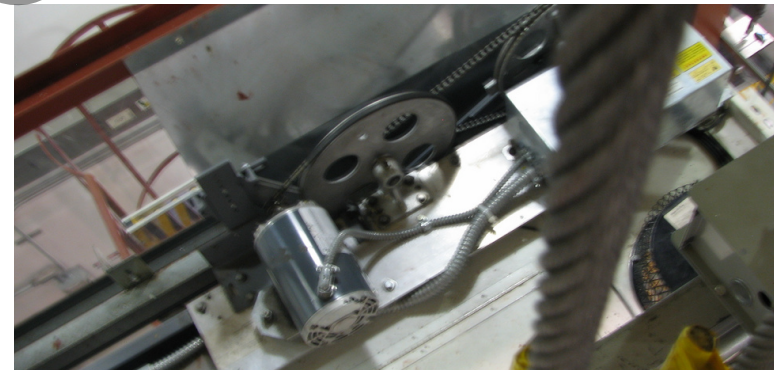
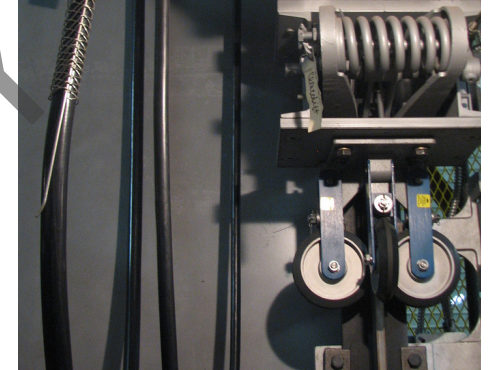
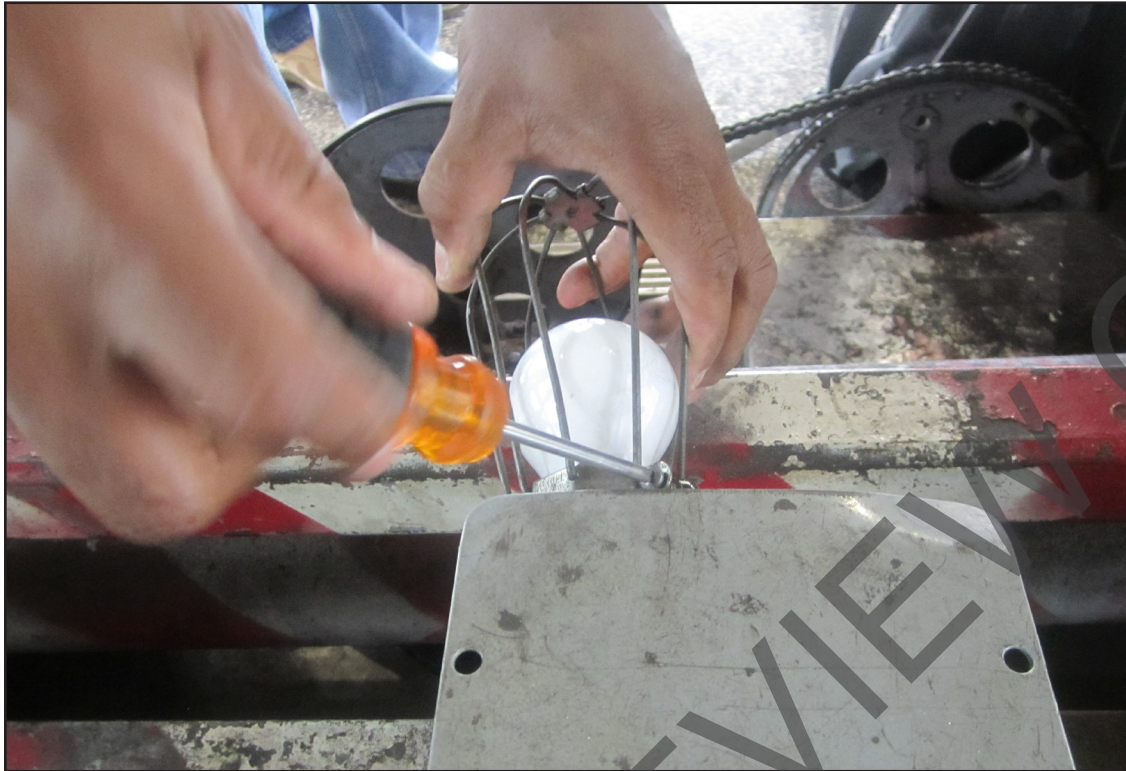


Instructor Guide



219: Elevator: Inspection and Basic Maintenance Module 4: Emergency Equipment

Elevator – Emergency Equipment

Instructor's Guide



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Sensory Inspection.....	11
Emergency Equipment in Elevator Systems.....	14
Fire Service Phase I & II.....	24
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Elevator – Emergency Equipment

Instructor's Guide



Icons Used In This Guide

-  **REVIEW** slides
-  **ASK**
-  **CLASSROOM ACTIVITY**
-  **SMALL GROUP ACTIVITY**
-  **INDIVIDUAL ACTIVITY**
-  **WRITE**
-  **Multimedia**
-  **REFER** participants to

Agenda

Topic #	Topic Title	Duration
1	Overview	30 Minutes
2	Sensory Inspection	10 Minutes
3	Emergency Equipment	30 Minutes
4	Fire Service	20 Minutes
5	Field Trip	120 Minutes
6	Summary	30 Minutes
	Total Time:	240 Minutes

Elevator – Emergency Equipment

Instructor's Guide



Overview

Purpose The purpose of this module is to:

Provide the participant with an overview of the tasks involved in inspecting and maintaining emergency equipment in a transit elevator system.

Objectives

At the end of this lesson, the transit elevator/escalator trainee will be able to:

- List emergency equipment which requires inspection and maintenance
- Perform operational test on emergency equipment for transit elevators
- Discuss and test Fire Service Phase I & II operations

Materials

Mandatory Make sure you have the following

- PowerPoint Presentation
- Coursebook
- Quizzes
- Pencils
- Paper

Optional

You may also want the following for optional activities:

- Chalk board with chalk, large paper with marker, etc.
- Internet connection
- Lab, simulator or out of service elevator
- Tech Tip

Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 240 min

This section: 30 min (6 slides)

Section start time: _____

Section End Time: _____

DO



REVIEW introduction slides

Instructor's Notes

SAY

In your own words:

Welcome to the course on the inspection and maintenance of emergency equipment.

Advance

Riders depend on us. The effective operation of emergency equipment in transit stations will be critical in an emergency situation as well as other times when possibly needed.

Advance

Materials Needed

✓ PPT slides 1, 2



Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 240 min

This section: 30 min (6 slides)

Section start time: _____

Section End Time: _____

DO



REVIEW module objectives

Instructor's Notes

SAY

In your own words:

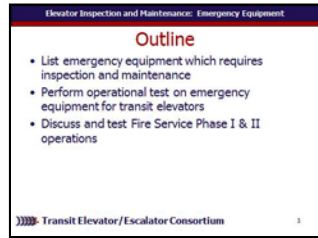
Today we will

- List emergency equipment which requires inspection and maintenance
- Perform operational test on emergency equipment for transit elevators
- Discuss and test Fire Service Phase I & II operations

Advance

Materials Needed

✓ PPT slide 3



Elevator – Emergency Equipment

Instructor's Guide



Module Length: min Time remaining: 240 min This section: min (slides) Section start time: _____ Section End Time: _____

DO



REVIEW key terms

Instructor's Notes

SAY

In your own words:

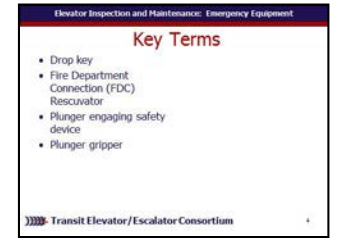
Lets take a look at some of the key words we will be defining as move through this module:

- Drop key
- Fire Department Connection (FDC) Rescuvator
- Plunger engaging safety device
- Plunger gripper

Advance

Materials Needed

✓ PPT slide 4



Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 240 min

This section: 30 min (6 slides)

Section start time: _____

Section End Time: _____

DO



ASK participants what they remember about safety and elevators



SMALL GROUP ACTIVITY



WRITE

Instructor's Notes

SAY

In your own words:

Thinking back to other courses or just in general, what is some emergency equipment found in elevator systems?

What emergency equipment may require inspection or maintenance?

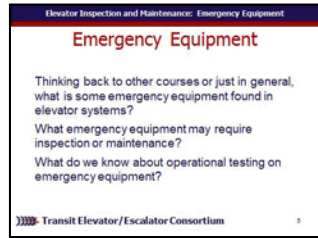
What do we know about operational testing on emergency equipment?

Allow participants to think for a minute and perhaps discuss with a partner ideas as well as write down any ideas. Discuss participant responses and if possible list them on a chalk board or similar.

Advance

Materials Needed

✓ PPT slide 5



- ✓ Chalk board or large paper
- ✓ Blank Paper
- ✓ Writing instruments

Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 240 min

This section: 30 min (6 slides)

Section start time: _____

Section End Time: _____

DO

SAY

Materials Needed



REVIEW slide

In your own words:

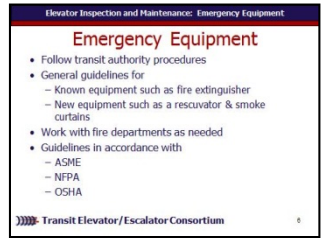
Each transit authority has its own methods and procedures regarding maintenance of emergency equipment and the course participant should follow their authority's established guidelines for such maintenance.

Advance The guidelines presented here in this module are general guidelines for elevator technicians who must maintain emergency equipment in the transit elevator systems.

The participant is likely familiar with equipment such as fire extinguishers, smoke detectors, and sprinkler systems which require periodic inspection, maintenance, and testing. But there is other equipment that may not be as familiar to the participant such as a **rescuator** or **smoke curtains**.

Do Not Advance

✓ PPT slide 6



Instructor's Notes

Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 240 min

This section: 30 min (6 slides)

Section start time: _____

Section End Time: _____

DO

SAY

Materials Needed



REVIEW slide

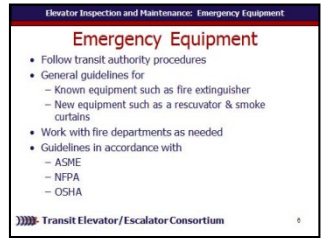
In your own words:

This module lists these and other emergency equipment with the intention to demonstrate to the technician how to inspect, maintain, and even test such equipment.

Advance Many transit properties work in tandem with their local fire departments with respect to the operational inspection and maintenance of emergency equipment. Because the responsibilities of elevator technicians involve periodic regular maintenance and inspection, they are generally the first to check on emergency equipment and, should anything be amiss, either fix or alert the fire authorities.

Advance

✓ PPT slide 6



Instructor's Notes

Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 240 min

This section: 30 min (6 slides)

Section start time: _____

Section End Time: _____

DO

SAY

Materials Needed



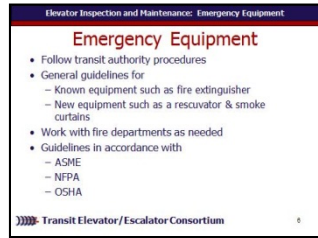
REVIEW slide

In your own words:

Various organizations develop code specifications for the type, location, suitability, and installation of emergency equipment that is found in transit elevator system. Along with local jurisdictional directives, transit properties follow strict guidelines through organizations such as the American Society of Mechanical Engineers (ASME); the National Fire Protection Association (NFPA); and the federal and state directives of the Occupational Safety & Health Administration (OSHA). Most of the guidelines for emergency equipment for elevators are found in ASME A17.1 and NFPA 14 and these are referenced throughout this module.

Advance

✓ PPT slide 6



Instructor's Notes

Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 210 min

This section: 10 min (2 slides)

Section start time: _____

Section End Time: _____

DO

SAY

Materials Needed



REVIEW slide

In your own words:

During a **sensory inspection** a good elevator technician relies on the **physical senses** of sight, smell, hearing, and touch while inspecting and maintaining the elevator emergency equipment.

Ask

What may indicate a problem with elevator emergency equipment as indicated by sight?

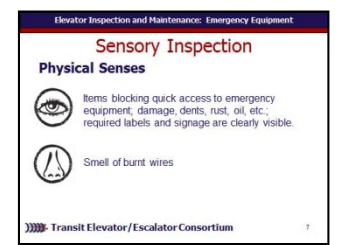
Discuss answers

Advance for sample answers

Items blocking quick access to emergency equipment; damage, dents, rust, oil, etc.; required labels and signage are clearly visible.

Advance

✓ PPT slide 7



Instructor's Notes

Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 210 min

This section: 10 min (2 slides)

Section start time: _____

Section End Time: _____

DO



REVIEW slides

Instructor's Notes

SAY

In your own words:

Ask

What may indicate a problem with elevator emergency equipment as indicated by smell?

Discuss answers

Advance for sample answers

Smell of burnt wires.

Advance

Ask

What may indicate a problem with elevator emergency equipment as indicated by touch?

Discuss answers

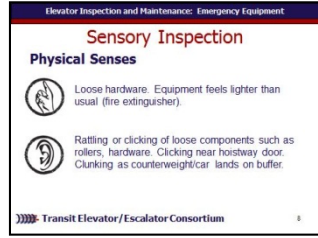
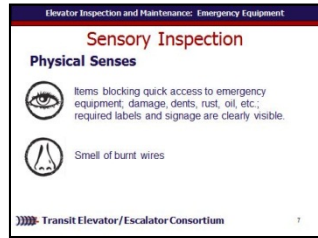
Advance for sample answers

Loose hardware. Equipment feels lighter than usual (fire extinguisher).

Advance

Materials Needed

✓ PPT slides 7, 8



Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 210 min

This section: 10 min (2 slides)

Section start time: _____

Section End Time: _____

DO



REVIEW slide

Instructor's Notes

SAY

In your own words:

What may indicate a problem with elevator emergency equipment as indicated by hearing?

Discuss answers

Advance for sample answers

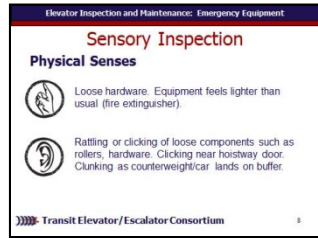
Rattling or clicking of loose components such as rollers, hardware. Clicking near hoistway door. Clunking as counterweight/car lands on buffer.

With more experience, you will become more familiar with the normal sights, smells, sounds and feel of the system. During a sensory inspection, check for deviations from this norm.

Advance

Materials Needed

✓ PPT slide 8



Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 200 min

This section: 30 min (15 slides) Section start time: _____ Section End Time: _____

DO

SAY

Materials Needed



REVIEW slide

In your own words:

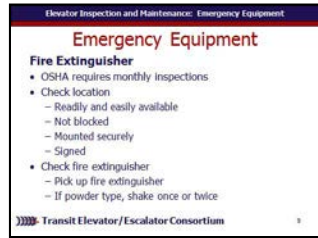
This is probably the most recognized piece of emergency equipment. OSHA requires monthly inspections.

Advance Check that the fire extinguisher is readily and easily available, not blocked by any objects or difficult to get to in any way. It should be mounted securely and there should be a sign above it that shows there is a fire extinguisher in that location. Remove anything blocking access to the fire extinguisher.

Advance Your next check will be to pick the fire extinguisher up. If it is a powder type of fire extinguisher, you should give it a shake or two to prevent the powder from settling.

Advance

✓ PPT slide 9



Instructor's Notes

Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 200 min

This section: 30 min (15 slides) Section start time: _____ Section End Time: _____

DO

SAY

Materials Needed



REVIEW slide

Instructor's Notes

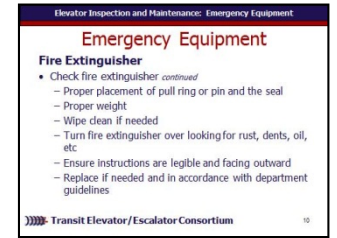
In your own words:

Check the **pull ring or pin** and the **seal** are in place and the extinguisher is in its proper place. The seal is typically a tie wrap or similar device which will have to be broken to use the fire extinguisher.

Check that it doesn't feel lighter than usual or lighter than others of the same size. Turn the fire extinguisher around in your hands, checking all angles and portions for dents, rust, oil, etc. If there is oil or any substance on it, wipe it off. If there is rust – look especially on the bottom and underside of extinguisher – or severe abuse, follow your department's guidelines for replacement. Check to make sure the instructions on it are legible and the label is facing outward

Advance

✓ PPT slide 10



Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 200 min

This section: 30 min (15 slides) Section start time: _____ Section End Time: _____

DO



REVIEW slide



ASK

Instructor's Notes

SAY

In your own words:

Here is a photo of a labeled fire extinguisher located in a machine room in SEPTA. You can see the seal and pull ring.

Ask

What should we check for with regard to these two items?

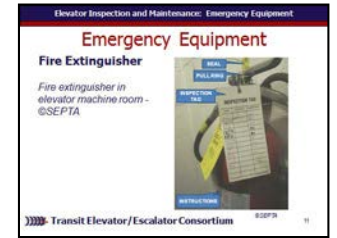
Answer: Proper placement.

You can also see the inspection tag and instructions clearly visible and up-to-date.

Advance

Materials Needed

✓ PPT slide 11



Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 200 min

This section: 30 min (15 slides) Section start time: _____

Section End Time: _____

DO

SAY

Materials Needed



REVIEW slides

Instructor's Notes

In your own words:

Emergency communication devices such as a phone, "push-to-talk" or auto-dialer are placed in the machine room, pit, and inside each elevator.

Advance ASME A17.1 requires that each elevator to be equipped with emergency two-way communication systems between the elevator and a point outside the hoistway.

Advance Check that the telephone or communication system is operating. If not operating, follow your Authority's procedures to notify the responsible department that will fix immediately.

Advance

Here is an example of an auto-dialer inside an elevator.

Advance

✓ PPT slides 12, 13



Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 200 min

This section: 30 min (15 slides) Section start time: _____

Section End Time: _____

DO



REVIEW slides

Instructor's Notes

SAY

In your own words:

Here is an example of an attendant phone inside an elevator.

Advance

ASME A17.1 requires sprinkler systems conforming to NFPA 13 to be installed in the hoistway, machinery space, machine room, control space, or control room.

Advance In several transit agencies, inspecting sprinkler systems is the responsibility of the local fire department and outside the scope of the mechanic.

Advance Nevertheless, the elevator technician can note any cracks, leaks, or visible malfunction of the sprinkler systems whenever during their normal inspection and maintenance routine.

Do Not Advance

Materials Needed

✓ PPT slides 14, 15



Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 200 min

This section: 30 min (15 slides) Section start time: _____

Section End Time: _____

DO

SAY

Materials Needed



REVIEW slides

Instructor's Notes

In your own words:

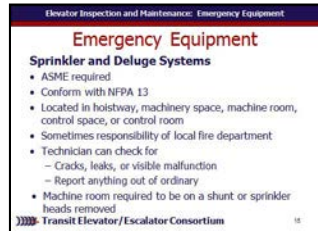
Anything out of the ordinary should be immediately noted and reported according to the transit agency's procedures.

Advance Note: if the machine room is equipped with a sprinkler system, ASME code requires that it is on a shunt (by-pass system) or the sprinkler heads removed. Some local governments require that the sprinkler systems be inspected by licensed fire protection personnel.

Advance
ASME 17.1 elevator safety code stipulates that smoke detectors should be located in the elevator machine room, hoistway, and in the elevator lobby on each floor. As the elevator technician performs preventative maintenance tasks, he or she should note any cracks or visibly malfunction of smoke detectors.

Advance

✓ PPT slides 15, 16



Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 200 min

This section: 30 min (15 slides) Section start time: _____

Section End Time: _____

DO

SAY

Materials Needed



REVIEW slides

Instructor's Notes

In your own words:

Check for any unusual noise being emitted from the unit. Anything out of the ordinary should be immediately noted and reported according to the transit agency's procedures.

Advance

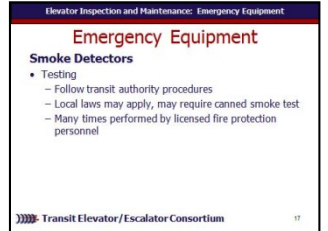
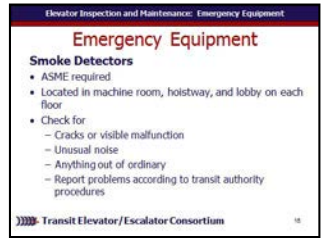
Follow your agency's procedures with respect to testing smoke detectors. Local laws may require that smoke detectors to be checked every year using canned smoke to test and ensure that each head and system is operating properly. In many instances this work is done by licensed fire protection personnel.

Advance

Here is a smoke detector in a hoistway.

Advance

✓ PPT slides 16, 17, 18



Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 200 min

This section: 30 min (15 slides) Section start time: _____ Section End Time: _____

DO

SAY

Materials Needed



REVIEW slide

In your own words:

Alarm Bell

Advance Activate the audible alarm push button, shown in in the car operating panel and verify the alarm bell sounds. If not functioning as designed, correct or report the defect as required. In some instances the alarm bell is connected to the in-car auto-dialer.

Security Camera

Advance Check and test according to your transit authority's recommended procedures.

Advance

✓ PPT slide 19



Instructor's Notes

Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 200 min

This section: 30 min (15 slides) Section start time: _____

Section End Time: _____

DO

SAY

Materials Needed



REVIEW slides

Instructor's Notes

In your own words:

There are two sets of keys that the elevator technician should check: **drop keys** and fire service keys.

Advance Check that firefighter's keys are in the designated location and that they are available. Check the keys for damage and check that they work properly as designed.

Advance

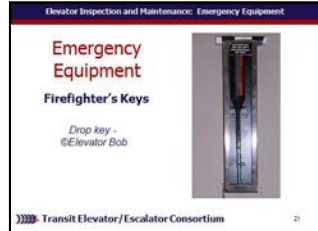
Here is an example of a drop key.

Advance

The **rescuator** is a battery operated auxiliary power device that automatically activates during a power loss.

Advance

✓ PPT slides 20, 21, 22



Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 200 min

This section: 30 min (15 slides) Section start time: _____

Section End Time: _____

DO



REVIEW slides

Instructor's Notes

SAY

In your own words:

The rescuator comes on while all elevator safety features remain in operation and causes the stalled hydraulic elevator car to descend to the lowest landing.

The rescuator is mounted in a metal enclosure and includes a non-spillable, sealed, maintenance-free battery which never requires water. Check for connections and keep the area around the rescuator clean and dust-free. For testing and inspecting, the elevator technician should always follow the manufacturer's recommendations and the transit agency's procedures.

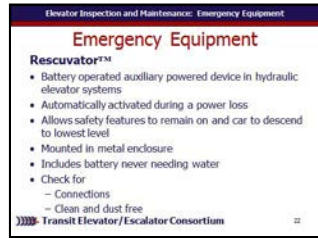
Advance

For testing and inspection of a rescuator, follow your transit authority procedures as well as manufacturer recommendations.

Advance

Materials Needed

✓ PPT slides 22, 23



Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 170 min

This section: 20 min (10 slides) Section start time: _____

Section End Time: _____

DO

SAY

Materials Needed



REVIEW slide

In your own words:

Sometimes referred to as “Firefighters’ Service” this is a term that describes how an elevator

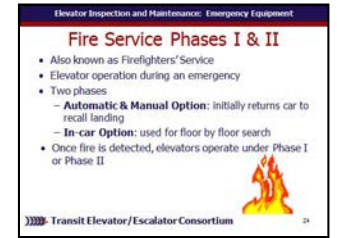
should operate during a fire or other type of emergency. Consisting of two phases, Firefighters’ Service provides an automatic and manual option to initially return all elevators to the floor designated as the recall landing and an in-car operation option for firefighters searching a building floor by floor.

Advance Under ASME A17 standards, once a fire has been detected, elevators operate under either Phase I or Phase II regulations.

The Phase I recall switch is outside the elevator where the hall call buttons are located. The Phase II switch is inside the elevator car where buttons are located.

Do Not Advance

✓ PPT slide 24



Instructor's Notes

Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 170 min

This section: 20 min (10 slides) Section start time: _____

Section End Time: _____

DO

SAY

Materials Needed



REVIEW slides

Instructor's Notes

In your own words:

The elevator technician needs to be keenly aware of what these phases mean as they go about their work of inspecting and maintaining transit elevators. Follow the directions on the operating instruction label. Experienced elevator mechanics consider it a best practice to perform a monthly check of fire service switches. Check for rust or switches being frozen in place. Test the keys.

Advance

The elevator technician needs to be keenly aware of what these phases mean as they go about their work of inspecting and maintaining transit elevators. Follow the directions on the operating instruction label. Experienced elevator mechanics consider it a best practice to perform a monthly check of fire service switches. Check for rust or switches being frozen in place. Test the keys. **Advance**

✓ PPT slides 24, 25



Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 170 min

This section: 20 min (10 slides) Section start time: _____

Section End Time: _____

DO

SAY

Materials Needed



REVIEW slide

In your own words:

The Phase I recall switch is outside the elevator where the hall call buttons are located. The Phase II switch is inside the elevator car where buttons are located.

Advance Phase I operation is typically activated either manually by a special key. It can also be activated automatically by a fire alarm initiating device. An elevator can enter Phase I operation by a two-position key switch mounted near the hall call station

Advance

To test Phase I, set the elevator to Phase I from the recall landing. Verify that the elevator controller cancels all calls and returns the elevator to the recall landing. If not functioning as designed, correct the defect as required.

Advance

✓ PPT slide 26



Instructor's Notes

Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 170 min

This section: 20 min (10 slides) Section start time: _____

Section End Time: _____

DO

SAY

Materials Needed



REVIEW slides

In your own words:

Here is a photo of a firefighters' emergency operation Phase 1 button.

Advance

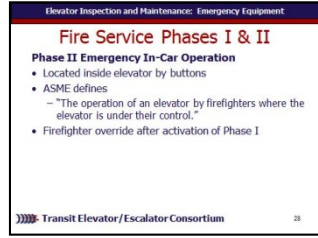
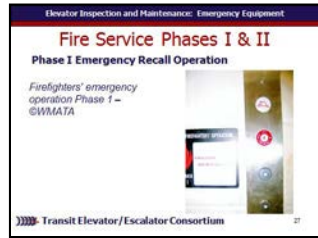
The Phase II switch is inside the elevator car where buttons are located.

Advance ASME code defines Phase II as "the operation of an elevator by firefighters where the elevator is under their control."

Advance Phase II operation is an override meant for firefighters after Phase I has been activated. Under Phase II operation, firefighters can use a key switch to operate the elevator, provided the hoistway is clear of smoke and the elevator has electricity.

Advance

✓ PPT slides 27, 28



Instructor's Notes

Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min Time remaining: 170 min This section: 20 min (10 slides) Section start time: _____ Section End Time: _____

DO



REVIEW slide



REFER participants to Tech Tip

Instructor's Notes

SAY

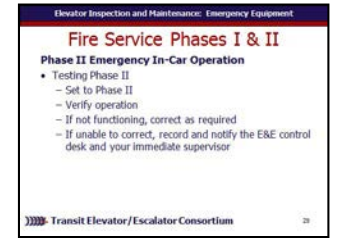
In your own words:
 Set the elevator to Phase II and verify it is operating as designed. See the attached “Tech Tip” for proper operation of the Fireman’s Service. If not functioning as designed, correct the defect as required. If unable to correct the defect note the defect in the “Remarks” section of the Maintenance sheet and notify the E&E control desk and your immediate supervisor.

Refer participants to “Tech Tip” handout and discuss the proper operation of the Fireman’s Service.

Advance

Materials Needed

✓ PPT slide 29



✓ Tech Tip Handout

Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 170 min

This section: 20 min (10 slides) Section start time: _____ Section End Time: _____

DO

SAY

Materials Needed



REVIEW slides

In your own words:

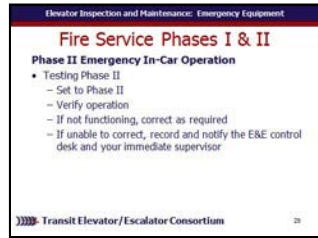
Set the elevator to Phase II and verify it is operating as designed. See the attached “Tech Tip” for proper operation of the Fireman’s Service. If not functioning as designed, correct the defect as required. If unable to correct the defect note the defect in the “Remarks” section of the Maintenance sheet and notify the E&E control desk and your immediate supervisor.

Refer

Participants to “Tech Tip” and discuss the proper operation of the Fireman’s Service.

Advance

✓ PPT slides 29



Instructor's Notes

Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 170 min

This section: 20 min (10 slides) Section start time: _____ Section End Time: _____

DO

SAY

Materials Needed



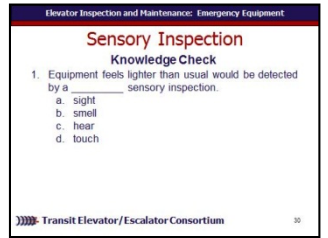
ASK

In your own words:

Lets see what we have learned so far:
Equipment feels lighter than usual would be detected by a _____ sensory inspection.

- a. sight
- b. smell
- c. hear
- d. touch

✓PPT slide 30



Instructor's Notes

Call on participants for answer

Advance once given the correct answer

Answer: d.

Advance

Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 170 min

This section: 20 min (10 slides) Section start time: _____ Section End Time: _____

DO

SAY

Materials Needed



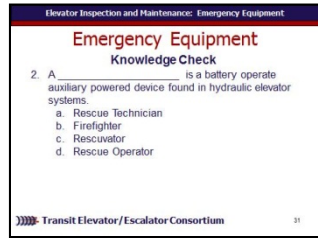
ASK

In your own words:

A _____ is a battery operate auxiliary powered device found in hydraulic elevator systems.

- a. Rescue Technician
- b. Firefighter
- c. Rescuvator
- d. Rescue Operator

✓ PPT slide 31



Instructor's Notes

Call on participants for answer

Advance once given the correct answer

Answer: c. Rescuvator

Advance

Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 170 min

This section: 20 min (10 slides) Section start time: _____ Section End Time: _____

DO

SAY

Materials Needed



ASK

In your own words:

Yes or No. ASME defines Fire Service Phase II as “The operation of an elevator by firefighters where the elevator is under their control.”

✓ PPT slide 32



Call on participants for answer

Advance once given the correct answer

Answer: Yes.

Check for

- ✓ Cracks or visible malfunction
- ✓ Unusual noise
- ✓ Anything out of ordinary
- ✓ Report problems according to transit authority procedures

Advance

Instructor's Notes

Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 170 min

This section: 20 min (10 slides) Section start time: _____ Section End Time: _____

DO

SAY

Materials Needed



ASK

In your own words:

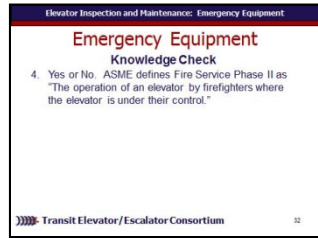
Yes or No. ASME defines Fire Service Phase II as “The operation of an elevator by firefighters where the elevator is under their control.”

Call on participants for answer

Advance once given the correct answer

Answer: Yes

✓PPT slide 33



Instructor's Notes

Advance

Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 170 min

This section: 20 min (10 slides) Section start time: _____ Section End Time: _____

DO



REVIEW slides

Instructor's Notes

SAY

In your own words:

Click on the word video to link to short video clips.

Video: Fire Service Recall using Fire Service key. 6:36 minutes
<http://www.youtube.com/watch?v=uGHjZHUat9s>

Video: Plunger Gripper, Adams Elevators LifeJacket®. 6 minutes
http://www.adamselevator.com/products_life_jacket.asp

Video: Elevator Smoke Curtain Demonstration. 1 minute
https://www.youtube.com/watch?v=Kq8mN_I9KFA

Advance

Materials Needed

✓ PPT slides 33



Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 150 min

This section: 120 min

Section start time: _____

Section End Time: _____

DO

SAY

Materials Needed



ASK



CLASSROOM
ACTIVITY

Instructor's Notes

In your own words:

[Take time to visit the field to provide an example demonstration and opportunities for participants to perform the following tests:

- Perform operational test on emergency equipment for transit elevators]

Advance

✓ PPT slide 34



Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 30 min

This section: 30 min (3 slides)

Section start time: _____

Section End Time: _____

DO

SAY

Materials Needed



CLASSROOM ACTIVITY

Instructor's Notes

In your own words:

Read slide.

For each objective, briefly review what was learned in this module or ask participants to share what they have learned for each learning objective and briefly discuss as a class.

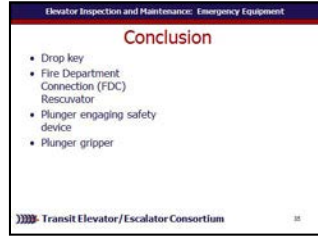
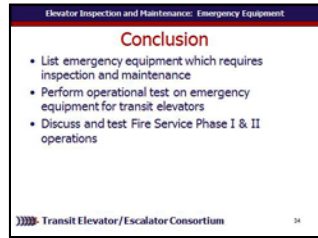
Advance

Lets take a look at some of the key words we have defined as moved through this module.

Read slide. Discuss definitions as a group.

Advance

✓ PPT slides 35, 36



Elevator – Emergency Equipment

Instructor's Guide



Module Length: 240 min

Time remaining: 30 min

This section: 30 min (3 slides)

Section start time: _____

Section End Time: _____

DO

SAY

Materials Needed



**CLASSROOM
ACTIVITY**



INDIVIDUAL ACTIVITY

Instructor's Notes

In your own words:

Administer quizzes.

- ✓ PPT slides 37
- ✓ Quizzes
- ✓ Pencils

