

FLORIDA LINEMAN COMPETITION



115kV Transmission Line Bell Change Out

Mean Time: 10 minutes

Drop Dead: 12 minutes

Chief Judge: Mike Hatcher, *City of Tallahassee*

Event Summary:

Teams will be changing out the center bell on a string of seven 10 inch ball & socket 30K transmission line bells. The construction will be a 25 degree running angle built with 477 ACSR conductor sagged at 2K. The bell to be changed will be clearly marked. The line will be grounded on each end of the event. Teams will also install their own personal ground at the event pole they are working on, proper means and methods will be used at all times during the event. All rigging shall be rated and in good working order.

Event Specifics:

1. Conductor will be 477 ACSR.
2. Teams must maintain MAD at all times when installing the personal ground.
3. Improper rigging will not be allowed, all rigging equipment shall be rated and in good working order.
4. Broken or chipped bells will be a 10 point deduction.
5. Bells will be 30K Ball & socket with a 30K Y-Ball on the top end and a 30K socket clevis with a 477 angle shoe on the armor rodded conductor.
6. Teams will be allowed 5 minute set up time.
7. Time will start on judges signal with fall arrest detached from pole.
8. Time will stop when last lineman has both feet on the ground.
9. All general rules must be followed.
10. All tools and equipment not being used must remain on tarp during event.
11. Judging will continue until area is returned back to its original form.

Minimum List of Tools for Event:

- Handline
- Grunt Sack
- Slack blocks or hoists and grip
- 9/16" wrench

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