

AS/NZS 60479.1:2002
IEC 60479-1:1994

AS/NZS 60479.1

Australian/New Zealand Standard™

Effects of current on human beings and livestock

Part 1: General aspects

AS/NZS 60479.1:2002

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee EL-001, Wiring Rules. It was approved on behalf of the Council of Standards Australia on 10 September 2002 and on behalf of the Council of Standards New Zealand on 3 September 2002. It was published on 3 October 2002.

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AS/NZS 60479.1:2002

Australian/New Zealand Standard™

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Part 1: General aspects

Originated as part of MP 30—1976.
Previous edition AS 3859—1991.
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PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-001, Wiring Rules to supersede AS 3859—1991 Chapters 1, 2 and 3.

AS 3859—1991 was produced from IEC 60479, *Effects of current passing through the human body*, 60479-1:1984 *Part 1: General aspects*, and 60479-2:1987 *Part 2: Special aspects*. Subsequently IEC 60479-1 was revised and issued as IEC 60479-1:1994 (third edition). IEC 60479-2 was reconfirmed without change and a new IEC 60479-3:1998 published. AS 3859—1991 has been revised and issued as AS/NZS 60479.1, 60479.2 and 60479.3.

The objective of this Standard is to provide basic guidance on the effects of electrical currents on persons and livestock for the establishment of electrical safety requirements.

This Standard has been reproduced from IEC 60479-1:1994, *Effects of current on human beings and livestock—Part 1: General aspects*.

Variations to IEC 60479-1:1994 are indicated at the appropriate places throughout this Standard. Strikethrough (~~example~~) identifies IEC tables, figures and passages of text which, for the purposes of this Australian/New Zealand Standard, are deleted. Where Australian/New Zealand tables, figures or passages of text are added, each is set in its proper place and identified by shading (**example**). Added figures are not themselves shaded, but are identified by a shaded border.

This Standard is Part One of a series that includes the following:

AS/NZS

- | | |
|---------|---|
| 60479 | Effects of current on human beings and livestock |
| 60479.1 | Part 1: General aspects (this Standard) |
| 60479.2 | Part 2: Special aspects |
| 60479.3 | Part 3: Effects of currents passing through the body of livestock |

In January 1997, the IEC commenced numbering its Standards from 60000 by adding 60000 to the number of each existing Standard. This coordinates IEC numbering with ISO numbering. During the transition period an IEC Standard might be identified by its new number or its old number (for example, IEC 60050 or IEC 50).

As this Standard is reproduced from an International Standard, the following applies:

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) In the source text ‘this technical report’ should read ‘this Australian/New Zealand Standard’.
- (c) A full point should be substituted for a comma when referring to a decimal marker.

In this Standard, the following print types are used:

- requirements proper: in arial type;
- *test specifications: in italic type;*
- explanatory matter: in smaller arial type.

The terms ‘normative’ and ‘informative’ have been used in this Standard to define the application of the annex to which they apply. A ‘normative’ annex is an integral part of a Standard, whereas an ‘informative’ annex is only for information and guidance.

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