

PSCCC E0 Subcommittee Meeting Minutes (WLS-2021-002R001)

Designation: E0	Name: Wire Line Subcommittee (WLS) (Formerly SC6)			
Meeting Location: Virtual	Meeting Time: 13:00 (1 PM EST)	Meeting Date: 2021/01/20	Minutes Revised: 2021/03/10	Minutes Approved: 2021/03/10
Presiding Officer: John Fuller (Chair)		Recorded by: Mark Tirio acting for 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	
Jean De Sève	Consultant	W	M	
Ernest Duckworth, Jr.	LPGI & Affiliates	P	M	
John Fuller	AT&T	W	M	
Ernie Gallo	Ericsson	W	M	
Robert Heinlin	Retired AT&T	P	M	
Del Khomarlou	Hydro One, OFSC (F0)	W	M	
Bill McCoy	IEEE JTCC	W	M	
Rudy Sadkowski	AT&T	W	M	
Mark Tirio	Positron	W	M	
Shamariah Jinter	AT&T	W	G	
Jim Jackson	AT&T	W	G	
M: Member CM: Corresponding Member G: Guest				

Item no.	Notes	Action by
CALL TO ORDER	Chair, John Fuller called the meeting to order at 1:08 PM EST	Fuller
INTRODUCTIONS AND QUORUM	Introductions were made since guests were in attendance. Certified that quorum was achieved, with eleven (11) members [of 16 total] attending.	Tirio
CHAIR'S REMARKS	-Last week, a Joint Meeting of the Power System Relay Committee and the PSCCC was held. WLS Chair and Bill McCoy were in attendance. Annual report and updates were shared. -WLS needs technical editor volunteers immediately.	Fuller
AGENDA APPROVAL	Review and Approval of the Proposed Agenda Agenda reviewed and approved without edit, with motion by Ernie Gallo and seconded by Dan Ashton.	Fuller
APPROVAL OF PREVIOUS MINUTES	Review and Approval of Previous Meetings Minutes Previous meeting minutes from 12/16/20 (WLS-2020-033) were reviewed, corrected, and subsequently approved as corrected with motion by Dan Ashton and seconded by Ernie Gallo.	Fuller
AGENDA ITEM 4	Copyright Policy, Call for patents and essential Meeting Guidelines – No intellectual property items or questions identified (dual call). No concerns were raised by anyone in attendance.	Fuller
AGENDA ITEM 5	Chair Comments: Use of the 123 Signup system is required for each PSCCC or Subcommittee member going forward, effective January 2021; this will enhance security for the membership roster, help protect member privacy, and manage Committee-level emails going forward. PSCCC is discussing requirements for future attendance (e.g., triennial FtF meetings.)	Fuller
AGENDA ITEM 6	Liaison/PES Activity <ul style="list-style-type: none"> NFPA 70 (NEC) and SCC18 updates (McCoy): Planning a FtF meeting in August of this year. High-level: Code-making Panel 1, remove the independence of Chapter 8. Proposed deleting the Utility Exemption, but that has since been resolved. Efforts were underway to move content to Chapter 7 including content from Chapter 8 have been defeated. New Article 726 for Fault Managed Power Systems (those that add intelligent/software monitoring to mechanical/electrical devices for overpower protection- see Packet Energy Transfer topic online) being formulated with specific requirements and adjustments for this technology to requirements in other sections of the Code. Task Group recommendations dealing with CAT5/CAT7 metallic shields. Article 250 proposed definition under Nominal Voltage (60 V)- resolved. IEEE C2 (NESC) updates (Gallo). PoE is addressed in the NEC; how do you do it safely? A new Article 766: Microgrids has been proposed; first draft meetings still in progress. NFPA 780 (Dan Ashton): First draft is complete. Modifying requirements to clarify distinction between High Compression vs. Finger-Tight (AKA circumferential and indenture) crimp fittings. Addressing new standard for energy storage systems lightning protection (with a focus on control systems). OFSC updates (Del Khomarlou). D2 officer changes have been implemented. IEEE 525 discussions in progress including grounding option at both ends of metallic cable elements and new sub-group discussion. OFSC ADSS Std 1222 nominated for PSCCC 2020 Standard Recognition Award (worldwide application). OFSC continues to progress with IEEE Std 1138 and working through required voting protocols for 1595 (Optical Phase Conductor); target publication YE 2021. 	Fuller/ Gallo/ McCoy/ Khomarlou

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AGENDA ITEM 7	Old/Continuing Business Part A Review of Standard 820-2005, <i>IEEE Standard Telephone Loop Performance Characteristics</i> . <ul style="list-style-type: none"> Draft revised standard documents <i>P820d2 marked.pdf</i> and <i>P820d2 clean.pdf</i> are available in iMC WLS Standard Development folder. Searching for new technical editor; please advise J. Fuller if interested. Review balloting status; J. Fuller to request ballot, submit ballot pool to SA. 	Fuller/ Pool
AGENDA ITEM 8	Old/Continuing Business Part B Review of the GPR/ZOI guide, <i>IEEE Introductory Guide for Determining the Ground Potential Rise and Induced Voltages for the Design of Communications Installations at Electric Supply Locations</i> . <ul style="list-style-type: none"> The P487a Annex J contribution overall was accorded an extensive overview by Ernie Gallo. Changes saved as 2020-022-R008. Jean De Sève has provided a substantial contribution for Clause 2.5.1 related to the evaluation of multiple electric supply locations with overlapping ZOI's and more. Considered creation of separate Annex to Std. 367 as alternate avenue to delivery. Dan Ashton submitted Lumen's current Form RG31-0048 for reference. Made revisions to "Request for Telecom Services at Electric Supply Locations," and added definitions for FIP, RDL and ZOI. Homework: Dan Ashton will transmit his recommended additions to Ernie Gallo for subsequent review/inclusion. Ernie continues as de facto Technical Editor. Potential additions: decision flowchart, direct optical fiber solutions to consider, hybrid fiber (Std 487.3) alternate for dielectric fiber entry, installations with existing transformer-based solutions. This draft remains under development for proposed baseline content. Additions requested for proposed Annex J10, "How to Use the IEEE 487 Family of Standards Using the IEEE 367 GPR Calculations." 	Fuller/ Gallo / Ashton
AGENDA ITEM 9	Old/Continuing Business Part C Proposed changes to IEEE Std 487.3-2014, <i>IEEE Standard for the Electrical Protection of Communication Facilities Serving Electric Supply Locations Through the Use of Hybrid Facilities</i> . <ul style="list-style-type: none"> P487.3a™ PAR approved 6/3/20. Final draft P487_3a™/D2.pdf available for viewing in iMC WLS Standard Development folder; ready for ballot. John previously solicited for a new TE, and Mark Tirio volunteered to assume this role for P487.3a™. John Fuller obtained permission on 1/15/21 to initiate a draft. Green light given to process the ballot for P487_3a™/D2. 	Fuller
AGENDA ITEM 10	Old/Continuing Business Part D 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"> The Ad Hoc group has reached out for volunteers to participate. De Sève reported that five people now comprise this group. Reference Contribution WLS-2020-013 (De Sève). Other contributions are pending. PAR must be developed based upon output of this study group. 	Fuller/ De Sève

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AGENDA ITEM 11	Old/Continuing Business Part E Review IEEE Std 1692-2011, <i>Guide for the Protection of Communication Installations from Lightning Effects</i> . <ul style="list-style-type: none"> • Treatment due by YE 2021. • Suspended review of Contribution WLS-2020-019R005 (Pool), at Item #51. • Two new contributions submitted for review by D. Ashton: WLS-2021-003 (Ashton) and WLS-2021-004 (Ashton), not processed. • Seeking a qualified Technical Editor for this Std revision. 	Fuller/ Pool
AGENDA ITEM 12	Review of homework assignments (new and continuations from previous meetings) <ul style="list-style-type: none"> • J. Fuller to submit P820 for balloting (need TE identified). • Baseline document for new GPR Guide continued (E. Gallo); submitted on 11/18/20 and updated 12/16/20. Mr. Gallo to continue work on this document development and function as T.E. • J. Fuller outreach to IEEE 80 Working Group for Std 367. • D. Ashton to provide Agenda Item 8 (P487a Annex J) contribution directly to E. Gallo for inclusion. • 	Ashton/ Fuller/ Gallo / Tirio
AGENDA ITEM 13	Future Meetings <ul style="list-style-type: none"> • No WLS meeting scheduled during February 2021. • Next meeting on-line Wednesday, 3/10/21 1-4p EST. • Possible future WLS FtF Meeting venues indefinitely postponed due to travel expense challenges and duration of COVID-19 related restrictions. 	Fuller
AGENDA ITEM 14	Open Discussion/Other Business <ul style="list-style-type: none"> • Reminder- Please request "WLS-2021-xxx" contribution number from Secretary Joe Boyles before submitting. 	Fuller
ITEMS REPORTED OUT OF EXECUTIVE SESSION	None.	
TIME OF FINAL ADJOURNMENT	Motion to adjourn was made by Dan Ashton and seconded by Mark Tirio. Meeting was adjourned at 4:05 pm EST.	Fuller
NEXT FACE TO FACE MEETINGS	None planned at this time.	
FUTURE MEETING ROOM REQUIREMENTS	None (online meetings).	