

# IEEE Standard for Environmental Assessment of Imaging Equipment

IEEE Computer Society

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Environmental Assessment Standards Committee

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# IEEE Standard for Environmental Assessment of Imaging Equipment

Sponsor

**Environmental Assessment Standards Committee**  
of the  
**IEEE Computer Society**

Approved 30 August 2012

**IEEE-SA Standards Board**

**Abstract:** A clear and consistent set of environmental performance criteria for the design of imaging equipment products is established, providing an opportunity to secure market recognition for efforts to reduce the environmental impact of electronic products. This standard is also intended to provide a tool for government, institutional, corporate, and consumer purchasers to identify products that demonstrate environmental leadership. The intent is that the standard will be updated and revised on a periodic basis to continue to set a higher performance standard for leadership products.

**Keywords:** copiers, digital duplicators, electronic product, electronic product design, environment, environmental impact, environmental leadership, environmental performance, facsimile machines, fax machines, IEEE 1680.2, imaging equipment, multifunction devices, printers, mailing machines, scanners

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## Introduction

This introduction is not part of IEEE Std 1680.2-2012, IEEE Standard for Environmental Assessment of Imaging Equipment.

IEEE Std 1680.2-2012 was developed due to a growing demand by purchasers for an easy-to-use evaluation tool that allows the comparison and selection of electronic products based on environmental performance.

This standard is intended to be used by government, institutional, corporate, and consumer purchasers in the selection of electronics products based on environmental performance, and by product designers and manufacturers who wish to sell products that meet environmental performance standards.

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## 1. Overview

### 1.1 Scope

This standard defines environmental performance standards for imaging equipment (as defined by the U.S. ENERGY STAR® Imaging Equipment Specification<sup>1</sup>) including copiers, digital duplicators, facsimile machines, multifunction devices, printers, mailing machines, and scanners, relating to reduction or elimination of environmentally sensitive materials, materials selection, design for end of life, life-cycle extension, energy conservation, end-of-life management, corporate performance, packaging, consumables, and indoor air quality.

### 1.2 Purpose

This standard for imaging equipment is part of the IEEE 1680™ family of standards that provides a clear and consistent set of performance criteria for the design of electronic products, and provides an opportunity to secure market recognition for efforts to reduce the environmental impact of electronic products. This *imaging equipment standard* is intended to provide a tool for government, institutional, corporate, and consumer purchasers. Product manufacturers may use this tool to earn recognition in these markets, recognizing that certain criteria may not be applicable to all types of purchasers.

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