

**IEEE/PES SWITCHGEAR COMMITTEE  
ADSCOM MEETING MINUTES  
Online Meeting  
Friday, October 15, 2021  
8:00 AM – 9:30 AM (CDT – UTC-5)**

Item	Description	Presenter
1	Call Meeting to Order	Doug Edwards – Chair
<i>Called to order by the chair at 8:02AM.</i>		
2	Introduction of Members & Guests	Donnie Swing Secretary
<i>Total attendance was 66 with 16 of 19 members present. Due to high attendance and a full meeting agenda, guests were allowed to announce their presence by entering their information into the chat window.</i>		
3	Roll Call & Quorum Check	Donnie Swing - Secretary
<i>Quorum was verified at 8:08AM by a member roll call before conducting business.</i>		
4	Agenda Review and Approval	Doug Edwards
<i>Roy Alexander raised an issue with the agenda where it was discussed to add a discussion of hybrid meetings. Doug responded that the issue has a place in the main committee meeting during the Chair's report.</i>		
<i>Motion by Tom Hawkins to approve the agenda. Seconded by John Webb. No discussion or objections were raised. Approved by consent.</i>		
5	Approval of <a href="#">Spring 2021 AdsCom Minutes</a>	Doug Edwards
<i>Motion by Dan Hrnir to approve the minutes. Seconded by Travis Johnson. No discussion or objections. Approved by consent.</i>		
<b><u>Requests to ADSCOM</u></b>		
6	Education, Recognition & Publications (ERP)	Doug Edwards
<i>No requests to ADSCOM.</i>		
7	High Voltage Fuses (HVF)	James Wenzel
<i>No requests to ADSCOM.</i>		
8	High Voltage Switches (HVS)	Bill Hurst
<i>No requests to ADSCOM.</i>		
9	High Voltage Circuit Breakers (HVCB)	Victor Hermosillo
<i>Request from Eldridge Byron to establish a liaison position to interact with IEC SC17A. This would be a new position. John Webb and Bill Long have previously been tasked with the duties, but no official role has existed. Ted Burse referred to the Standards Board procedures and suggested following up with Ashley Moran. Eldridge Byron clarified that the official nomination of a liaison must come from the IEC, and that there will be a meeting within the coming weeks.</i>		
<i>No other requests.</i>		

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10	Low Voltage Switchgear Devices (LVSD)	Dan Hrcir
<i>No requests to ADSCOM.</i>		
11	Reclosers and Other Distribution Equipment (RODE)	Travis Johnson
<p><i>Travis Johnson reported that C37.66 has been submitted to RevCom but that a PAR extension request has been submitted in the unlikely event that any objections arise. Ashley Moran advised that the document was sent out for recirculation at the same time as the RevCom submittal in the hopes that no new comments will be brought about. No further action is required at this point.</i></p> <p><i>Travis reported that he reached out to the chair of C37.100.6 with a request to remove C37.74 from the their scope. He requested assistance with the formal procedure to accomplish this. Doug advised that the working group chair must submit a PAR change request.</i></p> <p><i>No other requests.</i></p>		
12	Switchgear Assemblies (SA)	Tom Hawkins
<p><i>Tom Hawkins reported that he had the same request in SA from Eldridge Byron who also volunteered to serve in the position. John Webb clarified that IEC SC17C corresponds to the SA subcommittee.</i></p> <p><i>Tom reported that the definitions task force had been working and that C37.20.10 will be up for revision soon.</i></p> <p><i>No other requests.</i></p>		
13	Technology and Innovation Subcommittee (T&I)	Nenad Uzelac
<p><i>Nenad Uzelac requested guidance on a way to execute a search or call for participation of subject matter experts to work with T&amp;I's upcoming projects. Doug advised that he will provide assistance based on his experience with SCC14 et al. Keith Flowers advised that this should be coordinated with Todd Irwin who is currently serving as the marketing representative for the Switchgear Committee.</i></p>		
14	Standards Coordinator Report	Michael Wactor
<i>REVCOM NESCOM submittal deadline is Monday 18 October. Otherwise we are in good shape.</i>		

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<b><u>Other Requests to ADSCOM</u></b>		
15	Registrar	Jeremy Hensberger
<p><i>Jeremy Hensberger asked that participants please be patient as we transition to a new registration and meeting management system. PES has signed a contract with 123signup to extend its availability to at least the end of 2021, so please continue to maintain 123signup profiles until advised otherwise. Current plan is that data will be transferred from 123signup to the new program.</i></p> <p><i>Clint Carne asked if new participants should register in 123signup, and Doug Edwards responded that they should. Karla Trost informed the group that the requisite information for new participants may not be available due to the registration method. Doug Edwards advised that he can provide contact information if he is sent a list.</i></p> <p><i>Travis Johnson asked what happens if 123signup breaks down between now and December. Keith Flowers responded that since it is now a paid service, then we shouldn't have any worries.</i></p> <p><i>Neil McCord asked if iMeetCentral could be used to extract email contact information. Ashley Moran advised that new members must be added by the workspace administrator of the iMeet project. Working group members as recognized in other IEEE websites are not automatically loaded into iMeet.</i></p>		
16	Webmaster	Jeff Mizener
<p><i>No requests to ADSCOM.</i></p>		
17	Meeting Coordinator	John Webb
<p><i>No requests to ADSCOM.</i></p>		
<b><u>ADSCOM Working Group/Task Force Reports</u></b>		
18	C37.012 Task Force: Application of Capacitance Current Switching for AC HV CB >1000 V	Roy Alexander
<p><i>Roy Alexander reported that C37.012 will be going out for ballot soon under HVCB, but that soon after that he is interested in creating a generic document under ADSCOM for capacitor switching.</i></p>		
19	C37.59: Requirements for Conversion of Power Switchgear Equipment	Doug Edwards
<p><i>Doug Edwards reported that this group is not active currently. The current revision of the document is valid until 2028, so a new working group should be formed by 2023.</i></p>		
20	C37.100.1: Common Requirements for HV Power Switchgear	John Webb
<p><i>John Webb reported that the group met and spent most of their time resolving issues. He anticipates that a new draft document should be available for review within the working group before the next official meeting in spring 2022.</i></p>		

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20	C37.100.2 PAR Study Group: Capacitor Switching Common Clauses & Application Guide	Roy Alexander
<i>Roy Alexander reported that a general revision PAR is in place through 2024. The group met and is making progress.</i>		
21	C37.100.5: Definitions of High Voltage Circuit Breakers Above 1000 Vac and 3200 Vdc, and Reclosers and Other Distribution Equipment from 1000 Vac to 38,000 Vac	Doug Edwards
<i>No meeting held. Planning placeholder for working group to form in 2023.</i>		
22	C37.100.6: Seismic Qualification of Electrical Equipment to Conform with ASCE/SEI 7 Seismic Requirements for Nonstructural Components	Eddie Wilkie
<i>Eddie Wilkie reported that the group met and worked on the document. Per a request from RODE, C37.74 will be removed from the scope via a PAR modification request. The current PAR expires in 2023, and a plan is in place to ballot by the end of 2022.</i>		
23	C37.100.7: Guide for the Evaluation of Performance Characteristics of Non-Sulfur Hexafluoride Insulation and Arc Quenching Media for Switchgear Rated Above 1000 V	Dan Schiffbauer
<i>Victor Hermosillo reported that the group met with a quorum. Several chapters were reviewed, but there is still much work to be completed before going to ballot in January 2022. Current PAR expires in December 2022.</i>		
27	C37.301: Partial Discharge Measurements	Sean Parsi
<i>Doug Edwards reported that the PAR expires at the end of this year and that an extension request has been filed. Jean-Marc Torres is currently the official chair, but a formal move to Sean Parsi is in process. Paul Gingrich is secretary. Progress on this project is needed. Call for participation and leadership.</i>		

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28	C37.302: Guide for Fault Current Limiter (FCL) Testing of FCLs Rated above 1000 V AC	Micha Steurer
<i>The current document expires in 2025. Micha Steurer requested additional participation from utilities.</i>		
30	Task Force: Aging of Lubricants	Doug Edwards
<i>Doug Edwards reported that while he has agreed to serve as secretary, he has asked Jack Harley to replace him as chair in the interest of getting the project moving. Jack reported that he is looking forward to meeting face-to-face meetings in the spring. Doug reported that T&amp;I has a similar project that deals with aging equipment.</i>		
31	Fellows Nominations Group	Doug Edwards
<i>Seeking help for nominations to IEEE Fellows.</i>		
<b><u>Liaison Reports</u></b>		
32	C37.122.2: IEEE Guide for the Application of Gas-Insulated Substations 1 kV to 52 kV	Eldridge Byron
<i>Eldridge Byron reported that the group hopes to go to ballot before JTCM and encourages anyone interested to register for participation.</i>		
33	C37.122.10: Guide for Handling Non-SF6 Gas Mixtures for HV Equipment	George Becker
<i>George Becker reported that the group has met several times since the last switchgear committee meeting. George advised that he has stepped down as chair and will be replaced by Billy Lau. Plan is to meet again at JTCM. The current PAR expires in 2023.</i>		
<i>An entity PAR has been submitted which deals with SF<sub>6</sub>/Nitrogen mixtures that crosses scope with this document. Keith Flowers has notified IEEE.</i>		
34	Task Force: Coordinate C57.16 as used in Capacitor switching applications with Switchgear	Dave Caverly
<i>Dave Caverly reported that the group did not meet in this session. The current revision of this standard expires at the end of this year, and the PAR expires in December 2022. So far the switchgear committee has only been involved in the annexes of the document which all seem complete and devoid of any further revision before balloting.</i>		
35	C57.142: Guide to Describe the Occurrence and Mitigation of Switching Transients Induced by Transformers, Switching Device, and System Interaction	Dave Caverly
<i>Dave Caverly reported that this document expired last year and was moved to Inactive-Reserved status. PAR has been extended to Dec 2023. Document is in process of going to ballot and being submitted to MEC. Dave advised that interested parties go into IEEE-SA site and click the appropriate checkbox to indicate interest in this document since it would not show up with only interest in switchgear checked.</i>		

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36	P2969: Guide for Continuous Thermal Monitoring of Switchgear and Motor Control Centers up to 52 kV – Joint Sponsorship with IAS	Mike Wactor
<p><i>Mike Wactor reported that work on this effort continues through IAS and that many switchgear committee participants are involved. The document is currently at draft 8. The group had a face-to-face meeting at PCIC. Another virtual meeting is planned for 21 October at 9 am.</i></p>		
37	SASB/SCC14, IEEE Standards Coordinating Committee 14 Quantities, Units, and Letter Symbols – Solicit PES Switchgear Volunteers	Doug Edwards
<p><i>Doug Edwards reported that this group, also known as the “metrification group”, currently consists of nine (9) members and only meets virtually. ASTM SI10 is related to this project. Doug issued a call for participation adding that this is a good place for one to begin involvement in standards work.</i></p>		
38	IEEE Standard’s Board Liaison Report	Doug Edwards
<p><i>SCC’s are currently under review to be migrated into other TCs. The standards board is in the process of implementing mandatory training for working group chairs.</i></p>		
<b><u>New Business</u></b>		
39	Quorum Verification	Donnie Swing
<p><i>Verified.</i></p>		
40	PES Council & 123Signup Replacement – Attendance	Doug Edwards
<p><i>Doug Edwards stated that 123signup use is encouraged until told otherwise. PES Tech Council is currently entertaining bids for replacement programs, and new training will be provided next year after the decision has been made.</i></p> <p><i>Ron Hartzel asked for a process to be detailed to get new users entered into 123signup. The link to do this was removed from the site when it was announced that 123signup was going away, but the webmaster reactivated this link during discussion.</i></p> <p><i>In order to get new participants loaded into 123signup, a process was implemented:</i></p> <ol style="list-style-type: none"> <li><i>1. Subcommittee chairs request email contact information for new members from Doug Edwards.</i></li> <li><i>2. Doug extracts information from survey monkey data sheet and shares with S/C chair.</i></li> <li><i>3. Subcommittee chairs send instructional email to new members.</i></li> <li><i>4. New members register in 123signup, then send an email to S/C chairs to confirm that they have completed the process.</i></li> </ol> <p><i>Keith also notified the group that the new system will apply to the entire PES so that members can interact with all TCs with the same profile.</i></p>		
41	ANSI Process	Keith Flowers
<p><i>Historically all switchgear documents were automatically submitted to ANSI for review and name-tagging. At some point a few years ago IEEE noticed that many documents (not switchgear) were being submitted to ANSI that had no reason to be, so the process was changed so that the checkbox for ANSI submittal had to be manually selected. As a result, many documents do not currently carry the ANSI stamp. The process has been reversed to once again be automatic for switchgear documents. Any open PARS will be covered ANSI. A list of ANSI-accredited documents is being compiled.</i></p>		

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42	Main Committee (M/C) membership	Donnie Swing
<i>Soliciting new member nominations from subcommittee chairs. Bill Hurst was announced as a main committee member due to an oversight (should have already been one).</i>		
43	Items to report to Main Switchgear Committee	Doug Edwards
<i>Creation of liaison positions to SC17A&amp;C</i>		
44	Actions & Minutes	Doug Edwards
<i>Please submit minutes to Donnie Swing by 29 October 2021.</i>		
45	Adjourn	Doug Edwards
<i>Meeting adjourned at 9:30AM.</i>		

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Chair	Edwards, Doug	Siemens Industry, Inc.	Wendell	NC	X	X	X	X	
Secretary	Swing, Donald	Powell Industries	Houston	TX	X	X	X	X	X
Past Chair	Alexander, Roy	RWA Engineering	Cranberry Twp.	PA		X	X		
Past Chair	Burse, Ted	Powell Industries, Inc	Houston	TX	X	X	X	X	X
Past Chair	Edwards, Kenneth	Consultant	Ellensburg	WA	X	X			
Past Chair	Irwin, Todd	GE Grid Solutions	Smithville	MO	X	X	X	X	X
Past Chair	Long, Russell	Retired	Pittsburgh	PA		X			
Past Chair	Sigmon, Dean	Eaton Corporation	Greenwood	SC	X	X	X	X	X
Member	Flowers, Keith	Siemens Industry, Inc.	Grapevine	TX	X	X	X	X	X
Member	Hawkins, Tom	Siemens Industry, Inc.	Grand Prairie	TX	X	X	X	X	X
Member	Hensberger, Jeremy	Mitsubishi Electric Power Products Inc.	Warrendale	PA	X	X	X	X	X
Member	Hermosillo, Victor	GE Grid Solutions	Charleroi	PA	X	X	X	X	X
Member	Hrcir, Dan	Eaton	Arden	NC	X	X	X	X	X
Member	Hurst, Bill	GE	Charleroi	PA	X	X		X	X
Member	Johnson, Travis	Xcel Energy	Denver	CO			X	X	X
Member	Mizener, Jeff	Siemens Industry, Inc.	Ft. Worth	TX	X	X	X	X	X
Member	Sullivan, Paul	DuPont	Cassatt	SC	X	X	X	X	X
Member	Uzelac, Nenad	G&W Electric	Bolingbrook	IL		X	X	X	X
Member	Wactor, Michael	Powell Industries, Inc	Houston	TX	X	X	X	X	X
Member	Webb, John	ABB	Pawleys Island	SC	X	X	X	X	X
Member	Wenzel, James	Eaton	Pewaukee	WI	X	X	X	X	
Guest	Ambrose, Chris	Federal Pacific (Div. of Electro-Mechanical Corp.)	Bristol	TN	X	X	X	X	X
Guest	Aristizabal, Mauricio	Hitachi ABB Power Grids	Pittsburgh	PA			X	X	
Guest	Armstrong, Brad	Meramec Instrument Transformer Co.	Cuba	MO	X		X		
Guest	Ayers, Roy	Nashville Electric Service	Nashville	TN			X	X	
Guest	Barnhart, Paul	Underwriters Laboratories	Walkertown	NC	X	X		X	X
Guest	Becker, George	POWER Engineers Inc.	Clover	SC	X		X		X
Guest	Bosma, Anne	Hitachi Energy	Ludvika	Other					X
Guest	Bufl, Arben	Meiden America Switchgear, Inc.	Gray Court	SC		X			X
Guest	Byron, Eldridge	Schneider Electric	Smyrna	TN		X	X	X	X
Guest	Carne, Clint	Schneider Electric	Cedar Rapids	IA	X	X	X		X
Guest	Cary, Stephen	Eaton	Mebane	NC		X		X	
Guest	Caverly, David	Trench Ltd.	Scarborough	ON	X	X	X	X	X
Guest	Christian, Michael	ABB	Elon	NC	X				X
Guest	Collette, Lucas	Duquesne Light	Pittsburgh	PA			X		
Guest	Copley, Ryan	Tampa Electric	Tampa	FL		X			
Guest	DeCesaro, Frank	DeCesaro Consulting Services	Racine	WI		X	X	X	X
Guest	Delfino, Daniel	ABB	Bloomfield	CT			X	X	
Guest	Di Lillo, Patrick	Consolidated Edison Co. of NY, Inc.	New York	NY		X	X	X	X
Guest	Dullni, Edgar	retired	Ratingen	Other					X
Guest	Dunne, David	Schneider Electric	Cedar Rapids	IA	X	X			
Guest	Flores, Sergio	Schneider Electric Inc. USA	SMYRNA	TN		X	X	X	X
Guest	Found, Paul	BC Hydro	Burnaby	BC		X			
Guest	Frye, Richard	Eaton	Franksville	WI			X		



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Guest	Glinsky, Ilya	Southern California Edison	westminster	CA		X			X
Guest	Gohil, Sahadev	AZZ Switchgear Systems	Venice	FL		X	X	X	X
Guest	Grahor, Lou	Eaton Corporation	Moon Township	PA					X
Guest	Harley, John	FirstPower Group LLC	Twinsburg OH 44087	OH	X	X			X
Guest	Hartzel, Ronald	Eaton Corporation	Moon Township	PA				X	X
Guest	Hastreiter, Christopher	Eaton	South Milwaukee	WI				X	X
Guest	Haynes, Gary	ABB Inc.	Elon	NC	X			X	
Guest	Hines, Jared	Eaton Corp.	Greenwood	SC		X			
Guest	Hoss, Danny	Southern States LLC	HAMPTON	GA		X			
Guest	Hutchins, Neil	Georgia Power Company	Forest Park	GA	X				X
Guest	Jain, Rahul	S&C Electric Company	Chicago	IL				X	X
Guest	Jasinski, Joseph	ITC Holdings Corp.	Novi	MI					X
Guest	Johnson, David	HVCB	TEMECULA	CA				X	
Guest	Kaminski, John	Siemens	Mount Prospect	IL	X	X	X	X	X
Guest	Kinner, Robert	FirstPower Group LLC	Twinsburg	OH				X	
Guest	Kurinko, Carl	ABB Inc.	North Huntingdon	PA		X			
Guest	Lafond, Michael	ABB	Mebane	NC	X	X	X	X	
Guest	Leach, John	Consultant	Hickory	NC	X		X	X	X
Guest	Leccia, Brad	Eaton	Moon Township	PA					X
Guest	Leufkens, Paul	Power Projects Leufkens	Wayne	PA					X
Guest	Livshitz, Albert	CE Power Engineered Services	Mason	OH		X			
Guest	Lovins, Colby	Federal Pacific	Bristol	VA					X
Guest	Martin, Donald	G&W Electric Co.	Manhattan	IL		X			
Guest	McCord, Neil	KEC Precision	Athens	GA					X
Guest	Milnikel, Henning	Siemens	Frankfurt	Other				X	X
Guest	Mitchell, Dave	Mitch and Associates	Henrico	VA		X			X
Guest	Moran, Ashley	IEEE Standards Association (IEEE-SA)	Piscataway	NJ	X	X		X	X
Guest	Moser, Darryl	ABB	Wichita Falls	TX		X	X	X	X
Guest	Nelson, Jeffrey	Tennessee Valley Authority	Chattanooga	TN			X		
Guest	Riley, Caryn	Georgia Tech/NEETRAC	Forest Park	GA			X	X	X
Guest	Rohr, Richard	Powell Electrical Systems	North Canton	OH	X	X	X	X	X
Guest	Rokser, Ian	Eaton Corp	South Milwaukee	WI	X	X	X	X	
Guest	Santos, Leonel	Schneider Electric	Smyrna	TN			X		
Guest	Savulyak, Victor	DNV GL KEMA Laboratory	Chalfont	PA	X	X		X	
Guest	Schiffbauer, Daniel	Toshiba International Corporation	Oliver	PA		X	X	X	
Guest	Schuetz, Carl	American Transmission Company (ATC)	Waukesha	WI	X	X	X	X	X
Guest	Sharma, Devki	Entergy	Halifax	NS	X			X	X
Guest	Shinde, Sushil	Hitachi ABB Power Grids	Mt Pleasant	PA			X		
Guest	Sims, Garrett	Eaton Corp.	Greenwood	SC					X
Guest	Skidmore, Michael	AEP	Pickerington	OH	X		X	X	X
Guest	Slattery, Christopher	FirstEnergy	Fairlawn	OH		X			
Guest	Smith, Robert	Retired	Ithaca	NY		X		X	X
Guest	Soulard, Francois	Hydro-Quebec	Montreal	QC	X	X	X	X	
Guest	Steurer, Michael	Florida State University	Crawfordville	FL				X	
Guest	Thomas, Christo	SCHNEIDER ELECTRIC USA INC	CEDAR RAPIDS	IA					X
Guest	Torres, Jean-Marc					X	X		
Guest	Trichon, Francois	Schneider Electric	Saint martin d'uriage	Other	X		X		X
Guest	Trost, Karla	G&W Electric	Bolingbrook	IL	X	X	X	X	X
Guest	van de Ligt, Jim	Spark Power Corp.	Calgary	AB					X

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Guest	Ward, Jeffrey	Doble Engineering Company	Marlborough	MA	X	X	X	X	X
Guest	Westerdale, Matt	Bureau of Reclamation	Denver	CO		X	X	X	X
Guest	Wilkie, William	Eaton	Arden	NC	X	X		X	X
Guest	Wirz, Torsten	ABB AG	Ratingen	Other		X			
Guest	Woodyard, Terrance	Siemens Industry Inc.	Wendell	NC		X		X	X
Guest	Youssef, Mina	Eaton Corporation	Omaha	NE			X		X
Guest	Yu, Li	EATON	Moon Township	PA			X	X	X
Guest	Zhu, Xi	GE Energy Management	Atlanta	GA				X	
Guest	Zia, Danish	UL LLC	Melville	NY					X