



Elevating and Amusement Devices Safety Program	Ref. No.: 276 / 18r1
ADVISORY	Date: February 1, 2021

Subject: Category 1 Testing of Emergency Power (8.6.4.19.7)
Distribution: TSSA website

The **Category 1 testing requirement 8.6.4.19.7 of B44 Safety Code for Elevators** requires that the elevator be tested while operating under standby or emergency power (EP) conditions and not via simulation.

This advisory is to inform contractors and owners about options related to confirmation of **Category 1 testing of elevator EP for situations where EP is mandatory or voluntarily provided.**

Rationale for Category 1 Test 8.6.4.19.7

The intent of Category 1 testing of the elevator under Emergency Power operation is to ensure;

- (1) The keys necessary to operate the elevator under EP are present.
 - (2) EP is reaching the elevator motor and control system (from the emergency power generator through the transfer switch) and that the elevators can be recalled to the recall level.
 - (3) While on EP, the elevator is capable of operation to floors within the building at normal speed.
 - (4) The required functions and features as specified in B44 Section 2.27.2 are operational, and
 - (5) The elevator system satisfies the testing requirements in A17.2, item 1.17.2.1 or the testing script provided in the Maintenance Control Program.
- Items (1), (2) and (3) provide confirmation that EP from the generator system has reached the elevator(s), and that the elevator(s) have successfully returned to the recall level automatically or by selection.
 - Items (4) and (5) provide confirmation of the elevator's emergency power controller features

Options for Testing and confirmation of Category 1 test 8.6.4.19.7

Emergency power for elevators may be the result of;

- **mandatory** requirements from the Building Code / Fire Code, or
- **optionally / voluntarily** provided.

Contractors and Owners should refer to the table below for testing options for compliance with 8.6.4.19.7.

Emergency Power – Where Required

The requirement to provide Standby or Emergency Power originates in the **Building Code (OBC)**.

The Building Code requires EP for elevators;

- in high buildings (>36m) and
- for every elevator for firefighters. [O.Reg 332/12 s. 3.2.7.9].

The provision of a firefighter's elevator is addressed in OBC subsection 3.2.6.5 and is a subset of requirement **3.2.6 Additional Requirements for High Buildings**.

These elevators are also required to be identified with a **50mm red firefighters' hat** per B44 requirement 2.27.7.4.



Elevators meeting the criteria in OBC and required to be identified with the 50mm hat per B44 are those for which **the provision of emergency power is mandatory.**



In the table below, these elevators can be tested via **Option A** or **Option B** under the mandatory provisions of **COLUMN A**.

Where emergency power is provided **Optionally**, testing may conform to **Option A** or **Option B** as outlined in **COLUMN B**.

B44 8.6.4.19.7 Category 1 Testing Options

Testing OPTION	Responsibly Party & Task	Cat 1 Testing to 8.6.4.19.7		
		COLUMN A	COLUMN B	
		Emergency Power is Mandatory (as determined by OBC)	Emergency Power is Optional / Voluntary	
Option A	Responsible party places elevator on emergency power	required	optional (always use a responsible party & verify the elevator is not occupied)	
	Elevating Devices Contractor verifies Items (1), (2) and (3)	required	optional	
	Elevating Devices Contractor verifies Items (4) and (5)	required	required (EP test simulation permitted)	
	Elevating Devices Contractor acknowledges completion of Cat 1 - MCP requirement 8.6.4.19.7	required	required	
Option B	B1	Responsible party places elevator on emergency power	required	optional (always use a responsible party & verify the elevator is not occupied)
		Owner verifies Items (1), (2) and (3) and documents compliance via completion of the "Elevator Emergency Power Checklist for Owners"	required	optional
		Owner provides completed checklist to the Elevating Device Contractor	required	optional
	B2	Elevating Devices Contractor includes checklist completed by the Owner into MCP LOG BOOK	required	optional
		Elevating Devices Contractor verifies Items (4) and (5)	required (EP test simulation permitted)	required (EP test simulation permitted)
		Elevating Devices Contractor acknowledges completion of Cat 1 - MCP requirement 8.6.4.19.7	required	required

Denotes an elevating device contractor task

Denotes an elevating device owner task