

**IEEE C37.100.1 Working Group
Meeting Minutes
Web Meeting (Charlotte, NC Canceled)
April 21, 2021**

1. Welcome

The meeting was called to order by Chairman John Webb, by the Chairman at 10:17 AM CT. The Chairman welcomed everyone both guest and working group members.

2. Introduction of members and guests

Introductions were made by everyone in attendance including name and affiliation. 26 of 32 working group members and 45 guests were in attendance. Quorum was met.

3. IEEE-SA Patent Policy

The Chairman presented the IEEE-SA patent policy & copyright slides to the group. The policy was reviewed and acknowledged during the meeting. No claims were raised this meeting.

4. Approval of meeting agenda and previous meeting minutes

Meeting agenda was unchanged from that distributed prior to the meeting. No requests for additions. Tony Ricciuti motioned, and Karla Trost seconded the motion to approve the meeting minutes from the Fall, 2020 meeting minutes shared on the screen.

5. Discussion Topics

- iMeetCentral to be Project Repository & Coordination
Members and guests were reminded to ensure their participation in the IEEE iMeetCentral system was active. [<https://ieeesa.centraldesktop.com>]
- Altitude Correction Factor (Figure 1 IEEE C37.100.1 has been removed from IEC 62271-1 because IEC recently changed the method for altitude correction factors back to the historical IEEE values. C37.100.1-2007 had adopted the (previous) IEC methodology. WG needs to decide which method to follow:
 - Task force formed to review and evaluate
 - Ian Rokser (lead)
 - Bill Bergman
 - Carl Reigart
- Figure 2 of IEC 62271:2017 (Delectric Test)
 - Retain, may need to be modified to avoid copyright
- Figure 3 of IEC 62271:2017 (VI x-Ray Test)
 - Historically from ANSI C37.85, retain
- Figure E.1 – Determination of Short time current
 - In both documents should be retained
- Figure F.1 & F.2 -- Weather proofing: Task Force Report from D. Gohill.
 - Although slight differences now exist with IEEE C37.20.2 in practice interchangeable.
 - Figures and procedures from existing C37.100.1 should be retained, with copyright clearance from IEC.

- Figures G.1 & G.2 – Gas Tightness coordination & Leak Detection
 - Task forces formed to review and evaluate
 - Ryan Stone (lead)
 - Raul Jain
 - Karla Trost
 - Jeremy Henberger
- Rated Voltage and insulation tables
 - Keep US versions in the document 1B and 2B
- Peak Factors for momentary currents
 - IEC 62271-1 includes multiple time constants and both 50 Hz and 60 Hz factors
 - Reformat table to avoid copyright, only necessary to include time constants in use in existing IEEE standards (to be determined)
- Gas Leakage Rate
 - Requires further study, not necessary to mimic IEC, rather ensure current North American practices and regulations.
- Table 8 in IEC 62271-1: Auxiliary contact classes. Work is under consideration also in IEEE C37.04 Amendment, but if included will likely also include higher values than currently existing in IEC 62271-1.
- Testing and Tolerances
 - Task forces formed to review and evaluate
 - Frank DeCesaro (lead)
 - Carl Reigart
 - John Webb
- It was observed that although this document only considers alternating current equipment that is not reflected in the title. Title should be changed to reflect this although requires PAR modification. It is possible that other PAR modifications may be required so submission of PAR revision will be held for later.
- Working Group Membership Request
 - Leccia, Brad R
 - Chris Ambrose
 - Lanning, Scott
 - Dan T Busilan
 - Christopher K Jarnigan
 - Voyles, Adam
 - Andy Keels
 - Neil Hutchins

6. Next steps

The next meeting will be at the Fall 2021 meeting in Reno, NV. Chair advised task force leaders that meetings of their task force groups were at their discretion.

7. Adjourn

Pat Di Lillo motioned and Carl Reigart 2nd to adjourn. The meeting was adjourned by the Chairman at 11:59 CT.

Reported by Russell Boyce, secretary of C37.100.1 Working Group

Role	Full Name	City	State	5/6/2020	10/7/2020	4/21/2021
Chair	John Webb	Pawleys Island	SC	X	X	X
Secretary	Russell Boyce	Greenwood	SC	X	X	X
Member	Paul Barnhart	Walkertown	NC	X		
Member	Bill Bergman	Calgary	AB		X	X
Member	Anne Bosma	Ludvika	Other	X	X	
Member	Eldridge Byron	Smyrna	TN	X		
Member	Randy Creach	Holts Summit	MO	X	X	X
Member	Frank DeCesaro	Racine	WI	X	X	X
Member	Federico Di Michele	Milano	Other	X	X	
Member	Sergio Flores	SMYRNA	TN	X	X	
Member	Paul Gingrich	Fulton	MO	X		
Member	Dave Gohil	Venice	FL	X	X	X
Member	Jack Harley	Twinsburg OH 44087	OH	X	X	X
Member	Ron Hartzel	Moon Township	PA	X		
Member	Bill Hurst	Charleroi	PA	X	X	X
Member	Rahul Jain	Chicago	IL	X	X	X
Member	John Kaminski	Mount Prospect	IL	X	X	X
Member	Amir Khosravi	Burnaby	BC	X		X
Member	Neil McCord	Athens	GA	X	X	
Member	Pete Meyer	Chicago	IL	X	X	X
Member	Carl Reigart	Leeds	AL	X	X	X
Member	Tony Ricciuti	Moon Township	PA	X	X	X
Member	Ian Rokser	South Milwaukee	WI	X	X	X
Member	Garett Sims	Greenwood	SC	X		
Member	Ryan Stone	Warrendale	PA	X		X
Member	Karla Trost	Bolingbrook	IL	X	X	X
Member	Jim van de Ligt	Calgary	AB	X	X	X
Member	Matt Westerdale	Denver	CO	X	X	X
Member	Torsten Wirz	Ratingen	Other	X	X	X
Member	Terry Woodyard	Wendell	NC	X		X
Member	Xi Zhu	Atlanta	GA	X	X	X
Member	Danish Zia	Melville	NY	X		
Guest	Chris Ambrose	Bristol	TN	X	X	X
Guest	Mauricio Aristizabal	Pittsburgh	PA	X	X	X
Guest	Roy Ayers	Nashville	TN		X	
Guest	Hank Ballard	Birmingham	AL		X	
Guest	Stan Billings Billings	Murrysville	PA		X	
Guest	Wally Binder	New Castle	PA		X	
Guest	Antone Bonner	Oconomowoc	WI			
Guest	Steve Brown	Bartlett	TN		X	
Guest	Arben Bufi	Gray Court	SC	X	X	
Guest	Ted Burse	Houston	TX	X		
Guest	Dan Busilan Busilan	Richmond	VA		X	X

Role	Full Name	City	State	5/6/2020	10/7/2020	4/21/2021
Guest	Stephen Cary	Mebane	NC			X
Guest	Steven Chen	MOON TOWNSHIP	PA	X	X	X
Guest	Andy Chovanec	Charleroi	PA	X	X	X
Guest	Luke Collette	Pittsburgh	PA	X	X	X
Guest	Tim Cook	Bland	VA	X	X	X
Guest	Chuck Corley	Greenwood	SC		X	
Guest	Mike Crawford	Cranberry Twp	PA	X		
Guest	Jason Cunningham	Suwanee	GA		X	
Guest	Pat Di Lillo	New York	NY		X	X
Guest	Jeff Door	High Ridge	MO	X		
Guest	Louis Doucet	Saint-Augustin-de-De	QC		X	X
Guest	Doug Edwards	Wendell	NC	X		
Guest	Chris Ekpoudom	Hampton	GA			X
Guest	Bruce Fennell	Nashville	TN		X	
Guest	Philip Fentress	Memphis	TN		X	
Guest	Curtiss Frazier	St. Louis	MO	X		X
Guest	Chris French	Greenwood	SC	X		X
Guest	Brian Gerzeny	North Canton	OH	X		
Guest	Ilya Glinsky	westminster	CA	X		
Guest	Lou Grahor	Moon Township	PA	X		
Guest	John Hall	Chattanooga	TN	X	X	
Guest	Chris Hastreiter	South Milwaukee	WI	X		X
Guest	Gary Haynes	Elon	NC	X		
Guest	Jeremy Hensberger	Warrendale	PA	X	X	X
Guest	Victor Hermosillo	Charleroi	PA	X	X	X
Guest	Neil Hutchins Hutchins	Forest Park	GA	X	X	X
Guest	Todd Irwin	Smithville	MO	X	X	X
Guest	Chris Jarnigan	Birmingham	AL		X	X
Guest	Andy Keels	Mesa	AZ			X
Guest	John Kelly	Denver	CO	X		
Guest	Chad Kennedy	Hopkins	SC	X		
Guest	Brendan Kirkpatrick	Westminster	CA		X	X
Guest	Carl Kurinko	North Huntingdon	PA		X	
Guest	Monique La Terreur	Quebec	QC		X	
Guest	Scott Lanning	Libertyville	IL	X		X
Guest	Brad Leccia	Moon Township	PA		X	X
Guest	Art Leifson	Durham	NC			X
Guest	Wang-Pei Li	Horseheads	NY	X		X
Guest	Jane Ling Ling	Chareleroi	PA	X	X	X
Guest	Hua Liu	Pomona	CA			X
Guest	Alex Lizardo	Plymouth	MN	X		X
Guest	Abraham Martinez	San Luis Potosi	Other			X
Guest	Steve May	Forest Park	GA		X	X

Role	Full Name	City	State	5/6/2020	10/7/2020	4/21/2021
Guest	Jeremy Moore	Bland	VA	X	X	X
Guest	Ashley Moran Moran	Piscataway	NJ	X		
Guest	Chris Morton	Surrey	Other	X		
Guest	Terry Neighbours	Lake Helen	FL	X		
Guest	Joe Nims	Nashville	TN	X		
Guest	Pavel Novak	Regensburg	Other			X
Guest	Andrew Peterson Peterson	Sanford	FL	X	X	X
Guest	John Phouminh	WASHINGTON	DC		X	X
Guest	Paul Rakus	Coraopolis	PA	X		
Guest	Laura Reid	Chelsea	AL	X		
Guest	Brian Roberts	Hampton	GA	X		
Guest	Jon Rogers	richland	MS	X	X	
Guest	Leonel Santos	Smyrna	TN		X	
Guest	Dan Schiffbauer	Oliver	PA	X	X	X
Guest	Devki Sharma	Halifax	NS	X	X	X
Guest	Sushil Shinde	Mt Pleasant	PA	X	X	X
Guest	Mike Skidmore	Pickerington	OH		X	X
Guest	Kirk Smith	Ithaca	NY	X	X	
Guest	Don Steigerwalt	Charlotte	NC	X	X	X
Guest	Paul Sullivan	Cassatt	SC	X		
Guest	Donnie Swing	Houston	TX	X	X	
Guest	Chand Tailor	Greenwood	SC	X		
Guest	John Tarleton Tarleton	Hampton	GA		X	
Guest	Jean-Marc Torres				X	
Guest	Vernon Toups	Richland	MS	X	X	
Guest	Francois Trichon	Saint martin d'uriage	Other	X	X	X
Guest	Adam Voyles	St. Louis	MO		X	X
Guest	Jeff Ward	Marlborough	MA		X	X
Guest	Jan Weisker	Berlin	Other	X		
Guest	Rich York	Pittsburgh	PA		X	
Guest	Mina Youssef Youssef	Omaha	NE	X		
Guest	Li Yu	Moon Township	PA	X		
Guest	Will Zhang	Suwanee	GA	X	X	X
Guest	Xin Zhou Zhou	Pittsburgh	PA			X
Honorary M	Denis Dufournet	Villard de Lans	Other			
Honorary M	Bill Long	Pittsburgh	PA			X