

ANSI/NETA ECS-2020

**STANDARD FOR
ELECTRICAL COMMISSIONING
SPECIFICATIONS for Electrical Power Equipment
and Systems**

Secretariat
NETA (InterNational Electrical Testing Association)



Approved by
American National Standards Institute



American National Standard

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FOREWORD

(This Foreword is not part of American National Standard NETA ECS-2020)

The InterNational Electrical Testing Association (NETA) was formed in 1972 to establish uniform testing procedures for electrical equipment and systems. NETA has been an Accredited Standards Developer for the American National Standards Institute since 1996. NETA's scope of standards activity is different from that of IEEE, NECA, NEMA, and UL. In matters of testing electrical equipment and systems NETA continues to reference other standards developers' documents where applicable. NETA's review and updating of presently published standards takes into account both national and international standards. NETA's standards may be used internationally as well as in the United States. NETA firmly endorses a global standardization. IEC standards as well as American consensus standards are taken into consideration by NETA's ballot pools and reviewing committees.

The ANSI/NETA *Standard for Electrical Commissioning Specifications for Electrical Power Equipment and Systems* is the most current revision of this document and was approved as an American National Standard on September 9, 2019.

The ANSI/NETA *Standard for Electrical Commissioning Specifications for Electrical Power Equipment and Systems* should be used in conjunction with the most recent edition of ANSI/NETA *Standard for Acceptance Testing Specifications for Electrical Power Equipment and Systems*. Together, these standards provide the necessary specifications to test and commission electrical power equipment and systems. Furthermore, the NETA standards should be used together with other commissioning documents to expand the scope to include all of the applicable systems. Other systems may include mechanical, instrumentation, heating and refrigeration, and building systems.

The ANSI/NETA *Standard for Electrical Commissioning Specifications for Electrical Power Equipment and Systems* was developed for use by those responsible for testing and commissioning newly installed or retrofitted electrical power systems and equipment to guide them in specifying and performing the necessary inspections, tests, measurements, and system performance verifications to commission an electrical power system infrastructure. This document aids in ensuring safe, reliable operation of the electrical power equipment and systems. It is essential to commission newly installed and retrofitted electrical power equipment and systems. Additionally, acceptance testing of the equipment provides the baseline test results for maintenance programs and equipment trending, while commissioning verifies the electrical equipment and system meets the owner's project requirements and basis of design.



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