

AS 5377:2022



Management of electrical and electronic equipment for re-use or recycling



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- Association of Accredited Certification Bodies
- Australia and New Zealand Recycling Platform (ANZRP)
- Australian Battery Recycling Initiative
- Australian Council of Recycling
- Australian Industry Group
- Australian Information Industry Association
- Australian Mobile Telecommunications Association
- Better Regulation Division (Fair Trading, Safework NSW, TestSafe)
- Clean Energy Council
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- EPA South Australia
- Joint Accreditation System of Australia and New Zealand
- Lighting Council Australia
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Preface

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee EV-019, E-waste, to supersede AS/NZS 5377:2013, *Collection, storage, transport and treatment of end-of-life electrical and electronic equipment*.

After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this document as an Australian Standard rather than an Australian/New Zealand Standard.

The objectives of this document are to —

- (a) prioritize the diversion of electrical and electronic equipment from landfill and maximize resource recovery in accordance with the waste management hierarchy;
- (b) provide guidance and minimum requirements for the collection, storage, preparation for re-use, treatment and transport of discarded electrical and electronic equipment for developing, implementing and maintaining management processes;
- (c) provide the means for responsible, safe, environmentally sound, transparent and traceable management of electrical and electronic equipment; and
- (d) facilitate the efficient use of resources in a circular economy.

This document is designed with the principles of circular economy and 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 equipment, whether it be for re-use or recycling purposes, need to understand all requirements 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 discarded electrical and electronic equipment. 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. Rather, a precautionary approach should be taken to consider the implementation of appropriate controls.

This document notes that there are general laws in place regulating how to comply with work health and safety regulations and environment protection requirements. This document also notes that Australia is a signatory to transboundary agreements regarding the environmentally sound management of hazardous and other wastes, and elimination of pollutants.

The main differences between this and the previous edition are as follows:

- (i) Inclusion of traceability requirements for substances of concern ([Section 6](#)).
- (ii) Additional requirements for performing a mass balance and calculating the landfill diversion rate (previously called “recycling rate”) and recovery rate.
- (iii) Additional requirements for data security.
- (iv) Inclusion of an informative appendix on the hazards associated with handling electrical and electronic equipment ([Appendix B](#)).

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The terms “normative” and “informative” are used in Standards to define the application of the appendix to which they apply. A “normative” appendix is an integral part of a Standard, whereas an “informative” appendix is only for information and guidance.

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NOTES

Australian Standard®

Management of electrical and electronic equipment for re-use or recycling

Section 1 Scope, application and general requirements

1.1 Scope

This document sets out principles and minimum requirements for the safe and environmentally sound collection and storage, preparation for re-use, treatment and transport of electrical and electronic equipment (EEE), including components, consumables and parts thereof. Maximizing material recovery, data security, traceability for substances of concern, risk management and quality management are also covered.

This document covers EEE designed for a supply voltage not exceeding 1 000 V for alternating current and 1 500 V for direct current.

NOTE See [Appendix A](#) for categories and examples of EEE.

1.2 Application

This document is intended to be used by parties involved in the collection, storage, preparation for re-use, treatment and transport of EEE and shall be as set out in [Table 1.1](#).

Table 1.1 — Application according to value chain participant

Section/Clause	Value chain participants				
	Collection	Storage	Preparation for re-use	Treatment	Transport
1.6 Identifying legal and other requirements	x	x	x	x	x
1.7 Health, safety and environmental management	x	x	x	x	x
1.8 Emergency response and business continuity	x	x	x	x	x
1.9 Business closure plan	x	x	x	x	x
1.10 Competency	x	x	x	x	x
1.11 Task related information	x	x	x	x	x
1.12 Documented information	x	x	x	x	x
1.13 Data security	x	x	x	x	x
1.14 Waste management hierarchy	x	x	x	x	x
Section 2 Collection and storage	x	x	x ^a	x ^a	
Section 3 Preparation for re-use	x	x	x		
Section 4 Treatment	x ^c	x ^c		x	