

previously accepted product. An example is the substitution of a comparable switch from a different manufacturer.

For major changes or new products the client must submit a sample and all documentation to UL for review. Depending upon the situation, UL may determine that the nature of the change and experience with the client and testing associated are such that additional verification testing is not necessary. In this situation, UL will authorize the use of the listing mark.

UL may determine that immediate verification testing is not needed. In this situation, the authorization to use the Listing mark is given but verification testing is conducted later. In all cases, verification testing is conducted for new products. In all situations where verification testing is needed, if correlation does not exist, the listing marks must be removed.

The follow-up program and engineering department audits are the same as with CTDP, and an additional audit of the client's quality system is performed. Both CDTP and COMPASS involve UL making a determination of the compliance of the product with the standard at some point in the process. (See Ex. 2B, Research Triangle Park and Santa Clara Reports, Section 11).

Total Certification Program (TCP)—This program parallels the manufacturer and UL in a combined evaluation of products. This is in contrast to the sequential process that is used under the COMPASS program where the manufacturer tests and evaluates and then submits the information to UL.

The program involves the testing and evaluation of a product by the manufacturer, and also the manufacturer's determination of compliance with a standard. The manufacturer is subject to continuous involvement with UL throughout the design and production of the product. UL conducts regular audits throughout the process including verification testing. Similar to the COMPASS program, the manufacturer must qualify for this program by demonstrating the ability to test and evaluate a product and it must have a viable quality assurance program, in addition to having the personnel and equipment to provide creditable results. In all cases, it is UL who authorizes the use of the listing mark. The manufacturer is audited four times a year by the UL engineering staff, and twice a year the manufacturer's quality assurance program is reviewed. Follow-up inspectors continue to conduct follow-ups.

Final Decision and Order

Based upon a preponderance of the evidence resulting from an examination of the complete application, the supporting documentation, and the OSHA staff finding including the on-site reports, OSHA finds that Underwriters Laboratories, Inc. has met the requirements of 29 CFR 1910.7 to have its recognition renewed by OSHA as a Nationally Recognized Testing Laboratory to test and certify certain equipment or materials.

Pursuant to the authority in 29 CFR 1910.7, Underwriters Laboratories', Inc. recognition as a Nationally Recognized Testing Laboratory is hereby renewed subject to the conditions listed below. This recognition is limited to equipment or materials which, under 29 CFR part 1910, require testing, listing, labeling, approval, acceptance, or certification, by a Nationally Recognized Testing Laboratory. This recognition is limited to the use of the following test standards for the testing and certification of equipment or materials included within the scope of these standards.

UL has stated that all the standards in these categories are used to test equipment or materials which may be used in environments under OSHA's jurisdiction. These standards are all considered appropriate test standards under 29 CFR 1910.7(c):

- ANSI Z21.1b—Household Cooking Gas Appliances
- ANSI Z21.5.1—Gas Clothes Dryers—Type 1
- ANSI Z21.5.2—Gas Clothes Dryers—Type 2
- ANSI Z21.10.1—Gas Water Heaters—Automatic Storage Type Water Heaters with Inputs of 70,000 Btu Per Hour or Less
- ANSI Z21.10.2—Water Heaters—Sidearm Type Water Heaters
- ANSI Z21.10.3—Water Heaters—Circulating Tank, Instantaneous and Large Automatic Storage Type Water Heaters
- ANSI Z21.11.1—Gas-Fired Room Heaters—Vented Room Heaters
- ANSI Z21.11.2—Gas-Fired Room Heaters—Unvented Room Heaters
- ANSI Z21.12—Listing Requirements for Draft Hoods
- ANSI Z21.13—Gas-Fired Low-Pressure Steam and Hot Water Heating Boilers
- ANSI Z21.14—Approval Requirements for Industrial Gas Boilers
- ANSI Z21.15—Manually Operated Gas Valves
- ANSI Z21.16—Gas Unit Heaters
- ANSI Z21.17—Domestic Gas Conversion Burners
- ANSI Z21.18—Gas Appliance Pressure Regulators
- ANSI Z21.19—Refrigerators Using Gas Fuel
- ANSI Z21.20—Automatic Gas Ignition Systems and Components
- ANSI Z21.21—Automatic Valves for Gas Appliances
- ANSI Z21.22—Relief Valves and Automatic Gas Shutoff Devices for Hot Water Supply System
- ANSI Z21.23—Gas Appliance Thermostats
- ANSI Z21.29—Listing Requirements for Furnace Temperature Limit Controls and Fan Controls
- ANSI Z21.35—Gas Filters on Appliances
- ANSI Z21.37—Approval Requirements for Dual Oven Type Combination Gas Ranges
- ANSI Z21.40.1—Gas-Fired Absorption Summer Air Conditioning Appliances
- ANSI Z21.41—Quick-Disconnect Devices for Use with Gas Fuel
- ANSI Z21.42—Gas-Fired Illuminating Appliances
- ANSI Z21.44—Gas-Fired Gravity and Fan Type Direct Vent Wall Furnaces
- ANSI Z21.45—Flexible Connectors of Other Than All-Metal Construction for Gas Appliances
- ANSI Z21.47—Gas-Fired Gravity and Forced Air Central Furnaces
- ANSI Z21.48—Gas-Fired Gravity and Fan Type Floor Furnaces
- ANSI Z21.49—Gas-Fired Gravity and Fan Type Vented Wall Furnaces
- ANSI Z21.53—Gas-Fired Heavy Duty Forced Air Heaters
- ANSI Z21.54—Gas Hose Connectors for Portable Outdoor Gas-Fired Appliances
- ANSI Z21.55—Gas-Fired Sauna Heaters
- ANSI Z21.56—Gas-Fired Pool Heaters
- ANSI Z21.58—Outdoor Cooking Gas Appliances
- ANSI Z21.61—Gas-Fired Toilets
- ANSI Z21.64—Direct Vent Central Furnaces
- ANSI Z21.66—Automatic Vent Damper Devices for Use With Gas-Fired Appliances
- ANSI Z21.69—Connectors for Movable Gas Appliances
- ANSI Z21.74—Portable Refrigerators for Use With HD-5 Propane Gas
- ANSI Z21.76—Gas-Fired Unvented Catalytic Room Heaters for Use With Liquefied Petroleum (LP) Gases
- ANSI Z83.3—Gas Utilization Equipment in Large Boilers
- ANSI Z83.4—Direct Gas-Fired Make-Up Air Heaters
- ANSI Z83.6—Gas-Fired Infrared Heaters
- ANSI Z83.8—Gas Unit Heaters
- ANSI Z83.9—Gas-Fired Duct Furnaces
- ANSI Z83.10—Separated Combustion System Central Furnaces
- ANSI Z83.11—Gas Food Service Equipment—Ranges and Unit Broilers
- ANSI Z83.12—Gas Food Service Equipment—Baking and Roasting Ovens
- ANSI Z83.13—Gas Food Service Equipment—Deep Fat Fryers
- ANSI Z83.14—Gas Food Service Equipment—Counter Appliances
- ANSI Z83.15—Gas Food Service Equipment—Kettles, Steam Cookers, and Steam Generators
- ANSI Z83.16—Gas-Fired Unvented Commercial and Industrial Heaters
- ANSI Z83.17—Direct Gas Fired Door Heaters
- ANSI Z83.18—Direct Gas Fired Industrial Air Heaters
- ANSI/UL 1—Flexible Metal Conduit
- ANSI/UL 3—Flexible Nonmetallic Tubing for Electric Wiring