

	Technical Standards and Safety Authority INSPECTION PROCEDURE	March 9, 2015
	Acceptance Checklist for Emergency Power Systems on Automatic Elevators	Rev. 1

The purpose and intention of this checklist is to provide a focus for inspectors when completing acceptance testing of elevators equipped with Emergency Power.

Testing of the emergency power system shall as a **minimum**, be simulated (see item 1 of checklist).

Elevator Installation #: _____ Building _____
 Address: _____
 Number of elevators the EPS is capable of operating at a time: _____
 Date: _____ Inspected By: _____
 Signature: _____

Pass = meets requirements **Fail** = does not meet requirement **NA** = not applicable

		Pass	Fail	NA
1	The operation of the emergency power system (EPS) shall be tested during the inspection of the last elevator by providing an input from the emergency generator, to demonstrate compliance to section 2.27.2. This can be demonstrated either by: a) switching over to generator power or b) activating the input at the transfer switch (while on normal power) or simulating a switch over to EP by activating the input at the elevator controller.			
2	During the EPS Test, all elevators were returned to the recall level at least one at a time.(2.27.2.1)			
3	Verify an illuminated signal marked “ELEVATOR EMERGENCY POWER” indicating elevators on emergency power is located in the elevator lobby at the designated level. (2.27.2.3)			
4	Note: When the emergency power system is not capable of operating all elevators simultaneously; Verify selector switch(es) marked “ELEVATOR EMERGENCY POWER” (red lettering a minimum of 5 mm). (2.27.2.4.1)			
5	Verify operation by FEO- K1 key(2.27.8)			
6	Verify selector switch(es) corresponds to elevator identification number and includes an “AUTO” position. (2.27.2.4.2)			
7	Verify switch(es) is located at designated level, or if elsewhere, means is provided to indicate elevators are at the designated level and doors are open. (2.27.2.4.3)			
8	With the selector switch in the “AUTO” position: Verify automatic power selection returns each elevator not on designated attendant operation, inspection operation, or Phase II In-Car Emergency Operation. (2.27.2.4.4)			
9	Verify that during auto selection if a car does not move for 20 to 30 seconds the next car will be selected. After all cars have been selected, any cars that failed to move will be selected one more time. (2.27.2.4.4)			
10	Verify the individual selector switch(es) positions override automatic power selection and power is not removed until a car is stopped. (2.27.2.4.5)			

Notes:

- The installing contractor is responsible to ensure compliance with design requirements identified in A17.1/CSA B44 Section 2.27.2 and specifically 2.27.2.1, (operation with rated load see 2.16.8(i) that specifies 125% of capacity be used) and 2.27.2.5 (regenerated power).
- This checklist supersedes Item 1.17.3 of the A17.2 Guide for Inspection of Elevators & Escalators).