



ESO (Electrical System Owner) Qualification

ESO Questions

- Who is the Site ESO?
- What is a “Qualified” ESO?





ESO (Electrical System Owner)

- ESO is a new role that expands the responsibilities of the former PSO (power system owner).
- The new title reflects new and more broad responsibilities.



The ESO Role

The ESO role has two fundamental components, and sites could staff the role with more than one person.

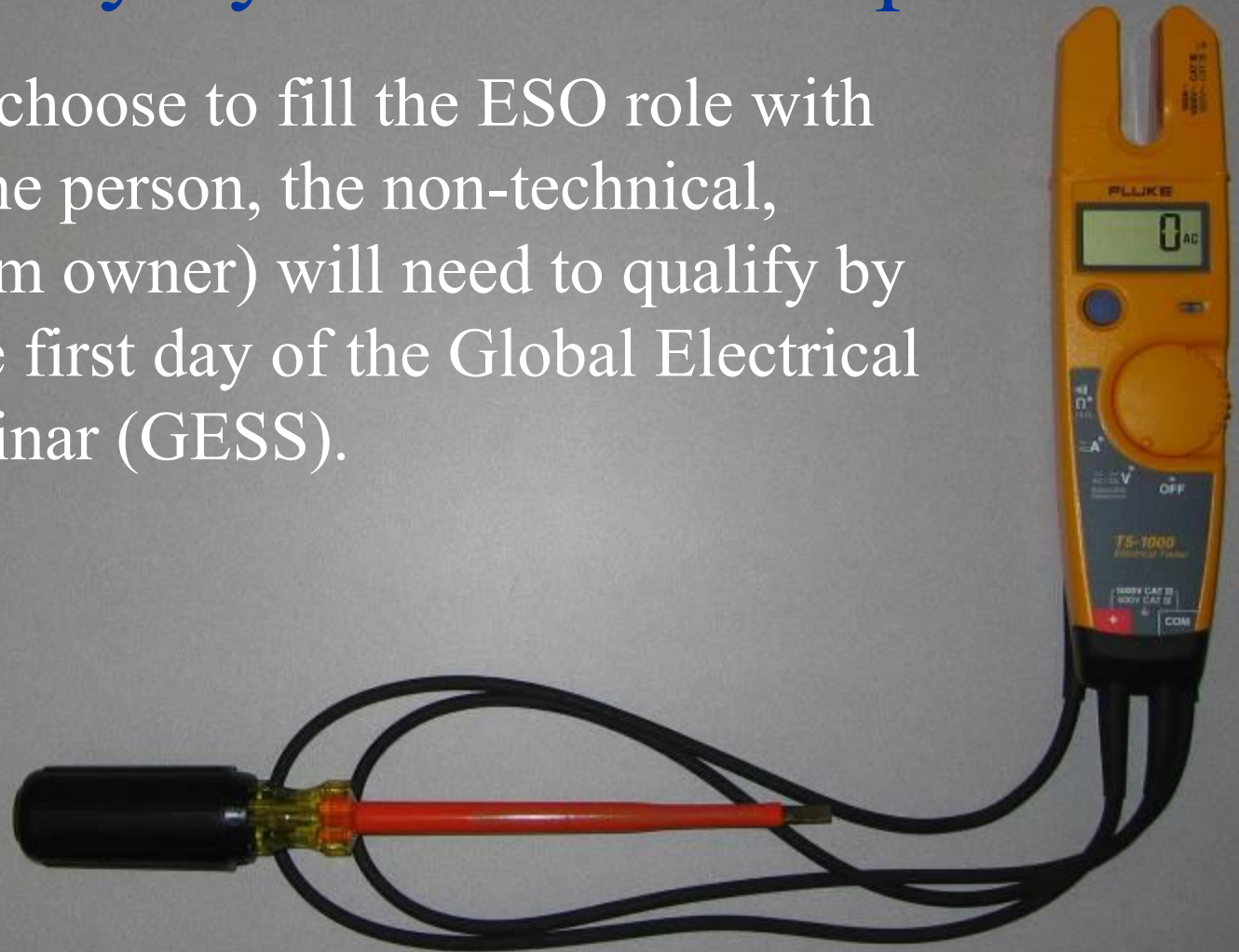
1. Technical Electrical Ownership. This part requires complete electrical qualification to the highest voltage level in the site. Depending upon the depth of experience, qualifying on this part could require up to 2 years.
2. Safety System Ownership. This part ensures that the site is executing the electrical power/safety systems to a satisfactory level, following safe practices, and avoiding injury and loss. Qualification for this part could be completed in 1-2 weeks.





Safety System Ownership

At sites that choose to fill the ESO role with more than one person, the non-technical, (safety system owner) will need to qualify by attending the first day of the Global Electrical System Seminar (GESS).



Technical Electrical Ownership

(5 Requirements)



1. Pre-requisite electrical training or education.
2. Completed Step-up Cards
3. Completion of the P&G Global Electrical Systems Seminar (GESS).
4. ESO Knowledge Check.
5. A Peer Review Board.





Technical Electrical Ownership

(continued)

- 1. Pre-requisite electrical training or education** To ensure that the candidate has the basic knowledge to support qualifying as a site ESO. This requirement is satisfied by:
 - A. an Electrical Engineering Degree
 - B. a diploma or certificate from an independent electrical certification program, such as military training, journeyman electrician or licensed master electrician
 - C. a P&G E&I technician or C&IS Engineer with documented electrical power system experience.

- 2. Completed Step-up Cards** To document “hands-on” electrical distribution equipment skills, and verify familiarity with the site equipment.



Technical Electrical Ownership

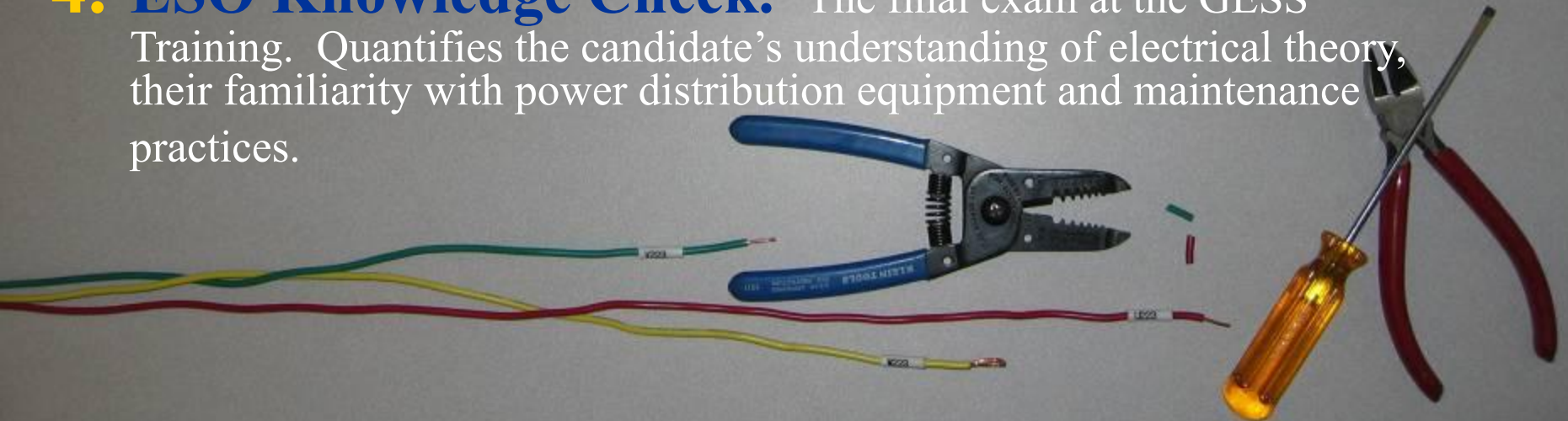
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- 3. Completion of the P&G Global Electrical Systems Seminar (GESS).** Provides familiarity with P&G requirements and standards, the Global Electrical Safety Program and the resources available from the GPS Group.

Exception: An ESO with 3 years power systems experience and who has previously attended a P&G Power Seminar may take the knowledge check without attending GESS.

- 4. ESO Knowledge Check.** The final exam at the GESS Training. Quantifies the candidate's understanding of electrical theory, their familiarity with power distribution equipment and maintenance practices.



Technical Electrical Ownership

(continued)

- 5. A Peer Review Board.** To verify that the candidate has the needed depth of theoretical knowledge and practical skill to safely lead others as a site ESO. This interview is by 2-4 qualified persons from the GPS Group, GBU resources, or other qualified ESO's.





Phased-in ESO “Electrical” Requirements

To receive a “Yes” on O&M #1

- **FY 04/05, the ESO must have:**
 - been appointed by the site manager, and
 - attended the ES Deployment Training or GESS
- **FY 05/06, the ESO must have:**
 - completed the 04/05 requirements, and
 - attended GESS and/or,
 - score at least 80% on the ESO Knowledge Check
- **FY 06/07 and ongoing, the ESO must be “Fully Qualified” per the ESO Qualification Process**
 - in addition to the 04/05 and 05/06 requirements, the ESO must have
 - completed the site ESO step-up cards, and
 - completed the ESO peer review

