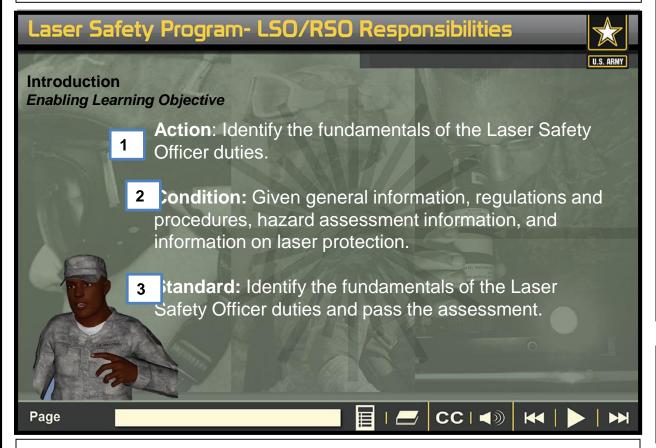
Lesson: Title Laser Safety Program – LSO Responsibilities

Enabling Learning Objective: Identify the Fundamentals



Number: LSO_02_01

Audio:

(1) On completion of this lesson you will be able to identify the fundamentals of the Laser Safety Officer duties.

Instructions to User:

Select NEXT to continue.

Graphic: CF03_06_09b_butt

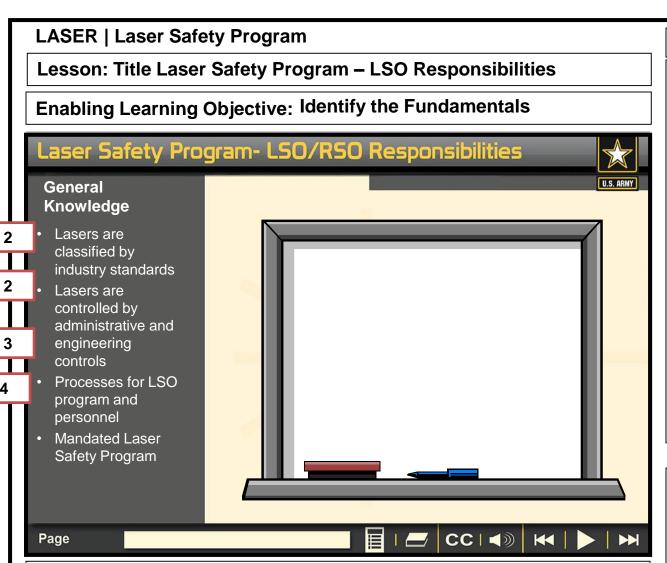
on_png – need Army Avatar

Ref:

Instructions to Developer:

Have avatar say the audio for this slide.

Show Action, Condition, and Standard while avatar is speaking in sync with audio markers. Need Army avatar.



Instructions to Developer:

- · Sync left text bullets and audio markers to audio text.
- Have whiteboard already on screen and bring graphics onto the white board. Bring
 graphics in one at a time, disappear each one as you bring the new one in. Leave #4 on
 the white board so it isn't blank and learner selects NEXT to continue
- Use these graphics, just size so they fit well and proportionally on the whiteboard one at a time.

Number: LM01_01_02

Audio:

- (1) Are there specific lasers that must be controlled or are lasers used by the military exempt from any regulations?
- (2) Lasers are classified by set industry standards and certain types must be located and controlled by military personnel on an installation or military site.
- (3) There are processes for both training the Laser Safety Officer and for implementing a Laser Safety Program.
- (4) A tiered set of rules from multiple agencies mandate actions for a Laser Safety Program, training, and the use of lasers by military personnel.

Instructions to User:

Select NEXT to continue.

Graphic: Safe laser.jpg

Ansi.jpg

Ref: Inspect.jpg

Chppm logo.com

2

Lesson: Title Laser Safety Program – LSO Responsibilities

Enabling Learning Objective: Identify the Fundamentals



Instructions to Developer:

Sync narration with left text. (1) synch to narration

Make each class tab a rollover and match each classification pop-up.

Auto to b slide.

Number: LSO_01_03a

Audio:

There are multiple laser classifications to include: (1)

- One
- One M
- Two
- Two M
- Three R
- Three B
- · And Class four
- (2) Classification is based on laser characteristics such as Energy/Power, Pulse Characteristics and Wavelength (Color).
- (3) Classification in turn determines control measures.

Instructions to User:

Graphic: Miles.jpg

Class 4 sign.jpg

Py the aversion response (0.25 sec) for unaided viewing Potentially hazardous if viewed with optical instruments (7 x 50 binoculars) Max exposure duration

0.25 s

Cannot exceed the Class 3B AEL

ogram

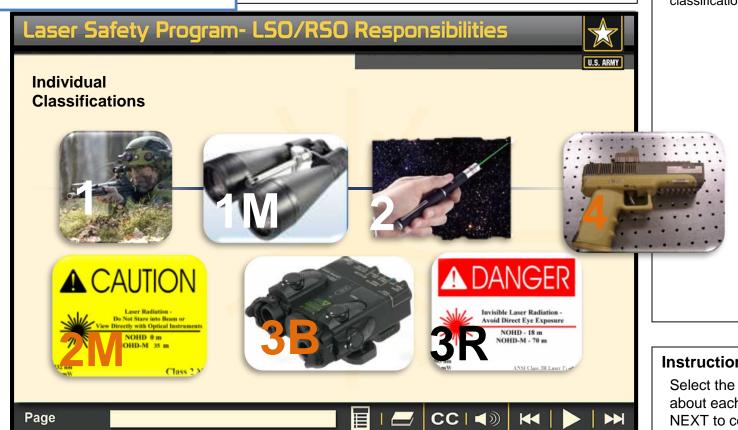
ty Program – LSO Responsibilities

tive: Identify the Fundamentals

Number: LSO_01_04

Audio:

For further information on each classification select each icon.



Instructions to Developer:

Allow user to roll over any icon for more information. Space icons proportionally on slide. Arrange in a logical, numeral order. Close each icon when mouse moves to another icon or return to this screen.

Instructions to User:

Select the icons to learn more about each class or, select NEXT to continue.

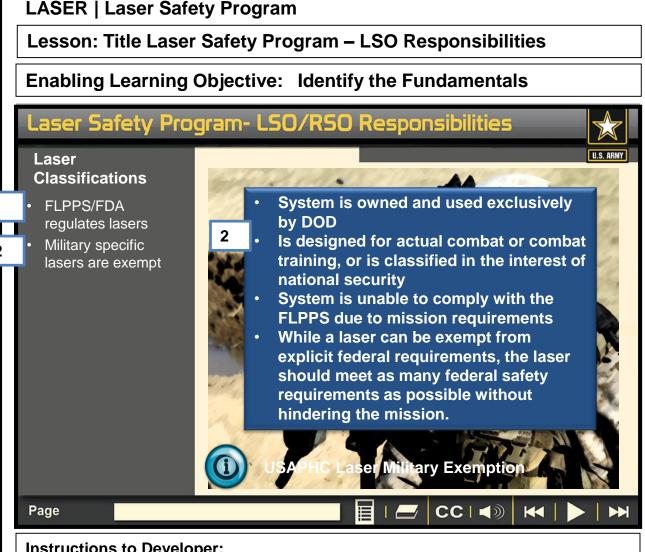
Graphic: Class 1 .jpg

Class 2M.jpg

Ref: Class 3B.jpg

Class 1M.jpg

Laser pointer.jpg
Class 4 example.jpg
Class 3B sign ipg



Number: LSO 01 06

Audio:

Laser systems entering commerce in the United States must comply with the (1) Federal Laser Product Performance Standard or F-L-P-P-S. The Food and Drug Administration or F-D-A, which regulates lasers in the US and (2) grants an exemption to these requirements for military specific laser systems when the system is exclusive to DOD, designed for actual combat, and is classified, or if a design requirement could compromise mission performance.

Instructions to User:

Select NEXT to continue.

Graphic:

Ref:

Instructions to Developer:

PDF: USAPHC Laser Military Exemption

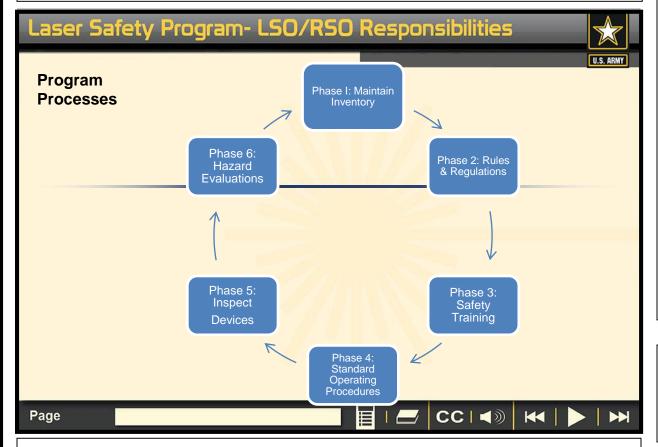
Ensure that nametap is blurred to ensure no one can read it.

Have picture up on screen to start then bring in text box with cue. Make opaque so

USAPTIC icon and text can be seen by learner.

Lesson: Title Laser Safety Program – LSO Responsibilities

Enabling Learning Objective: Identify the Fundamentals



Instructions to Developer:

- Each phase needs to be selectable and linked to its (letter slide). Not an autoadvance but each phase links to the notepad slide with each separate phase to read. X to close each phase and return to this screen.
- Use all blue shades or green for text boxes, whichever looks better.
- Grey out as user selects each term, enable NEXT icon after all sections have been viewed. Per SME request.

Number: LSO_01_07a

Audio:

This process illustrates the components of a successful laser safety program. It is an overview of the duties and responsibilities of a laser safety officer.

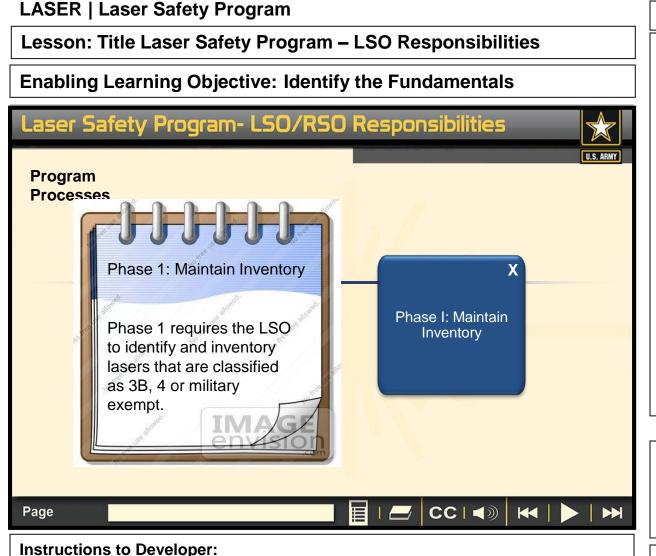
It is important to report all overexposure through command channels and include the command Radiation Staff Safety Officer or R-S-S-O.

Select each phase to learn more.

Instructions to User:

Select each Phase to learn more, then select NEXT to continue.

Graphic: Smart Art



Number: LSO_01_07b

Audio:

[There is no audio text.]

Instructions to User:

Select X to close.

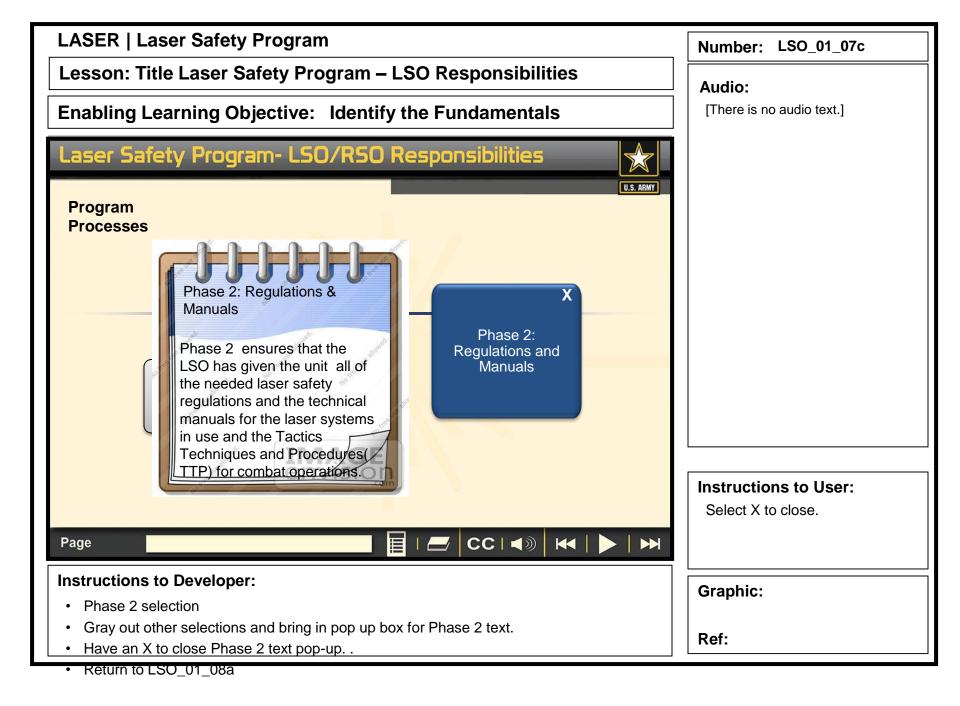
Graphic:

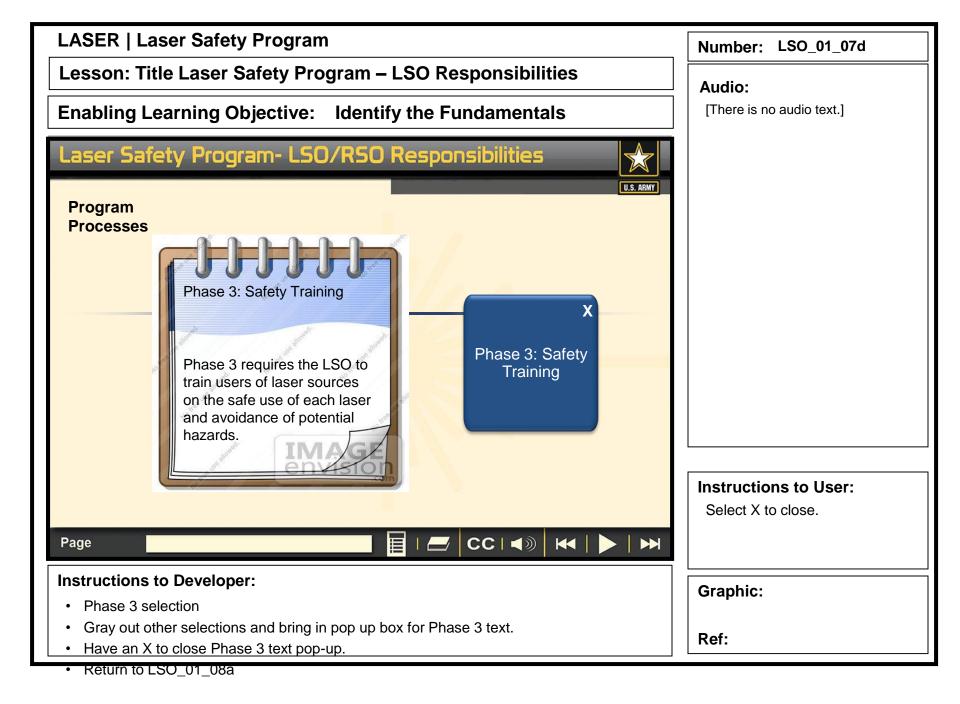
© will need to change notep but keep as close to possible

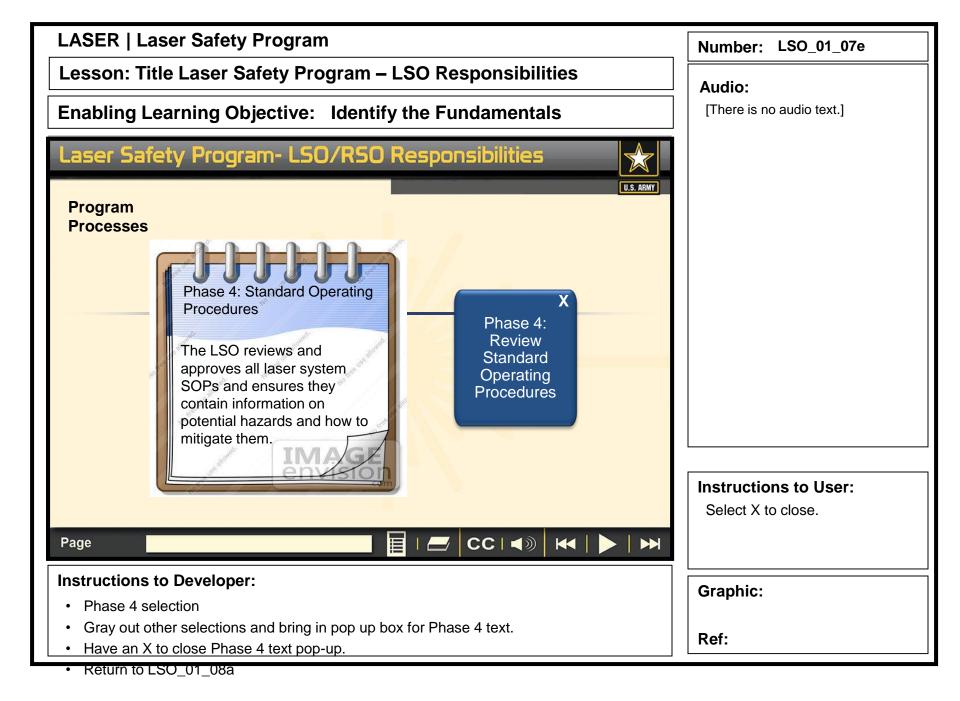
gray or light green top instea

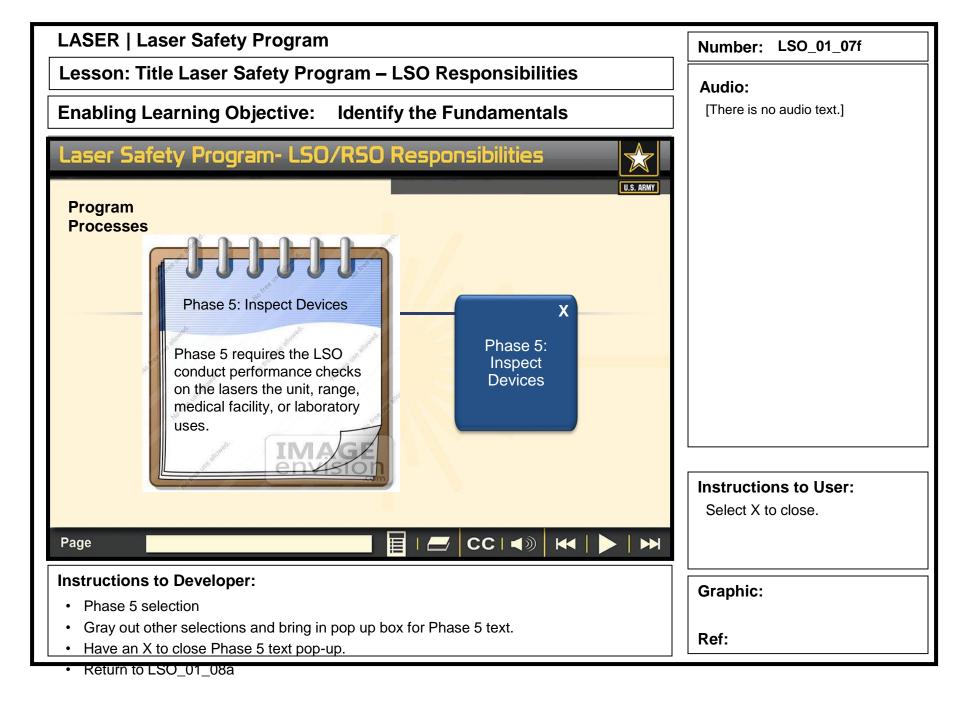
Ref: blue

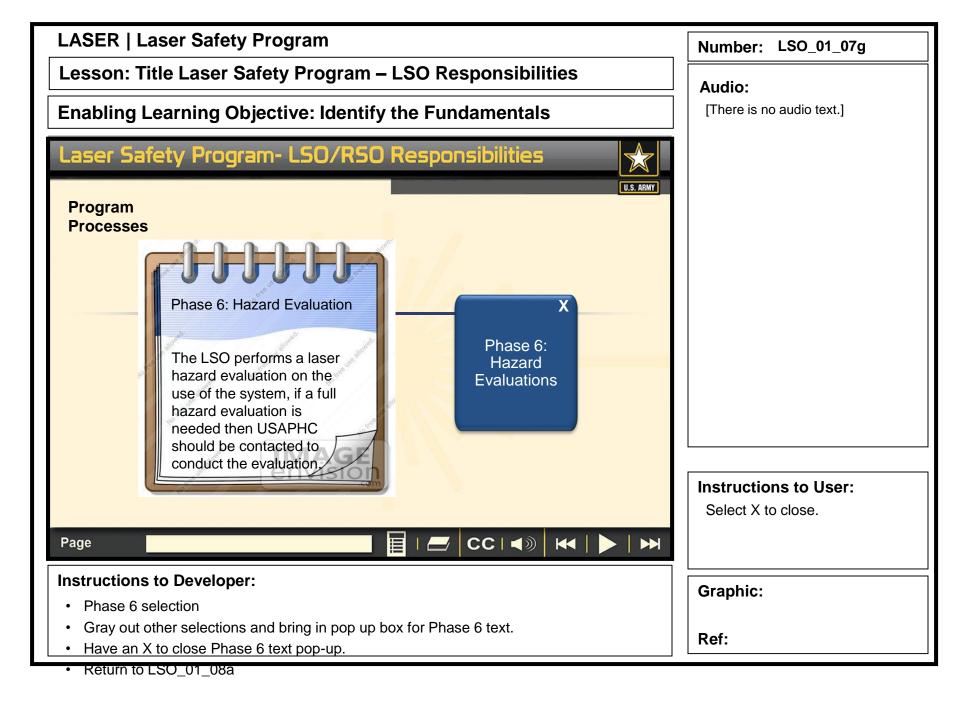
- Phase 1 selection pop-up
- Gray out other selections and bring in pop up box for Phase 1 text.
- Have an X to close Phase 1 text.
- Return to LSO_01_08a











Lesson: Title Laser Safety Program – LSO Responsibilities

Enabling Learning Objective: Identify the Fundamentals

Laser Safety Program- LSO/RSO Responsibilities U.S. ARMY **Need for Safety Program** 3a stays **New Program** until end Revisit Program of audio CC I ◀测

Instructions to Developer:

Page

Circle graphic is smart art, will need to recreate. Have circle graphic already on screen. Text then graphic will go on the circle. Circles should be varying shades of blue as my example. for circle center – should just say Assessment Processes have that already in art when screen comes up. Text goes in at #3 audio marker, and graphics go on top of smart art at audio marker #3a.

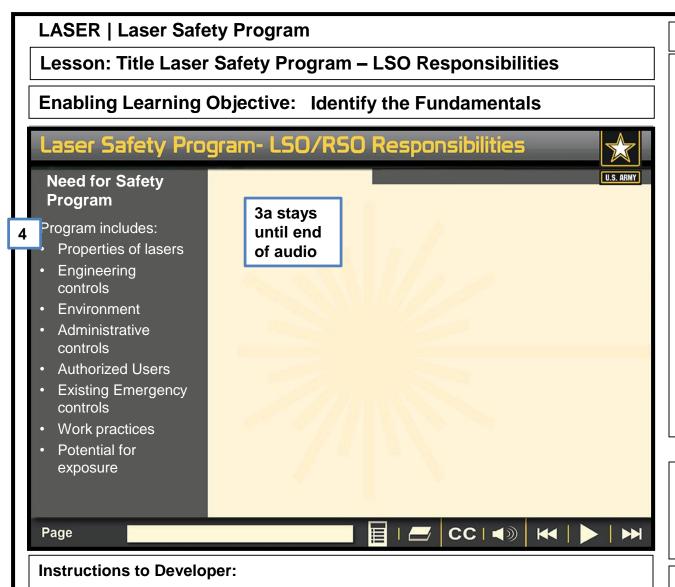
Checklist and boxes are clip art, recreate. Other graphics are jpg however clean up googles and laser sign to clear out white and vellow backgrounds. Make graphics fit and Number: LSO_01_08a

Audio:

- (1) An assessment is completed by Public Health Command. You must have an LSO Safety Program in place for all laser systems. (2) A new installation includes setup of a relocated laser, regardless of laser age.
- (3) A new hazard assessment should also be performed when a significant change is made to the original laser setup. (3a) Examples include moving a laser to a new location in a lab, from a helicopter mount to a tank mount, or other changes which may require a change in engineering controls or operating procedures.

Instructions to User:

Graphic:



Have circle graphic already on screen with graphics during the audio.

Number: LSO_01_08b

Audio:

(4) A program will include consideration of the properties of the laser, engineering controls, the environment in which it is located, administrative controls, who are authorized users, existing emergency controls, work practices and procedures, and the potential for exposure.

Instructions to User:

Select NEXT to continue.

Graphic: Laser lab.jpg

Laser sign 2.jpg

Ref: Goggles2.jpg

Signing1.jpg



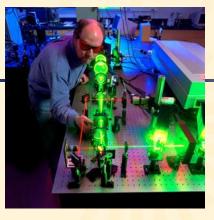
Lesson: Title Laser Safety Program – LSO Responsibilities

Enabling Learning Objective:

Laser Safety Program- LSO/RSO Responsibilities



Steps





Steps For Laser Movement or New Laser Installation

Page











Instructions to Developer:

Sync graphics and audio.

Enable info button to pop-up steps with an X to close. Info button is clip art, recreate but keep similar.

Make pop-up printable with print icon per SME request.

Number: LSO 01 09

Audio:

(1) When moving a laser or before a new installation there are steps that need to be followed to ensure an appropriate installation at its location.

(2) An L-S-O will have multiple tasks during this process.

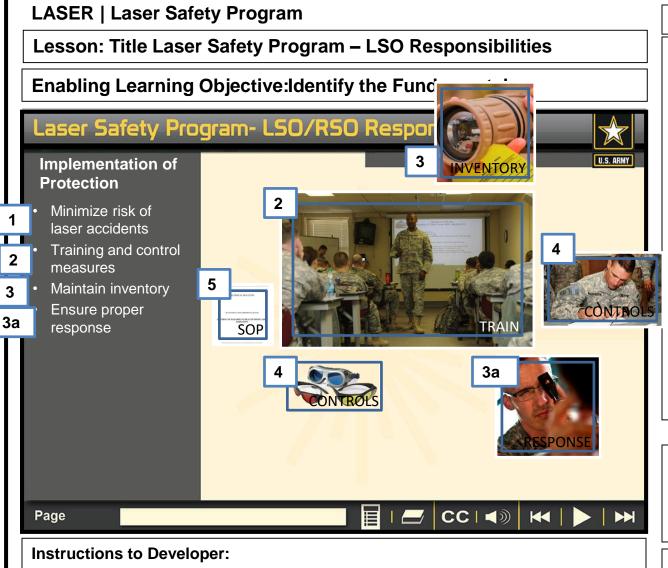
Select the information icon to view a list of the steps for the process.

Instructions to User:

Select the information icon, or select NEXT to continue.

Graphic: Danger.jpg

lab laser.jpg



Bring in left text with matching audio cues.

Bring in 1-3a graphics in sync with audio cues for this slide.

Number: LSO_01_10a

Audio:

(1) Laser safety is safe design, use, and implementation of lasers to minimize the risk of laser accidents.

As the LSO you must:

(2) Provide appropriate training and control measures. (3) Maintain an accurate inventory of class three b, class four, and military exempt laser systems, document annual inventories of class three b and four lasers and laser locations, and (3a) ensure the proper response to accidents and incidents involving laser systems.

Instructions to User:

Graphic: Training 2.jpg

Inspect.jpg

Ref: Eye exam.jpg



Number: LSO_01_10b

Audio:

- (4) There may be requirements to implement administrative, procedural, or engineering controls over laser systems.
- (5) It is crucial to maintain standard operating procedures or S-O-Ps which contain standards to follow, revise and possibly create as well as other controls to protect laser users.

Select the icon to view Marine Unit Laser Range Safety tasks.

Instructions to User:

Select unit tasks or, select NEXT to continue.

Graphic: Signing 2.jpg

Goggles.jpg

Ref: AR 25-400-2.jpg

Bring in left text with matching audio cues.

Bring in graphics 4 and 5 graphics in sync with audio cues for this slide.

Icon needs to be selectable with Unit laser Tasks PDF to open for the learner.



Lesson: Title Laser Safety Program – LSO Responsibilities

Enabling Learning Objective: Identify the Fundamentals



Number: LSO_01_11

Audio:

There are many rules, regulations, and checklists for Laser Safety Programs. It is critical you maintain a library of these materials in order to train others, conduct inspections, and report incidents.

Select the icons to view regulations.

Instructions to User:

Select icons for further information or select NEXT to continue.

Graphic: Books from SP db

Ref:

Instructions to Developer:

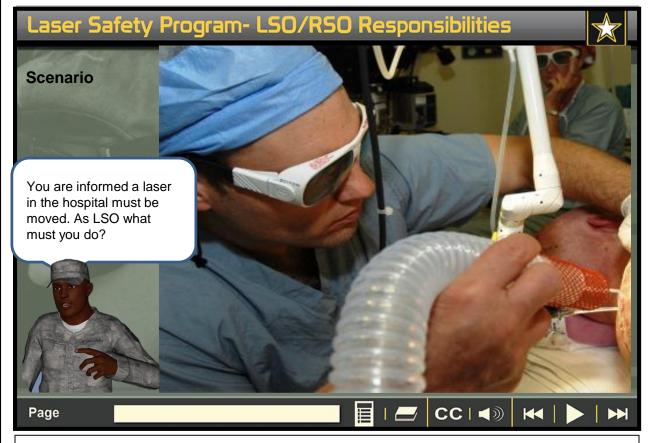
Make icons selectable with PDF files for download by the learner.

Have book graphic and icons already on screen.

SME wants text hyperlinked to current versions. May need to get web addresses from them.

Lesson: Title Laser Safety Program – LSO Responsibilities

Enabling Learning Objective: Identify the Fundamentals



Instructions to Developer:

Have avatar move to question being spoken. Will need to develop an Army male avatar. Advance to 13b

Number: LSO_01_12a

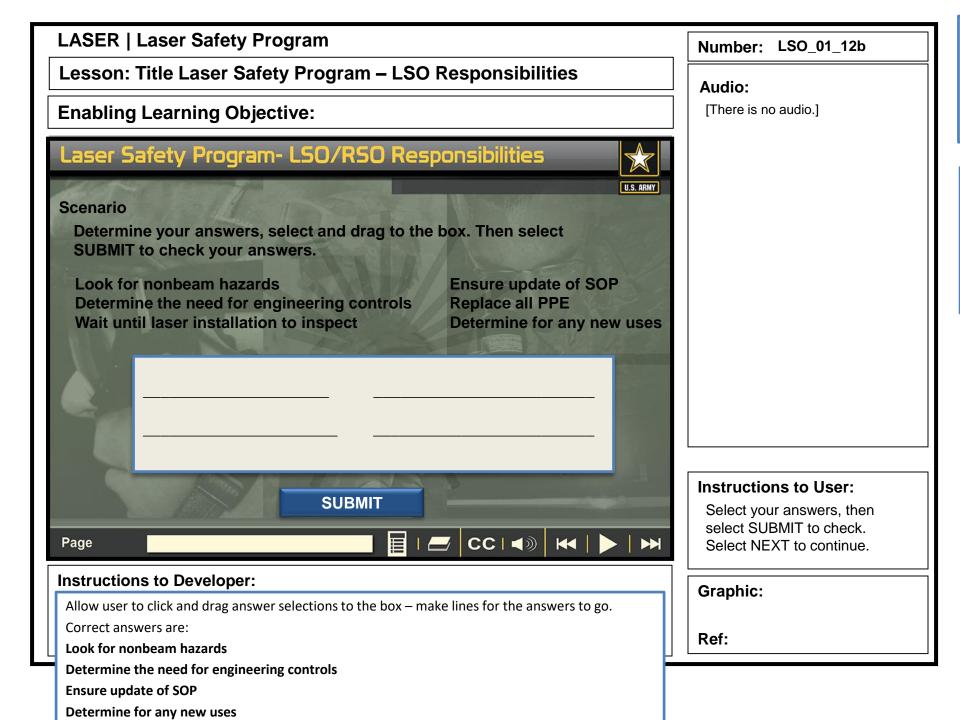
Audio:

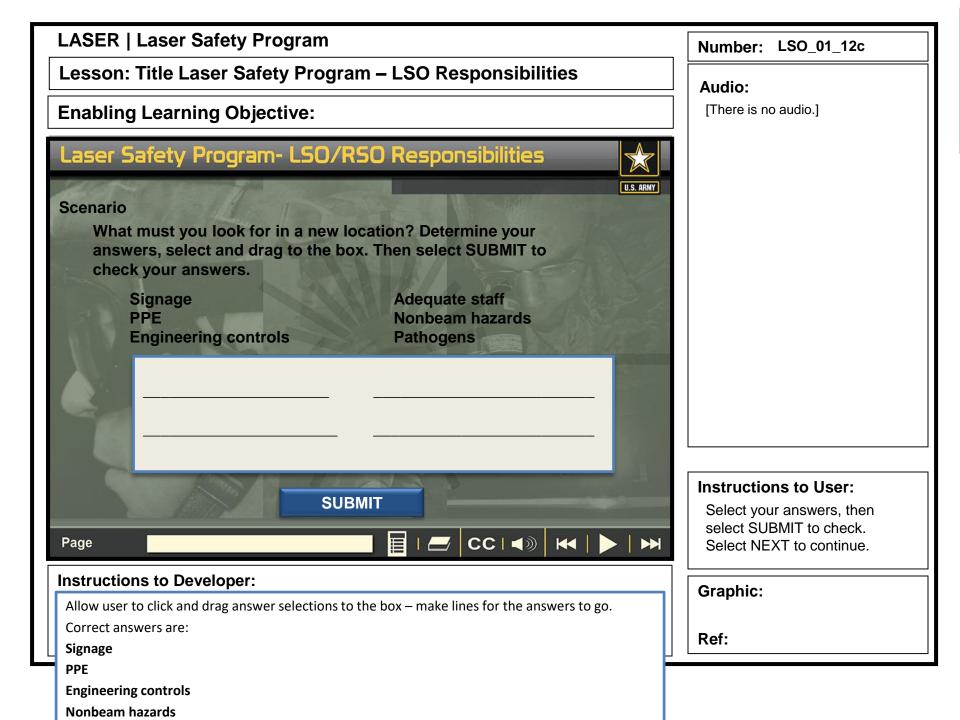
You are informed a laser in the hospital must be moved. As LSO what must you do?

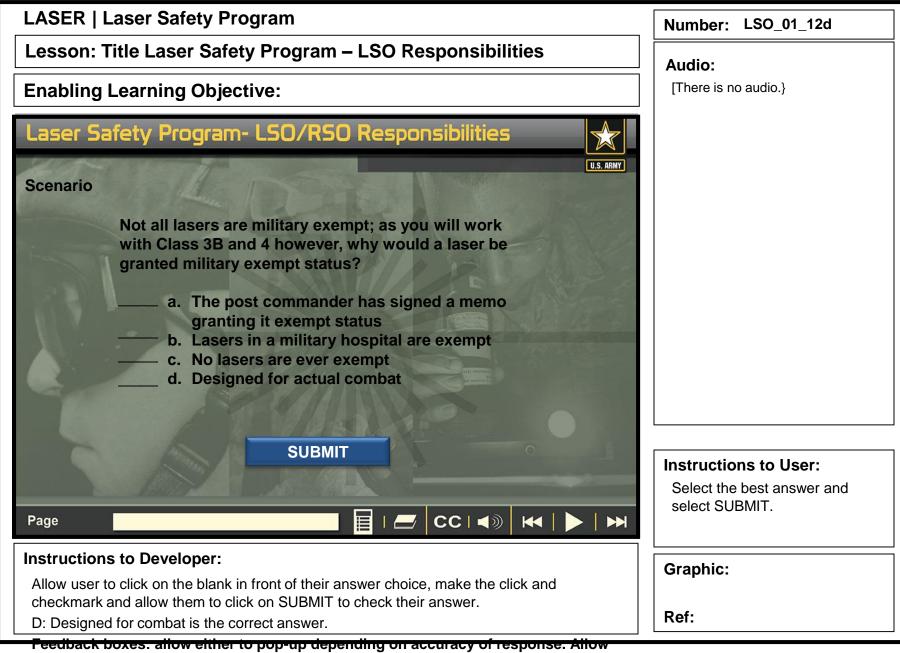
Answer the following questions.

Instructions to User:

Graphic: Med laser use.jpg







user to try again if incorrect. After second attempt show 2nd Incorrect feedback with correct responses then allow them to select next to continue.

Lesson: Title Laser Safety Program – LSO Responsibilities

Enabling Learning Objective:Identify the Fundamentals



Number: LSO_01_13

Audio:

This lesson provided the knowledge and skills necessary to identify the fundamentals of the Laser Safety Officer duties. Use the resources included to help you find out more as you learn in your position.

Instructions to User:

Select NEXT to continue.

Graphic: Need Army Avatar

Ref:

Instructions to Developer:

Have avatar say the audio for this slide.

Avatar is speaking in sync with audio markers. Need Army avatar.