



NICET ENGINEERING TECHNICIAN CERTIFICATION
Experience Application, Part V: Major Project
Electrical Power Testing

Each candidate for certification at Level IV in Electrical Power Testing must submit a write-up (in narrative/essay format) of their role in a large and technically complex electrical power testing project demonstrating senior-level engineering technician capabilities and responsibilities.

General Guidelines

The Major Project Write-up must be a concise, detailed, 2 to 3 page written description of the candidate's role in one* major electrical power system testing project.

The major project write-up must be type-written, identified by the candidate's name and NICET ID number, and on separate pages from other application documents. (The write-up is not a part of the work history in Part I of the application.)

The write-up must specifically identify the project and your role/title in it.

The candidate must be the sole author of the major project write-up. (Official job or project descriptions or testimonials from others will not be accepted.)

The project must be recent (within the last 4 years) and must have been completed.

Your involvement in the project must include a range of electrical power testing activities*.

The candidate's involvement in the project must demonstrate independent, senior-level engineering technician work, including delegation of responsibilities and duties.

The write-up must reflect senior-level understanding of the nature and importance of the various aspects of the electrical power system and the project, and the roles of the various people involved in the completion and acceptance of the project.

Guidelines for Description of the Project

The write-up should address each of the following in a detailed narrative:

- The location of the project, the type of facility, and the purpose or objective of the project
- Size of the project (duration of project, number of technicians, etc.)
- Time period (start/stop dates, dates of candidate's involvement, amount of time candidate spent on project)
- Scope of work of the project (description of facility power system, voltage and capacities of switchgear and transformers, unique or complex features, access constraints or time pressures, etc.)

Guidelines for Description of the Candidate's Role

The write-up should address each of the following in a detailed narrative:

- Supervisory or oversight responsibilities (number of people, the tasks they performed, and your relationship to them)
- Range/scope of activities and role in each activity (proposals, design review, project planning, hazard analysis, approvals, testing, equipment acceptance and commissioning, start-up functions, equipment/system evaluation, corrective actions, etc.)

**Note: If all of these activities cannot be documented for a single project, they may be accumulated via several more narrowly focused projects.*
