

# NATF Redacted Operating Experience Report

Safety – Improper Installation of Safety Grounds

#### About NATF Redacted Operating Experience (OE) Reports

North American Transmission Forum (NATF) operating experience reports highlight positive or negative transmission (reliability or resiliency) experiences worth sharing for learning opportunities or potential trending. The overall goal is to help each other learn without experiencing the same issues first-hand. This sharing originates confidentially within the NATF membership.

Redacted operating experience reports are posted on the NATF public website to allow the NATF and its members to more broadly share information, especially safety-related alerts and learnings, with contractors and other utilities to benefit the industry at large.

The NATF member company that submitted the initial restricted distribution OE report for this topic/event has approved the NATF to issue this redacted OE report.

#### **Open Distribution**

Copyright © 2018 North American Transmission Forum. Not for sale or commercial use. All rights reserved.

#### Disclaimer

This document was created by the North American Transmission Forum (NATF) to facilitate industry work to improve reliability and resiliency. The NATF reserves the right to make changes to the information contained herein without notice. No liability is assumed for any damages arising directly or indirectly by their use or application. The information provided in this document is provided on an "as is" basis. "North American Transmission Forum" and its associated logo are trademarks of NATF. Other product and brand names may be trademarks of their respective owners. This legend should not be removed from the document.

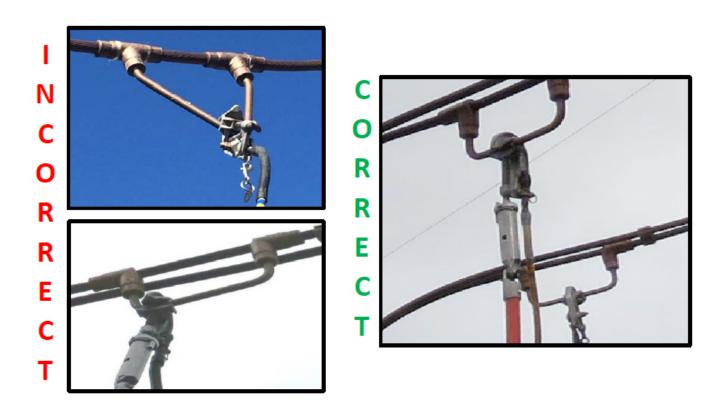


# **Topic**

Improper Installation of Safety Grounds

### Description

While performing a routine 161 kV circuit breaker test, a crew observed loose safety grounds. The safety grounds were applied near the bend of the grounding stirrups (where the resting weight may cause the safety ground to go during attachment). One corner of the temporary ground clamp was tightened in the bend and not completely flat on the ground stirrup. After slight vibration, the clamp slid out of the bend and became loose.



#### Lessons Learned

1. When using grounding stirrups, the temporary safety ground should be attached in the middle of the flat portion of the stirrup and away from any bends.

Reference: NATF-OER-216



# Actions Taken

- Shared this OE with transmission construction and maintenance personnel
- Shared this OE with NATF
- Issued a "Transmission Notice" to address the improper installation of existing grounding stirrups

# **Extent of Condition**

This is applicable to all ground stirrup applications, including triangular and U-shaped.

Reference: NATF-OER-216