

# STLNA Liaison Report to the IEEE PES Switchgear Committee

Fall 2024: October 15, Oklahoma City, Oklahoma



Chair: Victor Savulyak Secretary Frank DeCesaro

## Meeting Highlights

1. The STLNA met on Tuesday, October 15, 2024. There were (10) in attendance. Five out of six member labs were represented.

2. Technical Discussions:

- a. On spring 2024, STLNA started discussion on current distortion during Line and Cable Charging tests.

*“The waveform of the current to be interrupted should be sinusoidal. This condition is considered satisfied if the ratio of the ..... value of the current to the ..... value of the fundamental component does not exceed 1.2.”*

As of now, there is no prove that any of the methods will effect test results. No recommendation for now.

RMS Ratio	Peak Ratio
IEC 62271-100:2008, 6.111.6 Capacitor bank current switching tests	
IEEE C37.41-2008, 6.10.4 Capacitive currents interrupting tests	
IEEE C37.41-2016, 9.5.4.2.1 Capacitive currents interrupting tests	
IEC 62271-102:2018, 7.107.2 Induced current switching test	IEEE C37.100.2-2018, 4.6.3 Capacitive switching
IEEE C37.09-2018, 4.10.6 Cable charging current	IEEE C37.62-2020, 7.13.2 Cable and line charging
IEEE C37.60/IEC 62271-111:2019, 7.101.5 Cable and line charging	IEEE C37.74-D3.3-2024, 7.7.5.6.2 Cable charging

- b. STLNA clarified fuse-link cross section for IEC 60282-1 HV Fuses. STL Guide for this standard will be updated based on the TC discussion on this matter.