Electrical Safety Approval—Quick Reference

All workplaces must meet the requirements of the Electrical Safety Code and ESA equipment certifications at a minimum. This is a simplified guideline of the ESA exemption allowances to aid supervisors in meeting their responsibilities. For the most up to date version visit www.esasafe.com/electrical-products/product-approval-exceptions/

**CSA CERTIFICATION REQUIREMENTS**

**DETERMINE TYPE OF POWER SOURCE (PART 1)**

Specialized Power Source

- Does the power source contain specialized technology such as (but not limited to):
  1. Wireless Power Source
  2. Capacitors
  3. PV systems

**YES**

Contact Plant Operations for Review

**NO**

**DETERMINE TYPE OF POWER SOURCE (PART 2)**

**Battery Operated**

*Note: For battery-operated medical devices as defined by the Food and Drugs Act, see Health Canada’s approval requirements.*

- Is the Battery Powered Source:
  1. Located in a hazardous place
  2. Marked as Category III or IV
  3. AND, used to test, measure or show one or more electrical quantities

**NO**

Equipment exempt from certification.

**YES**

Equipment requires ESA certification.

**Grid-Powered:**

*Note: Start by evaluating the initial power source the equipment/process.*

- Is the power source output < 100 VA OR operating voltage of < 30 V rms, 42.4 V peak OR 60 V DC

**NO**

Power Supply and ALL Equipment or Process requires ESA certification.

**YES**

- Does the power source have certification to either:
  1. CAN/CSA-C22/2 No. 60950-1: Limited Power Source (open circuit voltage less than or equal to 42.4 V DC)
  2. CAN/CSA-C22.2 No. 22.3, or both CAN/CSA C22.2 No. 66.1 and No. 66.3): Class 2 Power Sources (Output is < 100 VA AND operating voltage of < 30 V rms, 42.4 V DC)

**YES**

Further certification is not required

**NO**

Supply or process requires ESA certification.

Please Note: non-approved alterations may void the original ESA approval of the equipment and require a new evaluation.