Instructor Guide



219: Elevator: Inspection and Basic Maintenance Module 3: General Housekeeping Procedures

JUNE TRANSIT ELEVATOR/ESCALATOR CONSORTIUM

Elevator – Housekeeping Instructor's Guide

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Elevator – Housekeeping Instructor's Guide **Icons Used In This Guide** Agenda **REVIEW** slides IT

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	Topic #	Topic Title	Duration
INDIVIDUAL ACTIVITY	1	Overview	30 Minutes
	2	Sensory Inspection	10 Minutes
WRITE	3	Safety Equipment	15 Minutes
Multimedia	4	Prints and Records	10 Minutes
	5	Cleaning	15 Minutes
REFER participants to	6	Oil Rag Can	10 Minutes
	7	Field Trip	120 Minutes
	8	Summary	30 Minutes
		Total Time:	240 Minutes

ASK

CLASSROOM ACTIVITY

SMALL GROUP ACTIVITY

Elevator – Housekeeping Instructor's Guide

Overview

Purpose The purpose of this module is to:

Provide the participant with a review of sound housekeeping procedures and reinforce the benefits of maintaining a clean, orderly work area. This includes maintaining all parts of the elevator from the pit and incline to the associated machine rooms.

Objectives

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

- Perform proper cleaning of a transit elevator
- Perform sensory inspection
- Identify appropriate and required signage and safety equipment
- Inspect fire extinguishers for code compliance
- Demonstrate ability to use correct cleaning agents
- Identify the correct Personal Protective Equipment
 (PPE) to use

Materials Mandatory

ory 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
 - Elevator Industry Field Employees' Safety
 Handbook

Elevator – Housekeeping Instructor's Guide		
Module Length: 240 min Time remaining: 240	min This section: 30 min (7 slides) Section start time:	Section End Time:
DO	SAY	Materials Needed
REVIEW module objectives	 In your own words: Today we will Perform proper cleaning of a transit elevator Perform sensory inspection 	✓ PPT slide 3 Literator Important Maintenance: Househousen Dutline Perform proper cleaning of a transit elevator Perform sensory inspection I dentify appropriate and required signage and safety equipment Inspect fire extinguishers for code compliance
Instructor's Notes	 Identify appropriate and required signage and safety equipment Inspect fire extinguishers for code compliance Demonstrate ability to use correct cleaning agents Identify the correct Personal Protective Equipment (PPE) to use 	Demonstrate ability to use correct cleaning agents Identify the correct Personal Protective Equipment (PPE) to use JJJJ Fransit Elevator/Escalator Consortium 3

Elevator – Housekeeping Instructor's Guide		
Module Length: 240 min Time remaining: 240	min This section: 30 min (7 slides) Section start time:	Section End Time:
DO	SAY	Materials Needed
ASK participants what they remember about safety and elevators SMALL GROUP ACTIVITY WRITE INSTRUCTOR'S NOTES	 In your own words: Thinking back to other courses or just in general, what do we already know about maintaining a clean and orderly work area? What could happen if the area was out of order? 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 	<section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><text><text></text></text></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header>

Elevator – Housekeeping Instructor's Guide		STATUTE AND A STAT
Module Length: 240 min Time remaining: 240	min This section: 30 min (7 slides) Section start time:	Section End Time:
DO	SAY	Materials Needed
REVIEW slide	In your own words: Materials that are where they belong are easier to find quickly when needed and present less of a hazard when stored out of the main pathways. In general, the work site is safer when tripping hazards are removed and dangerous compounds are properly stored. Advance Note: The code covers many aspects of the elevator machine room but there are	<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><text><section-header><section-header></section-header></section-header></text></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>
	variations amongst Authority Having Jurisdiction (AHJ). Advance	3000 Transit Elevator/Escalator Consortium 7

Elevator – Housekeeping		STATUTE AND A STATE OF
Instructor's Guide		
Module Length: 240 min Time remaining: 210	min This section: 10 min (1 slides) Section start time:	Section End Time:
DO	SAY	Materials Needed
REVIEW slide REVIEW slide REVIEW slide 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. <i>Ask</i> What may indicate a problem within the elevator system that can be addressed with general housekeeping and indicated by sight? <i>Discuss answers</i>	 ✓ PDFT slide 8 ∠uzer reserve and Paratement: Reserve And Paratement Luzer reserve and Paratement Luzer reserve And Paratement Reserve And Paratement Reserve Subport Su
	Advance for sample answers Debris, dirt, clutter, water where it shouldn't be, rust, grease, dust in lighting receptacles, graffiti Ask What may indicate a problem within the elevator system that can be addressed with general housekeeping and indicated by smell? Discuss answers	
Transit Elevator/Escalator Con	Advance for sample answers	10

Elevator – Housekeeping Instructor's Guide		
Module Length: 240 min Time remaining: 210	min This section: 10 min (1 slides) Section start time:	Section End Time:
DO	SAY	Materials Needed
REVIEW slide REVIEW slide ASK	In your own words: Grease, slippery surfaces 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	<image/> <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></section-header></section-header></section-header></section-header></section-header></section-header>

Elevator – HousekeepingInstructor's GuideModule Length: 240 minTime remaining: 200	min This section: 15 min (9 slides) Section start time:	Section End Time:
Nodule Length. 240 min Time remaining. 200		
DO	SAY	Materials Needed
REVIEW slide	In your own words: As Per NFPA 1.5.10 Fire extinguishers having a gross weight not exceeding 40 lbs. (18.14 kg) shall be installed so that the top of the fire extinguisher is not more than 5 ft. (1.53 m) above the floor. Fire extinguishers having a gross weight greater than 40 lbs. (18.14 kg) (except wheeled types) shall be installed so that the top of the fire extinguisher is not more than 3 ft. (1.07 m) above the floor. In no case shall the clearance between the bottom of the fire extinguisher and the floor be less than 4 in. (10.2 cm). 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>

Elevator – Housekeeping		
Instructor's GuideModule Length: 240 minTime remaining: 200	min This section: 15 min (9 slides) Section start time:	Section End Time:
DO	SAY	Materials Needed
REVIEW slide	 In your own words: Monthly inspection requires that the fire extinguisher be checked so the extinguisher: Is visible (must be able to be seen without any problems) Indicates pressure in operable range (gauge or indicator) Is full (based on weight) Has good tires, wheels, carriage, hose and nozzle (for wheeled extinguisher) Indicates good for non-rechargeable extinguisher using push-to-test pressure indicator Is accessible (must be able to be reached without any problems) 	<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>

Elevator – Housekeeping Instructor's Guide Module Length: 240 min Time remaining: 200 min This section: 15 min (9 slides) Section start time:	1
DO SAY Materials Need	ded
REVIEW slide In your own words: In addition, a check of the safeties will indicate if the extinguisher has been used or tampered with. Follow your local transit agencies procedures When the manual inspection is conducted, the date of the inspection and the initial of the person performing the inspection shall be recorded on a tag attached to the fire extinguisher. Records must be maintained to show the most recent twelve months inspections. The twelve months of records may be maintained on the fire extinguisher, in a paper file or by electronic methods. The annual inspections or those of longer timeframe must be carried out by specially trained personnel and generally will not be done by an elevator technician. Advance	α

Elevator – Housekeeping Instructor's Guide		
Module Length: 240 min Time remaining: 200	min This section: 15 min (9 slides) Section start time:	Section End Time:
DO	SAY	Materials Needed
REVIEW slides	 In your own words: Barricades should be stored in the proper location when not in use. Advance As per ASME code barricades must be a minimum of 42" tall. Advance Here is an example of a barricade in use. Advance 	<section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><section-header><text><section-header><section-header><section-header><section-header><section-header><text><section-header><text><text><text><text><text></text></text></text></text></text></section-header></text></section-header></section-header></section-header></section-header></section-header></text></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header></section-header>

Elevator – Housekeeping Instructor's Guide Module Length: 240 min Time remaining: 200	min This section: 15 min (9 slides) Section start time:	Section End Time:
DO	SAY	Materials Needed
REVIEW slide REVIEW slide Ask	In your own words: Ask What are some types of PPE we have learned about or know about which may be needed during certain maintenance or inspection procedures. Advance for photos of PPE that may be needed at times for maintenance and inspection. Proper clothing, eye and face protection, respiratory equipment and other PPE may be needed in performing tasks specified in Inspection and Basic Maintenance. As always, follow your transit authority procedures. Advance	

Elevator – Housekeeping Instructor's Guide		STATUTE -
Module Length: 240 minTime remaining: 185	min This section: 10 min (3 slides) Section start time:	Section End Time:
DO	SAY	Materials Needed
REVIEW slide	In your own words: ASME Code requires that a written maintenance control program detailing the procedures necessary to maintain the elevator be provided. A written maintenance record (logbook) is to be maintained at the machine room location. This logbook contains all of the maintenance, repair, testing, and callbacks that have been performed on the elevator. The equipment room is not a storage area and all parts and maintenance supplies should be stored in a separate storage area. <i>Advance</i> The machine room should also contain up-to-date wiring diagrams (prints). These prints should detail all electrical protective devices (safeties) as well as critical operating circuits for the elevator. <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></section-header></section-header></section-header></section-header>

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Module Length: 240 minTime remaining: 175	min This section: 15 min (5 slides) Section start time:	Section End Time:
DO	SAY	Materials Needed
REVIEW slides	In your own words: With the increasing use of computers and other electronic devices, more of this documentation will be available electronically. However, the code still requires a physical copy of the print in the machine room. The OEM manuals are to be kept at a central location. However, availability of current, complete documentation is necessary in order to properly maintain or repair an elevator. <i>Advance</i> Cleaning of equipment is conducted on a regularly scheduled basis, such as monthly, quarterly, and annually. As always, follow your authority's requirements. <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><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>



