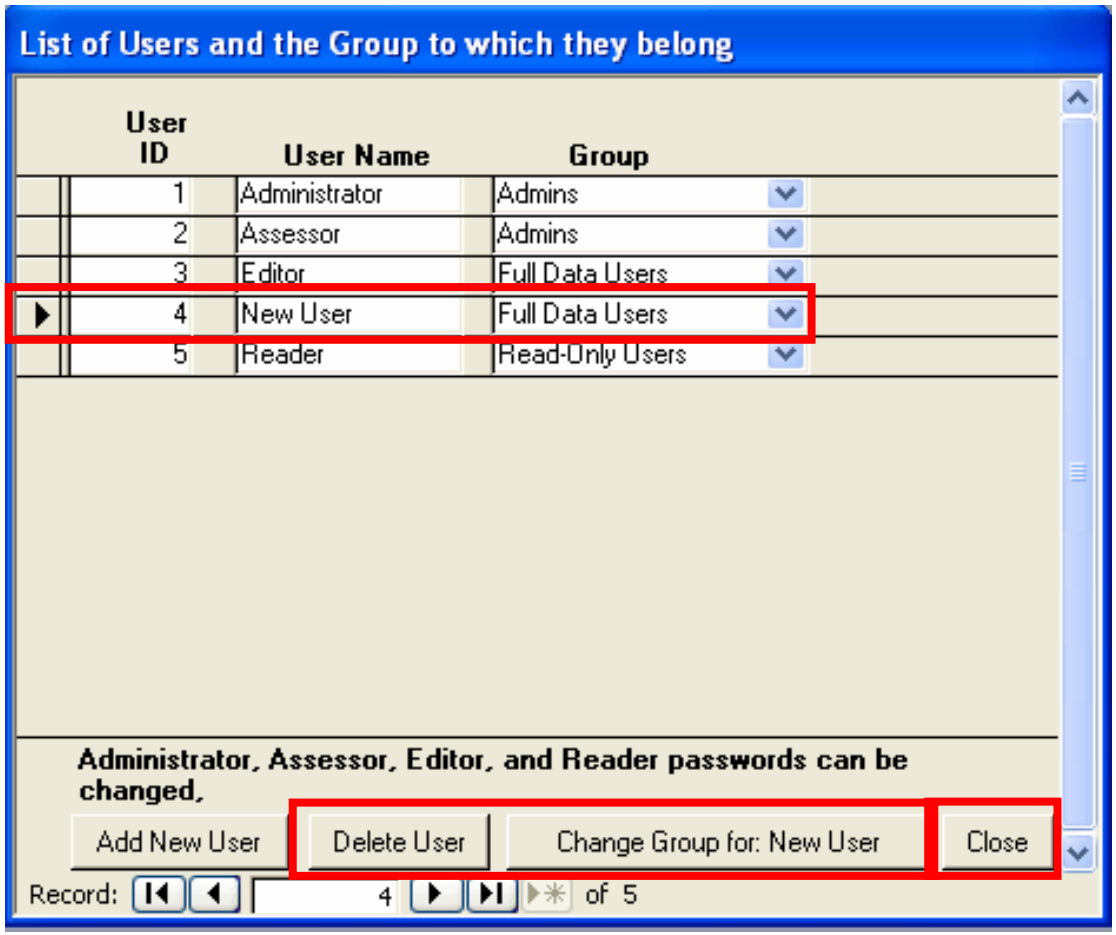
Master Database: Manage User Accounts



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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

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