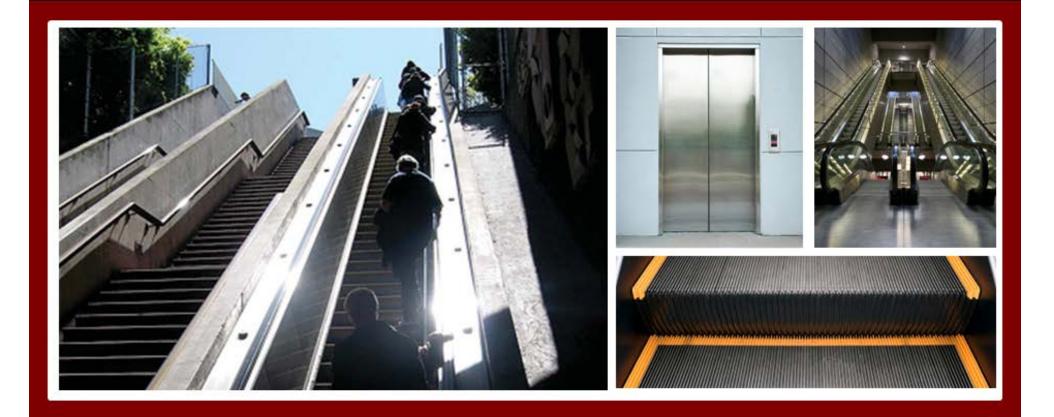
Instructor Guide



208: Escalator Specific - Principles of Operation

Module 2: Introduction to the Principles of Operation



Introduction to the Principles of Operation



Table of Contents:

Introduction	1
Escalator Operations	2
Design and Layout	
Components	
Truss	
Step Track System	6
Steps	7
Handrail	8
Balustrade	9
Operator and Maintenance Controls	10
Summary	
Questions	

Table of Figures:

Figure 1 Comb Plates	
Figure 2 Escalator Truss	
Figure 3 Step Track System	
Figure 4 Escalator Step	
Figure 5 Handrail	
Figure 6 Balustrade	
Figure 7 Operator Controls	1



Icons Used in This Guide

Throughout the Learner's Guide, the following icons indicate the type of content being presented.



Refer To



PowerPoint



Multimedia



Web based **Training**



Write



Ask



Individual Activity



Small Group Activity



Classroom Activity



Duration

Agenda

Topic No.	Topic Title	Duration
1	Introduction	5 minutes
	Set expectations	
2	Design and Layout	30 minutes
3	Components	45 minutes
	 Questions 	
4	Summary	10 minutes
	Total Time:	1.5 hours

Introduction to the Principles of Operation



Overview

Purpose

The purpose of this module is to:

Introduce participants to an overview of Transit Vertical Transportation.

Objectives

At the end of this chapter, the learner will be able to:

- Describe basic elevator operation
- Describe different designs and layouts
- Identify the different components

Materials

Make sure you have the following:

- Laptop (one for leader)
- Participant Guides
- PowerPoint slide deck
- LCD projector

Preparation

PREPARE flip charts with the following titles:

- **Class Expectations**
- **Designs**
- Components