

---

---

## Colour test pages for measurement of office equipment consumable yield

*Pages d'essai en couleur pour le mesurage du rendement des  
consommables des équipements de bureau*

**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.



**COPYRIGHT PROTECTED DOCUMENT**

© ISO/IEC 2007

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](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

Page

<b>Foreword</b> .....	<b>iv</b>
<b>Introduction</b> .....	<b>v</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Conversion from PostScript to PDF</b> .....	<b>2</b>
<b>5 Conversion from CMYK to RGB</b> .....	<b>4</b>
<b>6 Page Descriptions</b> .....	<b>4</b>
<b>6.1 Business Letter</b> .....	<b>5</b>
<b>6.2 Spreadsheet</b> .....	<b>7</b>
<b>6.3 Newsletter</b> .....	<b>13</b>
<b>6.4 Slide</b> .....	<b>17</b>
<b>6.5 Diagnostic</b> .....	<b>19</b>
<b>Annex A (informative) Page 1 – Business Letter</b> .....	<b>22</b>
<b>Annex B (informative) Page 2 – Spread Sheet</b> .....	<b>23</b>
<b>Annex C (informative) Page 3 – Newsletter</b> .....	<b>24</b>
<b>Annex D (informative) Page 4 – Slide</b> .....	<b>25</b>
<b>Annex E (informative) Page 5 – Diagnostic</b> .....	<b>26</b>
<b>Annex F (informative) LSA Logo Definition</b> .....	<b>27</b>

## 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 24712 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 28, *Office equipment*.

This second edition cancels and replaces the first edition (ISO/IEC 24712:2006), of which it constitutes a minor revision.

## Introduction

This International Standard provides a set of test pages in a common file format that are used in the testing of cartridge yield for colour toner and colour ink. The focus of this test suite is not for printing of photographs, but is intended to be a sampling of typical consumer pages. The procedure for using these pages is detailed in ISO/IEC 19798 and ISO/IEC 24711.

# Colour test pages for measurement of office equipment consumable yield

## 1 Scope

The scope of this International Standard is to define colour test pages for the measurement of consumable yield. The test page suite includes four “customer” type documents and one “diagnostic” page that is used to determine end of ink or toner consumable life. These pages can be used for electro-photographic, inkjet printers and multi-function devices that have a digital printing path, i.e. an all-in-one electro-photographic machine that has digital printing capabilities.

This International Standard provides a set of test pages in a common file format that would be used in the testing of consumable yield. The procedure for using these pages is detailed in ISO/IEC 19798 and ISO/IEC 24711.

These pages are intended to represent some of the types of documents that are used in the office and home. They are not intended to represent special applications such as photo printing.

## 2 Normative references

The following referenced documents are indispensable for the application 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/IEC 19798, *Method for the determination of toner cartridge yield for colour printers and multi-function devices that contain printer components*

ISO/IEC 24711, *Method for the determination of ink cartridge yield for colour inkjet printers and multi-function devices that contain printer components*