

# CEA Standard

Standard Method of Measurement  
for Compact Disc Players

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Consumer Electronics Association

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(Formulated under the cognizance of the CEA's **R3 Audio Systems Committee**.)

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**STANDARD METHOD OF MEASUREMENT  
FOR COMPACT DISC PLAYERS**

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## STANDARD METHOD OF MEASUREMENT FOR COMPACT DISC PLAYERS

### 1.0 INTRODUCTION

This Standard is a result of the efforts of the Compact Disc Subcommittee of the EIA Audio Systems committee. This Standard shall apply to domestic reproducing equipment for Compact Discs (CDs) and defines the methods of measurement and the form of disclosure of performance characteristics of consumer CD players.

### 2.0 DEFINITION OF TERMS -GENERAL

Note: Within the scope of this standard, the following definitions shall apply. Specific definitions will be found in Sections 4.1 to 4.16

#### 2.1 Reference Frequency

A frequency corresponding to test frequencies found on the Standard Test Disc described in Appendix A.

#### 2.2 Reference Recording Level

The level that corresponds to the reference recorded levels on the Standard Test Disc.

#### 2.3 Rated Load Impedance

The load impedance corresponding to the load intended for connection to the output terminals of the CD player under test.

#### 2.4 Rated Output Level

The level corresponding to the standard output level applied to the load.

### 3.0 STANDARD TEST CONDITIONS

#### 3.1 Power Supply Requirements

3.1.1 The supply voltage shall be within  $\pm 1\%$  of the rated supply voltage. Direct-current-powered CD players shall be tested at the recommended supply voltage  $\pm 1\%$ , and this voltage shall be stated.