

**AS 3859—1991**

IEC 479-1 (1984)

IEC 479-2 (1987)

Australian Standard<sup>®</sup>

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**Effects of current passing through  
the human body**

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This Australian Standard was prepared by Committee EL/1, Wiring Rules. It was approved on behalf of the Council of Standards Australia on 18 September 1990 and published on 11 February 1991.

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## PREFACE

This Standard was prepared by the Standards Association Committee on Wiring Rules and supersedes MP 30—1976.

It is identical with and has been reproduced from IEC Publication 479, *Effects of current passing through the human body*, 479-1(1984) Part 1: *General aspects*, and 479-2 (1987) Part 2: *Special aspects*.

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This Standard provides basic guidance on the effects of shock currents on the human body for use in the establishment of electrical safety requirements. However, care should be exercised in the application of the information and due consideration should be given to the notes to each Table and Figure. Attention is drawn to Clause 4.6 of Chapter 2 which indicates that 50 V r.m.s. is a voltage below which no hazard has been proven to exist.

For the purpose of this Standard, the text of IEC 479-1, and 479-2 is modified as follows:

- (i) *References*: Replace references to other publications by references to Australian Standards as follows.

<i>Reference to IEC Standards</i>	<i>Australian Standard</i>
IEC	AS
50 International Electrotechnical Vocabulary	1852 International Electrotechnical Vocabulary
50(551) Chapter 551: Power Electronics	1852(551) Power Electronics
50(801) Chapter 801: Acoustics and Electro-acoustics	1852(551) Acoustics and Electro-acoustics

- (ii) An Australian note has been added to Clause 4.4 of Chapter 2.
- (iii) An Australian Appendix B giving information on the physiology of electrocution has been added.

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