

**A. Call to order**

This in-person meeting was called to order at 1:30 PM on October 14<sup>th</sup>, 2024 at the OMNI Hotel in Oklahoma City, Oklahoma.

**B. Approval of agenda**

The proposed agenda was review by the participants.

- Jeff Mizener made a motion to approve the agenda.
- Motion was seconded by Darryl Moser.
- No discussion followed and the agenda was approved by unanimous consent.

**C. Attendance**

The attendees introduced themselves and declared their affiliations. As the inaugural meeting of the Working Group, each of the attendees were acknowledged as voting members with the exception of Ms. Haasz from IEEE-SA Staff, who was an observer.

First Name	Last Name	Affiliation	Member Type
Clint	Carne	Schneider Electric	Voting Member
Doug	Edwards	Siemens Industry, Inc.	Voting Member
Keith	Flowers	Siemens Industry, Inc.	Chair
Marc	Foster	Schneider Electric	Voting Member
Lou	Grahor	Eaton Corporation	Voting Member
Jodi	Haasz	IEEE	Observer
Terry	Hunt	Westinghouse	Voting Member
Jeff	Mizener	Siemens Industry, Inc.	Voting Member
Darryl	Moser	ABB	Voting Member
Bryan	Tatum	Underwriters Laboratories	Voting Member
Danish	Zia	Underwriters Laboratories	Voting Member

**D. Chair’s Remarks**

IEEE Std 316 was last revised in 1971 and has been withdrawn by IEEE. However, it was noted that there is an industry need for a standard covering dc instrument shunts and several IEEE PES Switchgear Committee standards normatively reference dc instrument shunts.

**E. Rules and guidelines for conducting working group meetings**

The IEEE Patent Policy and Business Conduct policies were reviewed. No patent declarations were made at this time or during the course of the meeting.

## F. Individual method working group P&Ps

The Working Group was reminded that we will adhere to the Switchgear Committee's Policies and Procedures for Individual Method Working Groups will be adhered to during the course of this project. A copy of these procedures can be found at:

[https://ewh.ieee.org/soc/pes/switchgear/O-and-P/2024\\_Switchgear\\_Committee\\_WG\\_PnP\\_Individual\\_\(Approved\).pdf](https://ewh.ieee.org/soc/pes/switchgear/O-and-P/2024_Switchgear_Committee_WG_PnP_Individual_(Approved).pdf)

## G. Draft PAR review

The Working Group determined that the current title of the document is appropriate and does not require modification.

IEEE Std 316, Standard for Requirements for Direct Current Instrument Shunts

The Working Group modified the scope of the 1971 edition for clarity to:

### 1.1 Scope

This standard applies to shunts for measuring current in direct current circuits.

This standard may apply with suitable exceptions to shunts constructed for special requirements; for example, those having unusually high or low current ratings or voltage drops, special or unusual ranges, and nonstandard terminal arrangements for special applications.

This standard does not apply to the following:

- a) Shunts for special military applications
- b) Internal shunts used as a part of a self-contained ammeter
- c) Shunts for use as standards or for high precision measurements
- d) General purpose shunts of lower accuracy than specified, to be used where required indications are only approximate

The 1971 edition did not include a Purpose statement. The Working Group recommended the following Purpose statement:

### 1.2 Purpose

The purpose of this document is to:

- a) Establish minimum functional requirements
  - b) Provide preferred ratings
  - c) Provide application recommendations
- Doug Edwards made a motion to request permission from LVSD to submit a PAR request to IEEE-SA based on this Title, Scope, and Purpose statements.
  - Motion was seconded by Clint Carne.
  - No discussion followed and the motion was approved by unanimous consent.

**H. IEEE Std 316 overview and technical discussion**

For the balance of the meeting, the Working Group reviewed the balance of the 1971 edition recommending changes. These changes are reflected in Draft 2, which will be circulated to the participants.

**I. Next steps discussion**

The PAR request will be made to the IEEE PES Switchgear Committee Low-Voltage Switchgear Devices Responsible Subcommittee. Provided that the PAR request is approved, the Chair will submit the PAR to IEEE-SA.

Additionally, contingent on the PAR submittal approval, the Chair will initiate a poll to determine the next meeting.

**J. Adjourn**

Completing the agenda, the meeting adjourned at 3:15 PM.

Meeting Minutes submitted by:

Keith Flowers  
Chair  
October 14, 2024