

ICS 13.020.10; 13.020.60

ISBN 0-626-16885-6

SANS 14042:2000

Edition 1 and nat. amdt 1

ISO 14042:2000

Edition 1

Any reference to SABS ISO 14042 is deemed
to be a reference to this standard
(Government Notice No. 1373 of 8 November 2002)

SOUTH AFRICAN NATIONAL STANDARD

Environmental management — Life cycle assessment — Life cycle impact assessment

This national standard is the identical implementation of ISO 14042:2000 and is adopted with the permission of the International Organization for Standardization.

Published by Standards South Africa
1 dr lategan road groenkloof ☒ private bag x191 pretoria 0001
tel: 012 428 7911 fax: 012 344 1568 international code + 27 12
www.stansa.co.za
© Standards South Africa

standards
SouthAfrica
(a division of SABS)

SANS 14042:2000

Edition 1 and nat. amdt 1

ISO 14042:2000

Edition 1

Table of changes

Change No.	Date	Scope
Nat. amdt 1	2005	Amended to change the designation from SABS to SANS, with no technical changes.

Abstract

Describes and gives guidance on a general framework for the life cycle impact assessment (LCIA) phase of life cycle assessment (LCA), and the key features and inherent limitations of LCIA, it specifies requirements for conducting the LCIA phase and the relationship of LCIA to the other LCA phases.

Keywords

assessment, consistency, definitions, ecology, efficiency, environment, environmental management, estimation, evaluations, life cycle assessment, life cycles, management, objectives, pollution control, specifications.

National foreword

This South African standard was approved by National Committee StanSA TC 207, *Environmental Management*, in accordance with procedures of Standards South Africa, in compliance with annex 3 of the WTO/TBT agreement.

This SANS edition is technically identical to SABS edition 1 (SABS ISO 14042:2000).

INTERNATIONAL STANDARD

ISO 14042

First edition
2000-03-01

Environmental management — Life cycle assessment — Life cycle impact assessment

*Management environnemental — Analyse du cycle de vie — Évaluation de
l'impact du cycle de vie*



Reference number
ISO 14042:2000(E)

© ISO 2000

ISO 14042:2000(E)

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

© ISO 2000

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 734 10 79
E-mail copyright@iso.ch
Web www.iso.ch

Printed in Switzerland

Contents

Page

Foreword.....	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 General description of LCIA	2
5 Mandatory elements	4
6 Optional elements.....	8
7 Data quality analysis	10
8 Limitations of LCIA.....	10
9 Comparative assertions disclosed to the public.....	11
10 Reporting and critical review.....	11
Annex A (normative) Relationship of life cycle impact assessment to the LCA framework.....	14
Bibliography	16