



## PSCCC C1 – Update of IEEE-643 Working Group Meeting Minutes

|                                  |                         |  |                                 |  |                                      |
|----------------------------------|-------------------------|--|---------------------------------|--|--------------------------------------|
| Designation:<br>C1               |                         | Name:<br>Revision of IEEE-643: Guide for Power Line Carrier Applications |                                 |  |                                      |
| Meeting Location:<br>Web meeting |                         | Meeting Time:<br>9:10 – 10:10 AM   | Meeting Date:<br>2021/01/11     | Minutes Revised:<br>Yes                  | Minutes Approved:<br>Yes             |
| PAR Output:<br>Revised           | PAR Output:<br>Standard | PAR Approval Date:<br>2019/11  | PAR Expiration Date:<br>2023/12 | Target Sponsor Ballot Date:<br>[2022/01] | Target Completion Date:<br>[2023/01] |
| Presiding Officer:<br>Tony Bell  |                         |  | Recorded by:<br>Dave McGuire    |  | Draft Number:<br>Version 1.1         |

## Attendance:

| Name              | Affiliation                 | Attending via<br>Phone (P) / Web<br>(W) or Local (L) | M/CM/G |
|-------------------|-----------------------------|--|--------|
| Tony Bell         | Ametek/Pulsar               | P/W  | M      |
| Dave McGuire      | Hubbell Power Systems - RFL | P/W  | M      |
| Craig Palmer      | PowerComm Solutions         | P/W  | M      |
| Jeff Brown        | Georgia Transmission Corp   | P/W  | M      |
| Randy Brannen     | Georgia Power               | P/W  | M      |
| David Williams    | First Energy                | P/W  | M      |
| Dominick Fontana  | Eversource                  | P/W  | M      |
| Allen Morinec     | First Energy                | P/W  | G      |
| Don Lukach        | Ameren                      | P/W  | G      |
| Jim O'Brien       | Duke Energy                 | P/W  | G      |
| Nathan Gulczynski | American Transmission Corp  | P/W  | G      |
| Art Buanno        | FirstEnergy                 | P/W  | G      |
| Robert James      | Pacific Gas & Electric Co.  | P/W  | G      |
| Boris Marendic    | S&C Electric Company        | P/W  | G      |
| Dan Reckerd       | Duke Energy                 | P/W  | G      |
| Erin Morales      | IEEE                        | P/W  | G      |
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M: Member  
CM: Corresponding Member  
G: Guest

| Item no.                                       | Notes   | Action by     |
|--|---|---------------|
| <b>CALL TO ORDER</b>                           | Began at about 9:10 AM CDT.   | Tony Bell     |
| <b>INTRODUCTIONS AND QUORUM</b>                | Attendees introduced themselves and 7 members were present with 9 guests.   | Tony Bell     |
| <b>CALL FOR PATENTS &amp; COPYRIGHT POLICY</b> | Patent and Copyright policy was discussed.  | Tony Bell     |
| <b>OPENING REMARKS</b>                         |   | Tony Bell     |
| <b>AGENDA APPROVAL</b>                         | Agenda was presented.   | Tony Bell     |
| <b>APPROVAL OF PREVIOUS MINUTES</b>            | Past meeting minutes were approved.   | Working Group |
| <b>IEEE-643 REVISION</b>                       | Contributions by Jeff Brown were reviewed<br><br>Definitions may be added to this revision<br><br>Chapter 4 was reviewed<br>It was decided to use guard and unblock when referring to the two frequencies in DCUB<br>Phase comparison will be moved to an appendix (with the terms mark & space)<br>Craig will take the assignment of creating the appendix<br>Noted that the 150ms hold timer is configurable in some PLC units<br>There was a discussion regarding hold timers<br><br>Will be added to imeet central <ul style="list-style-type: none"> <li>- Special Considerations in Applying PLC for Protective Relaying</li> <li>- Report on redundancy of power line carrier</li> </ul> Should we intersperse items from these reports? | Working Group |
| <b>Action Items</b>                            | Craig Palmer – create appendix for Phase comparison<br>From previous meetings:<br>Jeff Brown – Review sections 4, 6, 10, section 7 on coax/ tuners & anti-island<br>Randy Brannen – Review section 6 & anti-island (not present at the meeting)<br>Roger Ray – Review section 5, 8, & Special Considerations<br>Craig Palmer – Review sections 3, 4, 10 and Special Considerations<br>Tony Bell – Review section 5 and Redundancy report  | Working Group |
| <b>TIME OF FINAL ADJOURNMENT</b>               | 10:11 AM CDT  |               |
| <b>NEXT FACE TO FACE MEETING</b>               | May 2021 (Virtual)  |               |
| <b>FUTURE MEETING ROOM REQUIREMENTS</b>        | Webex<br>Avoid PSCC P12, P14 & PRSC I36, I37, I40, I41, D35   |               |

