

## PSCCC E0 Subcommittee Meeting Minutes (WLS-2020-033)

Designation: E0	Name: Wire Line Subcommittee (WLS) (Formerly SC6)			
Meeting Location: Virtual	Meeting Time: 13:00 (1 PM ET)	Meeting Date: 12/16/2020	Minutes Revised:	Minutes Approved: 01/20/2021
Presiding Officer: John Fuller (Chair)		Recorded by: Joe Boyles (Secretary)		
Attendance:				
Name		Affiliation		Attending via Phone (P) / Web (W) or Local (L) M/CM/G
Dan Ashton	Lumen	W	M	
Ben Bloom	SNC	W	M	
Joe Boyles	Boyles Electronics, Inc.	W	M	
Jean de Seve	Consultant	W	M	
Ernie Duckworth	LPGI	W	M	
John Fuller	AT&T	W	M	
Bob Heinlin	Consultant	W	M	
Bill McCoy	IEEE JTCC ER NFPA	W	M	
Randall Mears	RLH	P	M	
Rudy Sadkowski	AT&T	W	M	
Mark Tirio	Positron	W	M	
Larry Young	Retired CenturyLink	W	M	
M: Member CM: Corresponding Member G: Guest				

Item no.	Notes	Action by
<b>CALL TO ORDER</b>	Chair, John Fuller called the meeting to order at 1:00 PM Eastern time	Fuller
<b>AGENDA ITEM 1</b>	Introductions were not made since no guests were in attendance. Quorum was achieved with 12 of 16 active members present	Boyles
<b>AGENDA ITEM 2</b>	<b>Review, Modification, and Approval of the Proposed Agenda</b> Agenda reviewed, modified, and approved with motion by Joe Boyles and seconded by Ben Bloom.	Fuller
<b>AGENDA ITEM 3</b>	<b>Review and Approval of Previous Meetings Minutes</b> Previous meeting minutes from 11/18/2020 were reviewed and approved with motion by Mark Tirio and seconded by Joe Boyles.	Fuller
<b>AGENDA ITEM 4</b>	<b>Copyright Policy, Call for patents and essential Meeting Guidelines</b> – No intellectual property items or questions identified.	Fuller
<b>AGENDA ITEM 5</b>	<b>CHAIR'S COMMENTS</b>  PSCCC request for PES General Meeting Conference Paper Review  Bill McCoy will be attending PSCCC Executive Committee meetings going forward.	
<b>AGENDA ITEM 6</b>	<b>Liaison/PES Activity</b> <ul style="list-style-type: none"> <li>NFPA 70 (NEC), 780, 855, and ER updates: McCoy appointed to CMP 16 as a representative to NFPA for IEEE IAS/PES JTCC (Joint Technical Correlating Committee). Panel 16 Chair requested all recommendations by 12/18 (McCoy's portion of PIs from his Task Group submitted 12/16). Recommended against PI to move Article 770 to Chapter 8. Class 4 being created for Packet Energy Transfer (PET) to be housed in new Article in Chapter 7 (proposed 726), but listing requirements for communications or optical fiber cables recommended not to be included in this new Article. Ashton reported no word on acceptance to Panel 16; possibly pursuing other avenues. NFPA 70 (NEC), 780, 855, and ER updates The late Jim Brunsen was Panel 16 Principal and Panel 1 Alternate (ATIS) Panel 3 (responsible for Articles 725, 727, 728, 760) is in need of communications SMEs.</li> <li>NFPA 780 (Dan Ashton, Principal- Lumen) Rev. 2023 First draft complete with no significant changes anticipated. Revised (improved) Annex E for Ground Resistance measurements, harmonized with IEEE 81.</li> <li>OFSC (F0) and D2 updates (Khomarlou). Possible overlap of D2 and P367 work. Next F0 meeting March 23-24 2021 (expected virtual). Balloting problems via MyProject system P1138 OPGW resulted in failed joins to balloting pool (circa 50% of members failed to join). Any other known problems should be reported to IEEE staff.</li> </ul>	McCoy/ Ashton/ Khomarlou
<b>AGENDA ITEM 7</b>	<b>Old/Continuing Business Part A</b> Review of Standard 820-2005, <i>IEEE Standard Telephone Loop Performance Characteristics</i> . <ul style="list-style-type: none"> <li>Draft revised standard documents <i>P820d3 marked.pdf</i> and <i>P820d3 clean.pdf</i> are available in iMC WLS Standard Development folder.</li> <li>New Technical Editor needed.</li> </ul>	Fuller/ Pool

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<b>AGENDA ITEM 8</b>	<b>Old/Continuing Business Part B</b> Proposed new GPR/ZOI Guide <ul style="list-style-type: none"> <li>• P487a PAR approved 6/3/20 (See <a href="#">iMC WLS PAR folder</a>).</li> <li>• Review of contribution WLS-2020-022R006 proposed baseline content for IEEE Introductory Guide for Determining the Ground Potential Rise and Induced Voltages for the Design of Communications Installations at Electric Supply Locations. Revisions in committee saved as WLS-2020-022R007 in iMeet Central.</li> <li>• Review WLS-2020-029R001 (Tirio)</li> <li>• Review new contribution WLS-2020-034 from De Sève. Revision/note added in committee, saved as WLS-2020-034R001 in iMeet Central. This contribution is a general explanation of ZOI calculation methodology and philosophy, and could possibly be established as a standalone Guide (perhaps to Std. 367 rather than 487), or added to 487 Annex J in current Section 2.5.1. WLS members are requested to review for resolution at next WLS meeting.</li> </ul>	Fuller/ Tirio/ De Sève
<b>AGENDA ITEM 9</b>	<b>Old/Continuing Business Part C</b> <ul style="list-style-type: none"> <li>• Proposed changes to IEEE Std 487.3-2014, IEEE Standard for the Electrical Protection of Communication Facilities Serving Electric Supply Locations Through the Use of Hybrid Facilities to add requirements for isolated DC power from power station to CFJ.</li> <li>• P487.3a PAR approved 6/3/20 (See iMC WLS PAR folder).</li> <li>• New compliant draft P487_3aD2.pdf available for viewing in iMC WLS Standard Development folder, to be reviewed. Minor editorial changes completed and saved again as P487_3aD2.pdf.</li> <li>• Ballot permission to be requested from Sponsor in January 2021 MC meeting.</li> </ul>	Fuller
<b>AGENDA ITEM 10</b>	<b>Old/Continuing Business Part D</b> Content review and possible changes to IEEE Std 367-2012, <i>Recommended Practice for Determining the Electric Power Station Ground Potential Rise and Induced Voltage from a Power Fault</i> . <ul style="list-style-type: none"> <li>• Update on ad hoc/ study group formation (in process per Jean De Sève).</li> <li>• Announcement/invitation was distributed 7/28/20 and subsequently announced by PSCCC.</li> <li>• Power industry individuals familiar with fault analysis are encouraged to participate.</li> <li>• Reference Contribution <a href="#">WLS-2020-013</a> (De Sève).</li> <li>• PAR to be developed based upon output of study group.</li> </ul>	Fuller/ De Sève
<b>Agenda Item 11</b>	<b>Old/Continuing Business Part E</b> Review IEEE Std 1692-2011, <i>Guide for the Protection of Communication Installations from Lightning Effects</i> . <ul style="list-style-type: none"> <li>• Treatment due by YE 2021.</li> <li>• Future contribution for rephrasing Item #13 (Ashton).</li> </ul>	Fuller/ Pool
<b>AGENDA ITEM 12</b>	<b>Review of homework assignments (new and continuations from previous meetings)</b> <ul style="list-style-type: none"> <li>• Fuller to submit P820 Balloting.</li> <li>• Fuller outreach to IEEE 80 WG, email to officers requesting participation and/or liaison.</li> <li>• Gallo continuing to work on baseline document for new GPR Guide.</li> <li>• Dan/John to prepare contribution for rephrasing Item #13 of WLS-2020-019.</li> <li>• Dan to provide Power Station info form for P487a.</li> </ul>	Ashton/ Fuller/ Gallo

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<b>AGENDA ITEM 13</b>	<b>Future Meetings</b> <ul style="list-style-type: none"> <li>• Next meeting on-line 1/20/2021, 1-4p ET. Jan 14-15 PSCCC MC mtg.</li> <li>• On-line meetings TBD. Std. 820 due 2020 (PAR expiration 2024), 1692 due 2021, P487a (GPR/ZOI Guide) and P487.3a (power isolated power to CFJ) PARs expire 12/31/24.</li> <li>• Possible future WLS FtF Meeting venues indefinitely postponed until further notice</li> </ul>	Fuller
<b>AGENDA ITEM 14</b>	<b>Open Discussion/Other Business</b> <ul style="list-style-type: none"> <li>• Reminder- Please request contribution number from Secretary Joe Boyles before submitting.</li> </ul>	Fuller
<b>ITEMS REPORTED OUT OF EXECUTIVE SESSION</b>	None.	
<b>TIME OF FINAL ADJOURNMENT</b>	Motion to adjourn was made by Dan Ashton and seconded by Ernie Duckworth. Meeting was adjourned at 4:00 PM ET.	Fuller
<b>NEXT FACE TO FACE MEETINGS</b>	None planned.	
<b>FUTURE MEETING ROOM REQUIREMENTS</b>	None (online meetings).	