



# Fuel Assembly Identification

An American National Standard

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**American National Standard  
Fuel Assembly Identification**

Secretariat  
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## Foreword

(This foreword does not contain any requirements of American National Standard “Fuel Assembly Identification,” ANSI/ANS-57.8-2020, but is included for informational purposes.)

This standard describes a system for the unique identification of nuclear fuel assemblies. This uniqueness is achieved by the assignment of the following to each fuel assembly: (1) a fabricator or facility identification prefix and (2) a serial number. Although this standard was developed primarily for commercial light water reactor fuel, it may be used for any nonmobile reactor fuel contained in discrete fuel assemblies that can be identified with a serial number as specified by this standard.

This standard was originally developed to meet a need of the U.S. Atomic Energy Commission, now the U.S. Nuclear Regulatory Commission, for its Safeguards Program. Reporting and recordkeeping are necessary parts of this program. Because of the large volume of fuel needed to support commercial power reactors, a systematic method of fuel assembly identification is necessary to ensure that no two fuel assemblies manufactured in the United States have the same number; the reactor fuel can thus be accurately and expeditiously recorded. This standard provides such an identification system.

This standard does not incorporate the concepts of generating risk-informed insights, performance-based requirements, or a graded approach to quality assurance. The user is advised that one or more of these techniques could enhance the application of this standard.

This standard might reference documents and other standards that have been superseded or withdrawn at the time the standard is applied. A statement has been included in the references section that provides guidance on the use of references.

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