

Non-NRTL Inspection Guidelines

Objective

To ensure that all new and legacy electrical and electronic Non-NRTL equipment is compliant with DOE standards.

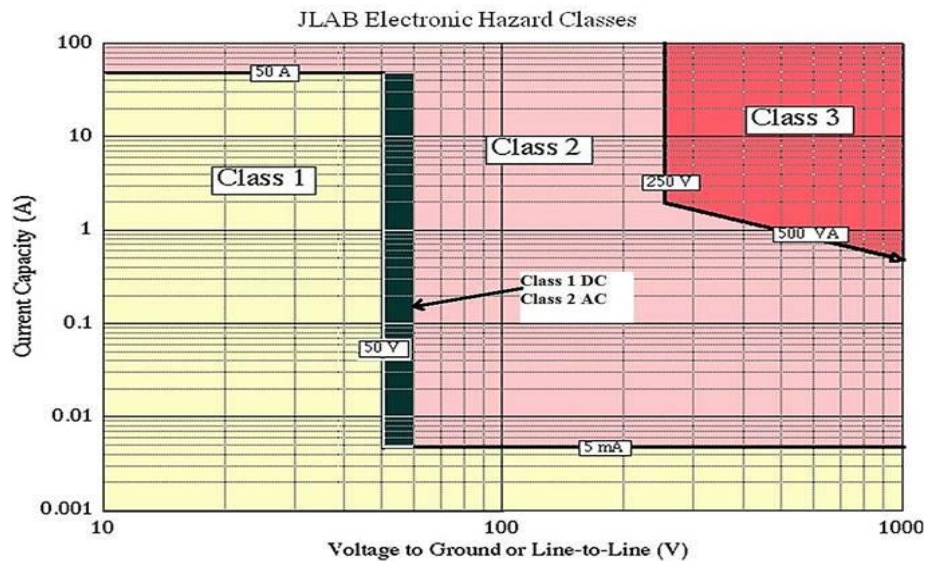
Inspection Process

Engineers/Technicians are to submit the following applicable information for electrical and electronic equipment inspections through the Non-NRTL database <https://misportal.jlab.org/equipment/registrations>

- Schematics
- Build of Materials (BOM)
- Location
- Operational Safety Procedures (OSP)
- Any other requested documentation

Class 1 Electrical Equipment - requires a field inspection after installation.

Class 2 & 3 Electrical Equipment – Stationary and Portable/mobile equipment requires a bench inspection before installation and a field inspection is required after installation for stationary equipment.



After the equipment is approved, the electrical inspector will place a QR code label on the component, a green QR code for class 1 electrical/electronic equipment and a blue QR code for class 2 & 3 electrical/electronic equipment.

The QR code information is based on information in the Non-NRTL database.



A Green QR Code
will be given to class 1
Non-NRTL Equipment



A Blue QR Code
will be given to class 2 & 3
Non-NRTL Equipment

Note

New equipment- classified as any electrical or electronic equipment that is newly designed, fabricated or modified except for the replacement of like-for-like parts in or after 2021.

Legacy equipment -classified as any electrical or electronic equipment designed, fabricated or modified in or prior to 2020.

Multiple units- multiple unit of equipment that are precisely the same, may have 1 set of documents upload for all pieces. All units must be entered separately specifying the unit's individual location.

Courtesy Inspections: Device Owners may request a courtesy inspection to verify the equipment is within the regulation standard.

References:

<https://www.jlab.org/ehs/ehsmanual/6220.htm>