

2007 NESC® CHANGES

NEWSLETTER

Issue 2 of 8

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2007 NESC® Now Available

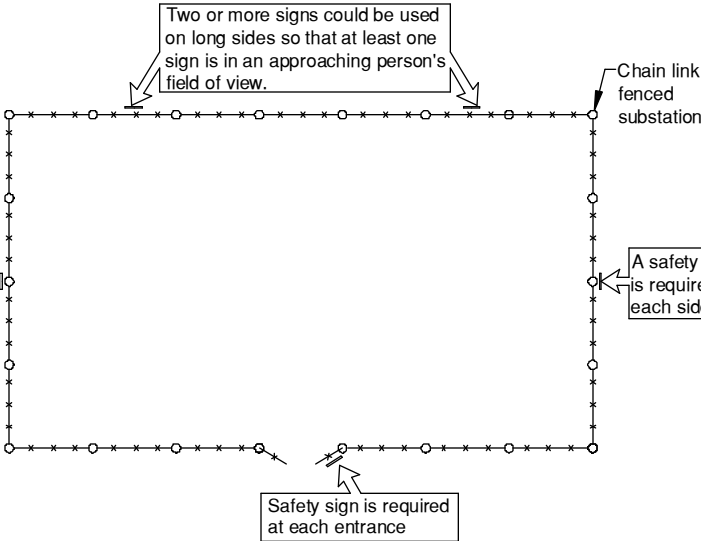
The 2007 National Electrical Safety Code® (NESC®) was published on August 1, 2006. Approximately 300 change proposals were submitted during the Code revision process, and approximately 226 of the 336 pages in the 2007 NESC® are affected by the accepted changes. A welcomed companion to the NESC®, McGraw-Hill's National Electrical Safety Code® (NESC®) 2007 Handbook, authored by David J. Marne, PE is scheduled to be published October 30, 2006. Both books are available at www.codehandbook.com.

Focus on Changes

This month we are focusing on revised Rules 110A1 and 110B2. Both Rules are in Part 1, Electric Supply Stations. Rule 110A1 was revised to clarify substation safety sign requirements and Rule 110B2 was revised to clarify substation storage requirements.

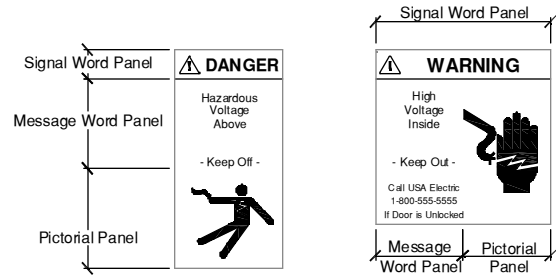
Safety Signs, Rule 110A1.

The requirements for locating substation safety signs are shown below.



The change to Rule 110A1 clarifies that a safety sign is required at each entrance and on each side of the fenced enclosure, not each side of the entrance. The NESC references the ANSI Z535 Standards for information regarding safety signs. Examples of ANSI Z535 sign formats are shown in the next figure.

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Signal Word Choices:

- DANGER** - Highest level, red background, imminent hazard for serious injury or death.
- WARNING** - Medium level, orange background, potential hazard for serious injury or death.
- CAUTION** - Lowest level, yellow background, potential hazard for minor or moderate injury or unsafe practices.

ANSI Z535 documents provide numerous details on formats, colors, size, wording and symbols.

Message Word Panel: Describes the hazard and an action to avoid the hazard

Pictorial Panel Electrical Examples:



Substation Storage, Rule 110B2, Exception 3

In general, substations must not be used for storage; however, three exceptions exist. Exception 3 permits stored material for work in progress (not just general warehousing). The work in progress could be for a distribution line being rebuilt a few bocks away from the substation. Substations are areas that must only be entered by qualified personnel. The change to the exception permits persons escorted by qualified personnel to also enter the substation to retrieve stored materials. This permission is similar to the escort rule in Rule 421C.

Training Options

During the months of October and November, Marne and Associates will be presenting a one-day seminar entitled *Major Changes and General Overview of the 2007 NESC®* at the following locations:

October Schedule

Minneapolis on October 24, 2006

Bismarck on October 26, 2006

November Schedule

Albuquerque on November 1, 2006

Dallas on November 9, 2006

Las Vegas on November 30, 2006

Marne and Associates, Inc. has scheduled **23 more locations** across the United States, plus presentations for **NWPPA** and **RMEL**. In addition to our Public Seminars, we offer Live Web Seminars, Recorded On-Demand Seminars, and In-House Presentations. Visit www.marneassociates.com for your NESC training needs.



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