



## INFORMATION TECHNOLOGY (IT) EQUIPMENT

These product category descriptions are to be used in conjunction with the “Overview of ARL’s Listing, Labeling and Follow-Up Inspection Services” (LSc001) which details ARL’s system requirements for obtaining a listed product certification.

*This includes the following subcategories:*

- **Information Technology Equipment – Safety**

### **Information Technology Equipment – Safety**

This category includes mains-powered or battery-powered information technology equipment, including electrical business equipment and associated equipment, with a RATED VOLTAGE not exceeding 600 V and designed to be installed in accordance with the National Electrical Code, NFPA 70-2014; and the National Electrical Safety Code, IEEE C2-2012.

This category also includes equipment, unless otherwise identified by a marking or instructions, designed to be installed in accordance with Article 645 of the National Electrical Code, ANSI/NFPA 70, and the Standard for the Protection of Information Technology Equipment, NFPA 75-2013.

This category also includes such information technology equipment:

- Designed for use as telecommunication terminal equipment and TELECOMMUNICATION NETWORK infrastructure equipment, regardless of the source of power;
- designed and intended to be connected directly to, or used as infrastructure equipment in, a CABLE DISTRIBUTION SYSTEM, regardless of the source of power;
- designed to use the AC MAINS SUPPLY as a communication transmission medium (see Clause 6, Note 4 and 7.1, Note 4).

This category is also applicable to:

- Components and subassemblies intended for incorporation in this equipment. Such components and subassemblies need not comply with every requirement of the reference standard, provided that the complete equipment, incorporating such components and subassemblies, does comply;
- external power supply units intended to supply other equipment within the scope of the reference standard;
- accessories intended to be used with equipment within the scope of this part of the reference standard.

This category may include the electronic parts of equipment even if that equipment does not wholly fall within its scope, such as large-scale air conditioning systems, fire detection systems and fire extinguishing systems. Different requirements may be necessary for some applications.

Examples of equipment that is in the scope of this standard are:

- banking equipment
- monetary processing machines including automated teller (cash dispensing) machines (ATM)
- data and text processing machines and associated equipment
- data preparation equipment, data processing equipment, data storage equipment, personal computers, plotters, printers, scanners, text processing equipment, visual display units
- data network equipment
- bridges, data circuit terminating equipment, data terminal equipment, routers
- electrical and electronic retail equipment
- cash registers, point of sale terminals including associated electronic scales
- electrical and electronic office machines
- calculators, copying machines, dictation equipment, document shredding machines, duplicators, erasers, micrographic office equipment, motor-operated files, paper trimmers (punchers, cutting machines, separators), paper jogging machines, pencil sharpeners, staplers, typewriters
- other information technology equipment
- photo printing equipment, public information terminals, multimedia equipment
- postage equipment
- mail processing machines, postage machines
- telecommunication network infrastructure equipment
- billing equipment, multiplexers, network powering equipment, network terminating equipment, radio base stations, repeaters, transmission equipment, telecommunication switching equipment
- telecommunication terminal equipment
- facsimile equipment, key telephone systems, modems, PABXs, pagers, telephone answering machines, telephone sets (wired and wireless)

This list is not intended to be comprehensive, and equipment that is not listed is not necessarily excluded from the scope.

Equipment complying with the relevant requirements for this category is considered suitable for use with process control equipment, automatic test equipment and similar systems requiring information processing facilities. However, the reference standard for this category does not include requirements for performance or functional characteristics of equipment.

Requirements additional to those specified in this category may be necessary for:

- Equipment intended for operation in special environments (for example, extremes of temperature; excessive dust, moisture or vibration; flammable gases; and corrosive or explosive atmospheres);
- electromedical applications with physical connections to the patient;
- equipment intended to be used in vehicles, on board ships or aircraft, in tropical countries, or at altitudes greater than 2 000 m;
- equipment intended for use where ingress of water is possible; for guidance on such requirements and on relevant testing, see Annex t.

This category does not include:

- Power supply systems which are not an integral part of the equipment, such as motor-generator sets, battery backup systems and distribution transformers;
- building installation wiring;
- devices requiring no electric power.

Battery backup systems that are not an integral part of stationary equipment, such as provided in separate cabinets, are subjected to the appropriate standard for the battery backup systems, such as the Standard for Batteries for Use in Light Electric Rail (LER) Applications and Stationary Applications, UL 1973.

These products comply with ARL requirements which include applicable sections of **IEC/EN/CSA/UL 60950-1 Information Technology Equipment – safety – part 1.**

Each listed product is marked with the name or trademark of the (manufacturer) or vendor, a distinctive type, style, model or catalog designation, date code, electrical ratings, electrical hazard warnings, and other markings and cautionary warnings as required for specific types of products.

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A product that contains features, characteristics, components, materials, or systems new or different from those covered by the requirements of the standard, and that involve a risk of fire, electric shock, or injury to persons, have been evaluated using the appropriate additional component and end-product requirements as determined necessary to maintain the acceptable level of safety as originally anticipated by the intent of the standard. A product whose features, characteristics, components, materials, or systems conflict with specific provisions of the standard have been judged to be in non-compliance with the standard.

Only products which properly bear the ARL Listing Mark (Label) are considered Listed by ARL.