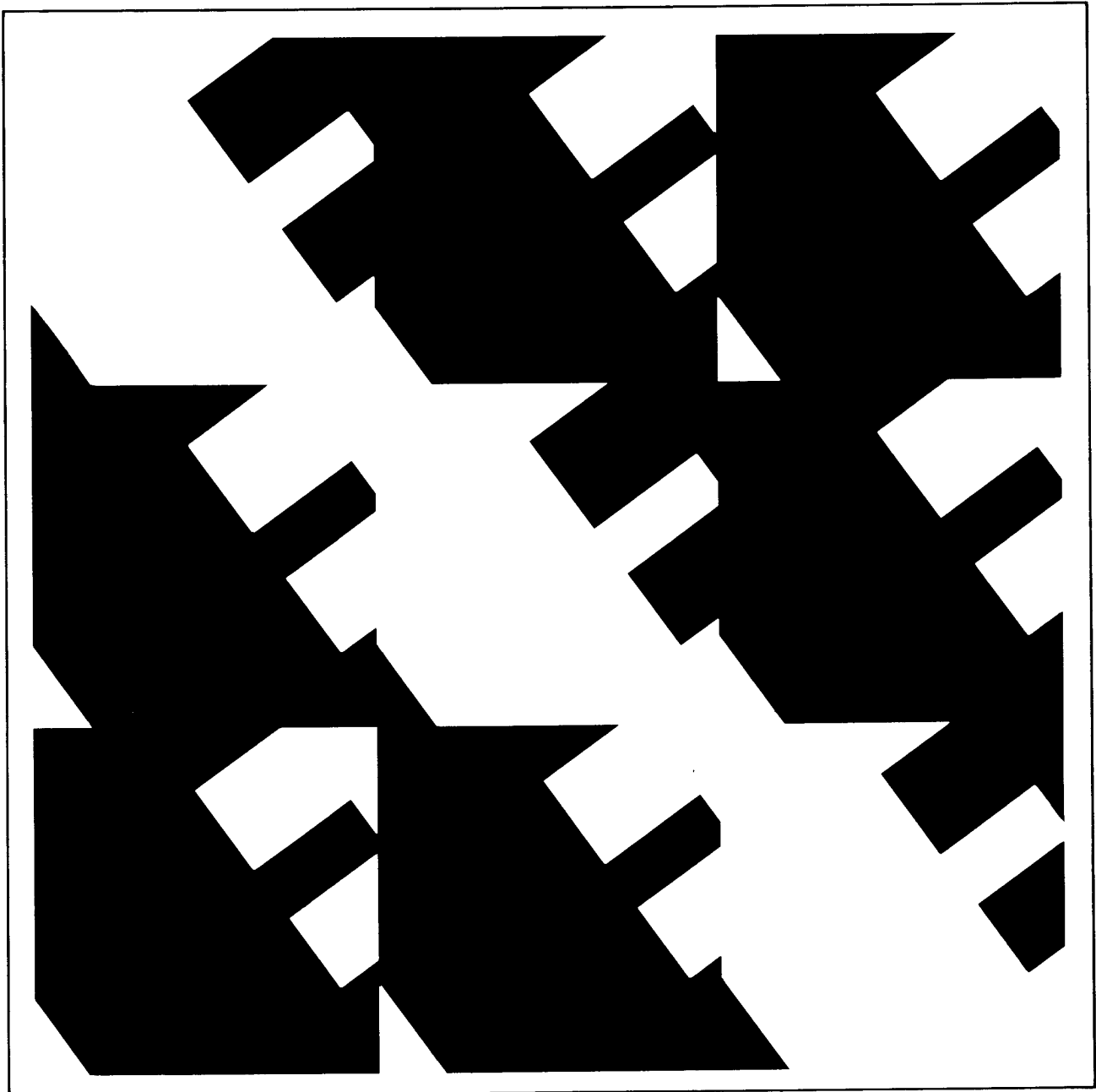


IEEE Standard Method for Identification of Documents Related to Class 1E Equipment and Systems for Nuclear Power Generating Stations



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1. Scope

This document establishes criteria for the uniform identification of documents significant to design, construction, testing, operation, and maintenance of Class 1E equipment and systems for nuclear power generating stations. It includes recommendations for identification of specific parts of these documents. Criteria are also established for identification on documents of redundant portions of Class 1E equipment and systems.

The quality assurance program, as applied to Class 1E equipment procurement, should provide records sufficient to meet the needs and requirements of IEEE Std 279-1971, Criteria for Protection Systems for Nuclear Power Generating Stations (ANSI N42.7-1972), and IEEE Std 308-1974, Standard Criteria for Class 1E Power Systems for Nuclear Power Generating Stations. Additional identification on procurement documents is, therefore, not required.

2. Purpose

The purpose of this document is to provide a method for identification of documents relating to Class 1E equipment and systems such that users of the documents will be able to recognize those systems which must meet the requirements set forth in IEEE Std 279-1971 (ANSI N42.7-1972) and IEEE Std 308-1974.

3. Definitions

Class 1E. The safety classification of the electric equipment and systems that are essential to emergency reactor shutdown, containment isolation, reactor core cooling, and contain-

ment and reactor heat removal, or otherwise are essential in preventing significant release of radioactive material to the environment.

documents. Drawings and other records significant to the design, construction, testing, maintenance, and operation of Class 1E equipment and systems for nuclear power generating stations.

NOTE: Within the context of this standard, documents include:

- (1) Drawings such as instrument diagrams, functional control diagrams, one line diagrams, schematic diagrams, equipment arrangements, cable and tray lists, wiring diagrams
- (2) Instrument data sheets
- (3) Design specifications
- (4) Instruction manuals
- (5) Test specifications, procedures, and reports
- (6) Device lists

Not to be included as documents within the context of this standard are: project schedules, financial reports, meeting minutes, correspondence such as letters and memoranda, and equipment procurement documentation covered by quality assurance programs.

nuclear safety related. That term used to call attention to safety classifications incorporated in the body of the document so marked.

NOTE: As used in this document, the term calls attention to the safety classification Class 1E.

redundant equipment or systems. A piece of equipment or a system that duplicates the essential function of another piece of equipment or a system to the extent that either may perform the required function regardless of the state of operation or failure of the other.

significant. Demonstrated to be important by the safety analysis of the station.

4. Requirements

4.1 Document Identification

4.1.1 Any document, as defined in Section 3, for Class 1E equipment and systems, in