

Lift & Escalator Industry Association

Stairlift Technology (Unit 14)

(Half Unit)



Course Content

- Definitions
- Safety Standards
- Basic Principles and Components of a Stairlift Installation
- Reference to Standards
- Outline of Operation
- Passenger – carrying capacity
- Speed
- Angle of inclination and overall dimensions
- Stairlift Construction
- Factor of Safety
- Protection against hazards
- Rail
- Carriage
- Chair
- Footrest and Platform
- Folding rails
- Load Plate and Product Labelling
- Mechanical Safety Devices
- Drive System
- Output speed and torque requirements
- Braking Installation
- Methods of drive transmission
- Drive Transmission and their Suitability for Curved and Straight Stairlifts
- Electric Motor and Control Equipment
 - Motor design
 - Motor protection
 - Safety devices in control circuits
 - Safety of electrical circuits
 - Trailing cables
 - Batteries
- User Controls and Call Systems
- Stairlift controls design
- Call systems and controls
- Safety Responsibilities