Instructor Guide



213: Elevator: Principles of Operation Module 6: Introduction to Code Specifications

JUME TRANSIT ELEVATOR/ESCALATOR CONSORTIUM

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| Summary | |

Elevator – Code Specifications Instructor's Guide **Icons Used In This Guide** Agenda **Topic Title** Topic # Duration Overview 15 minutes 1 **REVIEW** slides INDIVIDUAL ACTIVITY Code Compliance & Organizations 2 35 minutes WRITE ASK Using and Applying Code 3 60 minutes Access and ADA Requirements 10 Minutes 4 CLASSROOM ACTIVITY Multimedia 5 Summary 10 Minutes SMALL GROUP ACTIVITY **REFER** participants to **Total Time:** 130 Minutes

Elevator – Code Specifications Instructor's Guide

Overview

Purpose The purpose of this module is to:

• Provide an overview on what code organizations exist which mandate regulations for transit elevators and to introduce the participant to these organizations' publications.

Objectives

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

- Discuss applicable and related codes in ASME A17.1-2010
- Apply standards used in the ASME A17.1-2010 code compliance manual
- Access and review ADA compliance list for elevator doors

You may also want the following for optional activities:

Make sure you have the following

Čoursebook

Quizzes

Pencils

PowerPoint Presentation

- Chalk board with chalk, large paper with marker, etc.
- Internet connection
- Lab, simulator or out of service elevator
- Code Data Plate
- Safety Handbook
- National Electrical Codes
- ASME A17.1 through ASME 17.3
- NFPA 130

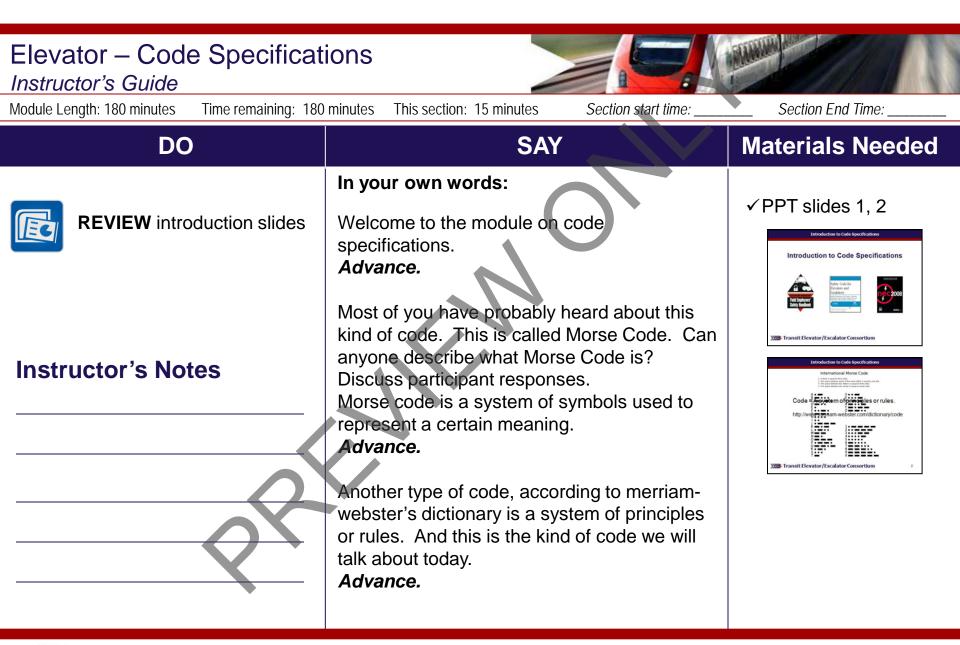
Materials

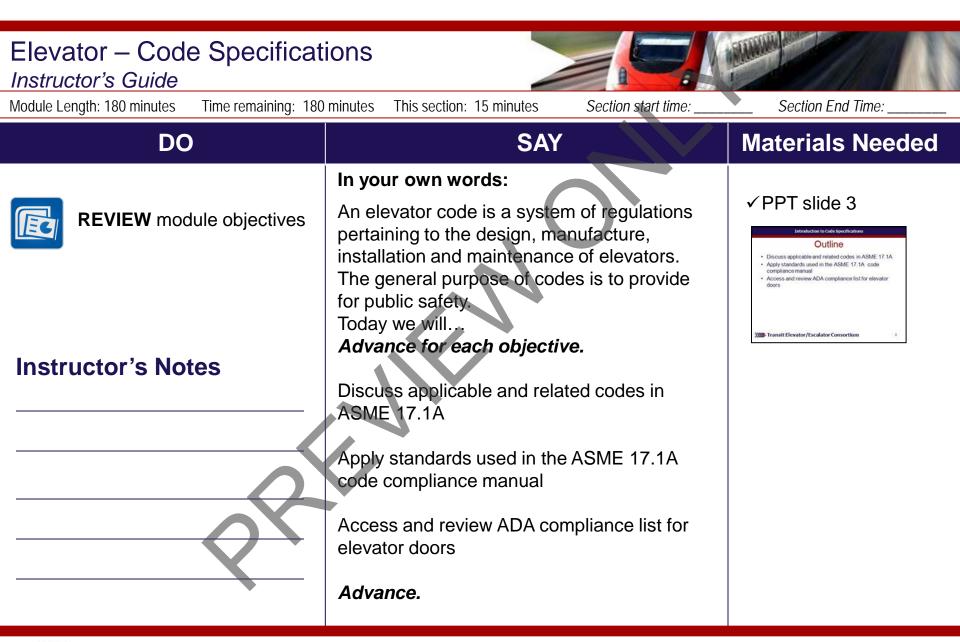
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Optional

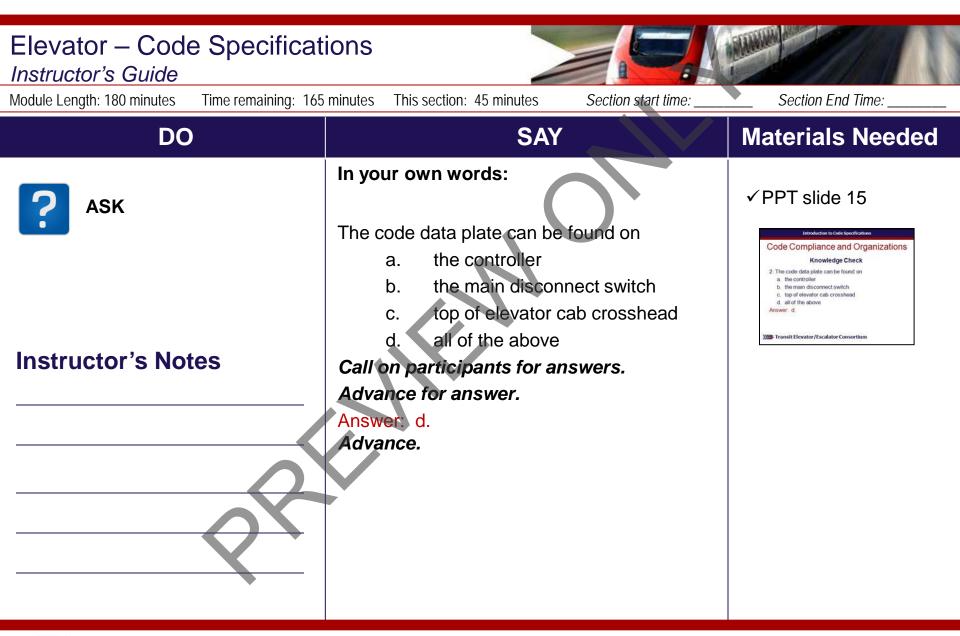
- International Building Code
- Any other Applicable Code Books

3



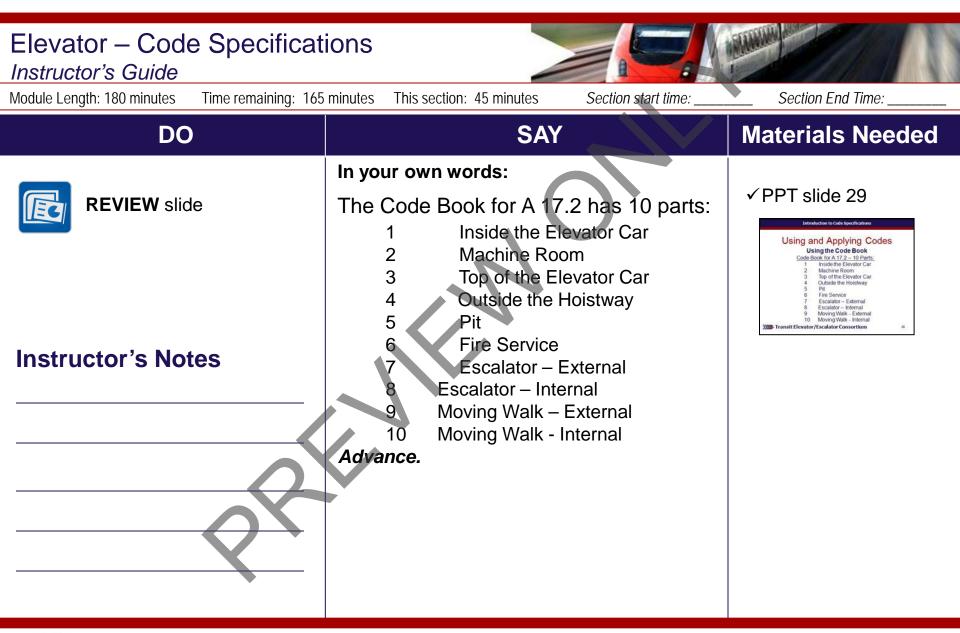


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| Instructor's Guide | | |
| Module Length: 180 minutes Time remaining: 165 | minutes This section: 45 minutes Section start time: | Section End Time: |
| DO | SAY | Materials Needed |
| REVIEW slide | In your own words: Municipal and state building codes invoke most, or all, of the following standards developed by the following: Advance. International Building Code (IBC) Advance. National Fire Protection Association which publishes the National Electric Code (NFPA 70) Advance. National Fire Protection Association which publishes Life Safety Code (NFPA 101) Advance. American Society of Mechanical Engineers which publishes Safety Code for Elevators and Escalators (ASME A17.1) Advance. American Society of Mechanical Engineers which publishes Safety Code for Elevators and Escalators (ASME A17.1) Advance. American Society of Mechanical Engineers which publishes Safety Code for Elevators and Escalators (ASME A17.1) | <image/> |



| Elevator – Code Specifications Instructor's Guide | | |
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| Module Length: 180 minutes Time remaining: 165 | minutes This section: 45 minutes Section start time: | Section End Time: |
| DO | SAY | Materials Needed |
| REVIEW slides | In your own words: The next objective looks at how to apply standards used in ASME 17.1a code compliance manual. Advance manual. Advance. According to the Guide for Inspection for Elevator (ASME A17.2), periodic inspection of elevators is recommended and includes the inside of Advance for each area. cab, the machine room, the top of the car, outside of the hoistway, in the pit, and fire service. 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></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: 180 minutes Time remaining: 165 | minutes This section: 45 minutes Section start time: | Section End Time: |
| DO | SAY | Materials Needed |
| Instructor's Notes | In your own words: For code books, The technician needs to be able to identify the location of the transit agency's code manuals and should be able to use them when necessary. The maintenance technician should know how to use and get information from the Safety Handbook, the National Electrical Codes, ASME A17.1 through ASME A17.3, and local codes. The technician should communicate with his or her supervisor for more information that is specific to the transit agency. [Discuss the location of your transit authority's location of these books.] Advance. | ✓ PPT slide 21 Letroductore to Code Specifications <p< th=""></p<> |
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| REVIEW slide Instructor's Notes Instructor is | e <mark>ments</mark> Buildings al |

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| Instructor's Guide | | |
| Module Length: 180 minutes Time remaining: 15 r | ninutes This section: 15 minutes Section start time: | Section End Time: |
| interentaring. To think test interentaring. | | |
| DO | SAY | Materials Needed |
| REVIEW slides REVIEW slides REVIEW slides | 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 | ✓ PPT slides 41, 42 Introduction to Color Synchrodianse Conclusion Discuss applicable and realeded codes in ASME 17.1A Apply standards used in the ASME 17.1A code compliance manual - Scoress and review ADA compliance list for elevator doors |
| Instructor's Notes | 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. [Read slide. Discuss definitions as a group.] Advance. | 3000-Transit Elevator/Escalator Consortium 3 Introduction to Cole Specifications Authority having Jurisdiction ASME ANSI Code data plate OEI 3000-Transit Elevator/Escalator Consortium 3 |
| | Administer quiz. | |