



Standard for
**Installing Medium-Voltage
Metal-Clad Switchgear**

NEIS



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1. Scope

This standard describes site preparation and installation of medium-voltage metal-clad switchgear rated 5 kV and 15 kV AC.

1.1 Products and Applications Included

1. Metal-clad switchgear
2. Vacuum circuit breakers
3. Indoor and outdoor locations
4. Testing, energizing, and commissioning

1.2 Equipment and Applications Excluded

1. Pad-mounted, compartmentalized switchgear
2. Metal-enclosed switchgear
3. Sulfur-Hexafluoride (SF₆) circuit breakers
4. Load interrupter switches
5. Underground installations
6. Transformers or unit substations
7. Station-type switchgear
8. Installation of conduits, conductors, cabling, or busways
9. Maintenance

1.3 Regulatory and Other Requirements

a) All information in this publication is intended to conform to the *National Electrical Safety Code* (ANSI/IEEE C2) and *National Electrical Code* (ANSI/NFPA 70). Installers should always follow the NESC, NEC, applicable state and local codes, manufacturer's instructions, and contract documents when installing medium-voltage metal-clad switchgear.

b) Only qualified persons familiar with medium-voltage metal-clad switchgear should perform the work described in this publication. It is recommended that all work be performed in accordance with NFPA 70E, *Standard for the Electrical Safety in the Workplace*.

c) General requirements for installing electrical products and systems are described in the latest version of NECA 1, *Standard Practices for Good Workmanship in Electrical Contracting* (ANSI). Other *NEIS* provide additional guidance for installing particular types of electrical products and systems. A complete list of *NEIS* is provided in Annex B.