



Environmental management — Life cycle assessment — Requirements and guidelines



AS ISO 14044:2019

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- Association of Accredited Certification Bodies
- Australian Industry Group
- Australian Life Cycle Assessment Society
- Building Products Innovation Council
- Clean Energy Regulator
- Consumers' Federation of Australia
- CSIRO
- Department of the Environment and Energy (Australian Government)
- Engineers Australia
- Green Building Council of Australia
- Griffith University
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Preface

This Standard was prepared by the Standards Australia Committee EV-021, Environmental Management and Sustainable Development.

A1 | Amendment No. 1 to this Standard was prepared by the Standards Australia Committee EV-021.

Changes to the Preface required by Amendment No. 1 of AS ISO 14044:2019 are indicated in the text by a marginal bar.

The objective of this Standard is to specify requirements and provides guidelines for life cycle assessment (LCA) including—

- (a) definition of the goal and scope of the LCA;
- (b) life cycle inventory analysis (LCI) phase;
- (c) life cycle impact assessment (LCIA) phase;
- (d) life cycle interpretation phase;
- (e) reporting and critical review of the LCA;
- (f) limitations of the LCA;
- (g) relationship between the LCA phases; and
- (h) conditions for use of value choices and optional elements.

This Standard covers life cycle assessment (LCA) studies and life cycle inventory (LCI) studies.

A1 | This Standard is identical with, and has been reproduced from, ISO 14044:2006, *Environmental management — Life cycle assessment — Requirements and guidelines* and its Amendment No. 1 (2017) which has been added at the end of the source text.

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

- (i) In the source text “this International Standard” should read “this Australian Standard”.
- (ii) 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.

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 14044 was prepared by Technical Committee ISO/TC 207, *Environmental management*, Subcommittee SC 5, *Life cycle assessment*.

This first edition of ISO 14044, together with ISO 14040:2006, cancels and replaces ISO 14040:1997, ISO 14041:1998, ISO 14042:2000 and ISO 14043:2000, which have been technically revised.