



Alberta Elevating Devices
& Amusement Rides
Safety Association

Subject: Elevator Emergency Power Requirements for Machine Rooms, Control Rooms, Hoistways and Pits

Issue:

What other electrical devices are required to function when Elevator Emergency Power is added to an existing elevator for Machinery Spaces, Machine Rooms, Control Spaces, Control Rooms, Hoistways, Car-tops and Pits?

Background:

The Alberta Building Code requires all new elevators with “High Building” classification to have Firefighter Emergency Operation (FEO) supported by Emergency Power Operation (EPO) for at least one elevator.

When the elevator is operating under emergency power (which may be operated for an extended period), it is recognized that there may be need for elevator maintenance personnel to service the elevator either as part of ongoing maintenance or emergency repairs to the equipment to keep the device operating.

In many cases building owners are now installing emergency power on a voluntary basis to mitigate the risk of the elevator not operating during a power outage.

Rationale:

Since elevator maintenance personnel must work on the elevator while the elevator is operating under emergency power, elevator personnel must have access to all areas the elevator equipment is present. Therefore, Machinery Spaces, Machine Rooms, Control Spaces, Control Rooms, Hoistways, Car-tops and Pits must have emergency power including lighting and receptacles.

Requirements:

Emergency power when installed by regulation or on a voluntary basis must have the following electrical power requirements:

1. Elevator sump pumps
2. Machinery Spaces, Machine Rooms, Control Spaces, Control Rooms, Hoistways, Car-tops and Pits must have Emergency Power including Lighting and Receptacles.

Implementation:

This information bulletin is effective June 1, 2021.

Original Signed by:

Dean McKernon VP of Operations, AEDARSA

TYPE: Information	DESCRIPTION: ELEVATOR EPO REQUIREMENTS	REGULATION: Elevating Devices Code
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