AS/NZS 1020:2023





Australian/New Zealand Standard™

The control of static electricity in nonhazardous areas



AS/NZS 1020:2023

This Joint Australian/New Zealand Standard™ was prepared by Joint Technical Committee EL-025, Control Of Undesirable Static Charges. It was approved on behalf of the Council of Standards Australia on 08 May 2023 and by the New Zealand Standards Approval Board on 03 May 2023.

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The following are represented on Committee EL-025:

Australian Industry Group
Australian Institute of Health & Safety
Australian Institute of Petroleum
Better Regulation Division (Fair Trading, Safework NSW, TestSafe)
Communications, Electrical and Plumbing Union — Electrical Division
Department of Regional NSW
Engineering New Zealand
Engineers Australia
Institute of Electrical Inspectors
Institute of Instrumentation, Control & Automation Aust Inc
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The control of static electricity in non-hazardous areas

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Preface

This Standard was prepared by the joint Standards Australia/Standards New Zealand Committee EL-025, Control of Undesirable Static Charges, to supersede AS/NZS 1020:1995, *The control of undesirable static charges*.

The objective of this document is to set out requirements and recommendations for controlling static electricity (static) that is incidentally generated by processes or activities in non-hazardous areas. Depending on circumstances, static can present risks, hazards, damage, static shock or inconvenience.

This document updates requirements for new technology and new equipment that have been introduced since the previous edition was published.

The major changes in this edition area as follows:

- (a) Change of terminology in the title to be "static electricity".
- (b) Removal of aspects related to hazardous areas. This document now only includes aspects relevant to non-hazardous areas.
- (c) Identification of details for using an electrical installation's Protective Earth (PE) network or Functional Earth (FE) for mitigating static electricity.
- (d) Introduction of a Static Control Assessment and a Static Control Plan.

The term "informative" is used in Standards to define the application of the appendices to which they apply. An "informative" appendix is only for information and guidance.

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