

ESCALATOR/MOVING WALK Testing Guide

Send to: elevatordesign@tsask.ca

Category 1 Area/Device	Section/Clauses: B44-2013 Items: A17.2-2012	Summary
Machine Space	8.6.8.15.1 [Items 8.1 & 10.1]	Pit equipment inspections
Stop Switches	8.6.8.15.2 [Items 8.2 & 10.2]	Inspection and testing of pit stop switches
Controller, Disconnects and Wiring	8.6.8.15.3 [Items 8.3 & 10.3]	Inspection of equipment
Drive Machine and Brake	8.6.8.15.4 [Items 8.4 & 10.4]	Inspection of equipment (includes driving chains)
Brake Torque	Indicate Min/Actual/Max as Applicable	Data
Stopping Distance	Indicate Min/Actual/Max as Applicable	Data
Speed Governor	8.6.8.15.5 [Items 8.5 & 10.5]	Inspection of equipment and test of operation/manual reset
Broken Drive-Chain Device	8.6.8.15.6 [Items 8.6 & 10.6]	Inspection of equipment and test of operation/manual reset
Reversal Stop Switch	8.6.8.15.7 [Items 8.7 & 10.7]	Inspection of equipment and test of operation/manual reset
Broken Step-Chain/Treadway Device	8.6.8.15.8 [Items 8.8 & 10.8]	Inspection of equipment and test of operation/manual reset
Step Upthrust Device	8.6.8.15.9 [Items 7.9 & 8.9]	Inspection and test of operation
Missing Step or Pallet Device	8.6.8.15.10 [Items 8.10 & 10.10]	Inspection of equipment and test of operation/manual reset
Step or Pallet Level Device	8.6.8.15.11 [Items 8.11 & 10.11]	Inspection of equipment and test of operation/manual reset
Steps, Pallet, Step or Pallet Chain, and Trusses	8.6.8.15.12 [Items 8.12 & 10.12]	Inspection of equipment
Handrail Safety Systems	8.6.8.15.13 [Items 8.13 & 10.13]	Inspection of equipment and test of operation
	Speeds: Treadway/LH/RH	Data
	Checkout Procedure [Items 7.3 & 9.3]	As applicable; separate documents
Outdoor Application: Heaters	8.6.8.15.14 [Items 8.3 & 10.3]	See requirements as applicable
Permissible Stretch in Escalator Chains	8.6.8.15.15 [Item 7.9]	Inspection and testing of equipment (step to step meshing)
Disconnected Motor Safety Device	8.6.8.15.16 [Items 8.6 & 10.6]	Inspection of equipment and test of operation/manual reset
Response to Smoke Detectors	8.6.8.15.17 [Items 8.15 & 10.15]	Simulate FAID shutdown after 15s
Comb-Step or Comb-Pallet Impact Device	8.6.8.15.18 [Items 7.7 & 9.7]	Inspection of equipment and test of operation/manual reset
Step/Skirt Performance Index	8.6.8.15.19 [Item 7.17]	Inspection of equipment and test of operation. Submit data to TSASK
Clearance Between Step and Skirt (Loaded Gap)	8.6.8.15.20 [Item 7.17]	Inspection of equipment and test of operation. Submit data to TSASK
Inspection Control Devices	8.6.8.15.21 [6.1.6.2.2 & 6.2.6.2.2]	Inspection and testing of pit inspection operation
Step Lateral Displacement Devices	8.6.8.15.22 [6.1.6.3.14]	Inspection of equipment and manual testing
Seismic Risk Zones 2 or Greater	8.6.8.15.23 [Items 7.20.2 & 9.20.2]	Verify as per code requirements
Maintenance of Seismic Devices	8.6.8.15.24 [See Manufacturer]	Verify as per manufacturer requirements



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Other Required Areas/Devices [Section 6: Design, 8.6: Maintenance/Repairs/Tests, 8.11: Periodic Inspections/Tests]		
Skirt Deflector Devices – see the <u>Foot Entrapment Bulletin</u> for more information	6.1.3.3.10	Inspection of equipment
Step Demarcation & Lighting	6.1.3.5.6 [Items 7.5.1, 7.9.3 & 8.1.2]	Inspection of equipment
Tandem Operation	6.1.6.6 & 6.2.6.6 [Items 7.10(c) & 9.10(c)]	Test of operation
On-Site Documentation (MCP)	8.6.1.2.2	Verify all required documentation
Periodic Test Record (Test Tag)	8.6.1.7.2	Sign off when tag
Combplates	8.6.8.4	Inspection of equipment
Caution Signage	8.6.8.8 [Item 7.6]	Verify all required signage is in place
Annual Cleaning	8.6.8.13/8.6.9.11	Enter date of last annual clean down
Start-up & Training	8.6.11.6	Verify logs or have customer sign off on
Operating & Safety Devices	8.11.4.1 [Items 7.10 & 9.10]	Inspection and test of operating key switches and stop switches
Guards/Antislide/Barricades	8.6.11.6.2(h) [Item 7.8]	Inspection of equipment
Skirt Obstruction Device	8.11.4.1 [Item 7.11]	Inspection of equipment and test of operation
Skirt Obstruction Device to Combplate	Distance Measured: Lower/Upper	Data
Novetex Boards	As Per Manufacturers Specifications	Verify proper adjustment
Maintenance Frequency	[Minimum: Quarterly]	Data

Completed Forms must be submitted annually to <u>elevatorsafety@tsask.ca</u> no later than July 1.