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INTRODUCTION

All delivered goods must be inspected. The function of a **Quality Acceptance Inspection** is to ensure compliance with the purchase/contract for the item(s) delivered. It should verify the item(s) is/are not damaged, is operational, has no material defects, and meets the technical specifications requested. Additionally, the item(s) shall be inspected to verify that the proper **Safety Standards Label/Marking** is affixed. It is important to remember that even if a label is affixed to the equipment, the product may not meet the proper standards. A suggestion of verification is to search the item by make and model on the listing laboratory's website.

During the 2017 Session of the General Assembly, Senate Bill 16 was ratified and changed the context regarding inspections previously performed by the Department of Administration, Division of Purchase & Contract. The purpose of the bill was for regulatory relief for certain requirements. Senate Bill 16, Section 6(a); G.S. 66-25 Acceptable listings as to the safety of goods, reads as rewritten: "(c) The Department of Administration, Division of Purchase and Contract, shall not seek to enforce the provisions of subsection (a) of this section by any means, including requiring acceptance inspections or additional testing of electrical materials, devices, appliances, or equipment purchased by State departments, agencies and institutions."

QUALITY ACCEPTANCE INSPECTION (QAI)

Receiving Department

The initial inspection should be performed by the Receiving Department and should verify that the product delivered is what the college ordered. This function requires a receiving copy of the purchase order to verify line per line information of product, pricing, and that the product meets the requirements. If there is damage to the container/box, this damage should be documented. If there is damage to the product, the Receiving Office should notify the Procurement Office. The product should not be delivered to the user. The Procurement Office should contact the vendor immediately for resolution.

User

When the product is delivered to the User, the User should also inspect the product for any discrepancies or issues. The User should also inspect the product for the appropriate Safety Standards Labeling. Typically, there could be a label on the electrical cord, but there should also be a label affixed to the product.

Quality Acceptance Inspector

The Quality Acceptance (QA) Inspector can provide Quality Acceptance Inspections at the college's request. The QA Inspector can also provide training on inspection and safety standards labeling.

Inspection issues

If the product does not meet the purchase/contract specifications, including the proper Safety Standards Labeling, the Procurement Office should work with the vendor for resolution. If a resolution cannot be reached, the Procurement Office should reach out to the Division of Purchase & Contract (P&C) for further action (over your agency delegation).

SAFETY STANDARDS LABEL/MARKING

Manufactured and/or fabricated assemblies subject to operation under pressure, operation by connection to an electric source, or operation involving a connection to a manufactured, natural, or LP gas source must be labeled with an identification marking of the appropriate safety standard organization. Any product that plugs into an electrical socket or is in some other manner connected to an electrical power source must be inspected to ensure the product is properly labeled per the following North Carolina General Statutes:

§ 66-23. Sale of electrical goods regulated

Every person, firm or corporation before selling, offering for sale, assigning, or disposing of by gift as premiums or in any similar manner any electrical material, devices, appliances or equipment shall first determine if such electrical materials, devices, appliances and equipment comply with the provision of this Article.

§ 66-24. Identification marks required.

All electrical materials, devices, appliances and equipment shall have the maker's name, trademark, or other identification symbol placed thereon, together with such other markings giving voltage, current, wattage, or other appropriate ratings as may be necessary to determine the character of the material, device, appliance or equipment and the use for which it is intended; and it shall be unlawful for any person, firm or corporation to remove, alter, change or deface the maker's name, trademark or other identification symbol.

North Carolina General Statute (G.S. 66-25) states, "All electrical material, devices, appliances, and equipment shall be evaluated for safety and suitability for intended use." It is also required that the evaluation of all electrical material, devices, appliances, and equipment shall be conducted in accordance with nationally recognized standards and shall be conducted by a qualified testing laboratory (e.g., Underwriters Laboratory (UL)), or other approved qualified testing laboratory by the Commissioner of Insurance.

§ 66-25. Acceptable listings as to safety of goods.

(a) All electrical materials, devices, appliances, and equipment shall be evaluated for safety and suitability for intended use. Except as provided in subsections (b) and (c) of this section, this evaluation shall be conducted in accordance with nationally recognized standards and shall be conducted by a qualified testing laboratory. The Commissioner of Insurance, through the Engineering Division of the Department of Insurance, shall implement the procedures necessary to approve suitable national standards and to approve suitable qualified testing laboratories. The Commissioner may assign his authority to implement the procedures for specific materials, devices, appliances, or equipment to other agencies or bodies when they would be uniquely qualified to implement those procedures.

In the event that the Commissioner determines that electrical materials, devices, appliances, or equipment in question cannot be adequately evaluated through the use of approved national standards or by approved qualified testing laboratories, the Engineering Division of the Department of Insurance shall specify any alternative evaluations which safety requires.

The Engineering Division of the Department of Insurance shall keep in file, where practical, copies of all approved national standards and resumes of approved qualified testing laboratories.

Based on these provisions above, it is prohibited that a vendor sale electrical materials, devices, appliances or equipment that does not meet the safety requirements that expose the owner (college) to liability if a student, faculty member, employee or other person is injured or killed using such equipment.

It is the agency's responsibility to prohibit the purchase or use of such products as described. The agency is to ensure that each piece of equipment is sage for its intended purpose and meets the requirements of Chapter 66.

There are similar requirements for inspection and labeling of products operated or connected to gas sources or operated under pressure.

The following provisions address the statutory liability for lack of Safety Standards Labeling:

§ 66-26. Legal responsibility of proper installations unaffected.

This Article shall not be construed to relieve from or to lessen the responsibility or liability of any party owning, operating, controlling or installing any electrical materials, devices, appliances or equipment for damages to persons or property caused by any defect therein, nor shall the electrical inspector, the Commissioner, or agents of the Commissioner be held as assuming any such liability by reason of the approval of any material, device, appliance or equipment authorized herein.

§ 66-27. Violation made misdemeanor.

Any person, firm or corporation who shall violate any of the provisions of this Article shall be guilty of a Class 2 misdemeanor.

PRODUCT INSPECTION LIST BY COMMODITY AND MINIMUM PURCHASE VALUE

Commodity Category	Commodity Code	Inspection Required	Included, but not limited to
Shop/Lab/Training Equipment			
Air Compressors	401516	Over \$5,000	Portable, Stationary
Automotive and Body Shop Equipment	251917, 251918, 2714**	Over \$5,000	Alignment, Brake Equipment, Spray Booths, Test Equipment, Dump, Hydraulic lifts, Compressors
Generators - Gas, Diesel, Electric	261116	Over \$5,000	Portable, Stationary
HVAC, Hydraulic, Pneumatic, Weight Training Equipment	2712*, 2713**, 4010**, 492016	Over \$5,000	HVAC, Hydraulic, Pneumatic, Weight Training Equipment
Lab Equipment	4110**, 4111**, 411516, 411915, 421215, 421515-16, 421520, 421522-23, 4216**, 421816-19, 421823-34, 421922-23, 4220**, 422715-17, 422721-22, 422815, 422817, 422820	Over \$5,000	Medical, Dental, EMS, School, Shop
Machine Shop Equipment	2324**, 2325**, 2329**, 241017, 271515	Over \$5,000	Lathes, Milling, Drill Press, Grinders, Measuring Equipment, Conveyors
Welding Shop Equipment	2327**	Over \$5,000	Stick, MIG, TIG, Booths, Virtual Reality, Hoods
Other Related Shop Equipment	23****	Over \$10,000	Uncategorized or Miscellaneous Equipment
Vehicles and Outdoor Power Equipment			
Agriculture, Lawn, Farm Equipment	211015-22	Over \$5,000	Tractors, Mowers, Trailers, Implements
Diesel or Gasoline Powered Equipment	2210**	Over \$5,000	Any Equipment powered by Diesel or Gasoline motor, including Marine
Licensed Vehicles	2510**, 251816	Over \$10,000	Any Customized Chassis, Boom Trucks, Batmobile, Campus Business Enclosed Trailers,
(Non-Central Motor Fleet) Lift Equipment	2410**	All	Emergency Equipment Fork Trucks, Boom Trucks, Scissor Lifts
Marine Equipment	2511**	Over \$10,000	Boats, Outboard Motors, Trailers
Off Road Vehicles	251019	Over \$5,000	Golf Carts, GEM Cars, Gators, Mules, Power Sweepers
Trailers	251817	Over \$10,000	Open, Closed, Flatbed
Building/Facility Equipment	<u>'</u>	1	
Appliances	2413**, 5214**	Over \$10,000	Dishwasher, Washer, Dryer, Refrigeration, Chillers, Ovens, Mixers, Warmers, Freezers
Audio-Visual Equipment	4511**, 4617**, 5216**	Over \$10,000	Sound System, Security System, Projectors, Video Components
Auditorium Seating	561123	Over \$10,000	With or Without note taking attachment
Bleachers	951315	All	Indoor, Outdoor, Portable
Carpet and Flooring (Wood or Tile)	301617	Over \$10,000	Carpet, Ceramic Tile, Vinyl Tile, Hardwood, VCT, LVT
Cosmetology, Barber Equipment	561218	All	Chairs, Sinks, Cabinetry, Mirrors, Massage Table, Facial or Manicure Chairs, Other Related Equipment
Fencing	301520	All	PVC, Chain Link, Iron
Filing System	561217	Over \$10,000	Automated, Stationary
Furniture	421217, 421517, 421918-21, 421927, 422617, 5610**, 5611**, 5612**	Over \$10,000	Office, Classroom, Hospital, Library, Lab, Dormitory
Laundry and Dry Cleaning	4711**	Over \$10,000	Washers, Dryers, Steam Presses and Other Cleaning Equipment
Library Detection System		All	Security System
Lockers		Over \$10,000	Wall Mount, Free Standing
Modular Storage Buildings, Greenhouses	951316-17, 9514**	Over \$10,000	If foundation or structural assembly is not required
Panel Wall Divider (Cubicles)	301624, 561116	All	Freestanding, Fixed
Stage Curtains		Over \$10,000	Retractable, Permanently Fixed
Window/Wall Treatments, Blinds	5213**	Over \$10,000	Curtains, Shades, Sun Screens, Blinds, Drapes
Items on State Term Contract not listed above		Over \$10,000	If total purchase is greater than \$10,000 (exclusive of installation)

Approved Laboratories and Equipment Categories

North Carolina Department of Insurance (NCDOI) has identified a list of approved laboratories per equipment category (as of March 2018). The approved laboratories and equipment categories are provided in the next few pages. However, to find the most up-to-date list, refer to the NCDOI website.

THIRD-PARTY AGENCIES ACCREDITED BY THE NCBCC TO LABEL FLECTRICAL AND MECHANICAL **EQUIPMENT**

Applied Research Laboratories

5371 Northwest 161st Street, Miami, Florida 33014

(305) 624-4800

Equipment Categories

Αll

12 & 30

All except 21

17, 18, 21, 24, 25

17 & 18

Equipment Categories

12, 14, 15, 22, 24, 31, 43

178 Rexdale Boulevard, Toronto, Ontario, Canada M9W 1R3

(416) 747-2798

CSA International

Curtis-Straus Equipment Categories 7, 26-28

527 Great Road, Littleton, Massachusetts 01460

(978) 486-8880 x 296

FM Approvals LLC Equipment Categories

PO Box 9102, Norwood, Massachusetts 02062 4, 5, 9, 13, 17, 19, 24, 28, 31, 32, 39, 43, 47-51

(781) 762-4300

IAPMO EGS Equipment Categories

5001 East Philadelphia Drive, Ontario, California 91761

(909) 472-4100

Intertek Testing Services ITS-ETL Equipment Categories

3933 US Route 11, Cortland, New York 13045-2014

(607) 753-6711

Intertek Testing Services ITS-Warnock Equipment Categories

3933 US Route 11, Cortland, New York 13045-2014

(607) 753-6711

LabTest Certification, Inc. **Equipment Categories**

#112-3255 Pepper Lane, Las Vegas, Nevada 89120

(702) 269-0578

MET Laboratories Equipment Categories

901 Sheldon Drive, Cary, North Carolina 27513 (919) 481-9319

7, 10-16, 18, 22, 23, 26-31, 37-40, 43, 44, 47, 48, 50

National Technical Systems (NTS)

533 Main Street, Acton, Massachusetts 01720

(978) 263-2933

26, 27, 28

NEMKO North America, Inc. Equipment Categories

2210 Faraday Avenue, Suite 150, Carlsbad, California 92008 (760) 444-3500

6-16, 22, 23, 26-31, 40, 43, 47, 48

Equipment Categories

NSF International

789 North Dixboro Road, Ann Arbor, Michigan 48105-9723

(734) 769-8010

Equipment Categories

11-16, 26-31, 40, 43, 48

Omni-Test Laboratories

13327 NE Airport Way, Portland, Oregon 97230

(503) 643-3788

Equipment Categories 17, 18, 21

PFS Corporation

1507 Matt Pass, Cottage Grove, Wisconsin 53527

(608) 839-1013

Equipment Categories

17, 21, Replacement Blowers & Coils

QPS Evaluation Services, Inc.

1501 Valley Creek Drive, Hillsborough, North Carolina 27278

(919) 414-5381

Equipment Categories

6-12, 14-16, 22, 23, 26-29, 31, 36, 39, 40, 43, 46-48, 50, 51

RADCO

3220 East 59th Street, Long Beach, California 90805

(310) 272-7231

Equipment Categories

17, 18, Replacement blowers & coils

Salus Engineering International

3004 Scott Boulevard, Santa Clara, California 95054

(408) 235-8831

Equipment Categories

16, 28, 37, 43, 50

SGS Consumer Testing Services

620 Old Peachtree Road, Suite 100, Suwanee, Georgia 30024

(770) 570-1800

Equipment Categories

1-5, 9-16, 22, 26-31, 33, 35-41, 43, 47-48, 50-51

Southwest Research Institute

6220 Culebra Road, San Antonio, Texas 78238-5166

(210) 684-5111

Equipment Categories

4

TUV SUD America

10 Centennial Drive, Peabody, Massachusetts 01960

(978) 573-2530

Equipment Categories

4-8, 10-20, 22, 23, 26-29, 31, 35, 36, 38, 39, 43, 46-48, 50

TUV Rheinland of North America

762 Park Avenue, Youngsville, North Carolina 27596

(919) 554-3668

Equipment Categories

7-9, 11-14, 16, 26-29, 31, 40, 43, 47-48, 50

Underwriters Laboratories, Inc.

12 Laboratory Drive, RTP, North Carolina 27709

(919) 549-1400

Equipment Categories

Αll

EQUIPMENT CATEGORIES

- 1. Conductors for General Wiring
- 2. Flexible Cords
- 3. Wires and Cables for Special Applications
- 4. Materials and Components for Special Applications
- 5. Alarm Signal and Detecting System Components
- 6. CATV and Radio Distribution System Components
- 7. Communication System Components
- 8. Radio and Television Components
- 9. Energy Management System Components and Controllers
- 10. Sound Recording and Reproduction Equipment
- 11. Fixed Office Appliances and Business Equipment
- 12. Electrical Appliances
- 13. Electric Space Heating Equipment and Accessories
- 14. Air Conditioning Equipment and Accessories
- 15. Heat Pump Equipment and Accessories
- 16. Refrigeration Equipment and Accessories
- 17. Gas Fired Heating Equipment and Accessories
- 18. Gas Fired Appliances
- 19. Oil Fired Heating Equipment and Accessories
- 20. Oil Fired Appliances
- 21. Solid Fuel Heating Equipment
- 22. Fans and Ventilators
- 23. Filtering Equipment
- 24. Duct Materials Including Dampers
- 25. Chimneys and Vents
- 26. Electrical Data Processing Equipment
- 27. Medical, Dental, and X-Ray Equipment
- 28. Laboratory Equipment, Electrical Measuring, and Testing Equipment
- 29. Food Preparation Machines
- 30. Swimming Pool and Spa Equipment
- 31. Miscellaneous Fixed Equipment Amusement Machines, Animal Care, Appliances Battery Chargers, Cleaning Machines, etc.
- 32. Fire Extinguishing Equipment
- 33. Circuit Breakers
- 34. Fuses
- 35. Wiring Devices, Attachment Plugs and Toggle Switches
- 36. Switches and Switching Devices Other than Toggle
- 37. Panelboards
- 38. Switchboards
- 39. Transformers
- 40. Electrical Signs and Accessories
- 41. Ground-Fault Circuit Interrupters
- 42. Ground-Fault Sensing and Relaying Equipment
- 43. Industrial Control Equipment Motor Controllers, Industrial Control Panels, Motor Control Centers, Motorized Valves, Solenoids, etc.
- 44. Transient Voltage Surge Suppressors and Filters
- 45. Lightning Protection System Components and Lightning Protection Devices
- 46. Metering Enclosures and Meter Sockets
- 47. Emergency Lighting and Power Equipment System Components
- 48. Lighting Fixtures, Lamp Holders, and Accessories
- 49. Auxiliary Gutters, Junction, Pull and Outlet Boxes, and Cabinets and Cutout Boxes
- 50. Electrical Equipment for Hazardous Locations
- 51. Grounding and Bonding Equipment
- 52. Wire Connectors, Lugs, and Terminal Fittings
- 53. Insulating Tape and Closures

THIRD-PARTY LABORATORIES CERTIFICATION MARKS AND LABELS

The following chart identifies most of the marks and labels used by Third-Party Laboratories approved by the NCDOI. Some labs may have additional marks, and many of the labs have marks approved for use in other jurisdictions, but not in the United States. To find the most up-to-date information about a lab's certification markings, please follow the link associated with the lab's name. A chart containing some non-approved labels follows the chart of approved labels. If you have any questions about the authenticity of any mark, please contact a QA Inspector.

APPROVED CERTIFICATION MARKINGS/LABELS

APPROVED LAB	CERTIFICATION MARKING
Applied Research Laboratories	ALL
CSA Group Testing and Certification, Inc.	R NRTL/C R US NRTL/C
Curtis-Straus LLC	US C US
FM Approvals (FM)	APPROVED APPROVED APPROVED FM FM

International Association of Plumbing and Mechanical Officials EGS (IAPMO)	NRTL B IAPMO EGS US NRTL IAPMO EGS US US US
Intertek Testing Services - ETL	Intertek Intertek
Intertek Testing Services - Warnock Hersey	Intertek Intertek
LabTest Certification, Inc.	_c (LC) _{us}
MET Laboratories, Inc. (MET)	MET WETUSTED MET
National Technical Systems, Inc. (NTS)	o os cous
NEMKO North America, Inc. (NNA)	c Nemko us

NSF International (NSF)	NSF. NSF.
Omni-Test Laboratories	O-TL Use Not for O-TL
PFS-TECO Corporation	PFS TECO
QPS Evaluation Services Inc (QPS)	PS US C PS US Certified Certified
RADCO	RADEO - CERTIFICATION - LIZTING - TEZTING - INJRECTION
Salus Engineering International	Field-evaluated marking
SGS Consumer Testing Services	SGS PRODUCT SAFETY www.safety.sgs.com

TÜV SÜD America, Inc.	TÜV SÜD NRTL C SÜD US
TÜV Rheinland of North America, LLC	TÜVRheinland c Us TÜVRheinland us Us
Underwriters Laboratories Inc. (UL)	CERTIFIED SMERT/US OF E12345 STATEMENT OF THE PROPERTY OF TH

NON-APPROVED AND UNACCEPTABLE LABELS/MARKINGS

AGENCY	MARKING	NOTES
CSA International		Mark without any country specified or with only "c" subscript (Canadian standard) is not accepted in the U.S.
Intertek	Intertek	Superscript "EU" shows this mark is approved for EU only
Product Safety mark for European Union (EU)	CECE	Based on manufacturer's or importer's self-certification of compliance
Product safety mark for China		Based on manufacturer's self- certification of compliance
Product safety mark for Mexico	NOM	Based on manufacturer's self- certification of compliance

These are examples only. As a rule, if the mark or label has a subscript for any jurisdiction, and it does not also indicate "US" or "NRTL"—or it is not a mark or label from one of the approved third-party labs—then it is **not acceptable**. If you have any question about whether a particular label is acceptable, please contact the QA inspector.

QUALITY ACCEPTANCE INSPECTION REPORT

Below is an example of the Quality Acceptance Inspection Report that will be used by the QA Inspector.

QUALITY ACCEPTANCE INSPECTION REPORT

Purchase	ORDER (PO) #:		Vendor Nam	IE:			
DELIVERY S	LIP / INVOICE #:		LOCATIO	N:			
DATE ITE	м(s) Received:		Purchasing Agen	т:			
PO LINE ITEM#		ITEM DESCRIPTION	TESTING METHOD OBSERV		T RESULT	PASS	/ FAIL
			Т	otal Q	uantity Failed		
DESCRIPT	ION OF NONC	ONFORMANCE(S)					
INSPECTION	ON		I				
Date of In			Inspection:	Pass		Fail	
RE-INSPE	CTION (if initial	inspection failed)					
Date of Re	e-Inspection:		Re-Inspection:	Pass		Fail	

- NC Government Agencies/Institutions/Community Colleges and Universities are to inspect and assure that all equipment received and projects completed meet all Federal, State and Local Health and Safety Requirements.
- All goods received must meet terms specified in Statewide Term Contracts.
- Invoices will not be paid until an inspection completed by the using agency receives a "pass inspection" result.

	PRINTED NAME	SIGNATURE	DATE
Inspected by			
Re-Inspected by (if initial inspection failed)			
Procurement Acknowledgment			

QUALITY ACCEPTANCE INSPECTION CHECKLIST

Below is an example of the Quality Acceptance Inspection Checklist that will be used by the QA Inspector.

QUALITY ACCEPTANCE INSPECTION CHECKLIST

(Subject to modifications when required due to change in requirements)

PO# & LINE ITEM #	Yes	No	N/A
Is equipment operational?			
If no, vendor shall repair, at vendors' cost, prior to passing inspection.			
Is equipment free of damage and material defects?			
If no, vendor shall repair, at vendors' cost, prior to passing inspection.			
Does equipment match the specifications requested in the IFB?			
If no, vendor shall repair, at vendors' cost, prior to passing inspection.			
Is equipment required to have a Safety Standards Label/Marking?			
If yes, does equipment meet this requirement?			
If no, vendor shall repair, at vendors' cost, prior to passing inspection.			
Agency:			
Model/ID #:			
Is the vendor responsible for installation per IFB?			
If yes, was installation completed to department's satisfaction?			
If no, vendor shall repair, at vendors' cost, prior to passing inspection.			
		•	
FURNITURE			
Did vendor place and secure fasteners in each fastener hole?			

FURNITURE		
Did vendor place and secure fasteners in each fastener hole?		
If no, vendor shall repair, at vendors' cost, prior to passing inspection.		
Are the seams of the furniture smooth?		
If no, vendor shall repair, at vendors' cost, prior to passing inspection.		
Are there rough spots under the edge of tables?		
If yes, vendor shall repair, at vendors' cost, prior to passing inspection.		
Does the furniture contain fabric?		
Any furniture with fabric must be labeled with the California Bureau of Home Furnishings 117 for flame retardant verification.		
Does the furniture have the California Bureau of Home Furnishings 117?		
If no, a copy of the manufacturer certification may be accepted, indicating compliance with		
California Bureau of Home Furnishings 117.		

VEHICLES (Vehicles and Other Motorized Vehicles Such as Golf Carts)		
Does vehicle have all of these and are they functioning correctly?		
If any items are non-functional, vendor shall repair, at vendors' cost, prior to passing inspection.		
Horn		
Signals		
Back-up Notification		
Headlamps		
Stop Lamps		
Turn Signals		
Tail Lamps		
Reflectors		
Parking Brake		
Mirrors		

Department must also notify CPCC's Enterprise Risk Management Department to ensure appropriate insurance coverage is maintained.

REVISION HISTORY

Revision	Effective Date	Changes
0	7/1/2020	Initial Document