

Task Force PCS Continuous Revisions to Test Code C57.12.90

During the Task Force on PCS Revisions to C57.12.90 meeting on October 15, 2018 in Jacksonville Florida, the official quorum was achieved and the following revision to section 5.4.1 was approved by the Task Force members. Below is the *task force* approved revision to the section 5.4.1

As Performance Characteristics Subcommittee member please respond back with one of the following:

- Approve
- Reject with comments
- Abstain

Winding resistance test requirement on wye connected transformers with neutral bushing brought out section revision

From C57.12.90 - 2015

5.4 Resistance measurement connections and reporting

The individual phase- or terminal-to-terminal resistance readings shall be reported along with the sum total winding resistance.

OLD:

5.4.1 Wye windings

For wye windings, the reported resistance measurement may be from terminal to terminal or from terminal to neutral. For the reported total winding resistance, the resistance of the lead from the neutral connection to the neutral bushing may be excluded. For terminal-to-terminal measurements, the total resistance reported is the sum of the three measurements divided by two.

NEW:

5.4.1 Wye Windings

For the wye windings, the reported resistance measurement may be from terminal to terminal or from terminal to neutral. **When there is a neutral bushing brought out, at least one terminal-to-neutral measurement must be made at rated tap position and reported.** For the reported total winding resistance, the resistance of the lead from the neutral connection to the neutral bushing may be excluded. For the terminal-to-terminal measurements, the total resistance reported is the sum of the three measurements divided by two.