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

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# Information technology — Office equipment — 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

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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 document 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).

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The committee responsible for this document is ISO/IEC JTC 1, *Information technology*, SC 28, *Office equipment.*

This second edition cancels and replaces the first edition (ISO/IEC 19752:2004), which has been technically revised.

It also incorporates the Technical Corrigendum ISO/IEC 19752:2004/Cor 1:2012.

# Introduction

The purpose of this document is to provide a process for determining the page yield for toner cartridges for monochromatic print systems using a standard office consumer type test page. In the case where a cartridge can be used in multiple printer models, only one yield test is performed as long as the difference between printer models does not impact yield.

NOTE 1 A cartridge supplier can choose to use more than one market identifier for a single physical cartridge. In this case, only one yield test is required as long as there are no differences in the cartridges other than market identifiers.

This document prescribes the following:

— the test method that manufacturers 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 the 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.

NOTE 2 A comparison of yield for two printing systems is shown in Annex E.