



DPC: 25/30492245 DC

BSI Group Headquarters

389 Chiswick High Road London W4 4AL

Tel: +44 (0)20 8996 9000

Fax: +44 (0)20 8996 7400

www.bsigroup.com

Date: 09 May 2025

Origin: International

Latest date for receipt of comments: 02 July 2025

Project No. 2024/01294

Responsible committee: PAI/43 Graphic technology

Interested committees:

Title: Draft BS ISO 22067-2 Graphic technology - Requirements for communication of environmental aspects of printed products.
Part 2: Print finishing.

Please notify admin.start@bsigroup.com if you are aware of any keywords that might assist in clarifying or identifying the standard or of the content of this standard:

- i) has any issues related to 3rd party IPR, patent or copyright
- ii) affects other national standard(s)
- iii) requires additional national guidance or information

WARNING: THIS IS A DRAFT AND MUST NOT BE REGARDED OR USED AS A BRITISH STANDARD. THIS DRAFT IS NOT CURRENT BEYOND 02 July 2025

This draft is issued to allow comments from interested parties; all comments will be given consideration prior to publication. No acknowledgement will normally be sent. **See overleaf for information on the submission of comments.**

No copying is allowed, in any form, without prior written permission from BSI except as permitted under the Copyright, Designs and Patent Act 1988 or for circulation within a nominating organization for briefing purposes. Electronic circulation is limited to dissemination by e-mail within such an organization by committee members.

Further copies of this draft may be purchased from BSI Shop <http://shop.bsigroup.com> or from BSI Customer Services, Tel: +44(0) 20 8996 9001 or email cservices@bsigroup.com. British, International and foreign standards are also available from BSI Customer Services.

Information on the co-operating organizations represented on the committees referenced above may be obtained from <https://standardsdevelopment.bsigroup.com/>.

E-mail: admin.start@bsigroup.com

Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
------------------	------------------------

1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/ Figure/Table/Note	Type of comment	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



DRAFT International Standard

ISO/DIS 22067-2

Graphic technology — Requirements for communication of environmental aspects of printed products —

Part 2: Print finishing

ICS: 37.100.01

ISO/TC 130

Secretariat: **SAC**

Voting begins on:
2025-05-09

Voting terminates on:
2025-08-01

This document is circulated as received from the committee secretariat.

THIS DOCUMENT IS A DRAFT CIRCULATED FOR COMMENTS AND APPROVAL. IT IS THEREFORE SUBJECT TO CHANGE AND MAY NOT BE REFERRED TO AS AN INTERNATIONAL STANDARD UNTIL PUBLISHED AS SUCH.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

Reference number
ISO/DIS 22067-2:2025(en)

Full document details: 25/30492245 DC

© ISO 2025



Documents

Document Sharing Hub



COPYRIGHT PROTECTED DOCUMENT

© ISO 2025

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 General principles	3
5 Data and communication	3
5.1 Data collection requirements	3
5.1.1 Principle	3
5.1.2 Data identification and collection	3
5.1.3 Data acquisition and verification	3
5.1.4 Environmental statement	3
5.1.5 Record keeping and assessment	4
5.1.6 Exclusions	4
5.2 Communication details and associated criteria	4
5.2.1 Chemicals and materials	4
5.2.2 Emissions	5
5.2.3 Energy utilization and impact	6
5.2.4 Waste	7
5.2.5 Recycle/Reuse	7
6 Requirements for environmental statements	7
6.1 Foundations for environmental statements	7
6.2 Statement content	7
6.3 Specific communication items in the statement	8
6.4 Storage duration of environmental documents	8
Annex A (normative) Environmentally hazardous substances	9
Annex B (normative) High risk environmentally hazardous substances	12
Annex C (normative) Volatile organic compounds (VOCs)	13
Annex D (informative) Examples of laws related to pollution of water	14
Annex E (informative) Examples of waste regulations and laws	16
Annex F (informative) Sample statement of environmentally hazardous substances	19
Annex G (informative) Sample statement for the use of VOCs	20
Annex H (informative) Sample comprehensive environmental statement	21
Bibliography	22

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO [had/had not] received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 130, *Graphic technology*.

A list of all parts in the ISO 22067 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

In this highly competitive era, every business needs promotional materials to attract customers and strengthen its market presence. An impeccable design can make promotional printed materials more attractive and eye-catching, but print finishing is also required to create compelling products.

Print finishing comprises value-added processes that are carried out after ink has been applied to the substrate. While some of these processes can occur prior to the print leaving the press (inline), a significant number are executed offline. The key objective of these finishing processes is to enhance the overall quality, appearance, durability and functionality of the printed product, thereby meeting the specific needs of the customer or end user.

Print finishing involves a diverse array of raw materials and final products depending on the specific requirements of customers or end users. [Table 1](#) provides an overview of print finishing and final products.

Table 1 — Overview of print finishing and final products

Substances input for print finishing	Type of process	Outputs of print finishing
— printed materials — adhesives — varnishes and coatings — stitching materials — plastic films — foils — wire — others	Book binding	— books
	— cutting and trimming	— magazines
	— folding	— journals
	— collating and gathering	— newspapers
	— gluing or saddle-stitching or sewing	— catalogues
	— trimming	— brochures
	— cover making	— calendars
	— others	— business cards
		— others
	Packaging production	— labels
	— cutting or die cutting	— tags
	— creasing	— boxes
	— folding	— bags
	— gluing	— mail bundling
	— pressing	— others
	— others	
	Surface decoration process	Effects of surface decoration are presented on books, covers and book bindings as well as packaging products
	— embossing and debossing	
	— foil stamping	
	— coating	
	— film lamination	
	— others	

Sustainability is the core concern of the printing industry. To enhance the industry's environmental sustainability, effective communication of environmental aspects of products and processes is essential. The ISO 22067 series specifies requirements and criteria for communicating environmental aspects within the print production supply chain. This document is the second part of ISO 22067, specifically addressing

print finishing production. The data collection requirements outlined herein begin with printed materials that have not yet been configured as a finished print product.

In practice, to comprehensively communicate the environmental aspects associated with production of finished print products, such as books or folding boxes, data collection during the printing stage will follow the requirements of ISO 22067-1. Subsequently, data collection during the print finishing stage will comply with ISO 22067-2, enabling the development of a comprehensive environmental statement. [Figure 1](#) outlines the data collection process for this environmental statement.

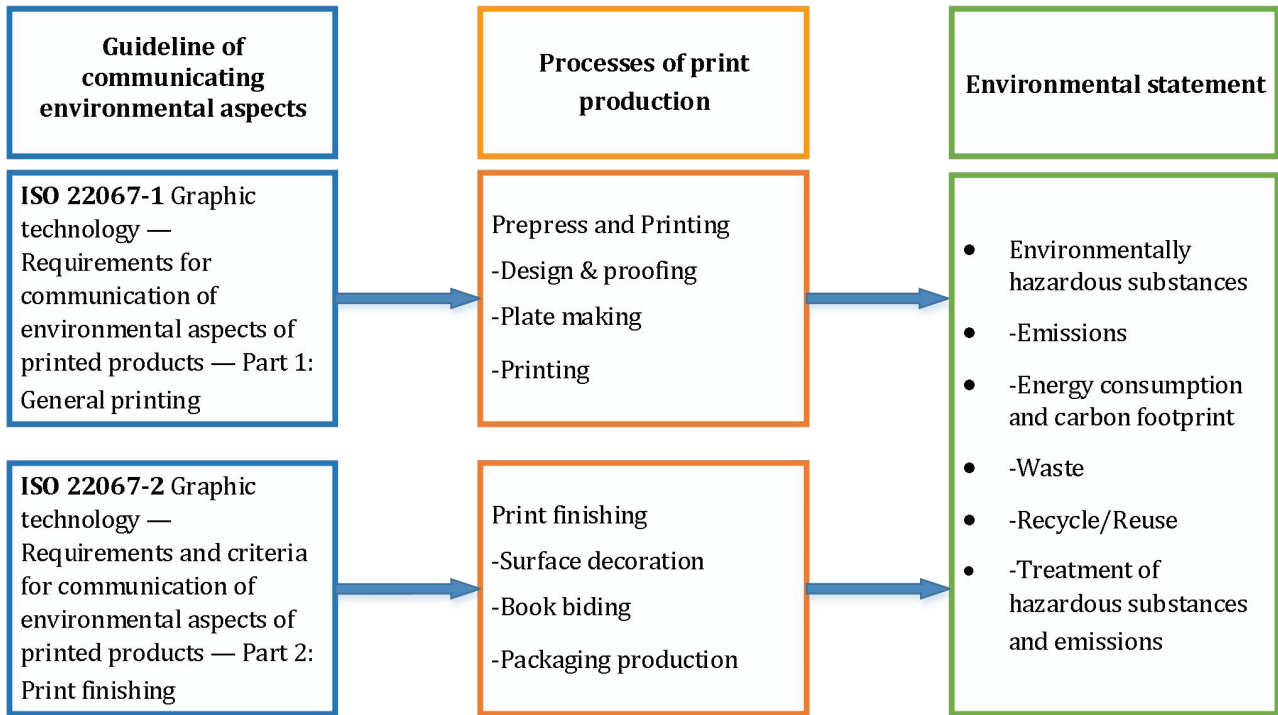


Figure 1 — Data collection process for an environmental statement

Graphic technology — Requirements for communication of environmental aspects of printed products —

Part 2: Print finishing

1 Scope

The ISO 22067 series specifies the communication requirements and criteria for environmental aspects within the print production supply chain. This document specifies requirements for environmental communication on print finishing, including surface decoration, binding and packaging processes in post press. This document is applicable for most print finishing processes but excludes those specific to textile printing and ceramic printing due to their unique processing requirements.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 11204, *Acoustics — Noise emitted by machinery and equipment — Determination of emission sound pressure levels at a work station and at other specified positions applying accurate environmental corrections*

ISO 11890-1, *Paints and varnishes — Determination of volatile organic compounds (VOC) and/or semi volatile organic compounds (SVOC) content — Part 1: Gravimetric method for VOC determination*

ISO 11890-2, *Paints and varnishes — Determination of volatile organic compounds (VOC) and/or semi volatile organic compounds (SVOC) content — Part 2: Gas-chromatographic method*

ISO 14067, *Greenhouse gases — Carbon footprint of products — Requirements and guidelines for quantification*

ISO 16759, *Graphic technology — Quantification and communication for calculating the carbon footprint of print media products*

ISO 18603, *Packaging and the environment — Reuse*

ISO 18604, *Packaging and the environment — Material recycling*

ISO 18605:2013, *Packaging and the environment — Energy recovery*

ISO 18606, *Packaging and the environment — Organic recycling*

ISO 22067-1, *Graphic technology — Requirements for communication of environmental aspects of printed products — Part 1: General printing*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at <https://www.iso.org/obp>

— IEC Electropedia: available at <https://www.electropedia.org/>

3.1

print finishing

post-press actions performed on or to printed materials, after the ink has been applied but before the final product is delivered to its buyer, customer, user, or intended location for use and application

3.2

environmental statement

collection of sector and application specific environmental performance data communicated between stakeholders

[SOURCE: ISO 22067-1:2022, 3.2]

3.3

environmental aspect

element of a product or its production process that, during its life-cycle, can interact with the environment

[SOURCE: ISO 22067-1:2022, 3.4]

3.4

environmental impact

any change to the environment, wholly or partially resulting from a product *environmental aspect* (3.3)

[SOURCE: ISO 22067-1:2022, 3.5]

3.5

environmentally hazardous substances

materials that can pose a risk to ecosystems, humans, flora, fauna and other forms of life

[SOURCE: ISO 22067-1:2022, 3.6]

3.6

volatile organic compound VOC

organic compound which is liquid at room temperature (20 °C) and which has a boiling point below 250 °C at standard atmospheric pressure

[SOURCE: ISO 22067-1:2022, 3.12]

3.7

GHS

abbreviation of the UN globally harmonized system of classification and labelling of chemicals

3.8

GHS hazard statement

standard references for chemical substances and mixture classifications

[SOURCE: ISO 22067-1:2022, 3.15]

3.9

carbon footprint

net amount of greenhouse gas emissions removals, expressed as CO₂ equivalents

[SOURCE: ISO 22067-1:2022, 3.17]

3.10

security printing

set of processes which transform raw materials into documents or products of value or entitlement, ID documents or security foils physically protected by security features

[SOURCE: ISO 14298:2021, 3.25]