

Greetings and Introductions

The working group meeting was called to order at 8:00 AM on October 12, 2021. Jacob Blake presided as Chairman. There were 22 participants in attendance. 14 out of 22 members were present including nine guests constituting a quorum. See the roster of the meeting included at the end of this document. All present introduced themselves. No essential patent claims were noted. No copyright claims were noted.

Review Draft

- Added diagrams to Switch Operating Arrangements
 - Add captions to diagrams to clarify any questions
- Changed “Preferred” to “Typical” to Ratings section
 - Add definitions for Locked rotor, maximum operating torque,
- Poll: Refer to IEEE 37.30.1 Table 13 or Remove aux and trip functions and add table to this document
 - 12 members voted to add the table to this document
 - 1 member voted to refer to the table in IEEE 37.30.1
- Motor Control
 - Add “Means such as” in front of mechanical interlocks
 - Add “Means such as” in front of blocking circuitry
 - Change “is” to “should be” throughout section
 - Change “energize” to “energizing”
- Added Section 7.8.3 Direct Drive (Switch Level Control)
- Stored Energy
 - Types of Batteries
 - Add Chemistry of battery
 - Sizing
 - Add Physical dimensions and terminal style
 - Batteries
 - Add “the” in front of unit in first sentence
- Test Code
 - Add “unusual service” before conditions
 - Move Loading section verbiage to the Test Arrangement section
 - Add definitions to Typical Ratings section
- Nameplate
 - Rated torque needs to be defined

Carl Reigart moved for the meeting to be adjourned and Pete Kowalik seconded. The first session was paused and adjourned at 9:47 AM.

Minutes of IEEE C37.30.6 – Motor Operator Guide
Virtual Meeting
October 12, 2021

The working group meeting was called to order at 10:15 AM on October 12, 2021. Jacob Blake presided as Chairman. There were 20 participants in attendance. 13 out of 22 members were present including eight guests constituting a quorum. See the roster of the meeting included at the end of this document. All present introduced themselves. No essential patent claims were noted. No copyright claims were noted.

Review Draft

- Defining Locked Rotor torque
- Defining Rated Torque
 - Maximum output torque produced from minimum current input
- Rated Torque discussed
- Full load Torque discussed
- Torque required to reach rated hp of motor at full load speed
- Torque motor develops at zero speed
- Volunteers to work on Locked rotor and rated torque definitions, locked rated time, testing, and nameplate:
 - John Kaminski, Carl Reigart, Jim Houston, Adam Voyles, Neil McCord
- Vote: Rated torque (operating time) in addition to locked rotor torque (current)
 - Rated Torque:
 - Nay
- Nameplate
 - Rated torque or rated locked rotor torque
 - Operating time at rated torque and nominal voltage
 - Operating time at no load (Angle of rotation/stroke)
- Surge Protection
 - Remove UL991 as a reference
 - Add IEC 61000-4-12 as a reference
 - Vote: Keep surge testing section or remove surge testing section
 - Eight members voted for Option 1
 - One member voted for Option 2
 - Quorum not achieved; will revisit next meeting
- Environmental Section
 - Volunteers to help with this section: Rob Ross, Neil McCord, John Kaminski
- Routine Testing
 - Neil McCord to help with this section

Carl Reigart moved for the meeting to be adjourned and Jim Houston seconded. The meeting was adjourned at 12:00 PM.

Next Meeting

The Chairman announced that the next meeting for C37.30.6 will be held TBD October 10-15, 2022 in Orlando, FL.

Respectfully submitted,
Brett Boles
C37.30.6 Secretary

Phone: 205.288.0305
bhboles@southernco.com

Minutes of IEEE C37.30.6 – Motor Operator Guide
Virtual Meeting
October 12, 2021

Meeting Roster

| | | |
|-----------------|-----------------------|------------|
| Brian Alexander | S&C | Guest |
| Chris Ambrose | Federal Pacific | Guest |
| Jacob Blake | Hubbell Power Systems | Chair |
| Brett Boles | Southern Company | Secretary |
| Stacey Davies | Siemens | Guest |
| Chris Ekpoudom | Southern States | Member |
| Ilya Glinsky | Southern Cal Ed | Member |
| Danny Hoss | Southern States | Member |
| Bill Hurst | GE | Member |
| Chris Jarnigan | Southern Company | Guest |
| John Kaminski | Siemens | Member |
| Pete Kowalik | Cleveland/Price | Member |
| Scott Lanning | S&C | Member |
| Colby Lovins | Federal Pacific | Guest |
| Peter Mapp | General Electric | Guest |
| Neil McCord | KEC Precision, LLC | Guest |
| Damian Perrin | Entergy | Guest |
| Laura Reid | Hubbell Power Systems | Member |
| Carl Reigart | Hubbell Power Systems | Member |
| Rob Ross | Cleveland/Price | Guest |
| Devki Sharma | Entergy | Member |
| Jim Houston | Southern Company | Vice-Chair |
| Adam Voyles | Ameren | Guest |