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IEEE Standard Facsimile Test Chart: High Contrast (Gray Scale)

Sponsor

**Transmission Systems Committee
of the
IEEE Communications Society**

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Abstract: A means of assessing performance of document facsimile systems, including any compatible combination of facsimile equipment, computers, transmission facilities, and image storage, is provided.

Keywords: facsimile, imaging systems, test charts

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Introduction

[This introduction is not a part of IEEE Std 167A.2-1996, IEEE Standard Facsimile Test Chart: High Contrast (Gray Scale).]

The purpose of this standard is to provide a means of assessing performance of document facsimile systems, including any compatible combination of facsimile equipment, computers, transmission facilities, and image storage. The advancing technology of document facsimile demands new testing requirements, leading to this standard test chart. Conflicting test chart reproduction requirements—very high resolution black-and-white test chart patterns vs. high quality continuous tone gray scale—are very difficult to satisfy in one test chart at a reasonable cost. Therefore, this standard test chart is composed solely of continuous tone test patterns. Although the standard test chart is designed for Group 3 and Group 4 facsimiles, it is also expected to be useful in testing other imaging systems. The received image may be recorded or displayed.

This standard offers a means of assessing various technical quality parameters, detecting defects produced in received images, and evaluating black-and-white threshold values for bi-level facsimile machines.

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