

**Minutes**  
**Task Force: Lubricant Life**  
**Catamaran Resort, San Diego, CA**  
**1:30 PM – 3 :15 PM (PDT), October 7, 2019**

1. Introduction of Members and Guests, and attendance D. Edwards  
 Meeting called to order at 1:30 PM (PDT).  
 Participants self-introductions with affiliations made.  
 Attendance roster circulated.
  - 5 of 8 members present.
  - As this first meeting, subsequent to meeting, email to those not previously listed as member of Task Force sent offering membership if interested.
  - 39 guest present
 Updated membership count subsequent to meeting reflecting attendees that requested membership. 123Signup attendance reported in this report includes updated membership.
  - 19 of 21 members present.
  - 25 guest present
  
2. Approval of Meeting Agenda D. Edwards  
 Meeting agenda was approved by consent.
  
3. Call for patents, copyright issues D. Edwards  
 Discussion of Patent and Copyright Policies made.  
 No known issues identified.
  
4. Minutes D. Edwards  
 Placeholder – This is 1<sup>st</sup> meeting so no previous minutes to approve.  
 Did review minutes from AdsCom 2019-05-02 meeting & LVSD SC 2019-05-01 meeting (screenshots below).

10	Low Voltage Switchgear Devices (LVSD)	Dave Dunne
<p><i>See: <a href="#">LVSD S/C minutes</a></i>  <i><a href="#">(IEEE PES Switchgear minutes – Spring 2019)</a></i></p> <p><i>Approved TF for Evaluation of Aging of Lubrication.</i></p> <p><i>Keep under LVSD or move to AdsCom TF?</i></p> <ul style="list-style-type: none"> <li>• <i>Motion by J Webb: Motion to elevate TF for Evaluation of Aging of Lubricates to AdsCom oversight. 2<sup>nd</sup> of Motion: Ken Edwards</i> <ul style="list-style-type: none"> <li>○ <i>Will evaluation processes include in environments other than just air, e.g. in SF6?</i></li> <li>○ <i>Answer – will consider.</i></li> </ul> </li> <li>• <i>Motion carried unanimously.</i></li> <li>• <i>Doug Edwards to chair.</i></li> </ul>		

Minutes from LVSD Assemblies Subcommittee 2019-05-01 meeting

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**6. Working Group/Task Force Status Reports**

- a. C37.13 : IEEE Standard for Low-Voltage (1058 and Below) AC Power Circuit Breakers Used in Enclosures
  - i. Keith Flowers Task Force Chair
  - ii. 12 members 22 guests, Quorum met
  - iii. Topics: Aging for lubricants (Mechanical and time related)
  - iv. Form a task force for Investigating a Standard Method for evaluating lubricants used in circuit breakers. Unanimous decision to proceed. Doug Edwards agreed to be the task force chair.
  - v. Change title to include voltage rating "(1058 and Below)"

5. Which type of document? D. Edwards
- Standard
  - Recommended Practice
  - Guides
  - Trial-Use

Discussed which type of document would likely be appropriate. Consensus was:

- Not Standard or Trial-Use Standard
- Most likely a Guide
- Maybe Recommended Practice.
- For now, move forward with likely choice to be a Guide.

6. Title D. Edwards  
Drafted working title of "Draft Guide for Evaluation of Aging and Life of Lubricants Used in Switching Devices"

7. Scope D. Edwards  
Drafted working Scope of "This guide provides methodologies to demonstrate the expected service life of lubricant(s) used in a switching device."

8. Purpose D. Edwards  
No actions taken to draft a Purpose statement.

9. Document Section Structure D. Edwards  
Discussed concepts of having sections to discuss Theories, concepts such as:
- Arrhenius method
  - Q10 temperature coefficient
  - Worse case conditions

Decision was to share documents for general education to spur and support future discussions.

10. Other discussion points D. Edwards  
Nothing specific to report.

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11. Sub-Task Force Teams / Task Assignments D. Edwards  
Action Item 1: Doug Edwards to share (as allowed based on Copyright issues) some relevant papers.  
Action Item 2: Albert Livshitz to share reference to other standards which he claims already covers subject.
12. Adjourn D. Edwards  
Meeting adjourned at 3:13 PM (PDT).

Post meeting, Richard Rohr appointed as secretary.

Reported by,  
Doug Edwards  
Chair, Task Force – Lubricant Aging  
T: +1 (919) 270-1148  
E: [doug.edwards@ieee.org](mailto:doug.edwards@ieee.org)

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<b>Role</b>	<b>LastName, FirstName</b>	<b>Company</b>	<b>10/7/2019</b>
Chair	Edwards, Doug	Siemens Industry, Inc.	X
Secretary	Rohr, Richard	Powell Electrical Systems	X
Member	Burse, Ted	Powell Industries, Inc	X
Member	Carne, Clint	Schneider Electric	X
Member	Eftink, Emily	Burns & McDonnell	X
Member	Flowers, Keith	Siemens Industry, Inc.	X
Member	Grahor, Lou	Eaton Corporation	X
Member	Harley, John	FirstPower Group LLC	X
Member	Hartzel, Ronald	Eaton Corporation	
Member	Jarnigan, Christopher	Southern Company Services	X
Member	Lanning, Scott	S&C Electric	X
Member	Leccia, Brad	Eaton	
Member	Livshitz, Albert	CE Power Engineered Services	X
Member	Marzec, Peter	S&C Electric Co.	X
Member	Moser, Darryl	ABB	X
Member	Orosz, Miklos	Myers Controlled Power	X
Member	Reid, Laura	Hubbell Power Systems	X
Member	Ricciuti, Anthony	Eaton Corporation	X
Member	Riffe, Dave	Westinghouse Electric Company	X
Member	Ward, Jeffrey	Doble Engineering Company	X
Member	Webb, John	ABB	
Member	Weishuhn, William	ABB	X
Guest	Barfield III, Walter	Electric Power Research Institute	X
Guest	Di Lillo, Patrick	Consolidated Edison Co. of NY, Inc.	X
Guest	Dunne, David	Schneider Electric	X
Guest	Dwyer, Bernie	PECO	X
Guest	Esco, Tanner	Eaton Corporation	X
Guest	French, Christopher	Eaton Corporation	X
Guest	Hall, John	Tennessee Valley Authority	X
Guest	Hetzer, Matthew	PEPCO	X
Guest	Hohnstadt, Benjamin	DTE	X
Guest	Hutchins, Roy	Southern Company Services	X
Guest	Irwin, Todd	GE Grid Solutions	X
Guest	Jala, Roopendra Hemanth	S&C Electric Company	X
Guest	Keels, Thomas	kEElectric Engineering	X
Guest	May, Steven	Southern Company	X
Guest	Meyer, Peter	S&C Electric Company	X

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Guest	Owens, John	3M	
Guest	Owens, Mary	Eaton	X
Guest	Parks, Owen	ABB	X
Guest	Pellerito, Thomas	DTE Energy	X
Guest	Peterson, Alan	Utility Service Corporation	X
Guest	Peterson, Andrew	ABB	X
Guest	Rakus, Paul	Eaton	X
Guest	Reigart, Carl	CDR Technical Services, LLC	X
Guest	Sippel, Kevin	Eaton Electric	X
Guest	Wen, Jerry	BC Hydro	X
Guest	Zhang, Wei	Hitachi T&D Solutions, Inc.	X