

*Minutes for HVDC Switches  
April 11, 2022  
Spring 2020 Meeting - Orlando*

- The working group met for one session on April 11<sup>th</sup>.
- 20 participants were in attendance. See the attached attendance roster.
- Attendees introduced themselves and stated their affiliations.
- WG Chair Bill Hurst reviewed the Patent and SA Copyright slides with working group.
  - No participants stated any patent conflicts with the WG.
- WG Chair Bill Hurst shared slides from the PC37.01 HVDC Circuit Breaker meeting.
  - Steven Chen, member, gave an update on the PC37.01 HVDC Circuit Breaker working group progress
  - Steven Chen, member, gave an update on the IEC HVDC documents status
    - IEC TS62271-5, TS62271-313, IEC TS62271-314, IEC TS62271-315, and IEC TS62271-316 are going to split the voltage scope into medium (1.5kV up to 100kV) and high (100-800kV). The high voltage will be the focus for the initial release and medium voltage will be covered later. Split was made
    - The scheduled completion for all IEC documents is in 2023
- WG Chair Bill Hurst shared draft document with working group and reviewed progress.
  - Draft document follows the same format as C37.30.1
  - Sections 4-7 primarily discussed and reviewed.
- Action Items for Fall 2022 meeting discussed.
- Meeting adjourned at 5:30 pm on April 11<sup>th</sup>.

Action Items for the Spring 2022 Meeting:

- WG Chair to provide working group with draft document for review.
- WG Chair to work with IEEE SA liaison to collect remaining reference documents.
  - IEC 60633: HVDC Transmission – Vocabulary
  - IEC 60038: IEC Standard Voltages
  - IEC 60071-1: Insulation Coordination – Part 1: Definitions, principles & rules
  - IEC 60071-5: Part 5: Procedures for HVDC converter stations
- Steven Chen to keep WG Chair informed of progress within PC37.01, specifically with voltage class ratings.
- WG Chair to schedule a follow-up virtual meeting for WG to continue working on the draft document.

Laura Reid  
WG Vice Chair

WG PC37.30.7 S22 Attendance

| <b>Last Name</b> | <b>First Name</b> | <b>Company</b>              | <b>Role</b> | <b>4/11/2022</b> |
|------------------|-------------------|-----------------------------|-------------|------------------|
| Barber           | Gordon            | Hubbell Power Systems       | Guest       | X                |
| Blake            | Jacob             | Hubbell Power Systems       | Member      | X                |
| Boles            | Brett             | Southern Company            | Member      | X                |
| Bisewski         | Bruno             | RBJ Engineering, Corp.      | Member      |                  |
| Chen             | Steven            | Eaton                       | Member      | X                |
| Chhabra          | Mohit             | S&C Electric                | Guest       | X                |
| Cook             | Tim               | Pascor Atlantic             | Guest       | X                |
| Diallo           | Boubacar          | Southern States LLC         | Guest       | X                |
| Ekpoudom         | Assian (Chris)    | Southern States LLC         | Guest       | X                |
| Flemming         | Brennen           | Hubbell Power Systems       | Guest       | X                |
| Guzman           | Francisco         | Southern California Edison  | Guest       |                  |
| Harley           | John              | FirstPower Group LLC        | Guest       |                  |
| Hoss             | Danny             | Southern States LLC         | Member      | X                |
| Houston          | Jim               | Southern Company            | Member      |                  |
| Hu               | Jingxuan (Joanne) | RBJ Engineering, Corp.      | Guest       |                  |
| Hurst            | Bill              | GE Renewables               | Chair       | X                |
| Jasinski         | Joe               | ITC Holdings Corp           | Guest       |                  |
| Johnson          | David             | HVCB                        | Guest       |                  |
| Kaminski         | John              | Siemens Industry            | Member      | X                |
| Kinner           | Robert            | FirstPower Group LLC        | Guest       |                  |
| Kowalik          | Pete              | Cleveland/Price Inc.        | Guest       | X                |
| Mapp             | Peter             | GE Renewables               | Guest       |                  |
| Moore            | Jeremy            | Pascor Atlantic             | Guest       |                  |
| Morton           | Christopher       | Powertech Labs Inc.         | Guest       |                  |
| Reid             | Laura             | Hubbell Power Systems       | Vice Chair  | X                |
| Reigart          | Carl              | CDR Technical Services LLC  | Member      | X                |
| Ross             | Rob               | Cleveland/Price Inc.        | Guest       | X                |
| Stella           | Eros              | GE Renewables               | Guest       |                  |
| Thompson         | Truett            | Siemens                     | Guest       | X                |
| Usner            | Joseph            | AEP                         | Guest       | X                |
| Voyles           | Adam              | Ameren                      | Guest       | X                |
| Yu               | Li                | Eaton                       | Guest       |                  |
| Zia              | Danish            | Underwriters Laboratory LLC | Member      |                  |
| Zhang            | Wei               | Southern Company            | Guest       | X                |