

Australian guidelines: What needs testing?

The Standard specifies procedures for the safety inspection and testing of low voltage single phase and poly-phase (e.g. nominal 240V and 415V) electrical equipment, connected to the electrical supply by a flexible cord, which is new equipment placed into service for the first time, is already in-service, has been serviced or repaired, is returning to service from a second-hand sale, or is available for hire.

The Standard also specifies procedures for Residual Current Devices / Safety Switches.

The Standard notes a number of exemptions including;

1.1.1 This Standard does not apply to electrical equipment (such as suspended light fittings), at a height of 2.5m or greater above the ground, floor or platform, where there is not a reasonable chance of a person touching the equipment and, at the same time, coming into contact with earth or any conducting medium which may be in electrical contact with earth or through which a circuit may be completed to earth.

1.1.2 This Standard does not apply to equipment which would need to be dismantled to perform the inspection and tests specified in this Standard.

NOTE If, for some reason outside the scope of this Standard, equipment must be dismantled to verify safety, this action must be performed by a technically qualified person.

1.1.3 Functional checks are not considered part of a safety evaluation and therefore not included in this Standard.

1.1.4 This Standard only applies to equipment in-service at a place of work or public place, or offered for hire.

NOTE For example, this Standard does not apply to demonstration stock in retail or wholesale outlets.

1.1.5 This Standard does not apply to fixed or stationary equipment connected to wiring that forms part of the electrical installation and falls within the scope of AS/NZS 3000.

1.1.6 This Standard does not apply to equipment whose nature is that of a medical device as defined in AS/NZS 3551.

Examples of common electrical appliances that would require testing;

Computers, printers, monitors, photocopiers, fax machines, power tools (drills, saws, grinders, compressors etc), battery chargers, desk-top lamps, vacuum cleaners, floor polishers, extension leads, power boards, TV's, radios, some air conditioners, refrigerators, portable flood lights, heaters, jugs, toasters, hand dryers, washing machines, radio transmitters, modems, CD players etc.

[source - "Wikipedia - Test and Tagging"](#)

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