



CAD/PAD International Logistics Meeting (ILM)

CAD/PAD Training is Transforming

Refreshed, Revived, Revolutionized!

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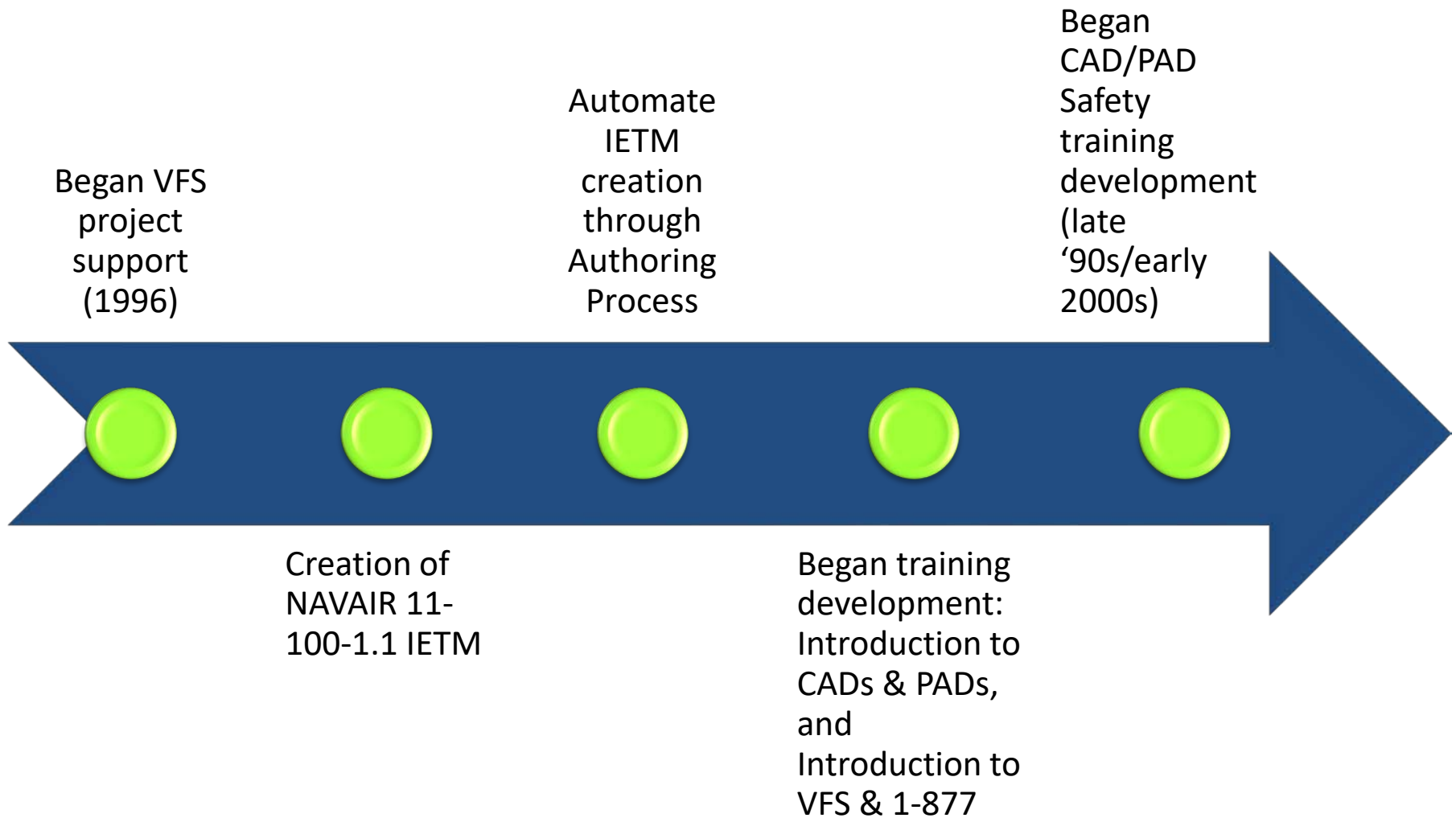
- 11 June 2019 -



AGENDA

- History
- Why We're Transforming
- Recent Accomplishments
- Where We're Going
- Demonstrations
- Questions | Feedback

HISTORY





WHY WE'RE TRANSFORMING



- Modernize, refine, enhance, and update content
 - Improve user experience, video performance, and navigation
 - Provide more tailored, scenario based instruction
 - Modernize the look and feel for today's fleet
- Comply with updated IT infrastructure and cybersecurity requirements
 - Windows 10
 - Remove Adobe Flash

RECENT ACCOMPLISHMENTS

F/A-18 Explosive Checkout (ECO) Training

- Developed new shell
- Converted all multimedia from Flash
- Consolidated learner path configuration
- Redesigned fire extinguisher topic
- Combined seat configuration
- Created new egress safety check video
- Refreshed mission video scenarios

Fleet Returns Tool Training

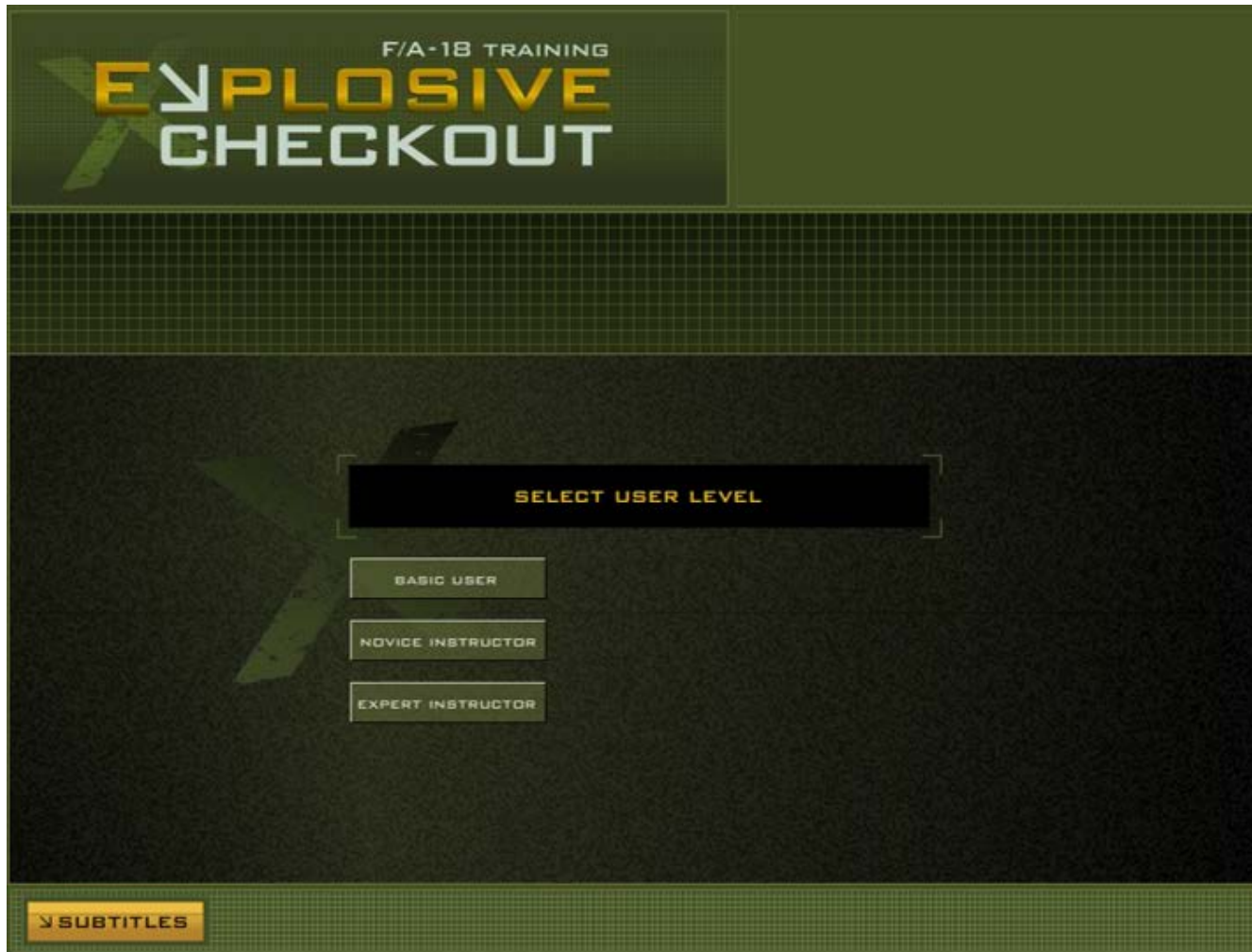
- Redesigned learning approach
- Modernized interface
- Reconfigured critical learning path
- Created Tell Me How Packaging Directions
- Designed Show Me How Instructional Videos
- Created fleet returns process animation

V-22 ECO Training

- Developed new shell
- Converted all multimedia from Flash
- Simplified instructional design to align with updated learning objectives
- Corrected technical inaccuracies
- Simplified screens to reduce cognitive load
- Reconfigured critical learning path

F/A-18 ECO TRAINING

Before



Distribution Statement A (19-097) : Approved for Public Release. Distribution unlimited.

F/A-18 ECO TRAINING

Before



F/A-18 ECO TRAINING

After

F/A-18 TRAINING

EXPLOSIVE CHECKOUT

YOUR MODE

START OVER

YOUR AIRCRAFT

YOUR PERFORMANCE

CASUALTIES

AIRCRAFT

YOUR PROGRESS

TASK 1

TASK 2

TASK 3

WELCOME TO EXPLOSIVE CHECKOUT

Maintainers will learn how to work safely in the cockpit without inadvertently firing egress system explosives or damaging equipment.

PLEASE SELECT AIRCRAFT

- F/A-18 A/B/C/D WITH SJU-5/6
- F/A-18 A+C/D/E/F AND EA-18G WITH NACES

Select if you need to learn

TAKE COURSE

Select if you think you know it all

TAKE EXAM

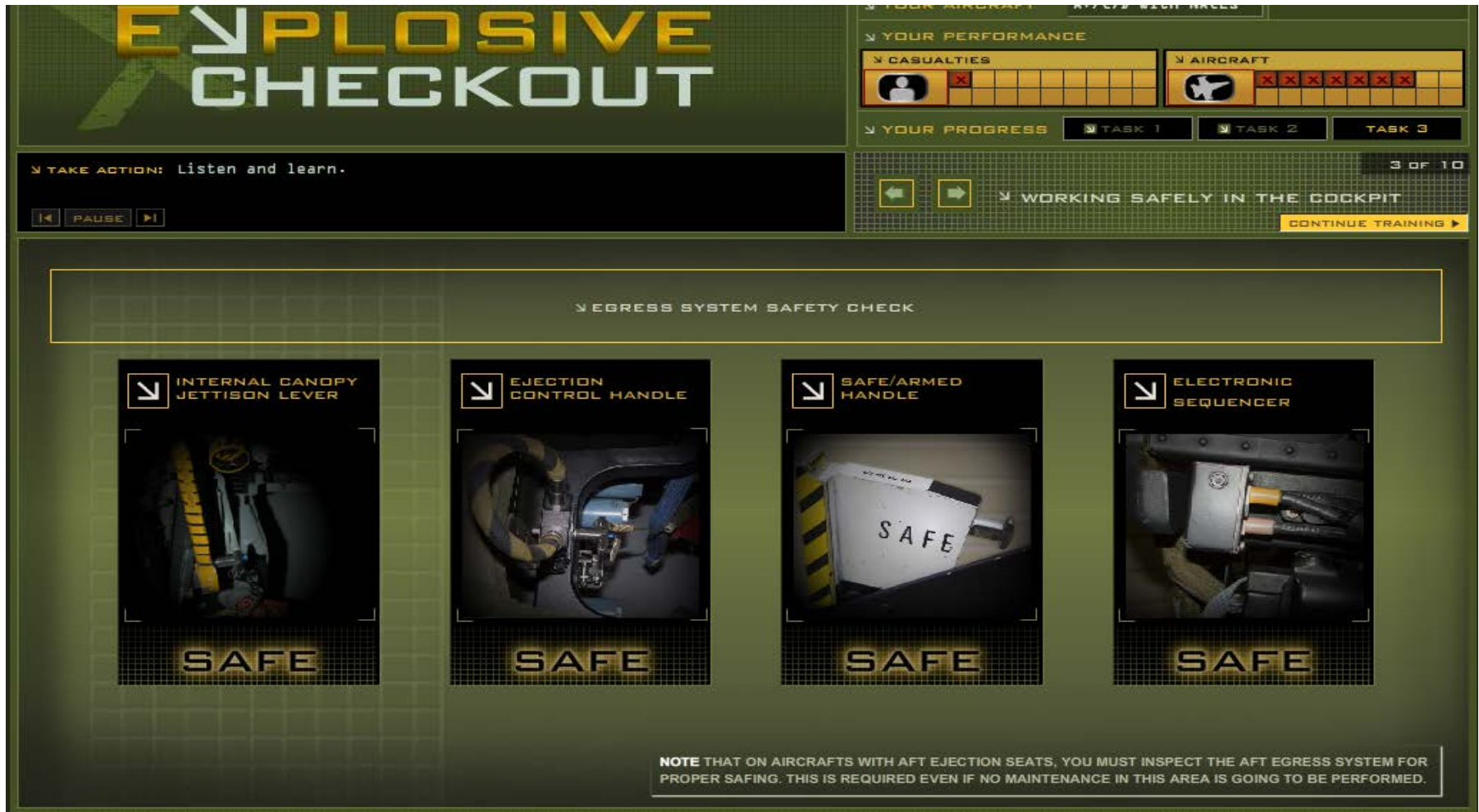
SUBTITLES

LIBRARY

RESOURCES

F/A-18 ECO TRAINING

Before



F/A-18 ECO TRAINING

After



F/A-18 ECO TRAINING

Before



F/A-18 ECO TRAINING

After

F/A-18 TRAINING

EXPLOSIVE CHECKOUT

TAKE ACTION: Click pulse to view animation.

F/A-18 Depiction Removed

FIRE EXTINGUISHER

FIRE EXTINGUISHER CIRCUIT BREAKER
OPEN CLOSED

YOUR MODE: **LEARN** **START OVERT**

YOUR AIRCRAFT: **A+C - F & EA-18G, NACES**

YOUR PERFORMANCE

CASUALTIES: AIRCRAFT:

YOUR PROGRESS: **TASK 1** **TASK 2** **TASK 3** **8 of 8**

FIRE EXTINGUISHER SYSTEM

FIRE EXTINGUISHER SYSTEM

DETAILS

DESCRIPTION

The engine fire extinguishing system consists of one fire bottle with three electrically actuated CADs. The CADs can be used to extinguish a fire.

. When activated, gas pressure created ruptures a diaphragm in the tank letting fire extinguishing agent discharge from the fire bottle to suffocate the fire.

LOCATION

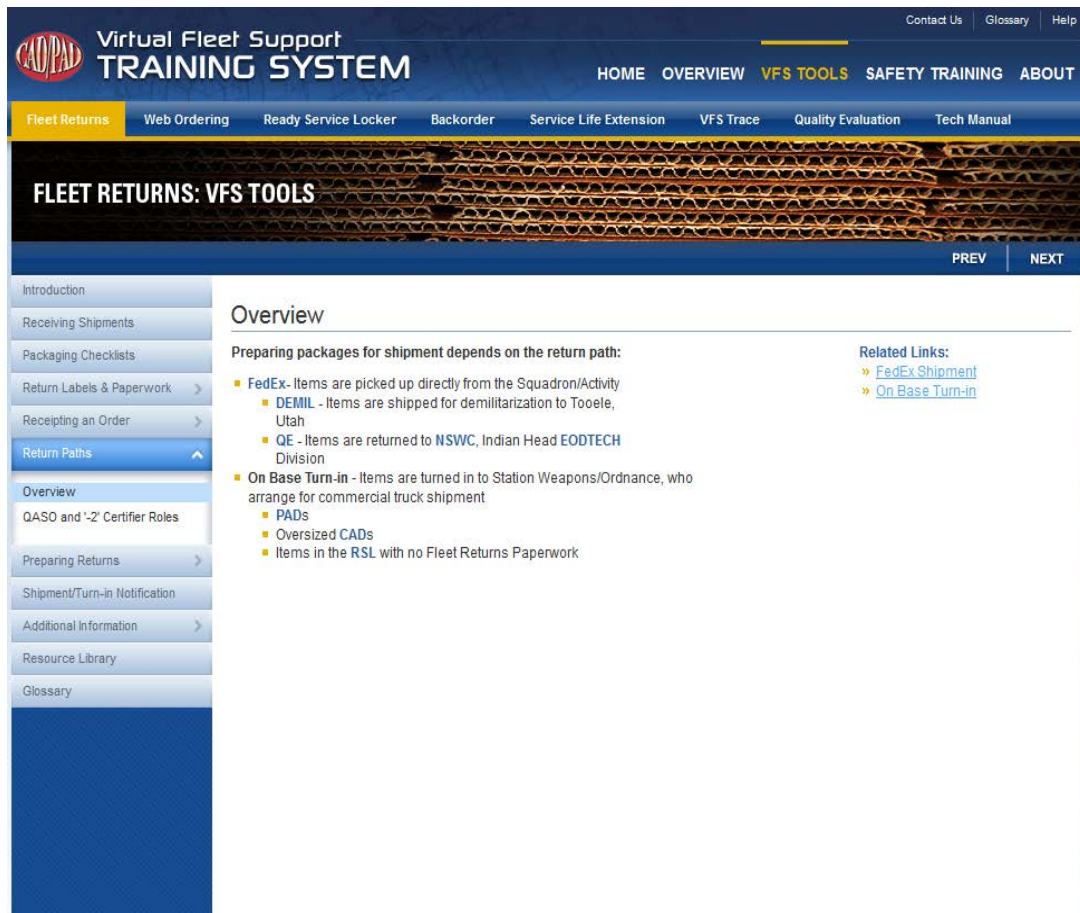
- The engine fire extinguishing system is located
- On F/A-18 A-D, it is in panel , behind door
- On F/A-18 E,F & EA-18G, it is in panel , behind door
- Fire Extinguisher Circuit Breaker:
 - On F/A-18 A-D, the FEXT circuit breaker is on the number circuit breaker panel assembly in door
 - On F/A-18 E,F & EA-18G, the FEXT circuit breaker is on the number your power

DETAILS SETTINGS SAFETY CHECK

LIBRARY RESOURCES

FLEET RETURNS TOOL TRAINING

Before



The screenshot displays the 'Virtual Fleet Support TRAINING SYSTEM' interface. The top navigation bar includes links for 'Contact Us', 'Glossary', and 'Help'. Below this, a secondary navigation bar lists 'HOME', 'OVERVIEW', 'VFS TOOLS' (highlighted), 'SAFETY TRAINING', and 'ABOUT'. A third navigation bar lists various tools: 'Fleet Returns' (highlighted), 'Web Ordering', 'Ready Service Locker', 'Backorder', 'Service Life Extension', 'VFS Trace', 'Quality Evaluation', and 'Tech Manual'.

The main content area is titled 'FLEET RETURNS: VFS TOOLS' and features a 'PREV' and 'NEXT' button. On the left, a sidebar menu lists topics: 'Introduction', 'Receiving Shipments', 'Packaging Checklists', 'Return Labels & Paperwork', 'Receiving an Order', 'Return Paths' (expanded), 'Overview', 'QASO and '2' Certifier Roles', 'Preparing Returns', 'Shipment/Turn-in Notification', 'Additional Information', 'Resource Library', and 'Glossary'.

The 'Overview' section for 'Return Paths' contains the following text: 'Preparing packages for shipment depends on the return path:'. It lists two main categories:

- FedEx** - Items are picked up directly from the Squadron/Activity
 - DEMIL** - Items are shipped for demilitarization to Tooele, Utah
 - QE** - Items are returned to NSWC, Indian Head EODTECH Division
- On Base Turn-in** - Items are turned in to Station Weapons/Ordnance, who arrange for commercial truck shipment
 - PADS**
 - Oversized CADs**
 - Items in the RSL with no Fleet Returns Paperwork

Related Links:

- [FedEx Shipment](#)
- [On Base Turn-in](#)

FLEET RETURNS TOOL TRAINING

After

HOME

FLEET RETURNS TELL ME HOW

● ●

DEMIL/OA CADS

Click here to learn about returning CADs for either DEMIL or OA/QE.

DEMIL SMDC

Click here to discover how to use the DEMIL SMDC return path to send SMDC lines to Tooele, UT.

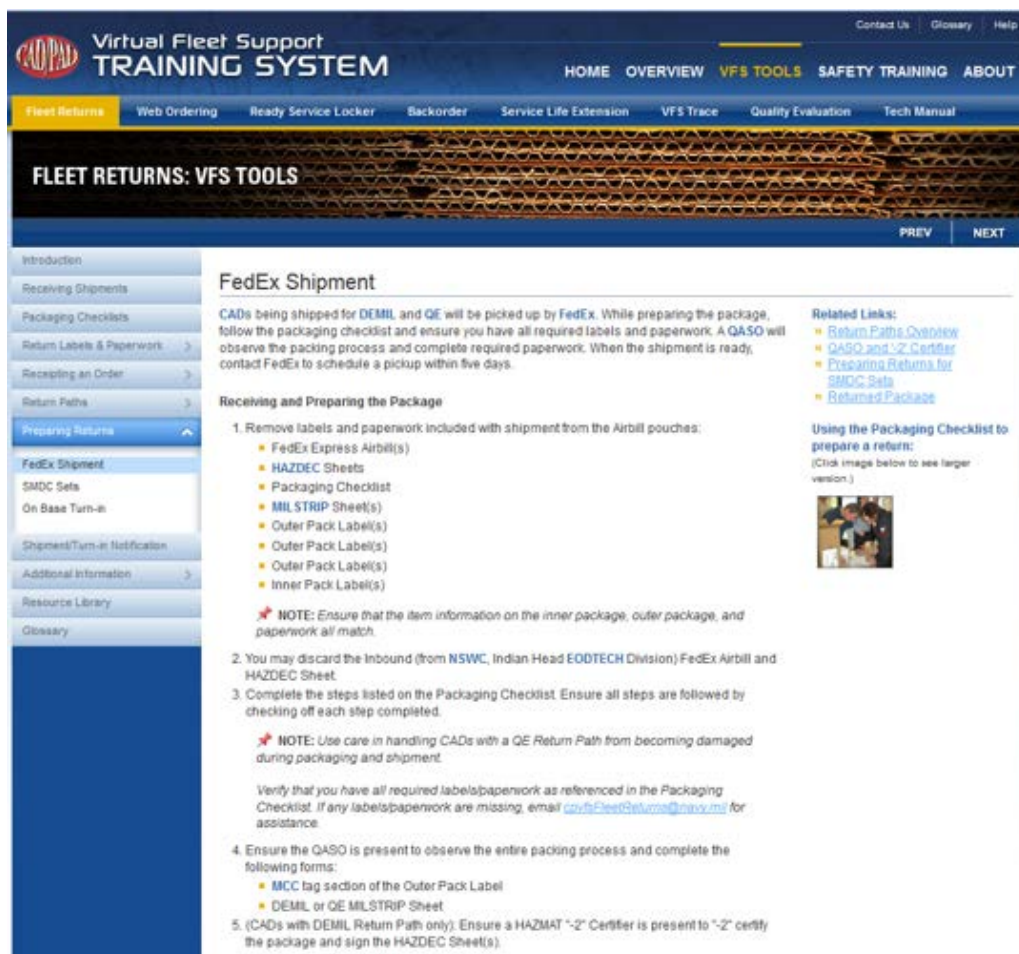
OA SMDC

Click here to learn about the OA SMDC Fleet Return Path. Use this return path when returning SMDC lines to Indian Head, MD for assessment, testing, or recall.

Choose the return path you would like to know more about.

FLEET RETURNS TOOL TRAINING

Before



Virtual Fleet Support TRAINING SYSTEM

HOME OVERVIEW **VFS TOOLS** SAFETY TRAINING ABOUT

Fleet Returns Web Ordering Ready Service Locker Backorder Service Life Extension VFS Trace Quality Evaluation Tech Manual

FLEET RETURNS: VFS TOOLS

PREV NEXT

Introduction

Receiving Shipments

Packaging Checklists

Return Labels & Paperwork

Recapting an Order

Return Paths

Preparing Returns

FedEx Shipment

SMDC Sets

On Base Turn-in

Shipment/Turn-in Notification

Additional Information

Resource Library

Glossary

FedEx Shipment

CADs being shipped for DEMIL and QE will be picked up by FedEx. While preparing the package, follow the packaging checklist and ensure you have all required labels and paperwork. A QASO will observe the packing process and complete required paperwork. When the shipment is ready, contact FedEx to schedule a pickup within five days.

Receiving and Preparing the Package

1. Remove labels and paperwork included with shipment from the Airbill pouches:
 - FedEx Express Airbill(s)
 - HAZDEC Sheets
 - Packaging Checklist
 - MIL STRIP Sheet(s)
 - Outer Pack Label(s)
 - Outer Pack Label(s)
 - Outer Pack Label(s)
 - Inner Pack Label(s)

★ **NOTE:** Ensure that the item information on the inner package, outer package, and paperwork all match.
2. You may discard the Inbound (from NSWC, Indian Head EODTECH Division) FedEx Airbill and HAZDEC Sheet.
3. Complete the steps listed on the Packaging Checklist. Ensure all steps are followed by checking off each step completed.


★ **NOTE:** Use care in handling CADs with a QE Return Path from becoming damaged during packaging and shipment.

Verify that you have all required labels/paperwork as referenced in the Packaging Checklist. If any labels/paperwork are missing, email casfsFleetReturns@navy.mil for assistance.
4. Ensure the QASO is present to observe the entire packing process and complete the following forms:
 - MCC tag section of the Outer Pack Label
 - DEMIL or QE MILSTRIP Sheet
5. (CADs with DEMIL Return Path only): Ensure a HAZMAT -2" Certifier is present to -2" certify the package and sign the HAZDEC Sheet(s).

Related Links:


- [Return Paths Overview](#)
- [QASO and -2" Certifier](#)
- [Preparing Returns for SMDC Sets](#)
- [Returned Package](#)

Using the Packaging Checklist to prepare a return:
(Click image below to see larger version.)



FLEET RETURNS TOOL TRAINING


After




DEMIL or OA CADs Return Path - Packaging Directions

Directions

1. Receive the package, and verify paperwork and contents.






PLAY VIDEO

 - a. Remove the inbound HAZDEC sheets and discard.
 - b. Open the box, without damaging it.
 - c. Remove the contents and dunnage from the box, and save it for the return shipment.
 - d. Verify that the contents in the box matches the inbound labels on the box.


NOTE: Do NOT remove or obliterate the UN POP Marking label on the box.

 - e. Do the following if one or both conditions apply. If neither apply, continue to next step.
 - If the items and quantities ordered do not match what is received, submit an **SDR** and **CODR**.
 - If temporarily stowed, items must be rechecked for **NARs** before installation.
 - f. Remove Fleet Returns paperwork from the document pouch, and ensure you have the following:
 - Outer Pack Return label
 - Inner Pack label
 - FedEx label
 - Four HAZDEC sheets (forms with red border)
 - DEMIL or QE (OA) MILSTRIP sheet
 - g. Compare the paperwork with the information on the box.

<https://cadpad.navair.navy.mil/VFSApps/Training/start.aspx>

FLEET RETURNS TOOL TRAINING

After



HOME

FLEET RETURNS PRACTICE: RETURN A DEMIL CAD





PRACTICE INFORMATION

Directions:
Follow the steps listed below to complete the Bundle Back portion of the Fleet Returns process for a **DEMIL CAD**. Use the Materials List to drag and drop what you need into or onto the packaging boxes. Materials on the table are also interactive.

- All steps that require signing or writing on labels and sheets must be dragged onto the clipboard first.
- When the step requires signing or writing, select the pen from the Materials List and drag it onto the label or sheet.
- Steps that require action from the **QASO** and **HAZMAT -2** certifier will advance automatically.
- The step that includes the **UN POP** Marking label will automatically advance.

NOTE: Label locations on the box are not exact. Please refer to the Fleet Returns Process Guide to ensure correct label location during actual packaging.

Preconditions:

- You have received the initial package and verified that the Fleet Returns paperwork and contents are correct.
- You have already replaced the used CAD with the new one, and are now ready to begin the repackaging steps to send the CAD to Tooele, UT for DEMIL.

☒ Receive the package, and verify paperwork and contents.

☐ Once removed from the aircraft, place the expired CAD in



MATERIALS


ANGRY CAT


CADs

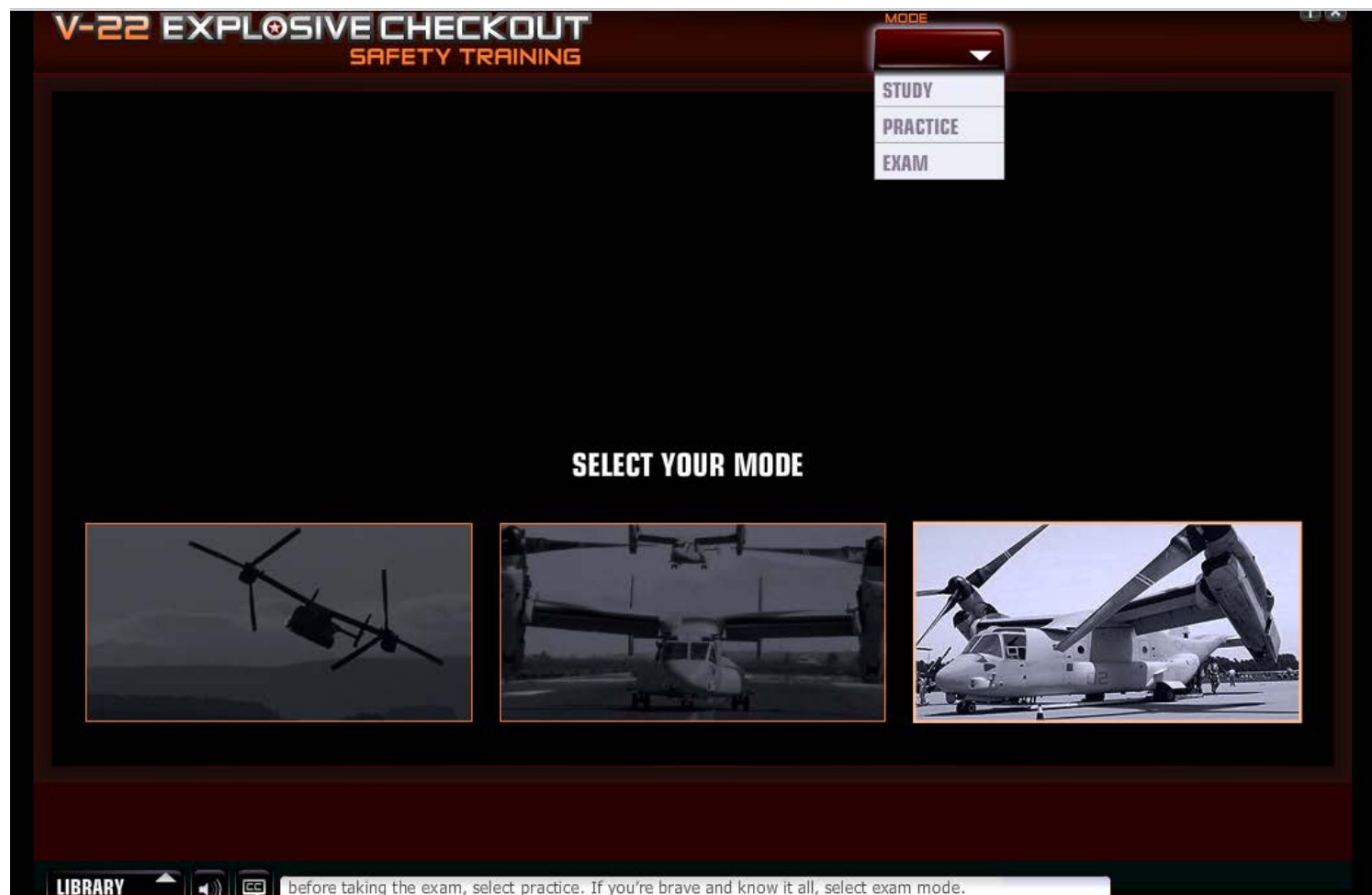

BUBBLE WRAP


DUNNAGE


INNER BARRIER BAG(S)

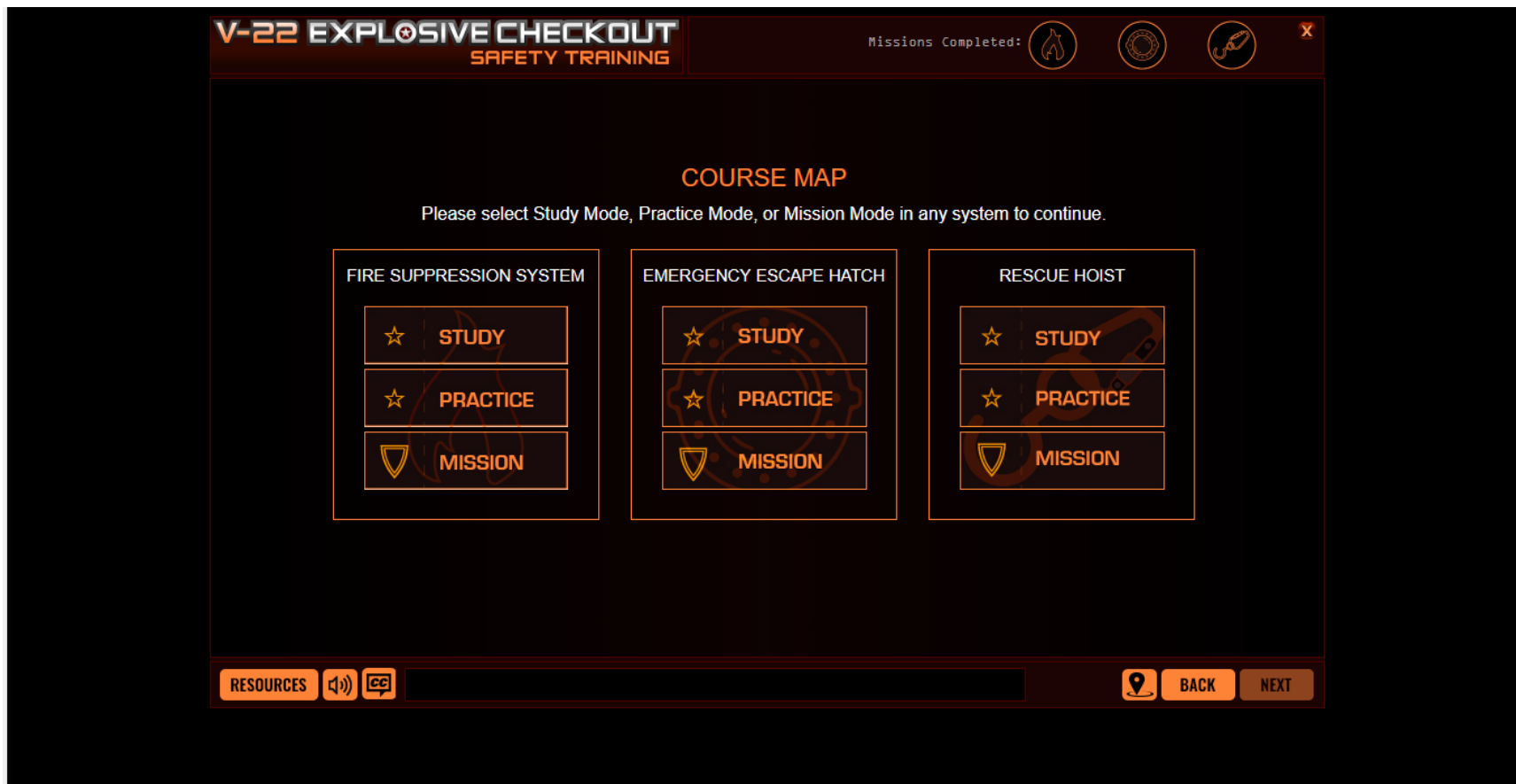
V-22 ECO TRAINING

Before



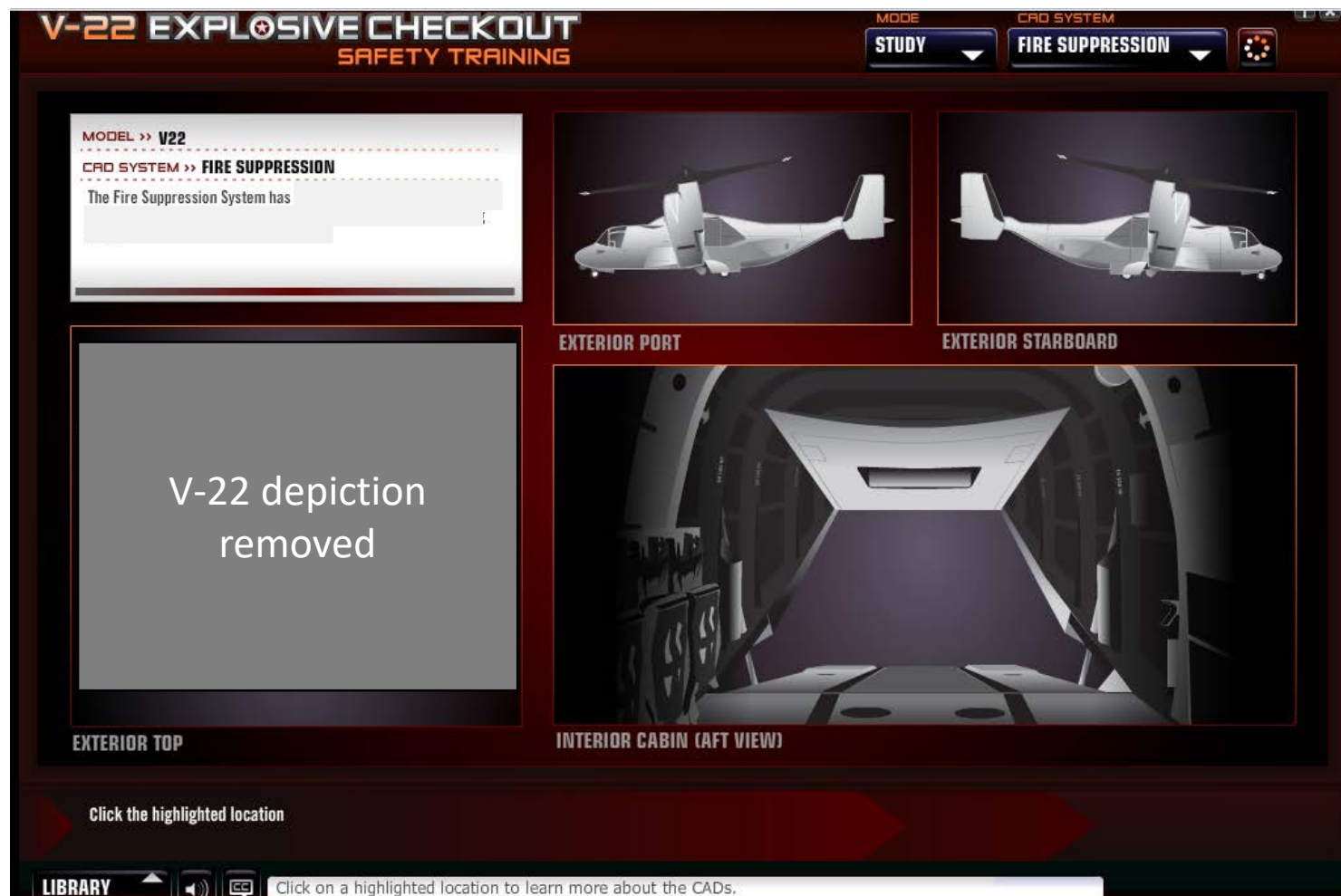
V-22 ECO TRAINING

After



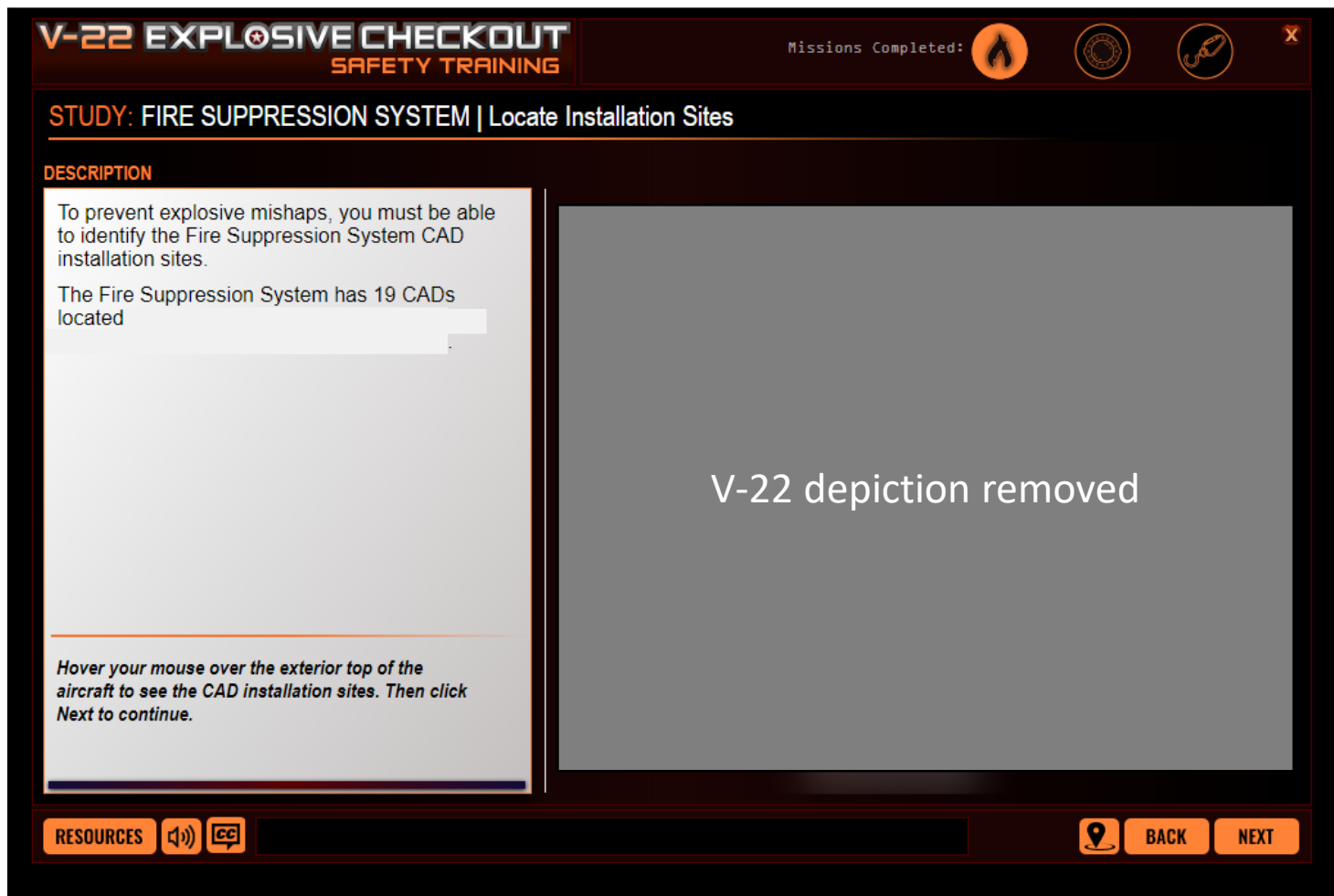
V-22 ECO TRAINING

Before






V-22 ECO TRAINING

After



V-22 EXPLOSIVE CHECKOUT
SAFETY TRAINING

Missions Completed:   

STUDY: FIRE SUPPRESSION SYSTEM | Locate Installation Sites




DESCRIPTION

To prevent explosive mishaps, you must be able to identify the Fire Suppression System CAD installation sites.

The Fire Suppression System has 19 CADs located

Hover your mouse over the exterior top of the aircraft to see the CAD installation sites. Then click Next to continue.

V-22 depiction removed

RESOURCES    BACK NEXT



CAD/PAD TRAINING DEMONSTRATIONS

WHAT'S NEXT?

- Distribute Safety Training DVDs with the NAVAIR 11-100-1.1 technical manual
- Release V-22 safety training update
- Begin H-60 safety training update
- Continue to update VFS tool training

QUESTIONS | FEEDBACK

- What works best for you in the current training?
- Do you have any problems with the training?
- What real world event or example do you think would make a good training scenario?
- What would make the training more relevant to your experience with CADs/PADs?
- Would you be willing and available to provide additional input or beta test new training?