

LIFT & ESCALATOR INDUSTRY ASSOCIATION

GT1F3 Introduction to Lift Technology

Course Content

Terminology

The Traction Lift Installation

- A.C. Motors for Traction Lifts
- Braking
- Counterweights

The Hydraulic Lift Installation

- Arrangements Of The Jack in the Lift Well
- Principles of Jack Operation
- Suspension Ropes and Chains
- Precautions against Free Fall and Descent With Excessive Speed

Buffers

Overspeeding and Suspension Rope Failure

- Safety Gear
- Progressive Safety Gear
- Triggering Mechanism For Safety Gear
- Location of the Safety Gear
- Counterweight Safety Gear
- Overspeed Governor

Lift Car

- Construction

Entrances

- Entrances, Type and Construction
- Doors & Door Protective Devices

Travelling Cables and Wiring

- Types of Travelling Cable and their Construction

Lift Control and Power Systems

- Power System
- Call Logic System

Lifts In Relation to the Built Environment

Health and Safety

