

T&I Meeting Minutes

Oct 11th, 2021 – Virtual Teams meeting



Chair: Nenad Uzelac
Secretary : Alex Lizardo
Meeting: [Click here to join the meeting](#) (Full URL listed on page 6)
Time: Oct 11th, 3.45PM – 5.30PM CST.

Meeting Minutes

1. Call to order

The web meeting was opened at 3:30pm and called to order at 3:45pm

2. Zoom meeting etiquette

A quick overview of web-based meeting etiquette, AKA “netiquette”, was presented to ensure a successful meeting.

3. Introductions of guests

Introductions were given in Teams chat.

4. Attendance

There were 10 members and 37 guests in attendance. Quorum was met.

5. Approval of the agenda

The agenda was elucidated by the chair. Motion to accept without changes made by J. Mizener, 2nd by A. Livshitz. Approved by unanimous consent.

6. Patent Slides

IEEE patent slides were shared with the attendees with no comments from the group.

7. Meeting minutes approval

The meeting minutes from April 2021 meeting were showed. No objections were stated. Motion to accept without changes made by K. Darko, 2nd J. Mizener, Approved by unanimous consent.

8. Chairman report

- Subcommittee scope: The chair affirmed messages from prior meetings:
 - T&I facilitates and conducts research, develops technical reports and makes recommendation, and coordinates with other technical committees, groups, societies, and associations as required.

- T&I will not be developing standards. The subcommittee deliverables will include technical reports and technical papers, which could later be used for the advancements of the switchgear standards.
- Subcommittee membership and structure: The chair shared the current members list – currently we have 17 members and 1 vacancy.
People who want to become member should send an email to Nenad.

9. Task Force reports

- a. “Testing for Power Frequency Over-Voltages $\geq 200\%$ open gap” M. Chhabra reported out: Following recommendations from Spring Meeting, TF conducted a statistical analysis of what the voltage across an open gap would be if both sides of the gap were energized by independent sources. Results of the microgrid scenario and analysis was shared with the group. Next steps are to review scenarios not covered by IEEE 1547, interconnecting standards and their allowable delays, and to study the dependence of over-voltage stresses on insulating medium. Expected completion was reported as April 2022. TF is seeking expert opinions.
Action: M. Chhabra to review IEEE P2800 as recommended by C. Schuetz and Sushil/Victor’s White Paper referenced by A. Bufi.
Action: M. Chhabra to compile a survey with a list of questions for which he is seeking expert opinions.
- b. “Aging Switchgear: condition assessment and lifecycle management” A. Nenning reported out: Currently the TF has 6 members and is still seeking users with real world examples. Current progress including Call for Participants was shared.
Action: A. Nenning to follow up with those who volunteered to participate or to look for experts (F. Coziuc, A. Livshitz, M. Aristizabal, R. Jain, L. Phan, J. Mizener)
Action: A. Nenning and N. Uzelac to review conferences (WEI and Midwestern Utilities) recommended by C. Worthington.
- c. “T&D switchgear special applications” N. Uzelac reported on behalf of S. Shinde: This TF is also seeking for experts and expects to have a draft by Spring 2022.
Action: N. Uzelac to clarify with S. Shinde on question from I. Glinsky on clarifying what is “Power factor testing of CB in the field”.
- d. “2021 T&D Technical User Study” P. Leufkens representing a group organized by Dave Johnson reported out: A presentation with the objective, areas of interest, and revelation of miscellaneous concerns. Next steps include conducting more interviews and having the white paper draft ready for Spring 2022.
Action: M. Chhabra to provide P. Leufkens with his list of questions and coordinate whether any of the questions can be included in the user study.

10. Open Discussion

- a. Develop a “call for experts” system to participate in Task Forces Nenad
Action: G. Becker to reach out to Substation Committee and GIS group with call for experts.
- b. Any new topics that T&I should discuss All
Action: A. Bufi to propose a scope and follow up with N. Uzelac on his recommendation around new power systems mega trends specific to switchgear.
Action: G. Becker to provide N. Uzelac on JTCM details and GIS Subcommittee panel.

11. Updates from relevant organizations:

- a. CIGRE A3 update: N. Uzelac gave updates on A3 including CIGRE 2021 virtual conference, UAB, and upcoming activity.

12. Future events / conferences of interest

- November 20-23: CIGRE symposium in Ljubljana, Slovenia (reshaping the electric power system infrastructure)
- Nov 29 – Dec 2nd: 3rd SEERC conference in Vienna (South East European regional council)

13. Future meetings

- Check Switchgear Committee website for updates.

14. Adjourn

Meeting adjourned at 5:35PM CST.

Reported by:
Alex Cochran
SC Secretary
October 11, 2021

Attendance:

Role	First Name	Last Name	Company
Chair	Nenad	Uzelac	G&W Electric
Secretary	Alex	Cochran	JST Power
Member	Sterlin	Cochran	Oak & Shield LLC
Member	Kennedy	Darko	G&W Electric Co
Member	John	Kaminski	Siemens
Member	Paul	Leufkens	Power Projects Leufkens
Member	Albert	Livshitz	CE Power Engineered Services
Member	Jeff	Mizener	Siemens Industry, Inc.
Member	Caryn	Riley	Georgia Tech/NEETRAC
Member	Charles	Worthington	Hubbell Power Systems
Guest	Edwin	Almeida	Southern California Edison
Guest	Mauricio	Aristizabal	Hitachi ABB Power Grids
Guest	George	Becker	POWER Engineers Inc.
Guest	Arben	Bufi	Meiden America Switchgear, Inc.
Guest	Mohit	Chhabra	S&C Electric Company
Guest	Fiori	Coziuc	S&C Electric
Guest	Michael	Crawford	Mitsubishi Electric
Guest	Edgar	Dullni	retired
Guest	Curtiss	Frazier	Ameren
Guest	Lou	Grahor	Eaton Corporation
Guest	Francisco	Guzman	Southern California Edison
Guest	John	Harley	FirstPower Group LLC
Guest	Bill	Hurst	GE
Guest	Todd	Irwin	GE Grid Solutions
Guest	Rahul	Jain	S&C Electric Company
Guest	Brendan	Kirkpatrick	Southern California Edison
Guest	Scott	Lanning	S&C Electric
Guest	Brad	Leccia	Eaton
Guest	Colby	Lovins	Federal Pacific
Guest	Henning	Milnikel	Siemens
Guest	Andreas	Nenning	OMICRON electronics GmbH
Guest	Lise	Phan	Pacific Gas and Electric Company
Guest	Daniel	Schiffbauer	Toshiba International Corporation
Guest	Carl	Schuetz	American Transmission Company (ATC)
Guest	Mike	Skidmore	AEP
Guest	Kirk	Smith	Retired
Guest	Francois	Trichon	Schneider Electric
Guest	Jim	van de Ligt	Spark Power Corp.
Guest	Karthik Reddy	Venna	Siemens AG
Guest	Adam	Voyles	Ameren
Guest	Jeff	Ward	Doble Engineering Company

Guest	John	Webb	ABB
Guest	Jan	Weisker	Siemens AG
Guest	Chunmeng	Xu	ABB
Guest	Li	Yu	EATON
Guest	Wei	Zhang	Hitachi T&D Solutions, Inc.
Guest	Danish	Zia	UL LLC

Teams Meeting Invite:

Nenad Uzelac is inviting you to a scheduled Teams meeting.

Topic: IEEE T&I subcommittee meeting

Time: October 11th, 2021 03:45 PM Central Time (US and Canada)

Join Teams Meeting

https://teams.microsoft.com/l/meetup-join/19%3ameeting_MDAwMzdkMjEtMDI2Yy00ZWl5LTlhMDMtYzkwNjYzYTE1MmRj%40thread.v2/0?context=%7b%22Tid%22%3a%223f944c04-0f59-41d8-a423-716a63f07edd%22%2c%22Oid%22%3a%225b6e6eb9-7a5b-4248-9428-fb1eebd885b0%22%7d