

BS ISO/IEC 29142-3:2013



BSI Standards Publication

Information technology — Print cartridge characterization

Part 3: Environment

bsi.

...making excellence a habit.
AVA Documents™
Document Sharing Hub

National foreword

This British Standard is the UK implementation of ISO/IEC 29142-3:2013.

The UK participation in its preparation was entrusted to Technical Committee IST/3, IT Printers and Cartridges.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2013. Published by BSI Standards Limited 2013

ISBN 978 0 580 74571 3

ICS 37.100.10

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 April 2013.

Amendments issued since publication

Date	Text affected
------	---------------

**Information technology — Print cartridge
characterization —**

**Part 3:
Environment**

*Technologies de l'information — Caractérisation de cartouche
d'impression —*

Partie 3: Environnement



Reference number
ISO/IEC 29142-3:2013(E)

AVA Documents
Document Sharing Hub
© ISO/IEC 2013



COPYRIGHT PROTECTED DOCUMENT

© ISO/IEC 2013

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 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
Introduction.....	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Abbreviated terms	5
5 Relationship with ISO 14020 Series.....	5
6 Company environmental responsibility	5
7 Environmental attributes throughout the cartridge life-cycle	5
8 Verification methods	9
9 Life-cycle assessment	10
10 Certification and compliance	10
11 Mutual recognition	10
Bibliography.....	11

Foreword

ISO (the International Organization for Standardization) and IEC (the International Electrotechnical Commission) form the specialized system for worldwide standardization. National bodies that are members of ISO or IEC participate in the development of International Standards through technical committees established by the respective organization to deal with particular fields of technical activity. ISO and IEC technical committees collaborate in fields of mutual interest. Other international organizations, governmental and non-governmental, in liaison with ISO and IEC, also take part in the work. In the field of information technology, ISO and IEC have established a joint technical committee, ISO/IEC JTC 1.

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

The main task of the joint technical committee is to prepare International Standards. Draft International Standards adopted by the joint technical committee are circulated to national bodies for voting. Publication as an International Standard requires approval by at least 75 % of the national 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 and IEC shall not be held responsible for identifying any or all such patent rights.

ISO/IEC 29142-3 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 28, *Office equipment*.

ISO/IEC 29142 consists of the following parts, under the general title *Information technology — Print cartridge characterization*:

— *Part 3: Environment*

The following parts are under preparation:

— Part 1: General: terms, symbols, notations and cartridge characterization framework

— Part 2: Cartridge Characterization Data Reporting

Introduction

The purpose of this part of ISO/IEC 29142 is to establish principles and framework for environmental product standards, environmental labels, and green procurement criteria specific to ink and toner cartridges used in printing devices that have a digital input printing path, including multi-function devices. This standard includes terminology definitions for such cartridges and their environmental interactions, cartridge environmental attributes, and test methods for inclusion in cartridge environmental standards, environmental labels, and green procurement criteria.

Printing systems use consumables and because of this, environmental responsibility is important to be considered during the phases of design, manufacturing, printer operation and end-of-life.

The terms, definitions, attributes, and test methods established in this standard are generally applicable to all cartridges and are intended for use in the development of environmental standards, environmental labels, and green procurement guidelines. The defined attributes and methods form a framework to standardize the treatment and definition of cartridge environmental issues.

The foundation provided in this standard supports the following objectives:

1. Minimization of product environmental impact throughout the cartridge life-cycle
2. Minimization of product environmental impact associated with end-of-life

In an attempt to harmonize with existing environmental labels, standards, declarations, and green procurement criteria, environmental provisions and measurement methods already well established will be referenced wherever possible. This includes consideration of legal requirements and customer expectations associated with material use, manufacturing operations, and packaging, and/or management during end-of-life.

This part of ISO/IEC 29142 provides the following:

1. Terms and definitions related to cartridge environmental attributes.
2. Cartridge environmental attributes for inclusion in environmental labels, standards and green procurement criteria.
3. Test methods that manufacturers, test labs, etc., use to determine values for the defined cartridge environmental attributes.
4. Methods for determination of declared values from the test results.
5. Methods for declaration of conformance to provisions that don't require measurement.

This International Standard is intended for office equipment environments.