

Australian/New Zealand Standard™

Collection, storage, transport and treatment of end-of-life electrical and electronic equipment



AS/NZS 5377:2013

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The following are represented on Committee EV-019:

Airconditioning & Refrigeration Equipment Manufacturers Association of Australia
Association of Accredited Certification Bodies
Australian Council of Recyclers
Australian Industry Group
Australian Information Industry Association
Australian Local Government Association
Australian Mobile Telecommunications Association
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EV-019, E-waste.

The objective of this Standard is to provide guidance and specify requirements for the safe and environmentally sound collection, storage, transport and treatment of end-of-life electrical and electronic equipment in order to maximize re-use and material recovery; reduce or eliminate the amount of waste from this equipment going to final disposal operations such as landfill; safeguard worker health; and minimize harm to the environment.

This Standard is designed with the principles of ecological sustainable development in mind, including lifecycle assessment, the precautionary principle and the principle of due diligence. Operations involved in the collection, storage, transport and treatment of electrical and electronic products, whether it be for re-use of parts or recycling purposes, are encouraged to understand all obligations and take all reasonable and practicable steps to ensure that these products are managed in a manner that will protect human health and the environment against the adverse effects that may result from such wastes. Lack of full scientific certainty should not be used as a reason for postponing feasible measures to prevent environmental degradation or adverse health and safety effects.

This Standard recognizes that there are general laws in place regulating how to comply with occupational health and safety requirements and environmental performance. This Standard also recognizes that Australia and New Zealand are signatories to international agreements regarding the environmentally sound management of hazardous and other wastes, and elimination of pollutants. The intention is not to cut across the law, but enhance the legislation and international obligations. If there is any doubt as to a potential conflict between the law and this Standard, professional advice should be sought.

The terms 'normative' has been used in this Standard to define the application of the appendix to which it applies. A 'normative' appendix is an integral part of a Standard.

Statements expressed in mandatory terms in footnotes to tables are deemed to be requirements of this Standard.

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STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Australian/New Zealand Standard**Collection, storage, transport and treatment of end-of-life electrical and electronic equipment**SECTION 1 SCOPE, OBJECTIVE,
APPLICATION AND GENERAL
REQUIREMENTS**1.1 SCOPE**

This Standard sets out principles and minimum requirements for the safe and environmentally sound collection, storage, transport and treatment of end-of-life electrical and electronic equipment in order to maximize re-use and material recovery, reduce or eliminate the amount of waste from this equipment going to final point of disposal operations such as landfill, safeguard worker health, and minimize harm to the environment. This Standard covers electrical and electronic equipment, as outlined in Appendix A, designed for a supply voltage not exceeding 1000 volts for alternating current and 1500 volts for direct current.

1.2 OBJECTIVE

The purpose of this Standard is to—

- (a) provide collection, storage, transport and recycling facilities with guidance and minimum requirements for handling, transporting, resource recovery and disposal of end-of-life electrical and electronic equipment, diverting it from landfill;
- (b) assist collection, storage, transport and recycling facilities to develop, implement and maintain management processes; and
- (c) give confidence to parties and stakeholders of the benchmarks against which to gauge performance of collection, storage, transport and recycling facilities.

1.3 APPLICATION

This Standard is intended to be used by parties involved in the collection, storage, transport, and treatment of end-of-life electrical and electronic equipment.

This Standard is intended to be read in conjunction with the relevant legal and other requirements for occupational health and safety and environmental performance.

1.4 DEFINITIONS

For the purpose of this Standard, the definitions below apply.

1.4.1 Assembly

A number of electronic components (i.e., ‘circuit elements’, ‘discrete components’, ‘integrated circuits’, etc.) connected together to perform specific functions, replaceable as an entity and normally capable of being disassembled.

1.4.2 Batch

Manual or mechanical processing of a definite and well-defined amount of e-waste or fractions thereof to determine the yields and compositions of the resulting output fractions and treatment performance in material recovery and removal of hazardous waste.

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