

IEEE Switchgear Spring 2018 standards meeting

Location: Marriot Hotel, Kansas City
Date: October 15, 2018
Room: Trianon C
Time: 1:30PM to 3:15PM
Chair: Nenad Uzelac

Meeting Minutes

1. Call to order

The meeting was called to order at 1.30PM.

2. Introductions and Circulation of the subcommittee sign-in sheet.

Sign-in sheets were circulated, and introductions were made.
There were 45 guests in attendance.

3. Meeting minutes approval.

The meeting minutes from April 24th meeting were showed. No objections or changes.

4. Chairman report:


- Subcommittee scope: The chair opened the meeting saying that this is the second informal Technology & Innovation (T&I) subcommittee meeting. Once the new Switchgear O&P that include the T&I subcommittee is approved by IEEE PES Technical committee, T&I Subcommittee will be formalized.
 - Important point is that 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: The chair also stated that once the new O&P are approved, the subcommittee will need to recruited members. The job of subcommittee members will be:
 - to discuss and chose new proposals for forming task forces
 - to help to identify experts to lead/participate in those task forces
 - to review / comment / approve Task force reports

5. Old business

- Alternative Gases Task Force:

- IEEE Alternative Gases Task Force published the report “Impact of Alternate gases on IEEE switchgear standards”, which is available now at IEEE PES resource center. The report number is PES-TR-64.
- Since the field of alternate gases is very dynamic, the decision has been made that this report shall be updated in two years, before end of 2020. Nenad Uzelac will be looking for a volunteer to lead this project.
- Task force reports:
 - Two task forces were created during the Spring 2018 meeting:
 - TF1: To review IEEE 1547 standard and analyze its impact on the switchgear standards
 - The TF reviewed 1547 standard, identified a few areas of concern and had a several meetings with IEEE 1547 team to discuss.
 - Paul Leufkens, Sterlin Cochran and David Dunne summarized the findings in the presentation “the influence of IEEE 1547 on Switchgear standards”. Paul Leufkens presented.
 - Presentation File:
 - TF2: To draft the document for submitting new project proposal (led by Nenad Uzelac)
 - Nenad Uzelac presented the New Project Proposal Form and solicited feedback from the audience. A few comments were made that the document format is good. Also, a proposal was made to make this document available for download at T&I website.
 - Nenad Uzelac emailed the document to ADSCOM for review (see below – click to open)

IEEE Switchgear Technology
& Innovation subcommittee



DRAFT

New Research Group Proposal

Date	
Rev #	

Submitters' Name:	Affiliation	Email
1		
2		
3		

Title						
Deliverable	Quick feasibility (0-6 mon)		White paper (6 – 12 mon)		Technical Report (1-3 years)	
Affected subcommittees	HVCB	RODE	HVF	HVS	SA	LVSD
Affected IEEE committees	(substation committee, relay committee, transformers committee, etc...)					
Other	(NEMA, CIGRE, IEEE standards, IEC standards, EPRI, etc...)					

6. New business:

The chair facilitated a discussion on the new trends in the industry that are relevant to the switchgear standards. The purpose of this discussion was to generate some ideas for the possible T&I work.

3 proposals have been discussed and agreed to be prepared before Spring 2019 meeting:

- 1) Issue of aging equipment (diagnostics, end of life) (Albert to write the proposal)
- 2) Need for longer product life (increased number of operations, etc) (Sushil to write the proposal)
- 3) Implications of inverter-based technologies on the switchgear (TBD who to write the proposal)

7. Next Meeting

Next meeting will be held during 2019 IEEE Switchgear Spring meeting

8. Adjourn

The meeting was adjourned at 3: 15PM

	Role	First name	Last name	Company	Join T&I?
1*	Chair	Nenad	Uzelac	G&W	
2	Guest	Mauricio	Aristizabal	ABB	X
3	Guest	Albert	Livshitz	CE Power Engineered Services	X
4	Guest	Richard	York	MEPPI	
5	Guest	Paul	Barnhart	Underwriters Laboratories	
6	Guest	Jeff	Mizener	Siemens Industry, Inc.	X
7	Guest	David	Lemmerman	PECO/Exelon	
8	Guest	Thomas	Pellerito	DTE Energy	
9	Guest	David	Dunne	Schneider Electric	
10	Guest	Henk	de Paske	KEMA Netherlands	
11	Guest	David	Johnson	Self-Employed	
12	Guest	Paul	Leufkens	Power Projects Leufkens	
13	Guest	Lou	Grahor	Eaton Corporation	
14	Guest	Brad	Leccia	Eaton	X
15	Guest	Clint	Carne	Schneider Electric	X
16	Guest	Robert	Foster	Megger	
17	Guest	Wangpei	Li	Eaton	X
18	Guest	Vincent	Chiodo	HICO	X
19	Guest	Richard	Rohr	Powell Electrical Systems	
20	Guest	Daniel	Schiffbauer	Toshiba International Corporation	
21	Guest	Victor	Savulyak	DNV GL KEMA Laboratory	
22	Guest	Jeremy	Hensberger	MEPPI	
23	Guest	JaeHyun	Kim	HICO America/Hyosung	X
24	Guest	James	Ruebensam	S&C Electric Co.	
25	Guest	Rahul	Jain	S&C Electric Company	X
26	Guest	Francois	Trichon	Schneider Electric	X
27	Guest	Kennedy	Darko	G&W Electric Co	
28	Guest	Kevin	Sippel	Eaton Electric	X
29	Guest	Scott	Lanning	S&C Electric	X
30	Guest	Jeffrey	Door	The H-J Family of Companies	X
31	Guest	Brad	Armstrong	Meramec Instrument Transformer	
32	Guest	Justin	Palmer	ELECTRONSYSTEM MD	
33	Guest	Mark	Pattison	H-J Family of Companies	
34	Guest	Jeff	Ward	Doble Engineering Company	X
35	Guest	SangTae	Kim	HICO America	X
36	Guest	Caryn	Riley	Georgia Tech/NEETRAC	
37	Guest	Robert	Wolf	Hubbell Power Systems, Inc.	X
38	Guest	Randall	Creach	AZZ Switchgear Systems	
39	Guest	Paul	Rakus	Eaton	
40	Guest	Jacob	Nelson	HPS	
41	Guest	Mohit	Chhabra	S&C Electric	X
42	Guest	Michael	Boulus	PSE&G	
43	Guest	Anil	Dhawan	ComEd	X
44	Guest	Sushil	Shinde	ABB	
45	Guest	Robert	Eichelberger	Eaton	

(*) in BOLD names of people that attended both Spring and Fall 2018 T&I meetings.