Instructor Guide



216: Elevator: Principles of Door Operation & Maintenance Module 1: Safety Procedures for Elevator Doors

JUME TRANSIT ELEVATOR/ESCALATOR CONSORTIUM

Elevator – Door Safety Procedures Instructor's Guide

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Elevator – Door Safety Procedures

Instructor's Guide

Icons Used In This Guide

Topic Title Topic # Duration Overview 10 minutes 1 **REVIEW** slides INDIVIDUAL ACTIVITY Personal Protective Equipment 2 15 minutes ASK WRITE **Pinch Points** 3 5 minutes Falls and Securing Worksites 20 Minutes 4 CLASSROOM ACTIVITY Multimedia 5 Field Trip 30 Minutes SMALL GROUP ACTIVITY **REFER** participants to 6 Summary 10 Minutes **Total Time:** 90 Minutes

Agenda

Elevator – Door Safety Procedures Instructor's Guide

<u>Overview</u>

Purpose The purpose of this module is to:

• Provide the participant with a general knowledge and understanding of the safety regulations and procedures associated with elevator door maintenance

Objectives

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

- Identify potential pinch points associated with elevator doors and associated mechanisms.
- Identify potential hazards associated with falls associated with elevators.
- Demonstrate and explain proper fall protection procedures.
- Describe general strategies to minimize workplace hazards and prevent workplace injuries.
- List Personal Protective Equipment that may be used to protect the eye, face, head, feet, hands/arms, bodies and hearing associated with elevator door maintenance.

You may also want the following for optional

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

Materials

Optional

Mandatory Make su

Make sure you have the following

- **PowerPoint Presentation**
- Coursebook
- Quizzes
- Pencils

activities:

Elevator – Door Safety Procedures			
Module Length: 90 min Time remaining: 90 min	This section: 10 min (7 slides)	Section start time:	Section End Time:
DO	SA	AY	Materials Needed
Instructor's Notes	In your own words: We will also Advance for each obj Describe general strate workplace hazards and workplace injuries List Personal Protective may be used to protect head, feet, hands/arms hearing associated with maintenance	egies to minimize I prevent e Equipment that the eye, face, s, bodies and	<section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header>





Elevator – Door Safety Procedures			
Instructor's Guide			
Module Length: 90 min Time remaining: 80	min This section: 15 min (8 slides) Section start time:	Section End Time:	
DO	SAY	Materials Needed	
REVIEW slide	In your own words: The employer is responsible to assess the workplace to determine if hazards are present. If such hazards are present, or likely to be present, the employer shall:	✓ PPT slide 11 vor stafty Proxima Personal Protective Equipment Employer Responsibility - Assess hazard - Select PPE - Communicate selected decisions - Vorticity in the selected decisions	
Instructor's Notes	Select, and have each affected employee use the type of PPE that will protect the affected employee from the hazards identified in the hazard assessment.	Verify with certification of assessment:	
	employee. Select PPE that properly fits.		
	Verify that the required workplace hazard assessment has been performed through a written certification that identifies the workplace evaluated.		
· · · · · · · · · · · · · · · · · · ·	Advance.		

Elevator – Door Safety Procedures Instructor's Guide			
Module Length: 90 min Time remaining: 80 r	nin This section: 15 min (8 slides) Section start time:	Section End Time:	
DO	SAY	Materials Needed	
REVIEW slide	In your own words: The employer shall provide training to each employee who is required to use PPE. Each such employee shall be trained to know at least the following: <i>Advance.</i> When PPE is necessary. <i>Advance.</i> How to properly don, doff, adjust, and wear PPE. <i>Advance.</i> The limitations of the PPE. <i>Advance.</i> The proper care, maintenance, useful life and disposal of the PPE. <i>Advance.</i> Defective or damaged PPE shall not be used. You will receive training on the authority's procedures and in the proper use of issued PPE. <i>Advance.</i>	<section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header>	

Elevator – Door Safety Procedures			
Module Length: 90 min Time remaining: 80 r	nin This section: 15 min (8 slides) Section start time:	Section End Time:	
DO	SAY	Materials Needed	
ASK Instructor's Notes	In your own words: A responsibility of an employee with regard to PPE is a. Proper wear. b. Proper care of PPE. c. Attend training. d. Inform supervisor for PPE in need of repair. e. All of the above. Call on participants for answer. Advance for correct answer. Advance.	<section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header>	

Elevator – Door Safety Procedures Instructor's Guide			
nin This section: 5 min (3 slides)	Section start time:	Section End Time:	
SAY		Materials Needed	
In your own words: So, The following are pinch point (select all that apply) a. Linkages. b. Pivot Assembly. c. Hanger Assembly. d. Door Opener. Call on participants for ans	swer.	<section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header>	
	nin This section: 5 min (3 slides) SAY In your own words: So, The following are pinch point (select all that apply) a. Linkages. b. Pivot Assembly. c. Hanger Assembly. d. Door Opener. Call on participants for anse Advance for correct answer Answer: a., b., c., d.	nin This section: 5 min (3 slides) Section start time:	

Elevator – Door Safety Procedures Instructor's Guide			
Module Length: 90 min Time remaining: 60 min	This section: 20 min (13 slides)	Section start time:	Section End Time:
DO	SAY		Materials Needed
REVIEW slide	In your own words: When working on top of the call Authority procedures, local code requirements. The top of may or may not be an area whor fall arresting equipment will will be determined by specific Review procedures for each lobeginning work. If fall protection or arresting is be taken to install all equipment design. If a fall arrest harness must carefully and thoroughly and properly connect it to the lon these procedures will be code as required by your Authority ascope of this course.	mandates and of an elevator car here fall protection be needed. This site conditions. ocation before required care must nt according to s is required you adjust the harness life line. Specifics overed elsewhere	<section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header>

Elevator – Door Safety Procedures			
Module Length: 90 min Time remaining: 60 min	This section: 20 min (13 slides)Section start time	e: Section End Time:	
DO	SAY	Materials Needed	
REVIEW slide CLASSROOM ACTIVITY Instructor's Notes	 In your own words: Any time a worker <i>Advance</i> is at a height six feet or more (construction industry) <i>Advance</i> or four feet or more (general industry), the worker must be protected. <i>Optional Activity:</i> Ask participants "So in the elevator industry, when should a worke be protected?" <i>Discuss participant answers.</i> <i>Advance.</i> 	t of ✓ PPT slide 23 <i>cv safety produce</i> <i>Falls</i> OSHA Tip Norder must be protected anythen they are at a height of anythen they are at a height of Construction industry • Geet or me • (general industry) Transit Elevator/Escatar Consortion	

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Module Length: 90 min Time remaining: 60 min	This section: 20 min (13 slides)	Section start time:	Section End Time:
DO	SAY		Materials Needed
REVIEW slide	In your own words: Employers are required to asset to determine if the walking/work which employees are to work has and structural integrity to safely Once employers have determine surface is safe for employees to employer must select one of the the work operation if a fall haza Employers are required to: <i>Advance.</i> Select appropriate fall protection <i>Advance.</i> Use proper construction and inst safety systems. <i>Advance.</i> Properly supervise. <i>Advance.</i> Train workers. <i>Advance.</i>	king surfaces on ave the strength support workers. ed that the o work on, the e options listed for rd is present.	<section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header>

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Module Length: 90 min Time remaining: 60 min	This section: 20 min (13 slides)	Section start time:	Section End Time:
DO	SAY		Materials Needed
REVIEW slide	In your own words: Working on elevator doors ca elevator technician and patron elevator hoistway like in these maintenance is being perform the area in which you are wor be secured. For instance, a p plate or side panel may need gain access in order to perform inspection on the machine. In hazardous condition has been needs to be barricaded so that employees are aware of the h location. <i>Advance twice.</i> Like our opening photo, your is required when you are work or a piece of equipment. Any prove to be dangerous and even	n expose the ns to an open e photos. When ned on a machine, king may need to portion of a floor to be removed to m maintenance or n this case, a n created. The area at patrons and other nazard and its	<section-header><section-header></section-header></section-header>

Elevator – Door Safety Procedures Instructor's Guide			
Module Length: 90 min Time remaining: 10 n	nin This section: 10 min (4 slides) Section start time:	Section End Time:	
DO	SAY	Materials Needed	
REVIEW slides ASK	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. 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.	<section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header>	