



IEEE Standard for Environmental Assessment of Personal Computer Products, Including Notebook Personal Computers, Desktop Personal Computers, and Personal Computer Displays

IEEE Computer Society

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Environmental Assessment Standards Committee

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3 Park Avenue
New York, NY 10016-5997, USA

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Environmental Assessment Standards Committee
of the
IEEE Computer Society

Approved 9 December 2009

IEEE-SA Standards Board

Abstract: Guidance and implementation procedures for this and other standards in the IEEE 1680™ family of standards are provided. A clear and consistent set of environmental performance criteria for the design of personal computer products including notebook computers, desktop computers, and computer displays is provided, thereby providing an opportunity to secure market recognition for efforts to reduce the environmental impact of electronic products. This standard is intended to provide a tool for government, institutional, and corporate purchasers. Product manufacturers may also use this tool to earn recognition in the consumer market, recognizing that certain criteria may not be applicable to all types of purchasers. This standard shall be updated and revised on a periodic basis to continue to set a higher performance standard for leadership products.

Keywords: computer, computer display, electronic product, electronic product design, environment, environmental leadership, environmental performance, notebook computer, personal computer

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Introduction

This introduction is not part of IEEE Std 1680.1-2009, IEEE Standard for Environmental Assessment of Personal Computer Products, Including Notebook Personal Computers, Desktop Personal Computers, and Personal Computer Displays.

This standard has been developed due to a growing demand by government, institutional, and corporate 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, and corporate 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 to institutional purchasers. Product manufacturers may also use this tool to earn recognition in the consumer market.

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Jonathan Wood
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Lisa Perry
IEEE Standards Program Manager, Document Development

Malia Zaman
IEEE Standards Program Manager, Technical Program Development

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1. Overview

1.1 Scope

This standard defines environmental performance criteria for personal computer products, including desktop computers, notebook computers, and computer displays. The environmental performance criteria relate 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, and packaging. Guidelines and implementation procedures for this standard are included in the umbrella standard, IEEE Std 1680™.