

When working with energized equipment or lines, there are additional risk factors that may result in injury or even death. If you are required to string adjacent to energized lines there are some basic safety precautions that you need to be aware of.

Prior to stringing parallel or adjacent to an energized line, it is important to identify if induced-voltage buildups will occur during switching or grounding. In the event there is the chance that dangerous induced voltage will occur, use the tension stringing method to prevent accidental contact between lines.

Make sure to install a ground between the tensioning reel setup and the structure that you are working on to ensure that all bare conductors are covered. Whenever you are stringing adjacent to energized lines make sure that every bare conductor and overhead ground conductor is grounded, so that no point is ever more than two miles from the ground. If conductors are bundled, then bundle jumpers are needed to ensure proper grounding. Also install rolling grounds prior to stringing equipment and on both sides of energized lines crossing under stringing operations. In addition, if working from a crane basket, use a break away personal basket ground. Make sure grounds are placed with a shotgun stick or switch stick.

If you are working on conductors and overhead ground conductors make sure that they are grounded at all dead end and catch-off points. Make sure that grounds are placed on all sides and within 10 feet of all work sites in which conductors or overhead ground conductors are being worked on at ground level.

Whenever you are working with conductors and overhead ground conductors make sure that they are bonded to the tower at any isolated point where you might have to work on a line. Ground all de-energized lines when working on dead end towers.

If you are on structures and working with conductors or overhead ground conductors, it is crucial that there are grounds installed at every work location. All pulling and tensioning equipment should be insulated, isolated or grounded and has a barricade and EQU equipotential zone (EPZ). Make sure that only authorized employees are permitted in zone.

Grounds should be left in place until work is completed. Grounds can only be removed upon completing your work as long as the line is not left open-circuited at the isolated tower where work is being done. Remove grounds during the last phase of clean-up after completing a job. Unless you are using a moving-type ground, remove grounds with a shotgun stick or switch stick.

DISCUSSION QUESTIONS

What should you do prior to stringing parallel or adjacent to an energized line?

What should you do if there is the chance that dangerous induced voltage will occur?

What should you do when working on conductors and overhead ground conductor?

All pulling and tensioning equipment should be what?

What are bundle jumpers and when are they used?

SAFETY TALK ATTENDANCE ROSTER



COMPANY: _____ JOB/DEPT: _____

DATE: ___/___/___ TIME: _____

TOPICS ADDRESSED: _____

EMPLOYEE'S SIGNATURES:

_____	_____	_____
_____	_____	_____
_____	_____	_____
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EMPLOYEE SUGGESTIONS AND RECOMMENDATIONS: _____

ACTION TAKEN: _____

Supervisor's Signature

___/___/___
Date

Safety Coordinator's Signature

___/___/___
Date