

# 2007 NESC® CHANGES

## NEWSLETTER

Issue 5 of 8

[www.marneassociates.com](http://www.marneassociates.com)

January 2007

### Happy New Year!

Happy New Year from Marne and Associates, Inc. We wish you the best in 2007! Start the year out right with copies of the 2007 NESC and McGraw-Hill's NESC 2007 Handbook. Visit [www.codehandbook.com](http://www.codehandbook.com) to order these and other invaluable references.

### Focus on Changes

This month we are focusing on modified NESC Table 253-1 (Load Factors for Grades B & C), modified Table 261-1A (Strength Factors), soon to be deleted NESC Table 253-2, deleted Rule 261A2e (Average Strength of 3 Poles), and new Rules 261A3 and 261D3 (Fiber-Reinforced Polymer Structures and Crossarms).

#### Modified NESC Tables 253-1 (Load Factors) and 261-1A (Strength Factors)

Modified NESC Tables 253-1 (Load Factors) and 261-1A (Strength Factors) were reformatted due to changes in Rules throughout Sections 25 and 26. For example, NESC Table 253-1 was modified to include the new 250D (Extreme Ice with Concurrent Wind) loads which were discussed in last month's newsletter. NESC Table 253-1 was also modified by adding columns (titled At Crossings and Elsewhere) for Grade C construction. The companion Table to NESC Table 253-1, which is NESC Table 261-1A, was also modified for changes to Rules throughout Sections 25 and 26. For example, modifications were made to include Fiber-Reinforced Polymer Structures. NESC Tables 253-1 (Load Factors) and 261-1A (Strength Factors) are used in conjunction with each other to determine the overall safety factor (the combined effect of the load factor and strength factor) used in line design calculations.

#### Soon to be Deleted NESC Tables 253-2 and 261-1B

The alternate load factor/strength factor method (NESC Tables 253-2 and 261-1B) must not be used after July 31, 2010. This date is near the middle of the code cycle as the next code edition issued will be in 2012.

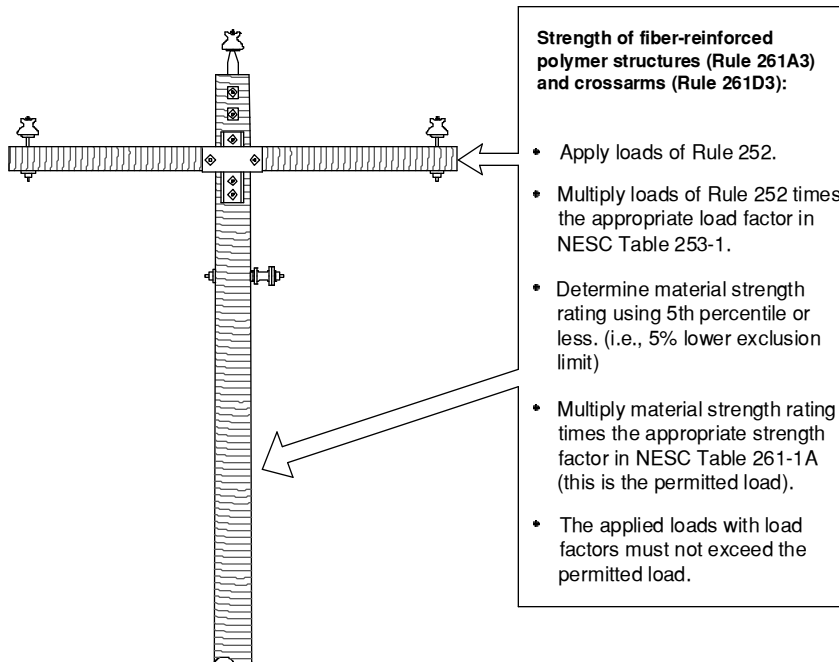
#### Deleted Rule 261A2e (Average strength of three poles)

Rule 261A2e (Average strength of three poles) was deleted. This rule allowed a weak pole to be reinforced by stronger poles on each side of the weak pole if certain conditions were met. This rule has been deleted and is no longer applicable. Each pole must now stand up on its own merits.

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### New Rules 261A3 and 261D3 (Fiberglass Poles and Crossarms)

Fiberglass poles and crossarms are now covered in the NESC. The official Code name for fiberglass is fiber-reinforced polymer. New Rule 261A3 covers fiberglass poles and new Rule 261D3 covers fiberglass crossarms. See the figure below.



### Training Options

#### Public Seminars Across the USA

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

#### January Schedule

**Omaha** on January 9, 2007

#### February Schedule

**Sacramento** on February 1, 2007

**Salt Lake City** on February 13, 2007

**Newark** on February 27, 2007

#### On-Demand NESC® Seminar Now Available!

*Flaming Hot 2007 NESC® Changes* is a 60 minute recorded presentation that is available to view at any time, in any location.

Please visit [www.marneassociates.com](http://www.marneassociates.com) to register for any of our training sessions.



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