

Subsurface Transformers and Network Protectors Subcommittee

Meeting Minutes Fall 2024 St Louis, MO

Chairman: **George Payerle**

Vice-Chair: **Tony Reiss**

Meeting Date: **October 30, 2024** **Location:** **St. Louis, MO** **Time:** **11:00 – 12:15**

Meeting Administration:

Meeting Opened at 11:00 CST, Nabi Almeida, acting secretary

- Sign In - 2 attendance rosters distributed
- Chairman's Comments - small enough group so introductions were made
- Quorum Determination, member list
 - 34 members, 18 needed for quorum - 19 in attendance
- Present agenda for approval
 - Motion to approve – Tom Dauzat, 2nd – Will Elliott - Unanimous approval
- Approval of the Spring 2024 minutes
 - Motion to approve – Will Elliott, 2nd – Brian Klaponski - Unanimous approval
- Announce new members:
 - New members were recognized by the Chair and welcomed by those in attendance
- WG chairs be sure to note specifically which previous meeting minutes you are approving when you approve minutes of previous meeting.
 - Chairman clarified – in your WG minutes, be specific when identifying the meeting they are from including Fall or Spring and year.
- Does anyone request SC membership? Indicate on roster.
 - Stated at start of roster circulation

Meeting attendees

Members Present

Nabi	Almeida	Prolec GE
Alex	Ayala	Power Partners, Inc.
Jared	Bates	Oncor Electric Delivery
Piotr	Blaszczyk	Specialty Transformer Comp.
David	Blew	Retired (PSE&G)

Jeffrey	Brooks	Asplundh Engineering
Thomas	Dauzat	AEP-SWEPCO
William	Elliott	AEP-SWEPCO
Carlos	Gaytan	Prolec GE
Ramadan	Issack	American Electric Power
Brian	Klaponski	Carte International Inc.
Alejandro	Macias	CenterPoint Energy
Fernando	Meza	Power Partners, Inc.
Vinay	Patel	Consolidated Edison Co. of NY
George	Payerle	Carte International Inc.
Pedro	Salgado	Electronic Technology Inc.
Dan	Schwartz	Quality Switch, Inc.
Adam	Sewell	Quality Switch, Inc.
Jeremy	Sewell	Quality Switch, Inc.
Igor	Simonov	Toronto Hydro
James	Spaulding	Fort Collins Utilities
Alan	Traut	Howard Industries
Jeremy	Van Horn	IFD Corporation
Joshua	Verdell	ERMCO
William	Whitehead	H2scan Corporation
Michael	Zarnowski	Carte International

Guests Present

Kevin	Biggie	Weidmann Electrical Tech.
Jim	Cai	JSHP
Noah	Chesser	Oncor Electric Delivery
Douglas	Craig	Richards Manufacturing Co.
John	Crotty	Ameren
Alicia	Farag	LocusView Solutions
Sanford	Fong	Georgia Power Co.
Gilberto	Garza	Prolec
Orlando	Giraldo	H-J Family of Companies
Rebecca	Kim	Chenyong Electric
Kang Jin	Lee	Chenyong Electric
Angela	Leigl	EATON Corporation
Tiffany	Lucas	Prolec GE
Katherine	M	Magnetron
Nicholas	Manske	Oncor Electric Delivery
Luis Felipe	Mendez	JST Power
Tim	Menter	Lincoln Electric Systems
Justin	Minikel	EATON Corporation

Charles	Morgan	Eversource Energy
Hugo	Murillo	H-J Family of Companies
David	Rorher	FirstEnergy
Garret	Sarkinen	Xcel Energy
Stefan	Schindler	Maschinenfabrik Reinhausen
Joe	Schumack	Ameren
Russell	Sewell	Quality Switch, Inc.
Michael	Thibault	Pacific Gas & Electric
Michael	Thomson	SEL Engineering Services
Timothy	Tillery	Howard Industries
Fernando	Tirado	Prolec GE
Juan	Velasquez	Magnetron
Holly	Wassall	JST Power
Guang	Yuan	Hitachi Energy
Malia	Zaman	IEEE

Working Groups Report:

PC57.12.23 – Single Phase Submersible Transformers

Monday, October 28, 2024

11:00 AM

St. Louis, Missouri USA

Chair: Alan Traut, Howard Industries

Vice-Chair: Noah Chesser, Oncor Electric Delivery

Secretary: Noah Chesser, Oncor Electric Delivery (acting)

Call to Order

The meeting was called to order by the Chair at 11:00AM CDT on Monday, October 28, 2024.

Essential patent statement and copyright slides

There was a call for essential patent claims by the Chair. There were none brought forward. The Chair announced if there was one to inform the Chair. The IEEE copyright slides were shown to the WG. No copyright issues were identified in the material presented at the meeting.

Chair Report

Chair is seeking new volunteer for secretary. See chair if interested. C57.12.23 was published in 2018 and will expire in 2028. The present PAR was approved 2-15-2024 and expires 12-31-2028 so there are 7 in-person meetings available to work on the revision. This being the second in-person meeting. The chair is targeting to vote to send the document to ballot in Fall of 2027.

Membership & Quorum

Total attendance was 70, with 28 of 44 members, 42 guests with 16 of those guests requesting membership. Quorum was met. The attendees are listed below.

First Name	Last Name	Company or Affiliation	Role	First Name	Last Name	Company or Affiliation	Role
Nabi	Almeida	Prolec GE	Member	Fernando	Meza	Power Partners	Member
Alex	Ayala	Power Partners	Guest (R)	Charles	Morgan	Eversource Energy	Guest
Jared	Bates	Oncor Electric Delivery	Secretary	Tyler	Morgan	Duke Energy	Member
Piotr	Blaszczyk	Specialty Transformer Components	Member	Daniel	Mulkey	Mulkey Engineering Inc.	Member
Jeffrey	Brooks	Aselundt Eng	Member	Martin	Munoz	Orto	Member
Jim	Cai	JSMP Transformer	Member	Hugo	Murillo	HJ Family of Companies	Guest (R)
Noah	Chesser	Oncor Electric Delivery	Vice Chair	Ismael	Naja	Eaton Corp	Guest (R)
Matthew	Chisholm	IFD Technologies	Guest	Nurudeen	Olayiwola	PECO Excelon	Guest (R)
Paul	Chisholm	IFD Technologies	Guest	Joel	Pacas	IFD Technologies	Guest
Craig	Colopy	Eaton Corp (Retired)	Guest	Tihomir	Pandza	Siemens Energy	Guest
Douglas	Craig	Richards Mfg	Guest	Vinay	Patel	Con Edison of NY	Member
Janet	Crockett	Fayetteville PWC	Guest	George	Payerle	Carte International Inc.	Guest
John	Crotty	Ameren Services	Guest (R)	Goran	Plisic	Siemens Energy	Guest
Tim	Dappen	Cargill	Guest (R)	Ion	Radu	Hitachi Energy	Guest (R)
Thomas	Dauzat	AEP - SWEPCO	Guest (R)	Martin	Rave	IFD Technologies	Guest
Qusai	Elnimri	Vantran Transformer	Guest	Robert	Reepe	Georgia Power Co.	Guest
Sanford	Fong	Georgia Power	Member	David	Rohrer	First Energy	Member
Chris	Franklin	MG Power Associates	Guest	Mason	Rush	Central Moloney	Member
Gilberto	Garza	Prolec GE	Guest	Stefan	Schindler	Mashinenfabrik Reinhausen	Guest
Hector	Garza	Orto	Guest	Joseph	Schumack	Ameren Services	Guest
Carlos	Gaytan	Prolec GE	Member	Jeremy	Sewell	Quality Switch	Guest
Luke	Grandbois	IFD Technologies	Guest	Jaber	Shalabi	Vantran Transformer	Guest (R)
Michael	Hardin	HJ Family of Companies	Guest (R)	Igor	Simonov	Toronto Hydro	Member
Ramadan	Issack	American Electric Power	Member	Chris	Slattery	First Energy	Guest
Rebecca	Kim	Cheryong Electric	Guest (R)	Steve	Snyder	Hitachi Energy	Guest
Brian	Klaponski	Carte International Inc.	Member	Jim	Spaulding	City of Fort Collins	Guest (R)
Gilbert	Kozer	Northeast Transformer	Member	Tim	Tillery	Howard Industries	Member
Patrick	Kozer	Northeast Transformer	Member	Fernando	Tirado	Prolec GE	Guest
Kang	Lee	Chenyong Electric	Guest	Alan	Traut	Howard Industries	Chair
Angela	Leigl	EATON Corporation	Guest	Reinaldo	Valentin	Duke Energy	Member
Alejandro	Macias	CenterPoint Energy	Member	Jeremy	Van Horn	IFD Technologies	Member
Katherine	Marvlanda	Magnetron	Guest	Joshua	Verdell	ERMCO	Guest (R)
Nader	Masoud	Central Moloney	Guest (R)	Shelby	Walters	Howard Industries	Member
Mohammed	Megdad	IPS	Guest (R)	Bruce	Webb	Knoxville Utilities Board	Member
Tim	Menter	Lincoln Electric System	Guest (R)	Michael	Zarnowski	Carte International Inc.	Member

Approval of Agenda

The Chair sent out the agenda prior to the meeting for review. A motion was made to approve the agenda (Brian Klaponski/Nabi Almedia). Agenda was unanimously approved.

Approval of previous meeting minutes

The Chair presented minutes from that last meeting in Spring 2024. A motion was made to approve the previous meeting minutes (Brain Klaponski/Mason Rush). The motion passed unanimously.

Old Business

- **Task Force #1 Report – Dan Mulkey**

Task force #1 was charged with comparing the recently published C57.12.24 (3ph Submersibles) to C57.12.23 and recommend changes to C57.12.23 to keep these two standards aligned. Dan presented the slides from Task Force 1. The slides are posted on the Transformer Committee website.

- **Task Force #2 Report – Carlos Gaytan**

Task force #2 was charged with comparing the recently published C57.12.39 (Tank Pressur Coordination) to C57.12.23 and recommend changes to C57.12.23 to keep these two standards

aligned. Carlos presented the slides from Task Force 2. The slides are posted on the Transformer Committee website.

- **Clause 6.1 Dielectric Tests**

This item is tabled to the next meeting due to lack of time in this meeting.

- **Clause 7.2.2 low-voltage terminals**

This item is tabled to the next meeting due to lack of time in this meeting.

- **Rectangular Tank Design – Dan Mulkey**

Dan presented slides on the PG&E experience with rectangular tank designs (aka horizontals) compared to round tank designs. In the PG&E case, new construction uses the horizontal design. Round tank designs are only used for replacements where the vault size does not permit installation of a horizontal. The slides for this presentation are available on the Transformer Committee website.

The Chair will incorporate the recommendations from Task Force 1 & 2 into the next draft for approval by the WG.

New Business

- **Proposal to change scope to 500kVA and Below**

A motion was made to change the scope of the standard to 500kVA and Below (Alex Macias/Jared Bates). The motion failed with 6 members for, 18 opposed, and 7 abstentions. CenterPoint Energy and Oncor Electric Delivery were among the only two utilities present who currently purchase 1PH submersible transformers greater than 250kVA. Both utilities only buy them for replacements, not new installations.

- Thomas Dauzat made a proposal recommending to use stainless fittings to reduce the effects of galvanic corrosion between the fitting and enclosure as stated below.

Not sure which underground xfmr standard to start with, but would like to introduce new business with regards to if a user decides to go with the option of copper bearing steel or 304 stainless instead of 316L stainless enclosure to do the following:

- Externally screwed on fittings such as bolts, nuts, valves, pressure relief devices, samplers-scharader valves, thermometers, etc. need not to be made of copper alloy, but preferably made of stainless or molded material (environmentally suited) to reduce the effects of galvanic corrosion between the mating surfaces.
- If there's no alternative stainless version of the silicon bronze fitting, user may use with 'extreme caution' assuming the entire fitting is coated/painted after assembly to the enclosure. As for as a 316L stainless enclosure, still it's best to use stainless fittings utilizing anti-seize thread coating to prevent thread galling.
- Reference C57.12.53 corrosion guide for subsurface xfmr and protector applications, material compatibility, water chemistry, and material validation testing.

We ran out of time in this meeting so this item is tabled to the next meeting.

Next Meeting Announcement

March 23 - 27, 2025 in Denver, Colorado USA

Adjourn

The meeting adjourned at 12:25PM CDT

C57.12.24 Three-Phase Submersible Transformers working group –
Ben Garcia, Chairman; Tom Dauzat, Vice Chair; George Payerle, Secretary

- Published: 2023
- Revision Due Date: 12/31/2033
- PAR Approval Date:
- PAR Expiration Date:

On break. Not meeting at this time

C57.12.40 Secondary Network Transformer working Group –
John Vartanian, Chairman, Dan Schwartz, Secretary

- Published 2024
- Revision due date: 12/31/2034
- PAR Approval Date:
- PAR Expiration Date:

Stage: Standard recently published.

Fall 2024 St. Louis Meeting Minutes

Hyatt Regency, St. Louis, MO USA

Grand Ballroom AB(4)

11:00 AM CST October 29, 2024

Members Present Company

Dan Schwartz (Secretary) Quality Switch

Nabi Almeida Prolec GE

Piotr Blaszczyk Specialty Transformer Components LLC

Dave Blew Retired (Former PSE&G)

Douglas Craig Richards Manufacturing Co.

Tom Dauzat AEP-SWEPCO

Will Elliott AEP-SWEPCO

Brian Klaponski Carte International Inc

Gilbert Kozer Northeast Transformer Services

Patrick Kozer Northeast Transformer Services

Alex Macias CenterPoint Energy

Dan Mulkey Mulkey Engineering

Vinay Patel Consolidated Edison of NY

George Payerle Carte International Inc.

James RattyRichards Manufacturing Co.

Pedro Salgado Richards Manufacturing Co.

Adam Sewell Quality Switch

Jeremy Sewell Quality Switch

Russell Sewell Quality Switch

Igor Siminov Toronto Hydro

William Whitehead H2scan Corporation

Mike Zarnowski Carte International Inc

Guests Present **Company**

Alex Ayala Power Partners

Kevin Biggie Weidmann Electrical Technology

*Jeffrey Brooks Asplundh Engineering

*Jim Cai JSHP Transformers

Fernando Duarte EPRI

Gilberto Garza Prolec Waukesha GE

Orlando Giraldo H-J Enterprises

Didier Hamoir Transformer Protector Corp

Jeremy Hansman Cleveland Cliffs

Ramadan Issack AEP

Rebecca Kim Cheryong Electric

Andrew Larison Hitachi Energy

Kang Jen Lee Cheryong Electric

*Nicholas Manske Oncor Electric Delivery

Bryan Marguardt Cleveland Cliffs

Katherine Marvlanda Magnetron

Nader Masoud	Central Maloney
Brian McBride	Cargill, Inc.
*Cory Morgan	Eversource Energy
*Tyler Morgan	Duke Energy
*Hugo Murillo	H-J Family of Companies
Ion Radu	Hitachi Energy
David Rohrer	First Energy
Joseph Schumack	Ameren
Fernando Tirado	Prolec Waukesha GE
Reinaldo Valetine	Duke Energy
Bruce Webb	Knoxville Utilities Board
*Requested Membership	

- 1) The group met on Tuesday, October 29, 2024 at 11:00 AM CST with 21 members and 27 guests. Six (6) guests requested membership. Quorum was achieved with 22/30 (73%) of members present.
- 2) A call for patents was made; none were mentioned.
- 3) Copyright requirements were reviewed by the Chair.
- 4) Introductions were made by all attendees.
- 5) The agenda was presented for approval. Motion to approve was made by William Whitehead and seconded by Alex Macias. The agenda was approved unanimously.
- 6) The previous minutes from March 12, 2024, were presented for approval. Motion to approve was made by Dave Blew and seconded by Brian Klaponski. The minutes were approved unanimously.
- 7) Old Business
 - a. C57.12.40-2024 was published in May
- 8) New Business
 - a. Presentation for the follow-up on the medium voltage bushing investigation was made by Vinay Patel (Consolidated Edison of New York) and Fernando Duarte (EPRI).

- b. A call was made for potential new presentations to be made at the next meeting in Denver.

- 9) The meeting was adjourned at 11:57 AM CST with the next meeting set for Denver, CO on March 25, 2025.

Respectfully submitted,

D. Schwartz, Secretary

C57.12.44 Secondary Network Protectors working group –
Mark Faulkner, Chairman, Alex Macias, Secretary

- Revision due date: **12/31/2024**
- PAR Approval Date: **3/26/2015**
- PAR Expiration Date:

Stage: Submitted to Revcom. Did not meet at this time.

C57.167 Guide for Monitoring Distribution Transformers working group –
Gary Hoffman, Chairman, Mike Thibault, Secretary

- Revision due date: **N/A – new standard**
- PAR Approval Date: **6/14/2018**
- PAR Expiration Date: **12/31/2022**

Stage: Just published. No report this meeting

PC 57.12.53 Guide for mitigating corrosion on subsurface transformers
Will Elliott, Chair; Michael Zarnowski, Vice-chair; Audrey Siebert-Timmer, secretary

- PAR Approval Date: **2/23/2022**
- PAR Expiration Date: **12/31/2026**

**Doc-
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ment
#:**

PC57.12.53

**Doc-
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ment
Title:**

**C57.12.53 Guide on Mitigating Corrosion on Subsurface
Transformers and Network Protectors**

Chair:

**Will El-
liott**

**Vice-
Chair**

**Micheal
Zarnowski**

**Secre-
tary**

**Audrey
Siebert-
Timmer**

**Percent
Complete**

90%

**Acting
Secre-
tary**

**Tiffany
Lucas**

**Current Draft Be-
ing Worked On:**

Draft 4

Dated:

**Sep-
tem-
ber
2024**

**Meet-
ing
Date:**

**October
29, 2024**

Time:

4:45 PM CST

**At-
tend-
ance:**

**Mem-
bers**

19

Guests

24

Total*

43

Attending Members:

**Nabi Almeida, Prolec GE
Dave Blew, Consultant
Thomas Dauzat, AEP -
SWEPCO
Will Elliott, AEP - SWEPCO
John Harley, First Power
Group LLC
Brian Klaponski, Carte Inter-
national Inc.**

**Tiffany Lucas, Prolec GE
Tyler Morgan, Duke Energy
Daniel Mulkey, Mulkey Engi-
neering Inc.
Vinay Patel, Consolidated Edi-
son Co. of NY
George Payerle, Carte Interna-
tional Inc.**

**Pedro Salgado, Electronic
Technology Inc.
Dan Schwartz, Quality Switch,
Inc.
Adam Sewell, Quality Switch,
Inc.
Jeremy Sewell, Quality Switch,
Inc.**

Attending Guests:

**Samuel Brodeur, Hitachi Energy
Stuart Chambers, EPRI
John Crotty, Ameren
Jeffrey Door, The H-J Family of
Companies
Gilberto Garza, Prolec GE
Luke Grandbois, IFD Corporation
Didier Hamoir, Transformer Protec-
tor Corp
Javier Hernandez, Orto de Mexico
Ramadan Issack, American Electric
Power
Rebecca Kim, Cheryong Electric
Kang Jin Lee, Cheryong Electric
Alejandro Macias, Centerpoint En-
ergy**

**Igor Simonov, Toronto Hydro
James Spaulding, City of Fort
Collins
Reinaldo Valentin, Duke En-
ergy
Michael Zarnowski, Carte In-
ternational Inc.**

**Nicholas Manske, Oncor Electric De-
livery
Justin Minikel, Eaton
Ali Naderian, EnerPars
Ismael Naja, Eaton
Joel Pacas, IFD Corporation
Nicholas Post, WEC Energy Group
Joseph Shumack, Ameren
Timothy Tillery, Howard Industries
Fernando Tirado, Prolec GE
Jeremy VanHorn, IFD Corporation
Juan Velasquez, Magnetron SAS
Shelby Walters, Howard Industries**

Subsurface Transformers and Network Protectors Subcommittee Meeting Minutes

Meeting Minutes:

- 1. Will Elliott called the meeting to order at 4:45 PM CST.**
- 2. Opening remarks and introductions were made.**
 - i. AMS system has been discontinued. Attendance was taken electronically using a QR code. Paper rosters were circulated to supplement electronic attendance records.**
- 3. Will Elliott reviewed IEEE SA Copyright Policy, Essential Patent Claims, and Code of Ethics & Conduct. No issues were raised.**
- 4. Membership changes were noted:**
 - i. Added: Javier Arteaga, Jeffrey Brooks, Vinay Patel, Igor Simonov, and Reinaldo Valentin**
 - ii. Changed to Guest: None**
- 5. Quorum was verified. The working group consisted of 29 members, requiring 15 for quorum. 16 members were counted at the start of the meeting. Attendance records later confirmed 19 members attended.**
- 6. Will Elliott requested approval of the Spring 2024 Minutes. Nabi Almeida made a motion to approve the Spring 2024 Minutes. Second by Dan Schwartz. Motion was unanimously approved.**
- 7. Will Elliott requested approval of the Fall 2024 Agenda. Dave Blew made a motion to approve the Fall 2024 Agenda. Second by Tom Dauzat. Motion was unanimously approved.**
- 8. Old Business:**
 - i. Will Elliott presented the taskforce's recommended improvements to the draft document.**
 - a. Taskforce members included: Tiffany Lucas (chair), Nabi Almeida, Will Elliott, Audrey Siebert-Timmer, Glenn Stark, John Vartanian, and Michael Zarnowski.**
 - b. The proposed changes to the draft were reviewed until comments were raised.**
 - c. Dan Mulkey made a motion to remove the word "typically" from the definition for low-alloy steel. Second by Tom Dauzat. Motion was unanimously approved. The definition was revised:**
 - 1. Low-alloy Steel: A specially designed metal alloy with iron as the principal alloying element with total other alloying elements $\leq 5\%$ mass percent.**
 - d. Dan Mulkey made a motion to remove the parenthesis from the definition for stagnant. Second by Tom Dauzat. Motion was unanimously approved. The definition was revised:**

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1. **Stagnant:** Is a descriptor of the velocity of a flowing liquid. Stagnant means there is little to no flow.
- e. Will Elliott noted that C57.12.80 has some definitions that use common words, but it does not define the same words in this guide. He also noted that this guide has a statement referencing C57.12.80 and ASTM G193 for definitions. This definitions in the draft defines the language particular to this guide.
- f. Dan Mulkey suggested giving the order of priority as first ASTM G193, then IEEE C57.12.80 and then the standards definitions online if necessary. Will Elliott edited section 3.1 definitions line 12 based on “then if necessary” as suggested by Dan Mulkey for the group to review the suggestion. Tom Dauzat made a motion to accept the change to section 3.1. Second by Igor Simonov. Motion was unanimously approved.
- g. The taskforce recommended an updated Venn diagram for vault submersion (Figure 1). The discussions resulted in multiple motions:
 1. Tom Dauzat made a motion to remove “typically” from the Cyclic area of the Venn diagram. Second by Dan Mulkey. Motion was unanimously approved.
 2. James Spaulding suggested finding a way to align the Venn diagram to Table 3 – Time of Wetness for Corrosion, because the detail in the table should correspond to the Venn diagram. Dan Mulkey suggested the regions should be labelled: Dry Vault with “none to little corrosion”, Cyclic with “some corrosion”, and Immersion with “aggressive corrosion”. James Spaulding made a motion to revise the Venn Diagram to add the corrosion descriptions. Second by Tom Dauzat. Motion was approved unanimously.
- h. Nabi Almeida made a motion to make “environment” plural (change to “environments”) in section 5.6.3. Second by Tom Dauzat. Motion was approved unanimously.
- i. Dan Mulkey made a motion to replace “microbiologically influenced corrosion” with the abbreviation MIC in the last sentence in section 5.6.3. Second by Tom Dauzat. Motion was approved unanimously.
- j. Dan Mulkey made a motion to replace “continuous submersion” with “immersion service” in the whole document and strike the plural “coatings” (revise to “coating”) at the end of section 6.2.1. Second by Tom Dauzat. Motion was approved unanimously.
- k. Nabi Almeida made a motion to approve all changes proposed by the taskforce to the document up to section 6.2.1, which were not already modified and approved by the working group. Second by Igor Simonov. Motion was approved unanimously.
- l. Will Elliott stated that he will update the draft to reflect all changes in the meeting and send out the latest version to the working group for review. He stated that the working group will review the remainder of the document in the Spring 2025 meeting.

9. New Business:

- i. No new business was discussed.

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10. The meeting was adjourned at 5:59 PM CST.
 11. Next meeting: March 25, 2025 in Denver, Colorado, USA.
 - i. The following attendees requested membership and will be added to membership for the Spring 2025 meeting:
 - a. Jeffrey Door, The H-J Family of Companies
 - b. Ramadan Issack, American Electric Power
 - c. Alejandro Macias, Centerpoint Energy
 - ii. The following members will have their membership revised to guest for the Spring 2025 meeting, due to not meeting attendance requirements:
 - a. Hertton De Oliveira Filo, PSE&G
 - b. Liz Sullivan, Dominion Energy
- Submitted by: Will Elliott
Date: 11/9/2024

Old Business:

- No old business

New Business:

- Leadership change – George is leaving his Chair position, which will be filled by Tony Reiss and Nabi Almeida will be the Vice-chair/Secretary for the SC
- George mentioned that he encourages the use of Collabratec

External presentation:

Alicia Farag – Presentation on SCATE P3476. The intention is to have a quick way to identify critical equipment on the network.

Contact information: Alicia.farag@locusview.com 847.387.9412

Initial discussion:

Brian asked for a quick clarification on the motivation for this work. Alicia provide an explanation. Tom Dauzat asked how the information is being kept safe from a national security perspective. Where is the regulation for who creates the code. Alicia answered that the approach they are taking is to create a “VIN” number for the equipment, so this way all the data is encoded in the QR code uID. There is no separate database. There was a question on the audience about wiring diagrams. Alicia explained that in case some additional data is needed you can embed links to additional data. Nabi Almeida asked about any IP risk to the manufacturers and Alicia responded

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that there will only be public information no IP should be exposed. She explained that the information that will be exposed will be validated by IEEE. Al Traut came to share that from his participation on this WG there will be no IP exposition.

Alicia then went through her presentation. Alicia requested participation in the energy transformation WG. There were questions about refurbished units which are included. There was a question on the audience about where the information should be, whether it would be in the nameplate or a label, both options are acceptable according to the presenter.

Nabi Almeida asked where the information for unit specific comes from and Alicia will be controlled by the manufacturer.

Tom asked how we ensure that there is no backdoor approach to getting information of the Utilities company. Alicia mentions that the data is only related to the unit. And the utility information is being protected. There was a mention about the way to ensure the life cycle of this QR code.

Main work group meets bi-weekly and the subgroups meet bi-weekly.

Next meeting:

Wed March 26, 2025 at 11 AM in Denver, CO

Meeting was adjourned at 11:50 Tom Dauzat Moved and it was seconded by Dann Schwartz. Unanimously approved.

Respectfully submitted Nov 20, 2024

George Payerle, Chair STNP subcommittee