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Information technology — Method for the determination of toner cartridge yield for monochromatic electrophotographic printers and multi-function devices that contain printer components

Technologies de l'information — Méthode pour la détermination du rendement des cartouches de toner pour les imprimantes électrophotographiques monochromatiques et pour les dispositifs multifonctionnels qui contiennent des composants d'imprimantes

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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.

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This corrected version of ISO/IEC 19752:2004 incorporates the corrected title, which has been changed from "Information technology — Method for the determination of toner cartridge yield for monochromatic electrophotographic printers and multi-function devices that may contain printer components" to "Information technology — Method for the determination of toner cartridge yield for monochromatic electrophotographic printers and multi-function devices that contain printer components".

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Introduction

The purpose of this International Standard is to provide a process for determining the page yield for toner cartridges for monochromatic printers using a standard office consumer type test page.

This standard prescribes the following:

- The test method that manufacturers should use to determine cartridge yield.
- The method for determination of declared yield values from the test results.
- The appropriate method of describing the yield of cartridges in documentation supplied to the consumer by the manufacturer.

The end of life is judged with either of two phenomena - "image fade" caused by toner depletion of the cartridge in the printing system or "automatic printing stop" by the Toner Out detection function.