



# Elevator Industry Bulletin

*Division of Hotels & Restaurants – Bureau of Elevator Safety*

## Industry Bulletin – Generator/Standby Power Testing with Proper Personnel

**8.6.1.3 Maintenance Personnel.** Maintenance, repairs, replacements, and tests shall be performed only by elevator personnel (see Section 1.3).

### STANDBY POWER OPERATION

A17.2 guidelines below for testing of Generator/Standby Power indicate during the process the instances/reasons why certain elevator, and other, personnel should be present.

**Electric Elevators: Yearly Test (for A17.1 d-2000 and Earlier Editions); Category 1 Test (for A17.1-2000/B44-00 and later editions).**  
**Personnel to be onsite:** Certified Elevator Inspector/Certified Elevator Technician/Generator Company Representative.

**(CEI-Certified Elevator Inspector, CET-Certified Elevator Technician, & GEN CO-Generator Company).**

- Have the elevator(s) taken out of normal service and placed at the floor where the ELEVATOR EMERGENCY POWER selector switch is located, if provided (CET).
- Otherwise, have the elevator(s) taken out of normal service and placed at the bottom terminal (CET).
- Have the system transferred, by the responsible party (GEN CO), to standby or emergency power.
- **Verify** that the ELEVATOR EMERGENCY POWER selector switch (automatic sequence operation override switch), if provided, functions as required to manually select each elevator, one at a time, when on standby or emergency power (CEI).
- **Verify** that the elevator selected can be taken out of service with the ELEVATOR EMERGENCY POWER selector switch only when the elevator is stopped (CEI).
- Operate each elevator selected to be operated on standby or emergency power, one at a time, with no load in the car (CEI). Make several trips and stops, checking for proper operation.
- **Verify** that the elevator is running at normal speed, especially in the up direction (speed must not attain the governor electrical overspeed trip setting, or 125% of rated speed in both directions, whichever is less) (CEI). If a separate power absorption means such as a resistor bank is used to absorb regenerative power, **verify** that it is provided on the load side of each elevator disconnect switch or that a common resistor load bank is provided on the elevator feeder (CEI/GEN CO).
- Have the system transferred, by the responsible party (GEN CO), back to normal power and **verify** that the elevator(s) tested operate properly in normal service (CEI).

**Hydraulic Elevators: Yearly Test (for A17.1d-2000 and earlier editions); Category 1 Test (for A17.1-2000/B44-00 and later editions).**  
**Personnel to be onsite:** Certified Elevator Inspector/Certified Elevator Technician/Generator Company Representative.

- Have the elevator(s) taken out of normal service and placed at the floor where the ELEVATOR EMERGENCY POWER selector switch is located, if provided (CET).
- Otherwise, have the elevator(s) taken out of normal service and placed at the bottom terminal (CET).
- Have the system transferred, by the responsible party (GEN CO), to standby or emergency power.
- **Verify** that the ELEVATOR EMERGENCY POWER selector switch (automatic sequence operation override switch), if provided, functions as required to manually select each elevator, one at a time, when on standby or emergency power (CEI).
- **Verify** that the elevator can be taken out of service with the ELEVATOR EMERGENCY POWER selector switch only when that elevator is stopped (CEI).
- Operate each elevator designated to be operated on standby or emergency power, one at a time, with no load in the car (CEI). Make several trips and stops, checking for proper operation.
- Have the system transferred, by the responsible party (GEN CO), back to normal power and **verify** that the elevator(s) tested operate properly in normal service (CEI).