

AS/NZS IEC 60479.4:2022
IEC/TR 60479-4:2020



Australian/New Zealand Standard™

Effects of current on human beings and livestock

Part 4: Effects of lightning strokes



This is a preview. [Click here to purchase the full publication.](#)

AS/NZS IEC 60479.4:2022

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 7 May 2022 and by the New Zealand Standards Approval Board on 4 May 2022.

This Standard was published on 20 May 2022.

The following are represented on Committee EL-001:

- Australian Building Codes Board
- Australian Energy Council
- Australian Industry Group
- Communications, Electrical and Plumbing Union — Electrical Division
- Consumers Federation of Australia
- Electrical Regulatory Authorities Council
- Electrical Safety New Zealand
- Electrical Workers Registration Board
- ElectroComms and Energy Utilities Industry Skills Council
- Energy Networks Australia
- Engineering New Zealand
- Engineers Australia
- Institute of Electrical Inspectors
- Master Electricians Australia
- Master Electricians New Zealand
- National Electrical and Communications Association
- National Electrical Switchboard Manufacturers Association
- The Manufacturers' Network
- WorkSafe New Zealand

This Standard was issued in draft form for comment as DR AS/NZS IEC 60479.4:2021.

Keeping Standards up-to-date

Ensure you have the latest versions of our publications and keep up-to-date about Amendments, Rulings, Withdrawals, and new projects by visiting:

www.standards.org.au

www.standards.govt.nz

ISBN 978 1 76113 752 5

This is a preview. [Click here to purchase the full publication.](#)

Australian/New Zealand Standard™

Effects of current on human beings and livestock

Part 4: Effects of lightning strokes

First published as AS/NZS 60479.4:2010.
Second edition 2022.



© IEC Geneva Switzerland 2022 — All rights reserved

© Standards Australia Limited/the Crown in right of New Zealand, administered by the New Zealand Standards Executive 2022

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of either the IEC or the publisher, unless otherwise permitted under the Copyright Act 1968 (Cth) or the Copyright Act 1994 (New Zealand). If you have any questions about IEC copyright or have an enquiry about obtaining additional rights to this publication, please see the contact details on the back cover or the contact us page of the website for further information.

[This is a preview. Click here to purchase the full publication.](#)

Preface

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee EL-001, Wiring Rules to supersede AS/NZS 60479.4:2010, *Effects of current on human beings and livestock, Part 4: Effects of lightning strokes on human beings and livestock*.

The objective of this document is to summarize the basic parameters for lightning and its variability insofar as they apply to human beings and livestock.

The possible direct and indirect interactions of strikes with bodies of living beings are indicated.

The resulting effects caused by lightning currents for the organism are described.

This document shows the differences of effects on human beings and livestock due to lightning strokes versus those effects of electric shocks derived from electrical systems.

This document is identical with, and has been reproduced from, IEC/TR 60479-4:2020, *Effects of current on human beings and livestock — Part 4: Effects of lightning strokes*.

As this document has been reproduced from an International Technical Report, the following applies:

- (a) In the source text “this part of 60479” should read “this document”.
- (b) A full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

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