

ASME N511-2022
(Revision of ASME N511-2017)

In-Service Testing of Nuclear Air-Treatment, Heating, Ventilating, and Air-Conditioning Systems

AN AMERICAN NATIONAL STANDARD



**The American Society of
Mechanical Engineers**

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FOREWORD

This Standard covers the requirements for in-service testing of nuclear air-treatment, heating, ventilating, and air-conditioning systems in nuclear facilities that are designed, built, and acceptance tested in accordance with ASME AG-1.

This Standard provides a basis for the development of test programs, in-service test procedures, and corrective action requirements.

In 1971, what is now the ASME Committee on Nuclear Air and Gas Treatment was organized as ANSI N45.8 to develop standards for high-reliability air-cleaning equipment for nuclear facilities and corresponding tests to confirm performance of the equipment. In 1976, under the accredited organization rules, the Committee was reorganized as the ASME Committee on Nuclear Air and Gas Treatment. The scope of responsibility was broadened to include the development of codes and standards for design, fabrication, inspection, and testing of air-cleaning and air-conditioning components and appurtenances, as well as air-cleaning components used in engineering safety systems in nuclear facilities.

The first edition of ASME N511 was approved by the ASME Committee on Nuclear Air and Gas Treatment and the ASME Board of Nuclear Codes and Standards, and was subsequently approved as an American National Standard by the American National Standards Institute (ANSI) on October 30, 2007. ASME N511-2017 was approved by ANSI on November 1, 2017. ASME N511-2022 was approved by ANSI on June 22, 2022.