

NRTL Marks for Electrical Equipment

Underwriters
Laboratories (UL)



Canadian
Standards
Association (CSA)



Factory Mutual
(FM)



User Notes

- NRTL = Nationally Recognized Testing Laboratory
- listed from most common to least
- The NRTL mark is often found near the power cord where it enters the equipment
- If it plugs into the wall at home or in the office, it should have one of these marks, otherwise, do not use it
- Teach your family and friends to look for these marks before purchase
- CE is NOT an NRTL mark



Intertek Testing
Services (ETL)



Applied Research
Laboratories (ARL)



TUV America
(TUVAM)



Communication
Certification Lab (CCL)



TUV Rheinland of
North America (TUV)



National Technical
Systems



Entela



Southwest Research
Institute (SWRI)



MET Laboratories,
Inc. (MET)



SGW U.S. Testing
Company (USTC)



NSF International
(NSF)



For more information go to:

<http://www.osha.gov/dts/otpca/nrtl/index.html>

or

<http://www.lanl.gov/safety/electrical/>

or

contact your electrical safety matter expert

Curtis-Straus LLC
(CSL)



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Electrical Equipment Observation Checklist

This checklist is meant to assist managers or ESOs during office and laboratory walk arounds.

- Does the piece of electrical equipment contain an electrical hazard (class X.2 and above)?
Note: All electrical equipment that plugs into facility power contains electrical hazards.
If the equipment does not contain an electrical hazard, and might be confusing to the worker, is the new LANL low hazard label (X.0 or X.1) applied?
- If the equipment contains an electrical hazard, is the equipment listed by an NRTL? Is the NRTL label visible to the worker? If not, is the new LANL NRTL label applied in a visible location?
- If the equipment is not NRTL listed, is the equipment approved by an ESO?
- If the equipment is approved by an ESO, is it labeled, and is the label legible?
- Is the equipment approval documentation readily available?
- Is the equipment in safe operating condition? For example, are all covers on, there is no damage to equipment, power cord is in good condition, etc.
- Is the equipment being used as it was intended?
- If the equipment is a system, or part of a system, how is it labeled?
- Do workers in the area understand and implement electrical equipment approval requirements?
This includes contacting their ESO if any new equipment is acquired, contacting their ESO if repairs or modifications are made to NRTL listed, or ESO approved electrical equipment.
- Does the equipment have adequate warning labels, such as hazards enclosed, power requirements, requirements for opening equipment? Consult with your ESO.
- Is any electrical equipment that is not in use, and not NRTL listed or approved by an ESO properly labeled with the new LANL "Do not Use" labels?
- Did you find any Unlisted, Unapproved electrical equipment in service? Notify the appropriate ESO.
- For any unlisted, unapproved electrical equipment in service, it must be (a) taken out of service, (b) blocked from access until an ESO inspects and approves the equipment, or (c) an equipment variance process must be completed and approved, with approved alternate controls to protect the workers.

Approved equipment labels for use by ESO.

Equipment Approval label used from October 1, 1999 to March 1, 2011.
This label may not be applied after March 1, 2011. Existing labels in place are valid.
Must be legible, otherwise, it must be replaced with a new label.

ELECTRICAL SAFETY APPROVED	
File No.	_____
Division / Group	_____
ESO _____	Date _____
Approved for the intended use only within the approving organization. Refer to LTR402-600-01.	

New Equipment Approval labels, available January 2010, required as of March 1, 2011.



Label recommended for NRTL listed equipment, when the NRTL mark is not readily visible



Labels recommended for low hazard electrical equipment, not requiring NRTL listing or approval.



Required label if equipment is not NRTL listed or approved, or if unsafe for use.

