

PAR Study Group
C37.10 Guide for Investigation, Analysis, and Reporting of CB Failures
Wednesday October 9, 2019, 8:00AM to 9:45AM
San Diego, CA

Chair: Neil Hutchins
Secretary: Todd Irwin

Agenda Item	
1	Call Meeting to Order
The meeting was called to order by the Chair at 8:00AM	
2	Introduction of Members & Guests
There were 39 attendees with 34 requests for membership.	
3	Verbal Call for Patent Identification
	https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf
4	Attendance and Quorum Check
As the first meeting of the Study Group, all membership requests are accepted, and quorum is confirmed.	
5	Agenda Review and Approval
Agenda was approved by consensus.	
6	Approval of minutes of previous meeting
First meeting – no previous minutes to approve	
7	Review need for C37.10
Study Group members agreed by consensus that a need still exists for this guide.	
8	Review and recommend PAR scope (As needed)
Recommended revisions were approved by consensus as attached. The Study Group recommends for HVCB Subcommittee approval to submit a PAR based on these revisions.	
9	Other Discussion/New Business
Items discussed for consideration in document revision <ul style="list-style-type: none"> • Create “fill-in” editable form for users of the guide. There can be a link to the editable version of the form • Consider impact of different voltage classes: MV, HV, EHV • Consider definition of “failure” • Impact of SF6-free • Safety – are there safety related standards that should be included as normative reference? • Check for scope creep with IEEE 1325. NOTE: The last revision of C37.10 included “...<i>intention is to combine IEEE 1325 and C37.10 into a newly revised guide and to then withdraw the existing IEEE 1325.</i>” Therefore IEEE C37.10-2011 did supersede 1325. • Use IMeetCentral for project management • When finished: hold Resource Center Tutorial 	
10	Adjourn
The chair adjourned the meeting at 9:29AM	

C37.10 Proposed PAR

Title: Guide for Investigation, Analysis and Reporting of ~~Power Circuit Breaker~~ Failures of AC High-Voltage Circuit Breakers and Circuit Switchers with Rated Maximum Voltage Above 1000 V

Scope: This guide provides practices and processes to perform, analyze, and report failure investigations of ~~power~~ AC high voltage circuit breakers and circuit switchers.

C37.10 Proposed PAR

Purpose: The purpose of this guide is:

- a) to provide guidelines and promote ~~uniformity in the~~ uniform, thorough analysis of ~~power~~ circuit breaker and circuit switcher failures;
- b) to provide guidance for systematic and uniform data collection so that valuable evidence is not lost or destroyed;
- c) to provide a consistent methodology by which the most probable cause of any particular circuit breaker or circuit switcher failure may be determined, whether equipment or system issue;
- d) to encourage cooperative efforts by users and manufacturers during failure analysis;
- e) to provide guidance for reporting failures ~~for~~ of ~~power~~ circuit breakers and circuit switchers

C37.10 Proposed PAR

Need for the Project: This project provides guidance on the process of investigating circuit breaker and circuit switcher failures and will promote the consistency in the process

Stakeholders for the Standard: Owners and asset managers of high voltage (HV) circuit breakers and circuit switchers, Operators and maintainers of HV circuit breakers or circuit switchers, Power industry

C37.10 - Meeting Attendance

Role	First Name	Last Name	Company	10/9/2019
Chair	Roy	Hutchins	Southern Company Services	X
Secretary	Todd	Irwin	GE Grid Solutions	X
Member	John	Harley	FirstPower Group LLC	X
Member	Miklos	Orosz	Myers Controlled Power	X
Member	Doug	Edwards	Siemens Industry, Inc.	X
Member	Anthony	Ricciuti	Eaton Corporation	X
Member	Tanner	Esco	Eaton Corporation	X
Member	John	Webb	ABB	X
Member	Dave	Mitchell	Mitch and Associates	X
Member	Thomas	Pellerito	DTE Energy	X
Member	Patrick	Di Lillo	Consolidated Edison Co. of NY, Inc.	X
Member	Vincent	Marshall	Southern Company Services	X
Member	Neil	McCord	KEC Precision	X
Member	Michael	Skidmore	AEP	X
Member	Vernon	Toups	Siemens	X
Member	John	Hall	Tennessee Valley Authority	X
Member	Don	Steigerwalt	Duke Energy	X
Member	Lise	Phan	Pacific Gas and Electric Company	X
Member	Carl	Schuetz	American Transmission Company (A	X
Member	Richard	Rohr	Powell Electrical Systems	X
Member	Scott	Lanning	S&C Electric	X
Member	John	Phouminh	PEPCO HOLDINGS, INC.	X
Member	Jeffrey	Ward	Doble Engineering Company	X
Member	Sean	Parsi	Dexotech	X
Member	Christopher	Jarnigan	Southern Company Services	X
Member	Steven	May	Southern Company	X
Member	Michael	Culhane	Eaton	X
Member	Emily	Eftink	Burns & McDonnell	X
Member	William	Weishuhn	ABB	X
Member	Robert	Hanna	ABB INC	X
Member	Bianca	Cosby	San Diego Gas & Electric	X
Member	James	Stage	Dominion Energy	X
Member	Benedict	Lavrinnoff	Kinetrics Inc	X
Guest	Dave	Riffe	Westinghouse Electric Company	X
Guest	Behzad	Sharifi	ABB	X
Guest	Michael	Whitney	CSA America	X
Guest	Francois	Trichon	Schneider Electric	X
Guest	Benjamin	Hohnstadt	DTE	X
Guest	Daniel	Crist	Siemens Industry, Inc.	X