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NECA 402-2014

Standard for

Installing and Maintaining Motor Control Centers

AN AMERICAN NATIONAL STANDARD



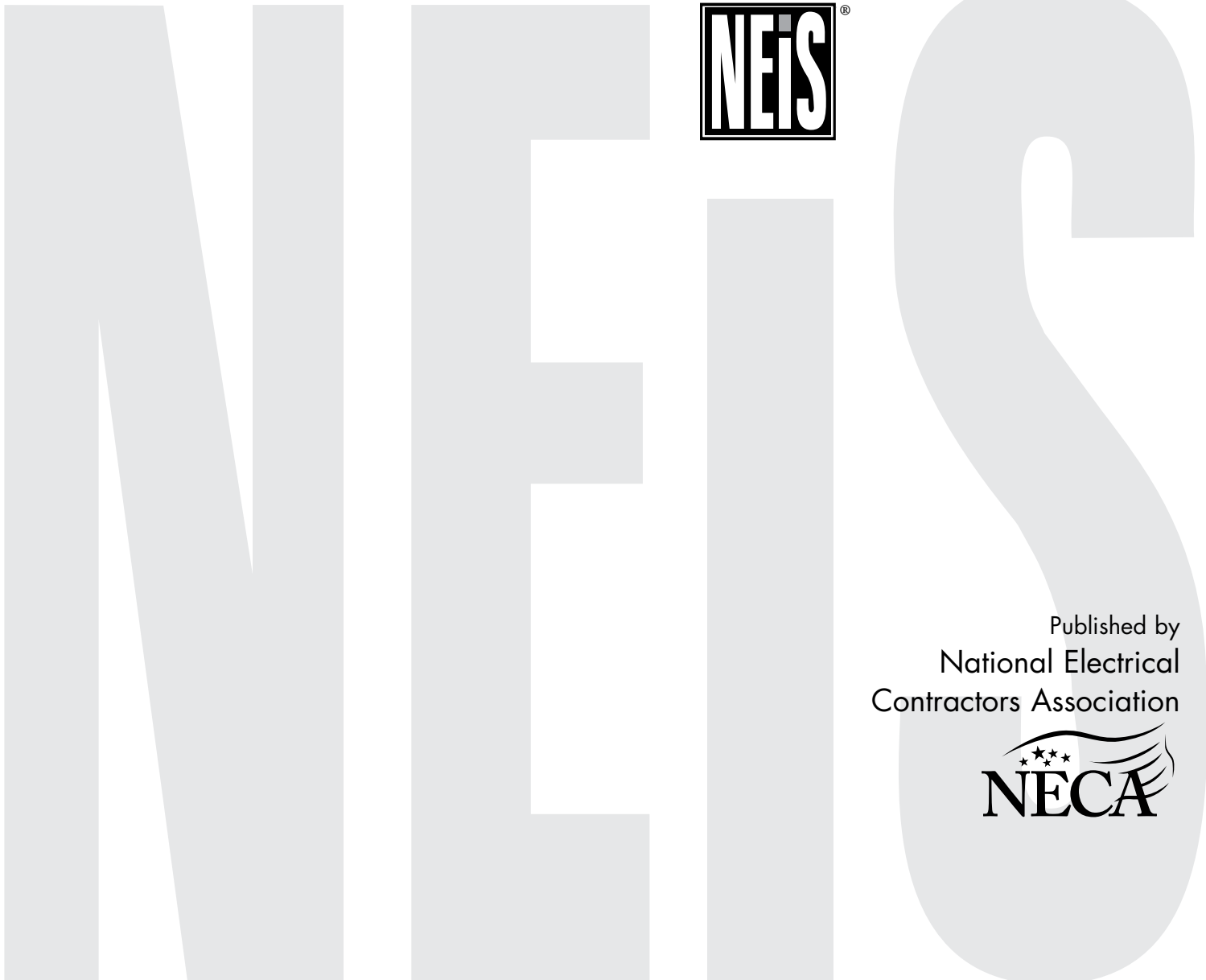
Published by
National Electrical Contractors Association

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National Standard**



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| Revision History | |
|------------------------------------|---------|
| NECA 402-2000 originally published | 12/2000 |
| NECA 402-2007 revised | 07/2007 |
| NECA 402-2014 revised | 09/2014 |

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(This foreword is not a part of the standard)

Foreword

National Electrical Installation Standards™ (NEIS®) are designed 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:

Motor control centers shall be installed and maintained in accordance with NECA 402, *Standard for Installing and Maintaining Motor Control Centers* (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 nonmember of NECA from specifying or using alternate construction methods permitted by applicable regulations.

This publication is intended to comply with the National Electrical Code (NEC). Because they are quality standards, *NEIS* may in some instances go beyond the minimum safety 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 Products and Applications Included

This standard describes the installation and maintenance procedures for low-voltage motor control centers (MCCs) rated 600 VAC or less with a horizontal bus rating of 2,500 amperes or less.

MCCs may be assembled with factory-installed dry-type transformers and panelboards. The testing and maintenance of such dry-type transformers is addressed in NECA 409, *Standard for Installing and Maintaining Dry-Type Transformers* (ANSI). The testing and maintenance of such panelboards is addressed in NECA 407, *Standard for Installing and Maintaining Panelboards* (ANSI).

1.2 Regulatory and Other Requirements

a) All information in this publication is intended to conform to the *National Electrical Code*® (ANSI/NFPA Standard 70). Installers should always follow the NEC®, applicable state and local codes, and manufacturer's instructions when installing electrical equipment and systems.

b) Only qualified persons as defined in the NEC familiar with the construction and installation of electrical power distribution and control systems and equipment should perform the technical work described in this publication. Administrative functions and other tasks can be performed under the supervision of a qualified person. All work should be performed in accordance with NFPA 70E, *Standard for Electrical Safety in the Workplace* (ANSI).

c) General requirements for installing electrical products and systems are described in NECA 1, *Standard for Good Workmanship in Electrical Construction* (ANSI). 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 A.