

**Minutes of Meeting**  
**Working Group: Methodologies to Demonstrate Expected Life of**  
**Lubricants Used in Switching Devices**  
**10 :15 am – 12 :00 pm (EDT), April 4, 2024**

1. Call Working Group (WG) meeting to order Jack Harley  
Meeting called to order at 10:15 am (EDT).
2. Introduction of Participants Doug Edwards  
Participants provided self-introductions with affiliations.
3. Determination of Quorum Doug Edwards  
Quorum was met with:
  - 9 of 12 Voting Members
  - 0 Ex-Officio Members
  - 33 of 73 Non-Voting Members- (NVM), including 8 new NVMs
4. Approval of Meeting Agenda Jack Harley
  - Approved by consent.
  - Agenda had been circulated.
  - Meeting was announced via the Switchgear Committee’s website.
5. Policies & calls for (provided prior to meeting) Jack Harley
  - 5.1. [IEEE’s Patent Policy](#)
  - 5.2. [IEEE’s Copyright Policy](#)
  - 5.3. [IEEE’s Participant behavior in IEEE-SA activities’ Policy](#)

Patent Policy:

- No issues reported.

Copyright:

- No issues reported.

Participant Behavior:

- Reminder to behave provided.

6. Approval of previous virtual WG meeting Jack Harley  
Edwards
  - 6.1. [F23 ADSCOM C37.100.8 WG Minutes R03.pdf](#)
    - Minutes provided with Meeting invitation.
    - Approved by consent.

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7. WG Chair Comments Jack Harley
- Thanks for the work done by the Task Force concerning the testing protocols for various types of equipment.
  - The major task concerning addressing Arrhenius Equation methodologies will be targeted for the next in-person meeting.
8. C37.100.8/D12 (attached to Meeting Invitation) Doug Edwards  
Due to IEEE Template issue, only a mostly "Clean" version was provided – provided by email and via posting in [IMeetCentral](#).
- New draft R13 created during WG meeting.
9. Highlights of revisions incorporated into draft reviewed including: D. Edwards
- 9.1. Introduction  
A short introduction was added.
- 9.2. Section 2. Normative Reference  
Due to deleted sections, several no longer referenced references were moved to the Bibliography.
- 9.3. Section 3. Definition updates  
Definition for "stressor" was deleted based on deletion of Table 1.
- 9.4. Section 4. Service conditions  
No changes
- 9.5. Section 5. General considerations
- 5.6.1 Starting torque  
Section added.
- 5.6.2 Hydrolysis  
Section added.
- 9.6. Section 5.7 Compatibility  
Proposed text reviewed and approved. Short paraphrase, "To help mitigate changes in performance, use manufacturer recommended lubricants. If not possible, then compatibility should be verified. Also applicable to relubrication.
- 9.7. Section 6. Requirements by type of equipment

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- 6.1 Devices which mechanically operate and performance is speed depending Clint Carne
- Wordsmith changes made.
  - New sections added for LVPCB, HVCB, “not dependent on speed” with following sub-section structure:
    - ###.1 Establish baseline closing and opening times
      - ###.1.1 Statistical input data
      - ###.1.2 Statistical output
    - ###.2 Perform aging
  - Table 1: LV PCB test requiring lubricate aging – Table 1 deleted on basis of being out of Scope.
- 9.8. Section 8. Methodologies for demonstrating aging Jack Harley
- Updates on equations (Arrhenius and Lifetime)
    - Addressed IEEE Template format
    - Symbols updated
    - Added units
  - Goal stated to develop text associated with the use of the Arrhenius model for rate of lubricant degradation prior to the next in-person meeting in Fall 2024.
- 9.9. Interpretation of data – Continued Placeholders Doug Edwards
- 9.10. Test Reports – Continued Placeholders Doug Edwards
- 9.11. Annex A: Bibliography Doug Edwards  
Deleted references from previous draft added to the Bibliography
10. Next meetings Jack Harley  
Will be scheduled via Doodle Poll between Spring and Fall 2024 in-person meetings.
11. Adjourn Jack Harley  
Adjourned at 12:00 pm (EDT).

Reported by,  
Doug Edwards, Siemens  
Secretary, C37.100.8 WG  
E: [doug.edwards@ieee.org](mailto:doug.edwards@ieee.org)

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**Attendance**

<b>LastName, FirstName</b>	<b>Company</b>	<b>2024-04-03</b>
Harley, John	FirstPower Group LLC	VM (Chair)
Edwards, Doug	Siemens Industry, Inc.	VM (Secretary)
Burse, Ted	Powell Industries, Inc	
Carne, Clint	Schneider Electric	VM
Christian, Michael	ABB	
Hunt, Terry	Westinghouse	VM
Leccia, Brad	Eaton	VM
Ricciuti, Anthony	Eaton Corporation	
Shiller, Paul	FirstPower Group LLC	VM
Thomas, Christo	Schneider Electric	VM
Webb, John	ABB	VM
Wolfe, Dan	MEPPI	VM
Flowers, Keith	Siemens Industry, Inc.	
Swing, Donnie	Avail	
Anderson, Tim	Aluma-Form	NVM
Andreyo, Joe	Southern States	NVM
Blake, Randy	Schneider Electric	NVM
Flores, Sergio	Schneider Electric	NVM
Gill, Juan	Southern States	NVM
Glinsky, Ilya	Southern California Edison (SCE)	NVM
Grahor, Lou	Eaton Corporation	NVM
Hawkins, Tom	Siemens Industry, Inc.	NVM
Hensberger, Jeremy	MEPPI	NVM
Khan, Umer	ABB	NVM
Lopez, Adrian	Powell Industries	NVM

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May, Steven	Southern Company	NVM
Milnikel, Henning	Siemens AG	NVM
Moser, Darryl	ABB	NVM
Orosz, Miklos	CBT&S LLC	NVM
Parks, Owen	ABB	NVM
Pecile, Conrad	Myers Power Products	NVM
Rakus, Paul	Eaton	NVM
Reid, Laura	Hubbell Power Systems	NVM
Salinas, Alex	Doble/Vanguard	NVM
Sax, Ben	Nashville Electric Service	NVM
Solanki, Lokeshkumar	ABB	NVM
Ward, Randy	Aluma-Form	NVM
Weishuhn, William	ABB	NVM
Wen, Jerry	BC Hydro	NVM
Michelle	Duquesne Light	NVM
Maruricio	Hitachi	NVM
Garrett	Eaton	NVM
Tim	Howard Industry	NVM
Stacey	Siemens	NVM
Oliver	Siemens	NVM
Anne	TCI	NVM
Johnathon	Eaton	NVM