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NECA 90-2009

Standard for

Commissioning Building Electrical Systems

AN AMERICAN NATIONAL STANDARD

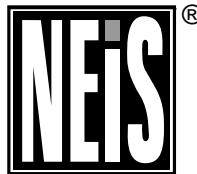


Published by
National Electrical Contractors Association

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Jointly developed with
**Enviro-Management
& Research, Inc.**



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(This foreword is not a part of the standard)

Foreword

National Electrical Installation Standards[™] are intended to improve communication among specifiers, purchasers, and suppliers of electrical construction services. They define a minimum baseline of quality and workmanship for installing electrical products and systems. *NEIS*[™] are intended to be referenced in contract documents for electrical construction projects. The following language is recommended:

All electrical systems shall be commissioned in accordance with NECA 90-2009, *Standard for Commissioning Building Electrical Systems* (ANSI).

Use of *NEIS* is voluntary, and the National Electrical Contractors Association assumes no obligation or liability to users of this publication. Existence of a standard shall not preclude any member or non-member of NECA from specifying or using alternate construction methods permitted by applicable regulations.

This publication is intended to comply with the edition of the National Electrical Code (NEC) in effect at the time of publication. Because they are quality standards, *NEIS* may in some instances go beyond the minimum requirements of the NEC. It is the responsibility of users of this publication to comply with state and local electrical codes when installing electrical products and systems.

Suggestions for revisions and improvements to this standard are welcome. They should be addressed to:

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1. Scope

1.1 Applications Included

This standard describes installation procedures for commissioning common newly installed or retrofitted building electrical systems and equipment. It defines the process of commissioning building electrical systems and provides sample guidelines for attaining optimum system performances that conform to design, specification, and industry accepted codes and standards. This standard is not intended to cover commissioning processes for every type of electrical system and references other specific *NEIS* documents where such information is provided.

1.2 Applications Excluded

This standard does not cover procedures for commissioning systems such as fire alarm systems, telecommunications networks, closed circuit television systems, access control systems, and other limited energy systems. This standard provides some references to other *NEIS* documents that include commissioning and testing requirements for these systems. Installers should follow all applicable manufacturer requirements related to acceptance and performance testing of such systems.

1.3 Regulatory and Other Requirements

All information in this publication is intended to conform to the National Electrical Code (NEC) (ANSI/NFPA 70).

Only qualified persons familiar with the commissioning of building electrical systems and equipment should perform the work described in this publication. The definition of the term “qualified person” is provided in Article 100 of the NEC.

Other *National Electrical Installation Standards* provide additional guidance for installing particular types of electrical products and systems. A complete list of *NEIS* is provided in Annex B.