

2007 NESC® CHANGES

NEWSLETTER

Issue 7 of 8

www.marneassociates.com

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Codebooks, Handbooks, and More

Visit www.codehandbook.com/codestore and check out our NEW reference, *Design Guide for Rural Substations*. Various RUS manuals are available to purchase in convenient and updated bound editions.

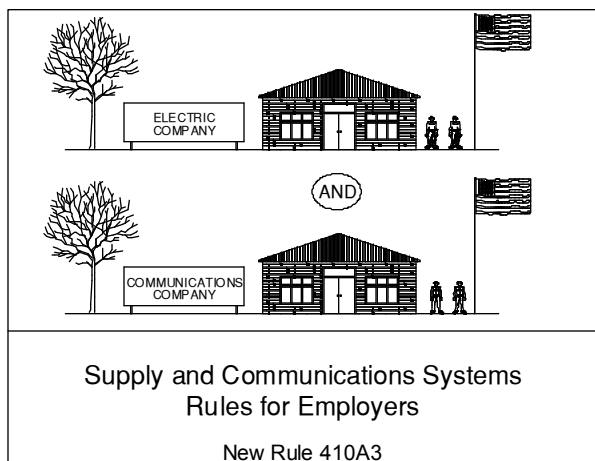
Focus on Changes

This month we are focusing on new Rule 410A3 and revised Rule 420I. Rule 410A3 is contained in Part 4 of the NESC®, Section 41, Supply and Communication Systems-Rules for Employers. Rule 420I is contained in Part 4 of the NESC®, Section 42, General Rules for Employees.

New Rule 410A3

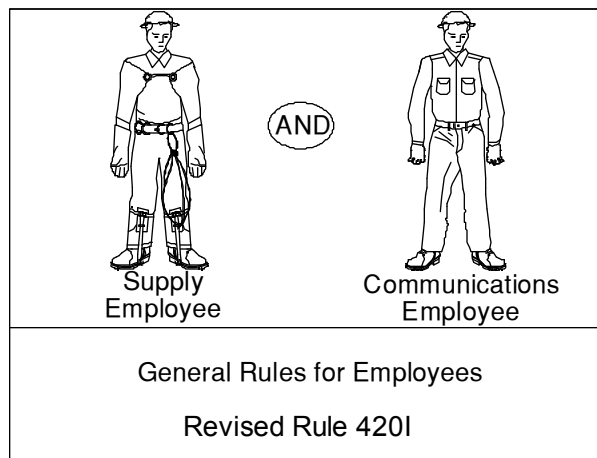
New Rule 410A3 provides requirements for employers to perform an arc hazard analysis. Effective January 1, 2009 the employer must ensure an assessment is performed to determine the potential exposure to electric arcs for employees who work on or near energized lines or equipment. To determine the effective arc ratings of clothing, new NESC® Tables 410-1 and 410-2 must be used or a separate arc hazard analysis must be performed. Specific materials must NOT be worn when exposed to an electric arc or flame. These materials are acetate, nylon, polyester, and polypropylene.

New Rule 410A3 has an effective date between the current (2007) edition of the Code and the next (2012) edition of the Code. Performing an arc hazard analysis is new to the electric utility industry and therefore the Code Committee has allowed time to respond to this new rule. OSHA Standards for power line workers are currently being revised to include similar arc hazard clothing requirements. The industrial/commercial electrical worker has already been introduced to arc hazards and clothing requirements through NFPA 70E.



Revised Rule 420I

Revised Rule 420I has new wording stating that, "When employees will be exposed to an electric arc, clothing or a clothing system shall be worn in accordance with Rule 410A3." Rules 410A3 and 420I are partners. Section 41 of the Code requires employers to perform the arc hazard analysis. Section 42 of the Code requires employees to wear fire-rated clothing determined to be necessary by the arc hazard analysis.



Training Options

Public Seminars Across the USA

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

April Schedule

Louisville on April 12, 2007

Atlanta on April 24, 2007

May Schedule

Pittsburgh on May 3, 2007

St. Louis on May 15, 2007

Detroit on May 17, 2007

IEEE Rural Electric Power Conference (REPC) Tag-Along Presentation

Marne and Associates will be presenting our 2007 NESC® Changes Seminar at the IEEE Rural Electric Power Conference (REPC) on May 9, 2007. Visit www.ieeerepc.org and click on "Tag Along Seminars" for more information.

Please visit www.marneassociates.com to register for any of our training sessions.

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