

# C37.59 Working Group MINUTES OF THE Spring 2017 MEETING

Hilton University Place, Charlotte, NC  
2:00 - 6:00 p.m., April 25, 2017

**April 25, 2017:** The meeting was called to order by Chair, M. Dean Sigmon at 2:02 PM.

## Attendance

Quorum: 29 total members thus Quorum required 15 members.  
Members: 12 members were present, thus quorum was met for meeting.  
Guest: 14 Guest participated  
Total: 26 total present

Attendance is listed at bottom of this document. Membership and attendance status are updated in AMS system.

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### 1. Introduction of Member and Guests, and attendance

Introduction of attendees made.  
Attendance roster distributed.

### 2. Approval of Meeting Agenda

Agenda was reviewed.  
There was no quorum. However, there were also no issues with the meeting agenda.

### 3. Approval of Fall 2016, Pittsburgh, Working Group minutes

Minutes were shown and discussed.  
There was no quorum. However, there were no issues with the minutes.  
<http://www.ewh.ieee.org/soc/pes/switchgear/minutes/2016-2/F16ADSCOMa3REV2.pdf>

### 4. Review of C37.59-D8.1 and C37.59 comment form

#### 4.1. Operation of MOCs (Mechanism Operated Cell) switches by GTDs (Ground and Test Devices)

- Considered GTDs and operation of MOCs.
- Conclusion: Changes would be appropriate for C37.20.6 and not C37.59.  
➔ Action Item: Dean Sigmon to request Switchgear Assemblies Sub-Committee (SA S/C) review C37.20.6 with respect to operation of MOCs by electrically operated GTDs.

#### 4.2. Operation of MOCs by Fused Contactors (6.1.7.2)

- Formatted text (bullet list) and made minor text modifications.

#### 4.3. Conversions of vacuum circuit breakers

- Updated 6.1.3 and 6.1.4.1 to add text concerning conversions associated with vacuum circuit breakers, i.e. changing Vacuum Interrupters.

### 5. Historical references

5.1. Next draft D8.2 has updates to add dated references to the Bibliography.

5.2. Discussed listed references without the prefix of the Standard Development Organization (SDO).

➔ Action Item: Doug Edwards to review with IEEE Technical Editors sorting without SDO prefix.

5.3. Discussed not including references to following documents:

- IEEE 4 Dielectric Testing
- C37.010 Guide for HVCB
- C37.010.1 Guide for Selection of Monitoring
- C37.10 Guide for Diagnostics and Failure Analysis
- C37.011 Guide for TRV
- C37.11 Guide for Controls
- C37.012 Guide for Cap Switching
- C37.12.1 Guide for IM's
- C37.12 Guide for Spec'g
- C37.81 Guide for Seismic Qualification 1E
- C37.071 Requirements for Line Closing Switching Surge Voltage Control
- C37.072 Requirements for Transient Recovery Voltage
- C37.0721 Application Guide for Transient Recovery Voltage for AC High-Voltage Circuit Breakers Rated on a Symmetrical Current Basis

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- C37.0722 Preferred Transient Recovery Voltage Ratings and Related Required Capabilities
- C37.073 Requirements for Capacitance Current Switching
- C37.0731 Application Guide for Capacitance Current Switching
- C37.0732 Preferred Ratings for Capacitance Current Switching
- C37.074 Requirements for Switching -Impulse Voltage Insulations Strength
- C37.076 Requirements for Pressurized Components
- C37.077 Requirements for Current Transformers
- C37.078 Requirements for External Insulation (Outdoor)
- C37.0781 Dielectric Test Values for External Insulation (Outdoor)
- C37.079 Guide to the Testing of Circuit Breakers with Respect to Out-of-Phase Switching
- C37.081 IEEE Guide for Synthetic Fault Testing
- C37.081a Recovery Voltage for Terminal Faults - Asymmetrical Short Circuit Current
- C37.082 Methods for the Measurement of Sound Pressure Levels of AC Power Circuit Breakers
- C37.083 IEEE Guide for Synthetic Capacitive Current Switching Tests of AC High-Voltage Circuit Breakers

5.4. Archiving

- Identify document which we do not have copies or sources.
- Survey WG and others in an attempt to locate copies of documents.
- Review with IEEE, options for IEEE to archive documents if WG provides copy of document.
- Based on agreement reached with IEEE, provide copies of documents to IEEE for archiving.

6. Action items summary

- 6.1. Dean Sigmon to bring up for discussion in SA S/C, potential updates for C37.20.6 associated with Electrical GTD operation of MOCs.
- 6.2. New Draft 8.2 (without all Bibliography / Reference updates complete) out to WG by May 5, 2017.
- 6.3. Doug Edwards to review with IEEE Technical Editors sorting without SDO prefix and update Bibliography.
- 6.4. Schedule and hold on-line meeting – target is by around Memorial Day (Doodle Poll).

7. Standard Status

PAR expires December 31, 2018.

8. Adjourn

Meeting was adjourned at 4:53 PM.

Reported by:

Doug Edwards  
Vice-Chair C37.59  
E: [doug.edwards@ieee.org](mailto:doug.edwards@ieee.org)

**Attendance**

<b>Role</b>	<b>First Name</b>	<b>Last Name</b>	<b>Company</b>
Chair	Dean	Sigmon	Eaton Corporation
Vice-Chair	Doug	Edwards	Siemens Industry, Inc.
Member	Ted	Burse	Powell Industries, Inc
Member	Michael	Flack	Southern Company Generation
Member	Keith	Flowers	Siemens Industry, Inc.
Member	Lou	Grahor	Eaton Corporation
Member	Paul	Grein	Circuit Breaker Sales, Co, Inc, - GroupCBS
Member	Albert	Livshitz	CE Power Solutions
Member	Jeffery	Mizener	Siemens Industry
Member	Richard	Rohr	Powell Electrical Systems
Member	Jey	Thayalan	Schneider Electric
Member	Larry	Yonce	Eaton Corporation
Guest	Michael	Colesanti	Google
Guest	Jeffrey	Door	H-J Family of Companies
Guest	Paul	Fox	Schneider Electric
Guest	Daniel	Hook	Western Electrical Services
Guest	Boris	Kogan	Schneider Electric
Guest	James	Lagree	Eaton
Guest	Nigel	McQuin	McQuin Electrical Power Consulting, Inc.
Guest	Andreas	Nenning	OMICRON electronics GmbH
Guest	Brian	ONeil	CE Power Engineered Services
Guest	Mark	Pattison	H-J Family of Companies
Guest	Alan	Peterson	Utility Service Corporation
Guest	Shawn	Shockey	ABB
Guest	Kevin	Sippel	Eaton Electric
Guest	Nick	Vonfeldt	Ameren Missouri