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# **Examination Standard for Fire Alarm Signaling Systems**

**Class Number 3010**

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# Foreword

This standard is intended to verify that the products and services described will meet stated conditions of performance, safety and quality useful to the ends of property conservation. The purpose of this standard is to present the criteria for examination of various types of products and services.

Examination in accordance with this standard shall demonstrate compliance and verify that quality control in manufacturing shall ensure a consistent and reliable product.

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## 1 INTRODUCTION

### 1.1 Purpose

This standard states testing and certification requirements for fire alarm signaling systems and is largely based on NFPA 72® National Fire Alarm and Signaling Code 2013 Edition and other applicable certification standards.

- 1.1.1 Reference[s] to the appropriate [NFPA] paragraph[s] describing the specific requirement pertaining to a fire alarm signaling system is for additional information on a specific requirement.
- 1.1.2 This standard provides a guideline for typical tests that are required by the certification agency. The certification agency reserves the right to modify any test program as required to suit the specific tests needs of a given piece of equipment.
- 1.1.3 Testing and certification criteria may include, but are not limited to, performance requirements, critical documentation including marking requirements, examination of manufacturing facility (ies), audit of quality assurance procedures, and a surveillance program.

### 1.2 Scope

- 1.2.1 This standard applies to design, construction, operation, maintenance, and testing of permanently connected and permanently installed fire alarm signaling systems and associated components intended for indoor use in ordinary electrical locations. The functionality of a complete fire alarm or signaling system shall comply with the requirements of this standard.
- 1.2.2 The equipment covered by this standard [inter]connects to other peripheral equipment (initiating, notification and off-premises) to provide indicating and control functions associated with a commercial fire alarm system in accordance with NFPA 72.
- 1.2.3 Components comprising a certified fire alarm system and intended to provide a particular capability or feature, e.g. auxiliary power supplies, digital alarm communicator transmitters, will be examined including for compatibility with the particular systems with which they are to be used.
- 1.2.4 This standard provides the operating basis for alarm signaling and does not cover initiating devices and notification appliances as well as the use in damp, wet or hazardous (classified) locations (other standards apply).
- 1.2.5 Equipment covered by this standard may be combined with additional standards for use in other areas.
- 1.2.6 The requirements of this standard shall apply to systems, equipment, and components addressed in this standard and NFPA 72 [Chapters 7, 10, 12, 14, 17, 18, 21, 23, 24, 26 and 27].
- 1.2.7 The fire alarm and signaling system[s] purpose is [are] to provide: notification and location of alarm, supervisory, and trouble conditions; to alert the occupants; to summon aid; and to control emergency control functions such as releasing function.

### 1.3 Basis for Requirements

- 1.3.1 The requirements in this standard are based on experience, research and testing, and/or the standards of other organizations. The advice of manufacturers, users, trade associations, jurisdictions and/or loss control specialists was also considered.