

**IEEE PC37.015 Working Group**  
**Meeting Minutes**  
**Thursday, October 9<sup>th</sup> 2025, 8:00-9:45AM**  
*Meeting Minutes Recorded by: Luke Collette, WG Secretary*

**1. Call to Order**

The meeting was called to order at 8:00AM by the Working Group Chair, Mike Crawford.

**2. Establishment of Quorum**

**3. Roll call and Disclosure of Affiliation**

Attendees present stated their name and affiliation. Quorum confirmed. A list of attendees (name, affiliation, and voting status) is attached. 57 in attendance (24 of 40 members).

**4. IEEE SA Patent Policy: Call for Patents**

The call for patents was issued; **none raised**.

**5. IEEE SA Copyright Policy/IEEE Participant Behavior**

The IEEE SA Copyright Policy slides and the Participant Behavior slides were distributed to participants prior to the meeting via iMeet. Participants were asked if anyone had not seen the slides and no one responded

**6. Approval of the Agenda**

***Motion to approve the meeting agenda.*** (Mover: Carl Schuetz; Second: Andy Keels)

The agenda was unanimously approved as presented without objection.

**7. Approval of meeting minutes**

***Motion to approve the minutes from Spring 2025 working group meeting.*** (Mover: Andy Keels; Second: Marcus Young) The Spring 2025 meeting minutes were unanimously approved without objection.

***Motion to approve the minutes from Virtual 2025 working group meeting.*** (Mover: Craig Polchinski; Second: Marcus Young) The Virtual 2025 meeting minutes were unanimously approved without objection.

**8. Technical Presentations or Discussions**

WG Secretary presented the latest draft of the document (D3), and the following were the discussion items:

### 3.3 Shunt reactor load current

- Proposed wording was reviewed and no objections were made.

#### 4.2.5.5 Delayed current zeros

- Comment was made that for the case with a circuit breaker added to trip the line section before the reactor, this could be a concern for secondary arc extinction for cases where a neutral reactor is installed. Consensus was to remove "line or" from the statement "For the case with a shunt reactor compensated line or cable..."
- Another comment was to add a circuit breaker to the shunt reactor in Figure 4a since this is a more common application.

#### 4.4.4.2 Bypass switch across neutral reactor

- Comment was made to replace "Bypass breaker" with "Bypass device"
- Change "more reliable approach" to "more preferable approach"

### 5 Limitation of overvoltages

- Comment was made regarding the use of surge arresters across the shunt reactor rather than line-to-ground (e.g., tertiary reactors). Proposal to change "Surge arresters applied line-to-ground" to "Surge arresters applied line-to-ground or across the reactor"

### Annex B Shunt reactor characteristics

- Comment was made to change rated voltages to appropriate values (e.g., change 500 kV to 550 kV).
- Modifications are to be made to this section to factor in the use of air-core shunt reactors at voltages greater than 161 kV. Dave Caverly volunteered to provide feedback.

### Annex G Guidance for TRV analysis in an electromagnetic transients program

- New section, G.4.3, was presented by Urmil Parikh.
- Figure G.13 to be revised to zoom in around first peaks.
- A comparison of the simulated TRV to the calculated TRV to be included.
- Example range for values in G.9 and G.10 to be included if possible.
- Add a figure of the circuit to the beginning of the section, similar to the other sections.
- Urmil Parikh volunteered to provide updates to this section based on feedback during the meeting.

## 9. Future Working Group Meetings

Virtual meeting to be scheduled for the winter

## 10. Adjourn

WG Chair adjourned the meeting at 9:30AM

**IEEE PES Switchgear Committee  
HVCB C37.015 - Meeting Roster**

**Place / Date of meeting:** Peppermill Resort, Reno, NV - 10/9/25

| Initial to denote attendance | Last name    | First name | Company name                            | Role              | Request Membership |
|------------------------------|--------------|------------|---|-------------------|--------------------|
| X                            | Aristizabal  | Mauricio   | Hitachi Energy                          | Non-Voting Member |                    |
| X                            | Benedict     | Dan        | PPL                                     | Voting Member     |                    |
| X                            | Bornuat      | Albane     | GE Vernova                              | Non-Voting Member |                    |
| X                            | Bronsveld    | Arjan      | Hitachi Energy Sweden                   | Voting Member     |                    |
| X                            | Brooks       | Adam       | Duke Energy                             | Non-Voting Member |                    |
| X                            | Bufi         | Arben      | Meiden America Switchgear               | Voting Member     |                    |
| X                            | Byreddy      | Sudarshan  | Burns & McDonnell                       | Voting Member     |                    |
| X                            | Caverly      | Dave       | Trench Group                            | Non-Member        |                    |
| X                            | Chovanec     | Andrew     | Power Grid Components                   | Voting Member     |                    |
| X                            | Christian    | Michael    | ABB                                     | Voting Member     |                    |
| X                            | Collette     | Lucas      | Duquesne Light Co.                      | Secretary         |                    |
| X                            | Crawford     | Mike       | Mitsubishi Electric Power Products, Inc | Chair             |                    |
| X                            | Cunningham   | Jason      | Power Grid Components                   | Voting Member     |                    |
| X                            | Cuppett      | Matthew    | Hitachi Energy                          | Voting Member     |                    |
| X                            | Dunn         | Chris      | Dominion Energy                         | Non-Voting Member |                    |
| X                            | Hermosillo   | Victor     | GE Grid Solutions                       | Voting Member     |                    |
| X                            | Jarnigan     | Chris      | Southern Company                        | Non-Voting Member |                    |
| X                            | Keels        | Andy       | kEElectric Engineering PLLC             | Voting Member     |                    |
| X                            | Kurinko      | Carl       | Hitachi Energy                          | Voting Member     |                    |
| X                            | Lakshminaray | Ramaprasad | Doble Engineering                       | Non-Voting Member |                    |
| X                            | Lopez        | Leo        | Hyundai Electric                        | Non-Voting Member |                    |
| X                            | Marshall     | Vincent    | Southern Company                        | Voting Member     |                    |
| X                            | McCord       | Neil       | KEC Precision                           | Non-Voting Member |                    |
| X                            | Meekins      | Gary       | Southern States                         | Voting Member     |                    |
| X                            | Natale       | Anthony    | HICO America                            | Non-Voting Member |                    |
| X                            | Parikh       | Urmil      | Hitachi Energy                          | Voting Member     |                    |
| X                            | Polchinski   | Craig      | Mitsubishi Electric Power Products, Inc | Voting Member     |                    |
| X                            | Rebovich     | Justin     | GE Grid Solutions                       | Non-Voting Member |                    |
| X                            | Schiffbauer  | Dan        | Toshiba International Corp              | Voting Member     |                    |
| X                            | Schuetz      | Carl       | SPEC LLC                                | Voting Member     |                    |
| X                            | Sharma       | Devki      | Retired                                 | Non-Voting Member |                    |
| X                            | Shetty       | Sanket     | Oncor                                   | Voting Member     |                    |
| X                            | Skidmore     | Michael    | AEP                                     | Voting Member     |                    |
| X                            | Steigerwalt  | Don        | Duke Energy                             | Non-Voting Member |                    |
| X                            | Tarleton     | John       | Southern States                         | Voting Member     |                    |
| X                            | Vittoz       | Marc       | GE Vernova                              | Non-Voting Member |                    |
| X                            | Weisker      | Jan        | Siemens Energy                          | Voting Member     |                    |
| X                            | Wolfe        | Dan        | Pennsylvania Switchgear                 | Non-Voting Member |                    |
| X                            | Young        | Marcus     | Mitsubishi Electric Power Products, Inc | Voting Member     |                    |
| X                            | Zaharko      | Sam        | Mitsubishi Electric Power Products, Inc | Non-Voting Member |                    |
| X                            | Blackman     | Cole       | Southern Company                        | Non-Member        |                    |
| X                            | Mgunda       | McPharlen  | HICO America                            | Non-Member        |                    |
| X                            | Krause       | Dwight     | Black & Veatch                          | Non-Member        |                    |
| X                            | Ricciuti     | Tony       | Eaton                                   | Non-Member        |                    |
| X                            | Terry        | Timothy    | Meiden America Switchgear               | Non-Member        |                    |
| X                            | Blackmore    | Joseph     | Meiden America Switchgear               | Non-Member        |                    |
| X                            | Rahmatian    | Farnoosh   | NuGrid Power                            | Non-Member        |                    |

**Place / Date of meeting:** Peppermill Resort, Reno, NV - 10/9/25

[illegible]