

**Subsurface Transformers and Network Protectors Subcommittee
Task force / Working Group Report**

Document #: PC57.12.53

Document Title:

Guide on Mitigating Corrosion on Subsurface Transformers

Chair: Will Elliott Vice-Chair: Avijit Shingari

Secretary: Audrey Siebert-Timmer Per Cent Complete: 0

Current Draft Being Worked On: 0 Dated: _____

Meeting Date: March 29, 2022 Time: 1:45 PM MST

Attendance:	Members	<u>19</u>
	Guests	<u>13</u>
	Total	<u>32</u>

Attending Members:

William Elliott, Prolec GE

Avijit Shingari, Pepco Holdings Inc.

Audrey Siebert-Timmer, IFD Corporation

Nabi Almeida, Prolec GE

Dave Blue, Consultant

Thomas Dausat, Prolec GE

Herton De Oliveira Filo, PSE&G

John Harley, First Power Group LLC

Brad Kittrell, Consolidated Edison Co. of NY

Brian Klaponski, Carte International Inc.

Tyler Morgan, Duke Energy

Daniel Mulkey, Mulkey Engineering Inc.

Dan Schwartz, Quality Switch, Inc.

Adam Sewell, Quality Switch, Inc.

Jeremy Sewell, Quality Switch, Inc.

James Spaulding, City of Fort Collins

Liz Sullivan, Dominion Energy

John Vartanian, National Grid

Michael Zarnowski, Carte International Inc.

Attending Guests

Paul Chisholm, IFD Corporation

Michael Dahlke, Central Moloney, Inc.

Cesar Diaz, EATON Corporation

Jeffrey Door, The H-J Family of Companies

Douglas Craig, Richards Manufacturing Co.

Sanford Fong, Georgia Power Co.

Joe Nims, Allen & Hoshall, Inc

George Payerle, Carte International Inc.

James Ratty, Electronic Technology Inc.

Clemens Reiss IV, Custom Materials

Russ Sewell, Quality Switch, Inc.

Timothy Tillery, Howard Industries

Shelby Walters, Howard Industries

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Meeting Minutes:

1. Will Elliott called the meeting to order at 1:45 PM MST.
2. Opening remarks and announcements.
 - i. As this is the first meeting, any attendee can request to be a member.
3. Will Elliott reviewed agenda. Hearing no requests for changes, the agenda was approved as written. As this is the first meeting there was no previous meeting minutes to approve.
4. Will Elliott reviewed IEEE Essential Patent Claims and SA Copyright Policy. No issues were raised.
5. New Business:
 - i. Will Elliott reviewed the approved PAR.
 - ii. Will Elliott requested nominations for the working-group officers.
 - a. **Brian Kaplonski made a motion to nominate Will Elliott as the working group Chair. Second by George Payerle. Motion passed unanimously.**
 - b. **Nabi Almeida made a motion to nominate Avijit Shingari as the working group Vice Chair. Second by Michael Zarnowski. Motion passed unanimously.**
 - c. **Tom Dauzat made a motion to nominate Audrey Siebert-Timmer as the working group secretary. Second by Paul Chisholm. Motion passed unanimously.**
 - iii. Will Elliott asked the group how we should proceed with the draft document which was created by the corrosion taskforce.
 - a. **Tom Dauzat made a motion to accept the current draft as the starting point. Document contents can be modified within the constraints of the approved PAR scope. Second by George Payerle. Motion passed unanimously.**
 - b. Group discussed the following:
 1. A question was asked if should limit the number or types of changes to make to the document. Group discussed the draft is a starting point and can be changed as needed if it is within the document scope.
 2. A suggestion was made to discuss what experience we have in the room (i.e. corrosion experts or material scientists).
 1. Jeremy Sewell from Quality Switch mentioned they have a material scientist who could review the draft.
 2. Tom Dauzat from Prolec GE mentioned he is a mechanical engineer with a materials background. He performed a number material tests for the taskforce.
 3. Brad Kittrel from ConEd mentioned they have corrosion experts. ConEd also has corrosion data can be shared.
 4. Avijit Shingari mentioned PEPCO have some corrosion experts who could review the draft.
 5. John Harley from First Power Group mentioned they have a corrosion expert who could review the draft and possibly attend the meeting.

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3. Group discussed that if we can get the corrosion experts to attend the meeting it would be beneficial. This could include corrosion experts that work on the transmission side or from other industries.
 4. Tom Dautat suggested the scope to be further clarified as the document is a guide. It is designed to help the user to specify their requirements bases on the application.
 5. Brian Kaplonski commented that ideally that some items may be extracted to put into other standards (i.e. the good stuff).
- c. Will Elliott reviewed the taskforce draft document with the group. **Will Elliott requested the group to review the proposed draft and provide feedback to him by July 1, 2022.**
6. Next meeting: is planned for October 18, 2022 in Charlotte, NC USA
 - i. The following attendees requested membership: William Elliott, Avijit Shingari, Audrey Siebert-Timmer, Nabi Almeida, Dave Blue, Thomas Dautat, Herton De Oliveira Filo, John Harley, Brad Kittrell, Brian Klaponski, Tyler Morgan, Daniel Mulkey, Dan Schwartz, Adam Sewell, Jeremy Sewell, James Spaulding, Liz Sullivan, Michael Zarnowski,
 7. The meeting was adjourned at 2:38 PM MST.
 8. Subsequent to the meeting John Vartanian indicated that he intended to request membership during the meeting, and was granted membership.

Submitted by: Audrey Siebert-Timmer

Date: 03/29/2022