

Maintenance Control Program

by John Koshok

This article has been adapted from *Maintenance on New Equipment Designs – Application of the Maintenance Control Plan to Machine-Room-Less Elevators*, a new book from John Koshok available in May 2010 from ELEVATOR WORLD.

Learning Objectives

After reading this article, you should have learned about:

- Maintenance control programs (MCPs) and what they entail
- The importance of scheduled interval maintenance
- How interval maintenance should be scheduled
- What check charts are and what they do
- Applicable components and where a list of them can be found
- What maintenance records include and where they should be located
- Code data plates
- Jumper control programs
- Critical operating circuits
- The importance of cleaning and housekeeping in the field

A section in the code for maintenance has existed since the first code was published¹ in 1921. With years of experience, expanding this section had to consider customary maintenance methods, new maintenance methods and the changing technology of equipment. One difficulty was determining how many requirements were enough and how to provide requirements for documentation that maximized the safety of elevator personnel and users. The code is an evolving document and still contains some inconsistencies, which over time will be interpreted and changed. However, it will ensure a minimum level of safety when the conveyance conforms to it.

As maintenance items became more numerous in the code, they converged into a maintenance program. The present language specifies an MCP and is performance and prescriptive based. Since it is in the code and required for existing conveyances², when a jurisdiction adopts the ASME A17.1b-2003 addenda and later codes, the MCP is required and must be in place for each conveyance. This is the framework all elevator personnel

should use when performing maintenance, inspections, tests, repairs, replacements and adjustments. Below are the specific requirements with some explanation.

A17.1a-2008

8.6.1.2.1 A written Maintenance Control Program shall be in place to maintain the equipment in compliance with the requirements of 8.6.

"In place" does not require that the entire MCP be on the job. Currently there are differing interpretations within the industry of what this requirement mandates; this book [Maintenance on New Equipment Designs, ©2010] will serve as a starting point upon which to build.

The entire program consists of subcomponents 8.6.1.2.1(a)(1) through 8.6.1.2.1(a)(4), as elaborated below:

8.6.1.2.1(a) The Maintenance Control Program shall consist of but not be limited to:

(1) examinations, maintenance, and tests of equipment at scheduled intervals in order to ensure that the installation conforms to the requirements of 8.6. The maintenance procedures and intervals shall be based on:

Continued



**Value: 2 contact hours
(0.2 CEU)**

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