

# STLNA Liaison Report to the IEEE PES Switchgear Committee

Spring 2022: Orlando, Florida April 12, 2022



Chair: Victor Savulyak Secretary Brian Marchionini Technical Liaison Director: Chris Morton

## Meeting Highlights

1. The STLNA met on Thursday, April 12, 2022. There were (10) in attendance in person and secretary was online. Five out of eight member labs were represented.

### 2. Technical Discussions:

- a. STLNA continue responsibility for STL Guides for IEC 60282-1 & -2. New revision of IEC 60282-1 Current-limiting fuses of 2020 was issued, and previous Guide was revised to address changes. They were editorial. It will be submitted to STL secretariat for review.
- b. A technical interpretation was made regarding IEEE C37.30.3 -2018 dealing with number of operations when using note 3 in Table 3 and testing with a load-switching circuit that utilizes a 20% source impedance may be substituted for the loop-switching test. Still 20 operations have to be performed.
- c. A technical interpretation was initiated regarding IEEE C37.41 -2016/Cor 1-2017 dealing with fuse link that has single rating. It was brought to the IEEE C37.41 WG group. Conclusion is that:
  - A homogeneous series can include a design that has only one fuse link size.
  - The one link size would be treated as both min. and max. for the interrupting tests, so all tests for series 1-5 would need to be completed (i.e., 2 samples tested with 3 shots each for series 1, etc.).

The plan of C37.41 WG is to include text in the next revision of C37.41 to clarify these two points.

- d. A technical interpretation was made regarding IEEE C37.41 -2008 and 2016/Cor 1-2017 dealing with order of tests to TS 4 and TS 5. None of STLNA laboratories perform TS4 before TS5 as a requirement. Moreover, laboratories may perform TS5 before TS4 as standard do not specify any particular order for the series 4 and 5 tests. STLNA interpretation is:
  - "Tests Series 4 and 5 of IEEE C37.41-2008 can be performed in any order."
  - "Tests Series 4 and 5 of IEEE C37.41-2016/Cor 1-2017 can be performed in any order.

If such requirement needed in the standard, it has to be addressed in the next revision or corrigendum.

If HVF Subcommittee think that order of tests can change results, please specify reasons and STLNA will organize meeting with to discuss.

- e. A technical interpretation was initiated regarding IEC 62271-111/ IEEE C37.60 Ed. 3.0 2019-02 dealing with grounding connection configuration and metering points for consistency since the standard is lacking clarity for this
- f. In respond to Fall 2021 comment about STL/STLNA and IEC working group process.

There is no formal arrangement between IEC and STL. Where a STL Member has a representative on an IEC Committee, it is a matter of courtesy to share information such as a STL Guide.

