



PES/NPEC SUBCOMMITTEE 4 (SC-4), W.G. 4.8 IEEE-833

Protection of Electric Equipment from Water Hazard

Chair: Keith Bush **Secretary:** Jason Bellamy

MEETING MINUTES: S19-01, Charlotte, NC.

January, 28th, 2019

1. Attendance

Keith Bush

Jason Bellamy

Singh Matharu

Ken Fleischer

Mitch Staskiewicz

2. Review Prior Meeting Minutes:

Agenda for W.G. 19-01 was approved.

Motion to approve agenda: Ken Fleischer

Second: Singh Matharu

W.G. 4.8 18-02 meeting minutes approved

Motion to approve minutes with changes: Ken Fleischer

Second: Mitch Staskiewicz

3. W.G. 4.8 Membership Update, Changes, and Assignments

Membership roster attached to this document as Attachment 2.

4. Status of IEEE-833

Last issued in 2011. PAR draft complete, goal for PAR approval 19-01.

5. Discussion items

- The standard was reviewed and changes made towards the next version.
- Ken Fleischer is working on a draft of a possible annex for possible water intrusion examples (including snow & ice).
- Jason Bellamy is reviewing the standard references for title and version updates.
- Keith is going to research direct vs indirect water hazards and raceway definitions.
- Keith is to search INPO for cold weather preparation checklist or annual inspection.
- Keith will also research beyond design basis following issues for equipment protection.

6. Review of Action Items:

Refer to Attachment 1 for a complete status of W.G. 4.8 action items as of the conclusion of the S19-01 meeting.



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7. General Items:

Meeting was adjourned at 11:30 AM.

Motion to adjourn: Jason Bellamy

Second: Mitch Staskiewicz



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Attachment 1

W.G. 4.8 Action Items

Item	Assigned	Dated Identified	Due	Action	Status
19-1	J. Bellamy	1/28/19	S19-02	Distribute the draft IEEE 833 with the revisions from 19-01	Closed
19-2	J. Bellamy	1/28/19	S19-02	Review references for latest titles and versions	
19-3	K. Fleischer	1/28/19	S19-02	Ken to distributed annex of examples common water intrusions (including snow & ice)	
19-4	Working Group	1/28/19	S19-02	Group to review from section 6 to the end prior to 19-02 meeting.	
19-4	Working Group	1/28/19	S19-02	Verify standard have engineering control be accessible for inspection of its existence and functionality	



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Attachment 2

SC-4 Working Group 4.8 Member Listing

Member Name	Affiliation
Keith Bush	ENERCON
Jason Bellamy	ENERCON
Sudhir Thakur	Exelon
Mitch Staskiewicz	Mirion
Joe Krvavac	S&L
Ken Fleischer	Consultant
Singh Matharu	US NRC