

Report of Task Force PC37.11 Revision
Standard Requirements for Electrical Control for AC High-Voltage (>1000V) Circuit Breakers
Tuesday, October 16th, 2018
14:00 – 15:30
Kansas City Marriott Downtown, Kansas City MO

- I Welcome
- II Introductions
Task force opened with John Webb acting as chair and 46 interested individuals. Introductions made with affiliations stated. List of participants is attached.
- III With respect to the call for essential patents, at this point in the work no draft standard exists. The chair explained that as work proceeds should any clauses be introduced which requires an essential patent it must be disclosed.
- IV This was the initial meeting of the TF, no minutes from previous meetings exist.
- V Old Business
- a. None.
- VI New Business
- a. Discussed the scope of the revision. The possibility of including circuit switchers and/or other switching devices was raised. In the end it was determined to maintain the original scope (limited to high voltage circuit breakers).
- 20 voting to keep the scope as per the previous revision of the standard.
 - 0 votes to specifically include circuit switchers
 - 2 votes to modify the scope to read "... or other switching devices."
- b. It was noted that the control circuit requirements in C37.016 were viewed by some participants as potentially needing clarification.
- c. The topic was raised that IEEE Std. C57.148 IEEE Standard for Control Cabinets for Power Transformers may serve as a useful guide for an expansion of the existing document.
- Further discussion indicated that the material covered by C37.148 was extremely interesting to both manufacturers and user, but the scope of such an effort was likely too broad to be covered under the existing standard.
- It was agreed by the TF to recommend that another task force be formed for the purpose of creating a new standard similar in intent to C57.148 but limited to outdoor high voltage circuit breakers.
- d. A draft PAR was prepared by the TF and is attached for review by the HVCB subcommittee with the recommendation that that it be approved for formation of a new WG.

Chair adjourned meeting at 15:30

Attachments: (1) Participant List
(2) Draft PAR for revision of C37.11

John C. Webb
Chair

IEEE/PES Switchgear Committee Guests

Name / Place / Date of Meeting: *TF PC37.11 Revision Knoxville City, TN 10/16/15*

Name Company / Institution	Employer / Institution City, State Country	Phone Email	Status Requested (circle one)
John E. Doe Acme Engineering	Anytown , Texas USA	(555) 555-5555 john.e.doe@acme.com	Member Guest
1 Andrew Peterson	ABB		Member <u>Guest</u>
2 Dave Riffe	Westinghouse		Member <u>Guest</u>
3 Tanner Esco	EATON		<u>Member</u> Guest
4 Mary Owens	Eaton		<u>Member</u> Guest
5 Jeff Ward	Doble Eng.		<u>Member</u> Guest
6 MAURICIO ARISTIZABAL	ABB		<u>Member</u> Guest
7 John Hall	TVA		<u>Member</u> Guest
8 Jen Hunter	Mitsubishi Electric		<u>Member</u> Guest
9 Cory Johnson	BPA		<u>Member</u> <u>Guest</u>
10 Neil McGord	KEC Precision LLC		<u>M</u>
11 LUCAS COLLETTE	DUQUESNE LIGHT		Guest
12 Karl Fender	Southern States LLC		Guest

IEEE/PES Switchgear Committee Guests

Name / Place / Date of Meeting: TF PC 37.11 Revision, KANSAS CITY, MO 10/16/19

10

13

14

15

16

17

18

19

20

21

22

23

Name Company / Institution	Employer / Affiliation City, State Country	Phone Email	Status Requested (circle one)
John E. Doe Acme Engineering	Anytown, Texas USA	(555) 555-5555 john.e.doe@acme.com	Member Guest
Steven May / Southern Co. Svcs	Atlanta, GA		Member <u>Guest</u>
Chris Jarnigan / Southern Company	Birmingham, AL		Member <u>Guest</u>
Eldridge Byron / Schweiden Electric	Smyrna, TN / USA		Member Guest .com
Emily Eftink	Burns & McDonnell / Kansas City		Member <u>Guest</u>
Travis Heintzelman			Member <u>Guest</u>
Chase Schaben	Burns & McDonnell		Member <u>Guest</u>
Jordan Tsvetanoff / First Energy	Akron, OH		Member <u>Guest</u>
Bharat Jagadeesan	Southern States LLC, Hampton, GA		Member <u>Guest</u>
Rich York	MEPPT		Member <u>Guest</u>

22 Kirk Duncan

23 COLIN YOUNCE

H. teddi TED

BURNS + McDONNELL

guest

GUEST

IEEE/PES Switchgear Committee Guests

Name / Place / Date of Meeting: TP P437.11 Revision, KANSAS CITY, MO 10/16/15

	Name Company / Institution	Employee / Affiliation City, State Country	Phone Email	Status Requested (circle one)
	John E. Doe Acme Engineering	Anytown, Texas USA	(555) 555-5555 john.e.doe@acme.com	Member Guest
24	Todd Irwin	GE/ Grid Solutions		Member Guest
25	Peter Marzee	S+C Electric Co.		Member Guest
26	DEAN SIGMON	EATON		Member Guest
27	Scott Lanning	S+C Electric		Member Guest
28	Raymond Frazier	Ameser		Member Guest
29	Tony Ricciuti	EATON		Member Guest
30	IED BURSE	POWELL		Member Guest
31	MICHAEL WACTOR	POWELL		Member Guest
32	Jon Schuman	ATC		Member Guest
33	Stephanie Montoya	SCE		Guest
34	Stephen Carly	ABB		Guest Member?

OVER

35	PATRICK DiLillo	CONSOLIDATED BRISON COPY	MEMBER
36	ARLEN BUFI	HITACHI T&D SOLUTIONS	MEMBER
37	Wei Zhang	HITACHI T&D SOLUTIONS	Member.
38	Robert Foster	Megger	Member
39	Steven Brown	Allen & Hoshall, Inc	Guest
40	VINCENT MARSHALL	Southern Company Services	Guest
41	Andy Keel	Salt River Project	Member
42	Sushil Shinde	ABB Inc	member.
43	Carl Schuetz	ATC	Member
44	Mike Skidmore	AEP	Member
45	Devki Sharma	Entergy	M
46	BERNARD DWYER	PECO	GUEST
	John Webb	ABB	

PC37.11

Submitter Email: jcwebb@ieee.org

Type of Project: Revision to IEEE Standard C37.11-2014

PAR Request Date: 16-Oct-2018

PAR Approval Date:

PAR Expiration Date:

Status: Unapproved PAR, PAR for a Revision to an existing IEEE Standard

1.1 Project Number: PC37.11

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Title: Standard Requirements for Electrical Control for AC High-Voltage (>1000 V) Circuit Breakers

Changes in title: ~~IEEE~~ Standard Requirements for Electrical Control for AC High-Voltage (>1000 V) Circuit Breakers

3.1 Working Group: HVCB - IEEE Standard Requirements for Electrical Control for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis (PE/SWG/HVCB-WG_C37.11)

Contact Information for Working Group Chair

Name: John Webb

Email Address: jcwebb@ieee.org

Phone: 919-522-4628

Contact Information for Working Group Vice-Chair

None

3.2 Sponsoring Society and Committee: IEEE Power and Energy Society/Switchgear (PE/SWG)

Contact Information for Sponsor Chair

Name: Todd Irwin

Email Address: todd.irwin@ieee.org

Phone: 724-263-2354

Contact Information for Standards Representative

Name: Michael Wactor

Email Address: mwactor@ieee.org

Phone: 713-948-4918

4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 10/2020

4.3 Projected Completion Date for Submittal to RevCom

Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 10/2022

5.1 Approximate number of people expected to be actively involved in the development of this project: 20

5.2 Scope: This standard establishes basic requirements for the control schemes of electrically controlled ac high-voltage circuit breakers rated above 1000 V. This standard is applicable to any type of power-operated mechanism and for both ac and dc control power. Only the basic control elements of the circuit breaker, including reclosing where required, are included in this standard. This standard does not include devices or circuits for protective relaying, special interlocking, etc., since these are dependent upon the specific application of a particular circuit breaker.

5.3 Is the completion of this standard dependent upon the completion of another standard: No

5.4 Purpose: The purpose of this standard is to establish basic requirements for ac high-voltage power circuit breaker control schemes so that users and manufacturers can affect engineering and production economies by reducing the multiplicity of special control schemes that are specified in the absence of standards.

5.5 Need for the Project: 1. Update the format of the document to IEEE Standard Template & Formatting

2. Update References to Normative Documents & Bibliography

3. Incorporate other changes due to advances in the art.

5.6 Stakeholders for the Standard: Electric Utilities, Traction Systems, Circuit Breaker Manufacturers, Switchgear Manufactures and Users

Intellectual Property

6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No

6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

7.1 Are there other standards or projects with a similar scope?: No

7.2 Joint Development

Is it the intent to develop this document jointly with another organization?: No

8.1 Additional Explanatory Notes: