

## **Greetings and Introductions**

The subcommittee meeting was called to order at 4:15 PM on October 8, 2019. Jacob Blake presided as Chairman. See the roster of the meeting included at the end of this document. All present introduced themselves. No essential patent claims were noted.

- PAR has been submitted and approved
- Scope and purpose were approved in Spring 2019 meeting

## **Review Draft outline**

- Change 6.2 from “Enclosure Wiring” to “Mechanism Wiring”
- Change 6.4 from “Condensation” to “Environmental Control”
- Change 6.5 to “Mechanical Performance”
  - Add minimum torque
  - Back drive with-stand
- Add section for “Provisions”
  - Interlocks
  - Grounding
  - RTU
- Add section for “Stored Energy”
  - Batteries
    - AGM (Absorbent Glass Material)
    - Flooded
    - Space
    - Amp/hr Rating
    - Chargers
    - Testers
    - Inverters
- Add section for “Safety”
- Add definition for “Decoupling”
- Add to “Options”
  - Add Loss of AC/DC
  - Main power disconnect
  - Indicating lights
  - Operations counter
  - SCADA switch
  - GFCI Outlets
  - Cabinet Lights
  - Operation counter window
  - Operation Delay
  - Open/Close/Stop Controls
  - Battery Cooler/Heater
  - Surge Protection
  - Portable remote control pendant
- Add to “Unusual Conditions”
  - Wind Loading
  - Seismic
  - Excessive Ice

Minutes of IEEE C37.30.6 – Motor Operator Guide  
San Diego, CA  
October 8, 2019

- Add to “Operating Direction”
  - Field Changeable, Instructions
- Change 7.2 to “Surge Protection”
- Control Wiring Continuity
  - Change “correctness” to “integrity”
  - Change shall to should
  - Control Wiring Insulation Test
  - Change shall to may
  - Remove second sentence specifying specific test be done
- Construction
  - Add Internal and external auxiliary switches
- Add to “Routine Testing”
  - Electrical Operations
- Add to “Nameplate”
  - Rated Torque
  - Operating Time (Angle of rotation/stroke)
  - Rated operating voltage motor
  - Control Voltage
  - Rated auxiliary voltage
  - Degrees of operation
  - Manufactured date
  - Serial number
  - Angle of rotation
  - Stroke of reciprocating mechanism
  - Catalog number
- Change “Test Code” to “Testing Considerations”
- Add Section for Documentation
  - Instruction Manual
  - Schematics/Wiring Diagram
  - Outline details
- Add section for Packaging
  - Storage
  - Shipping
- Add section for recommended spare parts
- Change “Motor Protection” to “Electrical Protection”
  - Change “Fuse/Circuit breaker size/type”
- Volunteers to begin writing different sections
  - Design and Routine Testing – Pete Kowalik, Bill Hurst, and Danny Hoss
  - Construction – Jacob Blake
  - Enclosure – John Kaminski
  - Wiring and Terminal Blocks – Devki Sharma
  - Environmental Control – Danny Hoss
  - Mechanical Performance – Jacob Blake
  - Vertical Pipe Decoupling – Pete Kowalik
  - Batteries – Brett Boles
  - Mounting – Jacob Blake
  - Auxiliary Switches – Devki Sharma and Philippe Corriveau
  - Control – Philippe Corriveau

Minutes of IEEE C37.30.6 – Motor Operator Guide  
San Diego, CA  
October 8, 2019

- Electric Protection – Danny Hoss
- Nameplate – Ken Edwards
- Communication and Provisions – Jacob Blake
- Options – Ken Edwards and Jacob Blake
- Packaging and Documentation – Jim Houston

**Next Meeting**

The Chairman announced that the next meeting for C37.30.6 will be held May 5, 2020 in Reno, NV.

Respectfully submitted,  
Brett Boles  
C37.30.6 Secretary

Phone: 205.257.4450  
[bhboles@southernco.com](mailto:bhboles@southernco.com)

Minutes of IEEE C37.30.6 – Motor Operator Guide  
San Diego, CA  
October 8, 2019  
**Meeting Roster**

|                     |                            |            |
|---------------------|----------------------------|------------|
| John Kaminski       | Siemens                    | Member     |
| Carl Reigart        | Hubbell Power Systems      | Member     |
| Danny Hoss          | Southern States            | Member     |
| Pete Kowalik        | Cleaveland/Price           | Member     |
| Gary Haynes         | ABB                        | Member     |
| Scott Lanning       | S&C Electric               | Member     |
| Laura Reid          | Hubbell Power Systems      | Member     |
| Michael Shook       | Hubbell Power Systems      | Member     |
| Brent Richardson    | Hubbell Power Systems      | Member     |
| Joe Usner           | AEP                        | Member     |
| Bill Hurst          | GE                         | Member     |
| Tim Cook            | Pascor Atlantic            | Member     |
| Philippe Corriveau  | MindCore Technologies      | Member     |
| Ken Edwards         | First Energy               | Member     |
| Sterlin Cochran     | Oak and Shield, LLC        | Member     |
| Jim Houston         | Southern Company           | Vice-Chair |
| Brett Boles         | Southern Company           | Secretary  |
| Jacob Blake         | Hubbell Power Systems      | Chair      |
| Devki Sharma        | Entergy                    | Guest      |
| Charles Worthington | Hubbell Power Systems      | Guest      |
| Steven Donahue      | Royal Switchgear           | Guest      |
| Chuck Corley        | Eaton                      | Guest      |
| Mina Youssef        | Eaton                      | Guest      |
| Francisco Guzman    | Southern California Edison | Guest      |
| Matthew Hetzer      | PEPCO                      | Guest      |
| Thomas Kohlor       | Ameren                     | Guest      |
| Michael Culhane     | Eaton                      | Guest      |
| Brian Gerzeny       | Powell                     | Guest      |
| Damian Perrin       | Entergy                    | Guest      |