# PSCCC PLC Subcommittee C0 Meeting Minutes

**Designation:** C0  
**Name:** Power Line Carrier Subcommittee

**Meeting Location:** Jacksonville, FL/Online via Webex  
**Meeting Time:** 10:40-11:50 AM EST  
**Meeting Date:** 2023/1/11  
**These Minutes Revised:** YES  
**These Minutes Approved:** 2023/5/10

**PAR Output:**  
**PAR Approval Date:**  
**PAR Expiration Date:**  
**Target Sponsor Ballot Date:**  
**Target Completion Date:**

**Presiding Officer:** Craig Palmer  
**Recorded by:** Tony Bell  
**Meeting Minutes Draft Number:**

### Attendance:

<table>
<thead>
<tr>
<th>Name</th>
<th>Affiliation</th>
<th>Attending via Phone (P) / Web (W) or Local (L)</th>
<th>M/CM/G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Craig Palmer (Chair)</td>
<td>Powercomm Solutions</td>
<td>L</td>
<td>M</td>
</tr>
<tr>
<td>Tony Bell (Vice Chair)</td>
<td>Ametek/Pulsar</td>
<td>L</td>
<td>M</td>
</tr>
<tr>
<td>Jim O’Brien</td>
<td>Duke Energy</td>
<td>L</td>
<td>M</td>
</tr>
<tr>
<td>Ian Tualla</td>
<td>Duke Energy</td>
<td>W</td>
<td>G</td>
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<tr>
<td>Dave McGuire</td>
<td>Hubbell/RFL</td>
<td>W</td>
<td>M</td>
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<tr>
<td>Don Lukach</td>
<td>Ameren</td>
<td>L</td>
<td>M</td>
</tr>
<tr>
<td>David Williams</td>
<td>First Energy</td>
<td>W</td>
<td>M</td>
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<tr>
<td>Rafael Garcia</td>
<td>Oncor</td>
<td>W</td>
<td>M</td>
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<tr>
<td>Philip Baker</td>
<td>Duke Energy</td>
<td>W</td>
<td>G</td>
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<tr>
<td>Dan Nordell</td>
<td>Xcel Energy</td>
<td>W</td>
<td>G</td>
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<tr>
<td>Jack Jester</td>
<td>ABB/Hitachi</td>
<td>W</td>
<td>G</td>
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<tr>
<td>Patricia</td>
<td>IEEE SA</td>
<td>L</td>
<td>G</td>
</tr>
<tr>
<td>Boris Marendic</td>
<td>S&amp;C Electric</td>
<td>L</td>
<td>G</td>
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M:Member  
CM: Corresponding Member  
G: Guest
### CALL TO ORDER
Began at about 10:40AM Eastern time.  
Action by: Craig Palmer

### INTRODUCTIONS AND QUORUM
Attendees introduced themselves and 9 out of 12 members were present, so a quorum was achieved.  
Action by: Attendees

### CALL FOR PATENTS & COPYRIGHT POLICY
Presented and Reviewed.  
Action by: Craig Palmer

### OPENING REMARKS
Ian Tualla and Chris Weldy have become new members. Randy Brannen will no longer be a member.  
Action by: Craig Palmer

### APPROVAL OF PREVIOUS MINUTES & AGENDA
Sept meeting minutes: Jim O'Brien made motion/Ian Tualla seconded. Motion to approve carried.  
Action by: Working Group

### IEEE 643 Guide Update (WG-C1)
Met on Tuesday morning at 10:40 there were ___ in attendance (___ members) with a quorum achieved. Three new members were added. Discussed a draft list of definitions. Reviewed Tony's comments to the document. Will schedule a March online meeting via doodle poll. Shooting to go to ballot by January 2024. Latest draft is rev 1.1 and will be posted in imeet Central by 1/16/23.  
Action by: Tony Bell

### C93.4 PLC Line Tuning Equip. Std Revision (WG-C2)
Dave reported that 7 out of 10 members & 13 guests met on Monday morning. Would like to meet later in the day to if a time slot with very few conflicts can be found. Dave will post the draft standard on imeet Central soon. Found areas to improve in the standard. Utilities are requested to solicit Trench and GE to participate in this working group.  
Action by: Dave McGuire

### CCVT Standard Revision Update
The CCVT Std C57.13.9 draft 16 from the Instrument Transformer committee has gone to ballot & comment resolution is ongoing.  
Action by: Craig Palmer

### Old Business
1. Dave McGuire mentioned that the PSRC P14 working group for digital communications for relaying brought up the topic of digital PLC being used for current diff line relaying.  
Action by: Working Group
2. Tony reminded people if triax cable availability is becoming an issue that Jeff Brown could share a supplier that his company had found.  
Action by: Working Group

### New Business
1. Ian Tualla will take over as C0 Vice-chair replacing Tony Bell for May ’23 and Sep ’23. In Jan ’24 Ian will take over as C0 chair (will need to find a vice-chair for C0 between now and then). Any interested contact Craig Palmer.  
Action by:Craig Palmer
2. Discussed having a C3 task force to investigate ideas for new reports on PLC applications or misop events. Will bring up again in May meeting.  
3. Discussed adding notes to link between PSRC & PSCC websites on existing PLC special reports presently on PSRC website.  
Action by:Craig Palmer

### TIME OF FINAL ADJOURNMENT
10:41 AM Eastern time

### NEXT FACE TO FACE MEETING
May 8 – 11, 2023 Las Vegas, NV

### FUTURE MEETING ROOM REQUIREMENTS
20 people (A hybrid meeting is desired.) Avoid conflicts with H and D main subcommittee meetings of PSRC.