

Chair: John Webb

Secretary: Marcus Young

Meeting Schedule: 10:00am – 12:00pm

Quorum: Quorum reached (33 of 50 voting members present)

Minutes:

- Introductions of members and guests with affiliations given in chat box. A quorum was present.
- Review of Patent Slides and call for essential Patent Claims: None
- Review of IEEE Copyright Policy slides: No copyright issues
- Chair reviewed requirements to gain and maintain voting membership.
- Chair reminded attendees that the WG uses iMeetCentral as document repository. Attendees must request access from the Chair or Secretary.
- Approval of agenda
  - Motion made by Michael Christian and 2<sup>nd</sup> by Terry Woodyard.
  - Approved by acclamation.
- Approval of Meeting Minutes from F23 WG meeting
  - Motioned by: Anthony Ricciuti, 2<sup>nd</sup> by: Arben Bufi
  - Approved by acclamation.
- Chair remarks on PAR items: Chair provided an overview of PAR items. Draft expected to go to ballot in Spring of 2024.
- Agenda Items:
  - Achieve a resolution regarding Capacitive Switching rating 'C0'.
    - WG agreed with text of draft that all capacitive switching ratings are optional.
    - WG agreed with text of draft that C0 cannot be assigned without a test.
    - WG agreed with test of draft that without testing 'none' and 0 amperes be assigned on circuit breaker nameplate.
    - It was discussed without WG action that WG C37.010 may expand upon the limitations of Class C0 testing in ensuring against multiple restrikes.
  - Regarding PAR item on declaring a rated interrupting time for both 50 Hz and 60 Hz where testing was only conducted at a single frequency (as permitted by C37.09), the WG agreed that the issue was not urgent and need not be addressed in C37.04a. Therefore the draft amendment text, which makes no changes to the existing text of C37.04 on this topic was accepted.
  - Stored Energy System Recharging Time Requirements
    - WG accepted the revised table 25 in the draft amendment which presented the information from C37.04-1999, but reformatted for clarity. Also a note was added to explain the basis for the minimum requirement of a 15 s (or less) stored energy recharge time.

- WG accepted the draft amendment text which changed 7.17.2 reference to table 29 (bushing terminal threads) to 'preferred values' from mandatory values and flat terminal dimension in 7.17.3 to be in accordance with NEMA CC 1-2018 to only be mandatory for circuit breakers intended to be applied within North America.
- WG confirmed the draft amendment text which relocated all bushing CT requirements from [normative] Clause 9 to new informative Annex G.
- WG confirmed draft amendment text which deleted all of clause 9, which included the deletion of 9.4 on undervoltage devices and 9.5 "Specialized Applications"
- Review of amendment PAR items and draft text for each
  - Chair reviewed status of the PAR items based on comments from the F'23 WG meeting.
- Next Steps
  - Next meeting: S'24 switchgear meeting in Ft. Lauderdale, FL, 31 March – 4 April.
  - Chair proposed circulating an electronic ballot for permission to move the draft amendment to IEEE SA Ballot.
    - Chair will circulate draft 1.0 since no further changes are required at this time.
    - Chair requested motion to submit draft to MEC
      - Jeff Ward motioned, 2<sup>nd</sup> by Micheal Christian
      - Approved by acclimation.
    - Chair requested motion to form a ballot group
      - Arben Bufi motioned, 2<sup>nd</sup> by Andreas Bartels
      - Approved by acclimation.
- The agenda being complete, the chair adjourned the meeting at 11:18 am.

Reported by Marcus Young, Secretary

Attachment: WG Meeting Attendance and Affiliations

Role	Full Name	Company Name	City	State	4/12/2022	8/24/2022	10/18/2022	4/18/2023	10/10/2023	1/30/2024
Chair	John Webb	ABB	Pawleys Island	South Carolina	X	X	X	X	X	X
Secretary	Marcus Young	Mitsubishi Electric	Knoxville	Tennessee	X	X	X	X	X	X
VM	Mauricio Aristizabal	Hitachi Energy	Pittsburgh	Pennsylvania				X	X	X
VM	Koustubh Ashtekar	JST POWER EQUIPMENT	Lake Mary	Florida			X	X	X	
VM	Ganesh Balasubramanian	Eaton						X		X
VM	Alexander Bartels	Powell Industries						X	X	X
VM	George Becker	Power Engineers Inc.	Clover	South Carolina				X	X	X
VM	Dan Benedict	PPH							X	X
VM	Adam Brooks	Duke Energy	Cincinnati	Ohio					X	X
VM	Craig Bryant	Duke Energy	Greensboro	North Carolina				X	X	X
VM	Arben Bufi	Meiden America Switchgear, Inc.	Peachtree	Georgia	X	X	X	X	X	X
VM	Stephen Cary	2 Phase Power	Ligonier	Pennsylvania	X	X		X	X	X
VM	Steven Chen	Eaton Corporation	Moon Township	Pennsylvania	X	X	X	X	X	X
VM	Andrew Chovanec	Power Grid Components	Chicago	Illinois	X	X	X	X	X	X
VM	Michael Christian	ABB	Elon	North Carolina	X	X	X	X	X	X
VM	Lucas Collette	Duquesne Light Co.	Beaver Falls	Pennsylvania	X	X	X	X	X	X
VM	Sergio Flores	Schneider Electric US, Inc.	Smyrna	Tennessee	X	X	X	X	X	X
VM	Robert Hanna	JST Power Equipment	Enterprise	Florida	X	X	X		X	X
VM	Jeremy Hensberger	Mitsubishi Electric	Gibsonia	Pennsylvania	X	X	X	X	X	X
VM	Victor Hermsillo	General Electric					X		X	
VM	Todd Irwin	GE Grid Solutions	Smithville	Missouri	X	X	X	X	X	
VM	Christopher Jamigan	Southern Company Services	Moody	Alabama	X	X	X	X	X	X
VM	Thomas Keels	kEElectric Engineering, PLLC	Mesa	Arizona	X		X		X	X
VM	Carl Kurinko	Hitachi Energy	North	Pennsylvania	X		X		X	X
VM	Brad Leccia	Eaton	Bethel Park	Pennsylvania				X	X	X
VM	Chang Hoon Lee	HYOSUNG	Changwon-Si	Seoul	X	X	X	X	X	
VM	Yong Woo Lee	KERI							X	X
VM	Adrian Lopez	Powell Industries	Houston	Texas			X			X
VM	Chunming Ma	Burns and McConnell								X
VM	Vincent Marshall	Southern Company	Forest Park	Georgia	X		X	X	X	X
VM	Steven May	Southern Company	Forest Park	GA				X	X	X
VM	Neil McCord	KEC Precision LLC	Athens	Georgia	X		X	X	X	X
VM	Fernando Ordein	Dominion Energy	Glen Allen	Virginia					X	X
VM	Sumitabha Pal	Schneider Electric	Smyrna	Tennessee	X	X	X	X	X	X
VM	Lalit Patil	Eaton							X	X
VM	Craig Polchinski	Mitsubishi Electric Power	Pittsburgh	Pennsylvania	X	X			X	X
VM	Anthony Ponders	Meiden America Switchgear, Inc.							X	X
VM	Aaron Rexroad	Meiden America Switchgear, Inc.	Mauldin	South Carolina					X	X
VM	Anthony Ricciuti	EATON	Bethel Park	Pennsylvania	X		X	X	X	X
VM	Leonel Santos	Schneider Electric	Murfreesboro	Tennessee	X	X		X	X	X
VM	Victor Savulyak	KEMA	Chalfont	Pennsylvania	X		X			X
VM	Daniel Schiffbauer	Toshiba International Corporation	Houston	Texas	X		X	X	X	
VM	Carl Schuetz	ATC	Waukesha	Wisconsin	X	X	X	X	X	X
VM	Jeffrey Scott	Ameren	Bonne Terre	Missouri	X		X	X	X	
VM	Michael Skidmore	AEP	Pickerington	Ohio	X	X	X	X		
VM	Donald Steigerwalt	Duke Energy	Harrisburg	North Carolina	X		X	X	X	X
VM	Vernon Touts	Siemens Energy Inc	Brandon	Mississippi	X	X	X	X	X	
VM	Jeff Ward	Doble Engineering Company	Billerica	Massachusetts	X	X	X	X	X	X
VM	Casey Weeks	Siemens Energy, Inc.	Richland	Mississippi	X		X	X	X	
VM	Jan Weisker	Siemens Energy	Berlin	Berlin	X		X	X	X	X
VM	Matt Westerdale	Bureau of Reclamation							X	X
VM	Terry Woodyard	Siemens Industry, Inc.	Wendell	North Carolina	X	X	X	X	X	X
VM	Richard York	Mitsubishi Electric	Pittsburgh	Pennsylvania	X		X	X	X	
VM	Mina Youssef	Eaton					X		X	
VM	Samuel Zaharko	Mitsubishi Electric	Warrendale	Pennsylvania	X	X	X	X		
NVM	Anatoly Akhunov	HICO America						X	X	
NVM	Samuel Andris	KEMA Labs	Doylestown	Pennsylvania				X	X	
NVM	Jesus-Manuel Avila	ABB								X
NVM	Harm Bannink	G&W Electric	Zelhem	Gelderland	X	X	X	X	X	X



Role	Full Name	Company Name	City	State	4/12/2022	8/24/2022	10/18/2022	4/18/2023	10/10/2023	1/30/2024
NVM	Devki Sharma	Retired	Halifax	Nova Scotia	X			X		X
NVM	Hall Sigmon	Siemens Industry, Inc.	#REF!	#REF!				X		
NVM	Kirk Smith	Retired					X			
NVM	Lokesh Solanki	ABB					X			
NVM	John Tarleton	Southern States, LLC							X	P
NVM	Tim Tillery	HOWARD INDUSTRIES	Laurel	Mississippi	X			X		
NVM	Joseph Usner	AEP	Columbus	Ohio	X	X	X	X		
NVM	Jacob Walgenbach	Siemens	Wendell	North Carolina			X	X		
NVM	Daniel Wolfe	Mitsubishi Electric	Warrendale	Pennsylvania			X	X	X	
NVM	Xin Zhou	Eaton					X			