

2015 PLS-CADD Advanced Training and User Group

NESC Change Proposals

by

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The NESC Process

- 5 Year Cycle
- Working on 2017 Edition
- Subcommittees Work on Change Proposals - 2012
- Subcommittees Develop Recommendations
- Preprint Issued for Public Comments - September 2014
- Public Comments Due - May 1, 2015
- Subcommittee Consider Public Comments and Revote
 - August 2015

2017 Change Proposals

- The following CPs could affect PLS Users
 - CP 4506 - Nonlinear analysis
 - CP 4610 - 60 ft Exclusion
 - CP 4694 - Insulators
 - CP 4651 - K factor

CP 4506; Rules 260 and 261

- Adds Nonlinear Analysis (Does NOT remove linear)
- Adjusts Strength Factors in Table 261-1 to allow for both linear and nonlinear analysis
- Adjusts Load Factors in Table 253-1 (two tables, 253-1a and 253-1b) to allow for both linear and nonlinear analysis
- [NEESC Preprint](#)

CP 4610; Rules 250C and 250D

- This proposal eliminates the present exemption for structures not exceeding 60 feet in height from consideration of 250C “Extreme Wind Loading” and 250D “Extreme Ice with Concurrent Wind Loading.”
- For Rule 250C (Extreme Wind Loading), the required wind speed for such structures would be limited to that which produces wind-blown debris (e.g., Category 1 hurricane).

CP 4694; Rules 253 and 277

- Includes insulators in Rule 253 so that insulators are designed to the same loads as all other structural components.
- Recommended by ANSI C29 Committee

CP 4651

- Removes the “k” factor
- Rejected in first round

What's Next?

- Public comment period is closed.
- You can still contact NESC representatives, but more importantly their representative Organizations to state your opinions
- Safety vs. Design?

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