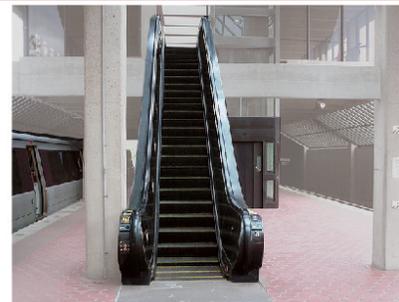
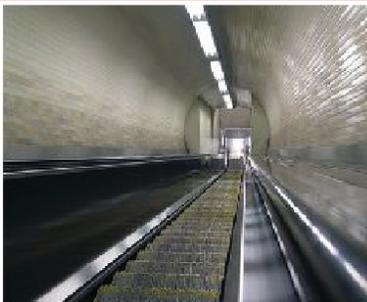


NATIONAL TRANSIT ELEVATOR/ESCALATOR TRAINING CONSORTIUM

Course Catalog Summer 2020



 **TRANSIT ELEVATOR/ESCALATOR CONSORTIUM**

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SAMPLE

Overview

The Transit Elevator-Escalator Training Consortium (the Consortium) was the first in an ongoing series of industry-wide collaborative programs to develop integrated systems of training for key frontline occupations in public transportation. Building on national training standards developed by industry Subject Matter Experts (SMEs) from 2006 to 2010 and then adopted by the American Public Transportation Association (APTA), the Consortium developed a full set of standardized national courseware to support training and apprenticeship programs for transit elevator/escalator (El-Es) technicians. The curriculum and courseware development team was composed of subject matter experts (SMEs) from five member agencies and unions from across the country. Membership of the Consortium consists of transit systems that maintain their vertical transportation equipment in-house, rather than relying on outside contractors. El-Es original equipment manufacturers contributed access to their technical drawings and manuals to enrich the courseware.

Because the Consortium courseware was developed by a joint labor-management-trainer group, the learning objectives and their reflective content align specifically and directly to the required skills for front-line elevator/escalator technicians and consequently directly support industry needs. Each course contains participant guides, instructor guides, Power Points (with Instructor notes), quizzes, and hands-on learning activities. The Consortium also developed components of training that extend beyond courseware: Train the Trainer courses for instructors and on-the-job mentors, model questions and answers for topical quizzes, and finally a national framework for apprenticeship training submitted to and approved by the US Department of Labor.

The list of courseware as of Summer 2020 is listed in this document. The materials themselves are available at https://www.transittraining.net/courseware/facilities_maintenance/category/elevator-escalator-maintenance

100 LEVEL LESSON PLAN DESCRIPTIONS

Course 101: Orientation and Background

Lesson Plan Description

This is a lesson plan and does not include participant guide, quizzes, or instructor presentation slides.

Where to access the course: <https://www.transittraining.net/courseware/details/course-101-orientation-background>

Module 1: Property Specific Orientation

Purpose: The purpose of this module is to introduce participants to an overview of Transit Vertical Transportation.

Learning Objectives

Following the completion of this Module, the participant should be able to complete the objectives with an accuracy of 75% or greater:

- Discuss and list the safety practices for avoiding electrical shock
- Describe several causes for electrical burns
- List the types of personal protective equipment (PPE) required to safely work in the electrical field
- Know the reason for grounding of electrical equipment
- Explain processes for Lockout/Tagout and identify Lockout Devices
- Determine dangerous levels of electrical current as it relates to the human body
- Explain the purpose and information found on an MSDS sheet
- Explain Right to Know regulations

Module 2: General Safety Overview

Purpose: The purpose of this unit is to explain and discuss general safety procedures. This material will be repeatedly reviewed in several other 100 level training courses.

Learning Objectives

Following the completion of this Module, the participant should be able to complete the objectives with an accuracy of 75% or greater:

- Discuss and list the safety practices for avoiding electrical shock
- Describe several causes for electrical burns
- List the types of personal protective equipment (PPE) required to safely work in the electrical field
- Know the reason for grounding of electrical equipment
- Explain processes for Lockout/Tagout and identify Lockout Devices
- Determine dangerous levels of electrical current as it relates to the human body
- Explain the purpose and information found on an MSDS sheet

- Explain Right to Know regulations

Module 3: Customer Service

Purpose: The purpose of this unit is to familiarize the trainee with policies focused on serving transit customers, particularly in unique situations where there are large crowds.

Learning Objectives

Following the completion of this Module, the participant should be able to complete the objectives with an accuracy of 75% or greater:

- Explain principles and policies for crowd control
- Explain operation signage and its usage in the transit system

Module 4: System Security

Purpose: The purpose of this unit is to introduce the trainee to the local police force, and understand the local transit authorities' relationship with it.

Learning Objectives

Following the completion of this Module, the participant should be able to complete the objectives with an accuracy of 75% or greater:

- Explain important system security policies and procedures

Module 5: Station Orientation

Learning Objectives

Following the completion of this Module, the participant should be able to complete the objectives with an accuracy of 75% or greater:

- Identify stations
- Navigate the transit system, including transferring between different modes
- Identify location of elevator escalator equipment within the system

Module 6: Safety and Emergency Procedures

Purpose: The purpose of this unit is to familiarize the trainee with policies focused on serving transit customers, particularly in unique situations where there are large crowds.

Learning Objectives

Following the completion of this Module, the participant should be able to complete the objectives with an accuracy of 75% or greater:

- Explain local emergency response procedures for various situations
- Identify how and when to contact internal emergency service personnel
- Identify how and when to contact external emergency service personnel

Module 7: Public Safety

Purpose: The purpose of this unit is to apply knowledge of public safety, crowd control, and emergency procedures to the maintenance procedures for elevators and escalators

Learning Objectives

Following the completion of this Module, the participant should be able to complete the objectives with an accuracy of 75% or greater:

- Demonstrate the setup of an elevator barricade
- Demonstrate the setup of an escalator barricade
- Explain procedures for removing and restoring an elevator to service
- Explain procedures for removing and restoring an escalator to service