

Annex M Subsurface Transformers & Network Protectors Subcommittee

October 17, 2018
 Jacksonville, Florida
 Chair: Dan Mulkey
 Vice Chair: George Payerle

M.1 Meeting Administration

Introductions – The meeting was called to order at 11:00 AM Wednesday, October 17, 2018 in the Grand Ballroom 1 of the Hyatt Regency Jacksonville Riverfront Hotel in Jacksonville, Florida.

Introductions were made and sign-in sheets were routed. The meeting agenda was approved.

Quorum – The members were listed on the screen and by a show of hands, it was determined that there was a quorum in attendance.

Members and Guests --There were 21 members and 33 guests in attendance. Their names can be found in the AM system. Pre-meeting membership changes: Israel Barrientos and Jeremy Van Horn were approved for membership.

Approval of Minutes – The minutes from the Spring 2018 meeting in Pittsburgh, PA were approved. They were motioned for approval by Alex Macias and seconded by Brian Klaponski. The subcommittee approved these without opposition.

The chair noted that this SC will now include a report by the newly formed PC57.167 which reports to both the Distribution Transformer SC and STNP subcommittee.

M.2 Membership List

First Name Last Name (Company Name)
Jason Attard (Consolidated Edison Co. of NY)
Israel Barrientos (Prolec GE)
David Blew (PSE&G)
Jermaine Clonts (Power Partners)
Douglas Craig (Richards Manufacturing Co.)
John Crotty (Ameren)
Larry Dix (Quality Switch, Inc.)
James Dorsten (Alabama Power)
Mark Faulkner (EATON Corporation)
Carlos Gaytan (Prolec GE)
Said Hachichi (Hydro-Quebec)
Michael Hardin (H-J Enterprises, Inc.)
Thomas Holifield (Howard Industries)
Brian Klaponski (Carte International Inc.)
Alejandro Macias (CenterPoint Energy)
Charles Morgan (Eversource Energy)
Daniel Mulkey (Mulkey Engineering Inc.)

George Payerle (Carte International Inc.)
Clemens Reiss IV (Custom Materials, Inc.)
Pedro Salgado (Electronic Technology Inc.)
Adam Sewell (Quality Switch, Inc.)
Jeremy Sewell (Quality Switch, Inc.)
Igor Simonov (Toronto Hydro)
Travis Spooone (EATON Corporation)
Robert Stinson (General Electric)
Wes Suddarth (Nashville Electric Service)
Giuseppe Termini (PECO Energy Company)
Michael Thibault (Pacific Gas & Electric)
Alan Traut (Howard Industries)
Jeremy Van Horn (IFD Corporation)
John Vartanian (National Grid)
Joshua Verdell (ERMCO)
Lee Welch (Georgia Power Co.)
William Wimmer (Dominion Energy)
Kwasi Yeboah (GE Energy Management)

M.3 Working Group and Task Force Reports

M.3.1 C57.12.23 Working Group Report – Single-Phase Submersible Transformer

Alan Traut, Chairman, George Payerle, Acting Secretary.

Revision Due Date: **3/19/2019**

PAR Approval Date: **8/21/2014**

PAR Expiration Date: **12/31/2018**

The meeting was called to order at 9:30 AM in Grand Ballroom 1 at the Hyatt Regency Riverfront in Jacksonville, Florida.

Everyone was asked to introduce themselves. Rosters were sent around. Twenty-one members were in attendance, which constituted a quorum. Must attend 2 meetings in a row to be a member. Miss 2 meetings in a row and you are no longer a member. Contact the chair if you have a valid excuse for missing a meeting and wish to remain a member.

The chair asked if there were any essential patent claims that needed to be disclosed. There were none.

Fred Friend moved to approve the agenda and Said Haichichi seconded. Motion carried. The minutes from the Pittsburgh meeting were presented. Alex Macias moved to approve, Shelby Walters seconded. Motion carried.

The Chair summarized the results of the ballot:

Initial ballot of draft D7 closed July 25, 2018

72 balloters (27 Producer, 14 user, 13 consultant, 18 all others)

66 returned, 91% (75% required)

64 votes with 2 abstentions

62 affirmative, 96% (75% minimum)

2 negative

25 comments, 6 negatives must be satisfied.

Comments resolved and included in D8.

Recirculation ballot of draft D8 closed September 8, 2018

64 affirmative (100%)

4 editorial comments to be addressed during publication

Following the successful recirculation ballot, PC57.12.23/D8 submitted to RevCom September 15, 2018 and has been placed on the December 2018 RevCom agenda.

The chair summarized the changes that resulted when the negative ballots were resolved. Brian Klaponski noted that figures are sometimes reduced in size and become difficult to read during the publication process.

Draft D8 should be approved by RevCom within the next few months. The Par expires in December 2018. Just to be safe, the chair applied for a Par extension but we shouldn't need it. The PAR extension request is on the December 2018 NesCom agenda.

The chair stated that 12.23 will go into hiatus and that we will offer our time slot to 12.24 which involves most of the same people. Once their work is complete, 12.23 will resume in approximately 5 years.

The meeting was adjourned at 9:55.

M.3.2 Continuous Revision of C57.12.24 – Three-Phase Submersible Transformers

Giuseppe Termini, Chairman; George Payerle Secretary

Approved: **12/7/2016**

Revision Due Date: **12/7/2026**

PAR Approval Date:

PAR Expiration Date: **N/A**

Members present

Giuseppe Termini – (Chairman) PECO (Exelon)
 Jason Attard – ConEd
 Israel Barrientos – Prolec GE
 Piotr Blaszczyk, The Specialty Switch Co.
 David Blew – PSE&G
 Rhett Chrysler, ERMCO
 Douglas Craig – Richards Mfg
 Thomas Dauzat – GE
 Craig DeRouen - ERMCO
 Will Elliott – GE
 Carlos Gaytan – Prolec GE
 Said Hachichi – Hydro Quebec
 Mike Hardin – H-J Enterprises
 Brian Klaponski - CARTE International Inc.
 Alejandro Macias - CenterPoint Energy
 Cory Morgan – Eversource Energy
 Dan Mulkey – Mulkey Engineering Inc.
 George Payerle – Carte International Inc.
 Jarrod Prince- ERMCO
 James Ratty – Electronic Technologies. Inc.
 Pedro Salgado – Electronic Technology Inc.
 Igor Simonov - Toronto Hydro
 Babanna Suresh – Southwest Electric Co.
 Mike Thibault – PG&E
 Alan Traut – Howard Industries
 Jeremy Van Horn – IFD

Guests present

*Glenn Andersen – Fayetteville PWC
 *Daniel Berler – ZTZ Services International
 Kevin Biggie – Weidmann Electrical Technology

Alan Boege – Orto de Maxico
 *Eric Bradford – GE
 Danny Diaz – Commonwealth Associates
 Alexander Ebbert – ZTZ Services International
 Pam Edwards – Central Moloney
 Matthew Enders – Oncor Electric Delivery
 Yamille del Valle – NEETRAC
 Mike Faulkenberry - Retired
 Sanford Fong – GA Power
 Jean-Francois Gagnon – Siemens
 Fred Friend – AEP
 John Garrity – Tagup Inc.
 Jorge Gonzales de la Vega – Orto de Mexico
 *Ken Hampton – BGE
 *Jack Harley – FirstPower Group LLC
 *Brad Kittrell – ConEd
 Brian McBride -- Cargill
 Justin Minikel – Eaton
 *Michael Morgan – Duke Energy
 Tim Morris – Walton EMC
 Roger Owens – Central Moloney
 *Juan Ramirez -- CELECO
 Jeremy Sewell – Quality Switch
 Russ Sewell – Quality Switch
 *Liz Sullivan – Dominion Power
 Philip Sullivan – Power Partners Inc.
 Tim Tillery – Howard Industries
 *Reinaldo Valentin - Duke Energy
 Shelby Walters – Howard Industries
 Lee Wellingham – Central Moloney
 Alan Wilks – Wilks Consulting
 * = requests membership

The meeting was called to order at 1:45 pm on Tuesday, October 16, 2018 in the Grand Ballroom 1 of the Hyatt Regency Riverfront Hotel in Jacksonville, FL. George Payerle acted as recording secretary.

Introductions were made. The Chair stated that the membership stands at 38. With 26 members in attendance there was a quorum at this meeting. There were 34 guests in attendance. Ten (10) guests requested membership. The chair stated that adjustments to the membership will be made based on attendance. The chair asked if there were any essential patents to be disclosed. There were none.

An agenda was presented. Brian Klaponski moved to accept the agenda and Jeremy Von Horn seconded the motion. The motion passed unanimously. The minutes of the previous meeting held on March 27, 2018 in Pittsburgh, PA were presented. Dan Mulkey moved to accept the minutes as presented and Al Traut seconded the motion. The motion passed unanimously.

The latest revision of C57.12.24 was published in 2016 and will expire in 10 years and to officially start the next revision process of the standard, a Project Authorization Request (PAR) will be submitted early next year.

The action items from the previous meeting in Pittsburgh were discussed. Tom Dauzat presented the results of the Task Force on material compatibility between the transformer tank and the hardware and/or components that are either attached or welded to the tank; e.g.: parking stands, drain valves, PRVs, etc. The presentation consisted of transformer photos submitted by various users. Tom made recommendations on how to determine which materials were compatible with each other and how to make choices. For example, the combination of silicon bronze hardware on copper bearing steel tank will generate corrosion. In general, galvanic potential should not exceed 0.2 volts between two (2) dissimilar materials. The recommendation of the Task Force regarding material requirements for the tank, hardware and components was summarized in the Submersible Transformer Galvanic Application Compatibility (STGAC) chart. The chart details material recommendation for hardware and components based on the transformer tank material. The presentation along with the STGAC chart will be posted in the IEEE Transformer Committee website under the Subsurface Transformers and Network Protector Subcommittee page. The WG recommended that the Task Force continues the work to finalize the STGAC chart so that it can be incorporated in the next standard revision. It was also agreed to expand the scope of the Task Force to address tank material as it relates to corrosion. Tom Dauzat will continue to lead the Task Force; Will Elliott, Alex Macias, Babanna Suresh and Cory Morgan will assist Tom in finalizing the chart and address tank material.

Jeremy Van Horn summarized the results of the review of the Metric and English values shown in Table 6 of the standard. Jeremy mentioned that the number of decimal values for both Metric and English were not consistent. Two (2) options were presented to correct this discrepancy. The WG recommended that Jeremy Van Horn and Israel Barrientos continue to work on the Metric and English values and make recommendations to correct Table 6. The recommendation should include using values that are consistent with industry requirements for steel material thickness and be in compliance with IEEE standard C57.144.

Under new business, the Chair stated that the WG participants, both members and guests, should review the standard and submit changes for inclusion in the next standard revision. For example, the Chair stated that the requirements for the accessories shown in the standard should be reviewed and perhaps expanded similar to the requirements proposed in C57.12.34, Standard for Pad-Mounted, Compartmental-Type, Self-Cooled, Three-Phase Distribution Transformers

The Chair asked for volunteers to review any section of the standard and to determine if any changes need to be made. Israel Barrientos, Tom Dauzat, Will Elliot and Dan Mulkey volunteered to review the standard for any possible changes. Brian Klaponski volunteered to have his engineering staff at CARTE review the standard for any possible changes. Any changes suggested will be coordinated through the Chair for review at the next WG meeting.

The Purpose and Scope of the standard were reviewed. After a discussion to expand the Scope of the standard from 3750 KVA to 5000 KVA, it was agreed to keep the Scope as is. Dan Mulkey moved to accept

the Purpose and Scope, for the PAR submission, as they are. Cory Morgan seconded and the motion it was approved.

The meeting was adjourned at 3:00 PM. The next meeting will be in Anaheim, CA on March 26, 2018.
Respectfully Submitted by: Giuseppe Termini, Chairman C57.12.24 Working Group

At the Subcommittee meeting there was unanimous approval of the motion of the Working Group to proceed with submitting the PAR.

M.3.3 Continuous Revision of C57.12.40 – Secondary Network Transformers

Brian Klaponski, Chairman; Giuseppe Termini, Secretary

Revision Due Date: **12/31/2027**

PAR Approval Date:

PAR Expiration Date: **N/A**

a. Members Present

Brian Klaponski (Chairman)
 Jason Attard
 Piotr Blaszczyk
 Dave Blew
 Larry Dix
 Will Elliott
 Mark Faulkner
 Alejandro Macias
 Cory Morgan
 Dan Mulkey
 George Payerle
 Steve Schroeder
 Adam Sewell
 Jeremy Sewell
 Russell Sewell
 Igor Simonov
 Liz Sullivan
 Giuseppe Termini

Company

Carte International Inc.
 ConEd
 The Specialty Switch Co.
 PSE&G
 Quality Switch
 GE
 Eaton Corp.
 CenterPoint Energy
 Northeast Utilities
 Consultant
 Carte International Inc
 ABB Inc.
 Quality Switch
 Quality Switch
 Quality Switch
 Toronto Hydro
 Dominion Energy
 PECO (Exelon)

b. Guests Present

Kevin Biggie
 Mike Bonn
 *Eric Bradford
 *Douglas Craig
 *Tom Dauzat
 Mohamad El Masri
 *Matthew Enders
 Sanford Fong
 Ben Garcia
 Jonathan Garrity
 *Brad Kittrell
 Steve Korte

Company

Weidmann Electrical Technology
 Soltex
 GE
 Richards Manufacturing Co.
 GE
 Southern California Edison
 Oncor Electric Delivery
 GA Power
 Southern California Edison
 Tagup Inc
 ConEd
 Cargill, Inc.

Jinesh Malde
Brian McBride
Justin Minikel
John Owen
*James Ratty
*Pedro Salgado
*Dan Schwartz
Jeff Valmus
*Requested Membership

M&I Materilas Inc.
Cargill, Inc.
EATON Corp.
Powertech Labs. Inc.
Electronic Technology Inc.
Electronic Technology Inc.
Quality Switch
Cargill, Inc.

- 1) The group met on Tuesday, October 16, 2018 at 11:00 am with 18 members and 20 guests. Eight (8) guests requested membership.
- 2) Giuseppe Termini acted as the recording secretary for the meeting minutes.
- 3) An agenda was presented and approved, and introductions were made.
- 4) The Chair asked if there were any patent claims that needed to be mentioned. There were none.
- 5) The minutes of the March 27, 2018, meeting in Pittsburgh, PA were reviewed. Alex Macias made a motion to approve those Minutes. Jeremy Sewell seconded the motion and the minutes were approved unanimously.
- 6) The Chair announced that as of the end of this meeting Dave Blew will become the Chairman of the Working Group. Dan Schwartz volunteered to be the next recording secretary.
- 7) The Chair briefly talked about the presentations made by Patrick Ho of Powertech and Jason Attard and Jane Shin of ConEd at the last two meetings.
- 8) The Chair stated that in order to proceed to the start of the next revision of this Standard that a PAR must be submitted. A PAR will be submitted by Dave Blew in January 2018. To submit the PAR, the Purpose and Scope of the standard were reviewed.
- 9) The Purpose of the standard was reviewed, and after a discussion regarding the mechanical interchangeability and safety wording in the Purpose, a motion was made by Dave Blew to keep the Purpose as it is. The motion was seconded by Dan Mulkey and it was approved unanimously.
- 10) The Scope of the standard was also reviewed. Dave Blew made a motion to keep the Scope as it is. The motion was seconded by Cory Morgan and it was approved unanimously.
- 11) The Chair asked for the formation of a Task Force to address corrosion issues related to the transformer tank material. After a discussion, it was agreed to expand the existing Task Force of C57.12.24 to include tank material requirements to address the corrosion issue. A motion was made by Tom Dausat that: "For the purpose of C57.12.24 and C57.12.40, the scope of

the C57.12.24 Task Force will be expanded to include tank material to address corrosion based on the transformer applicability for both standards, C57.12.24 and C57.12.40". The motion was seconded by Will Elliot and it was unanimously approved.

- 12) The Chair discussed two other topics to be considered for inclusion in the next standard revision:
 - a. The formation of a Task Force to address Cathodic protection in an Informative Annex
 - b. Reconsider an alternate location of the primary network switch in the main transformer tank in order to address historical high incidents of catastrophic switch failures as reported by the users.
 - c. An option without a switch was also brought up and Alex Macias reminded the group that he had previously made the same request, and at that time it was elected to address it during the next revision.
- 13) The meeting was adjourned at 12:04 pm with the next meeting set for Anaheim, CA on March, 26, 2019.

Respectfully submitted
B. Klaponski, Chairman

At the Subcommittee meeting there was unanimous approval of the motion of the Working Group to proceed with submitting the PAR.

M.3.4 -C57.12.44 Working Group Report – Secondary Network Protectors

Revision Due Date: 12/31/2024
PAR Approval Date: 3/26/2015
PAR Expiration Date: 12/31/2019

Document #: C57.12.44

Document Title:

STANDARD REQUIREMENTS FOR SECONDAY NETWORK PROTECTORS
--

Chair: Mark Faulkner Vice-Chair Alex Macias
Secretary _____

Current Draft Being Worked On: DRAFT 10 Dated: Sept. 18, 2018

Meeting Date: October 15, 2018 Time: 4:45PM

Meeting Attendance

Activity Name: C57.12.44 WG Secondary Network Protectors

Activity ID: 703

Number of Members in Activity = 17

Number of Members Present = 13

Quorum Present = 76.5%

Number of attendees = 27

Meeting Minutes / Significant Issues / Comments:

The minutes shall record the essential business of the Working Group, including the following items at a minimum:

1. Call to order and any Chair's remarks
 - a. 4:48PM
 - b. Focus on review draft for preparation for Ballot and MEC
2. Quorum Verification
 - a. Quorum was confirmed by show of hands
3. Confirmation of the essential patent statement and responses
 - a. No conflicts presented to group
4. Approval of minutes of the previous meeting
 - a. Motion made by Douglas Craig, 2nd, David Blew
 - b. Minutes approved
5. Approval of agenda for this meeting.
 - a. Motion made by Douglas Craig, 2nd, Dan Mulkey
 - b. Minutes approved
6. Technical topics
 - a. Brief summary of the discussion and any conclusions reached.
 - b. Motions, including the names of mover and seconder as well as the result of the vote.
 - i. Douglas Craig requested the minutes from the previous meeting be edited to reflect the 7.5 percent minimum trip source (obtained from Secondary Network Section of the Underground Systems Reference Book)
 1. Motion made by Craig and 2nd by Cory Morgan
 2. Motion passed
 - ii. Dan Mulkey made a motion to go to ballot
 1. Motion made by Craig, 2nd by Dan
 2. Motion passed
 - iii. Dan Mulkey made a motion to go to create a ballot resolution group to have authority to make corrections and present at next meeting
 1. Motion made by Craig, 2nd by Dan
 2. Motion passed
 3. Review panel: Dan, Blew, Mark, Alex
 - iv. Cory Morgan noted thermocouples need to be changed on figure 1 to thermal sensors versus thermal couples
 - v. Discussion held on network side terminal bases
 1. Drawings agreed to by both vendors present
 2. Dan Mulkey requested the model names noted under the terminal base be removed and placed in a footnote

- vi. Igor mention inclusion of 600V table for protectors
 - 1. It was noted that it was approved and noted in previous minutes.
 - a. 600V table to be added
- vii. Discussion held on timeline for getting document to RevCom.

- 7. Spring meeting--date and location
 - a. Anaheim, CA
 - b. Date: March 24-28, 2019

Copies of any handouts and/or subgroup reports will be made available as separate items but referenced by these minutes.

Submitted by: Mark Faulkner
 Date: 10/16/2018

At the Subcommittee meeting there was unanimous approval of the motion of the Working Group to proceed to ballot.

M.3.5 -C57.167 Working Group Report – Monitoring Distribution Transformers

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**

Document #:	PC57.167		
Document Title:	Guide for Monitoring Distribution Transformers		
Chair:	Gary Hoffman	Vice-Chair	Mike Thibault
Secretary	See below	Per Cent Complete	
Current Draft Being Worked On:	NA	Dated:	
Meeting Date:	16 October 2018	Time:	4:45 til 5:50PM
Attendance:	Members	51	
	Guests	44	
	Total*	95	

* For details of attendance, please refer to AMS system of the Transformers Committee

Draft Meeting Minutes / Significant Issues / Comments:

1. Call to order and any Chair's remarks – Called to Order at 4:45PM by Gary Hoffman
2. Quorum Verification – All participants we informed of the option to request membership of the Task Force by indicating in the Rosters being circulated.
3. Confirmation of the essential patent statement and responses – No patents were discussed or disclosed to the Chain or the Vice as of the submittal of these minutes

4. Approval of agenda for this meeting. No Objections Motion by Jerry Murphy, Second by Al Traut– Unanimously Approved
5. Call for WG Secretary: Post meeting, Gustavo Leal volunteered appointed by the Chair
6. Technical topics introduced by Chair followed by discussion of each
 - a. Review of WG’s Scope/PAR
 - b. (Introduction of Suggested Clauses to the Guide – Not in order of Guide to be developed)
 - i. Justification for monitoring – Discussion centered on Safety, Resiliency, Reliability
 - ii. Key monitoring parameters and their tolerances
 - iii. Method of alert – Audible and/or visible local alarming
 - iv. Telemetry – Transmission of information to those which should then take action.
 - v. Monitor enclosure integrity and user access – How the Monitoring Device Enclosure should be constructed
 - vi. Installation – How the Monitoring Devices should be installed – Discussion concerning some Utility Regulatory Commissions accepting monitor Reporting in lieu of on-site inspections (Rick Cantrell).
 - vii. Obligatory - Overview/Normative Reference/Definitions Clauses
7. New business (members on Task Forces as well as presenters are shown below as Table 1)
 - a. Motions for establishing Task Forces for Suggested Clauses
 - b. Motion to form Task Force (TF) for 6.b.i (Justification for Monitoring) development of Clause – Dan Mulkey – Made Motion – Seconded by Steve Shull Motion Passed unanimously. Dan Mulkey to Chair TF. Call for Member participants in TF.
 - c. Motion to form Task Force (TF) for 6.b.ii (Key Monitoring parameters and tolerances) development of Clause – Jerry Murphy – Made Motion – Seconded by Steve Shull Motion Passed unanimously. Jerry Murphy to Chair - Call for Member participants in TF
 - d. Motion to form Task Force (TF) for 6.b.iii and iv (Method of Alert and Telemetry) development of Clause – Mike Thibault – Made Motion – Seconded by Said Hachichi Motion Passed unanimously. Mike Thibault to Chair - Call for Member participants in TF
 - e. It was agreed to Table action on clause for enclosure integrity and access along with the clause on installation
 - f. General – Between Fall 2018 Jacksonville and 2019 Anaheim Meeting the expectation is that these TFs formed in 7.b thru d will schedule via a “Doodle Poll” and meet via “Web-Conference Call) and develop a draft proposal for the working group to review and discuss at the Anaheim Meeting.
 - g. Discussion of the followed concerning Utilities and Manufacturing members of the Working Group to provide short presentations at the next meeting in Anaheim on what “State of the Art” Monitoring for Distribution Class Transformers. Volunteers for this were:
 - i. PSE&G – David Blew
 - ii. ConEdison – Bradley Kittell/Jason Attard
 - iii. Qualitrol – Hakim Dulac
 - iv. Pacific Gas and Electric –Mike Thibault
 - v. Dupont – Mark Scarborough

A doodle poll will be issued to decide on meeting dates prior to and just after Thanksgiving and perhaps after the New Year
8. Next face to face meeting – Anaheim, California March 24 thru 28 – 2019. A Web meeting may be called if needed
9. Adjournment

Table 1

	Task Force 1 – Justification Clause	Task Force 2 – Monitor Clause
Chair	Daniel Mulkey with Mulkey Engineering Inc.	Jerry Murphy with Reedy Creek Energy Services
Member	Stephen Shull with North Fork SE, LLC	Roger Fenton with Fenton Solutions
Member	John Chisholm with IFD Corporation	Rick Cantrell with Sunbelt Transformer
Member	Jeff Benach with Weidmann	Jeremy Van Horn with IFD Corporation
Member	Douglas Craig with Richards Manufacturing Co	Jason Attard with Consolidated Edison Co. of NY
Member		Hakim Dulac with Qualitrol Company LLC
Member		Brian Klaponski with Carte International Inc.
Member		Brad Kittrell with Consolidated Edison Co. of NY
Member		Babanna Suresh with Southwest Electric Co.

Table 1A

	Task Force 3 – Method and Telemetry	Presenter
Chair	Michael Thibault with Pacific Gas & Electric	
Member	William Whitehead with Camlin Power	Jason Attard with Consolidated Edison Co. of NY
Member	Jason Attard with Consolidated Edison Co. of NY	Michael Thibault with Pacific Gas & Electric
Member	Brian Klaponski with Carte International Inc.	Mark Scarborough with DuPont
Member	Audrey Siebert-Timmer with IFD Corporation	David Blew with PSE&G
Member	Kwasi Yeboah with General Electric	Brad Kittrell with Consolidated Edison Co. of NY

There were no Handouts for this Meeting

Submitted by: Mike Thibault (Vice Chair)

Date: 10/17/2018

M.4 Old Business

none

M.5 New Business

At the end of the meeting the chair recognized Brian Klaponski for his long service as chair of C57.12.40.

Gary Hoffman reported that the deadline for submitting PARs for the first NesCom meeting of 2019 is December 18, 2018. The chair then noted that the PARs should be submitted by then to get the maximum life out the PAR.

The chair announced his intention to resign as SC chair effective at the end of this meeting, and that George Payerle was willing to take on the duties of SC Chair. George asked that anyone interested in becoming a Secretary or Vice-Chair to let him know. Following the meeting the chair contacted Sue McNelly and confirmed the change.

The meeting was adjourned at 11:45 with the next meeting to take place on March 27, 2019 in Anaheim, CA.