

Meeting Report
ABYC Electrical Components PTC
Charleston, South Carolina
January 11, 2017

Highlights of the ABYC Electrical Components Project Technical Committee Meeting:

This PTC was created to review those electrical components standards previously under the purview of the Electrical PTC, i.e., batteries, battery switches and battery chargers.

1. C-1107, Marine Battery Switches
 - This standard is an old UL test standard that was turned over to ABYC for possible use and maintenance by ABYC. This standard has been converted to ABYC format, but has not yet been sent out for review pending its disposition.
 - Next Action: Created a subcommittee of battery switch manufacturers and interested parties to review the requirements of this test standard prior to committee review. 60 day time limit.
2. A-32, Power Conversions Systems
 - Added a Note to the Scope: There can be significant risk of electric shock, arc flash and arc flash explosions at potentials greater than 300 volts.
 - Added: Shore power converters shall not impair the operation or function of critical equipment due to harmonic distortion (high frequency interference) on AC voltage source sine waves caused by solid state converters.
 - In Diagram 3, changed the single pole breaker to a double pole breaker going to the ac generator to comply with E-11, and will look to update the diagram with the current graphical symbol for ac generators.
 - Added a Note to Clause 12: Some inverters include ground neutral relays which can automatically connect the inverter output neutral to ground. These relays may need to be disabled to comply with this standard.
 - Next action: Send the standard out for ballot.
3. The next meeting of the PTC is at the call of the chair.