

NFPA[®]

730

Guide for
Premises Security

2020



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NFPA® 730
Guide for
Premises Security
2020 Edition

This edition of NFPA 730, *Guide for Premises Security*, was prepared by the Technical Committee on Premises Security. It was issued by the Standards Council on November 4, 2019, with an effective date of November 24, 2019, and supersedes all previous editions.

This edition of NFPA 730 was approved as an American National Standard on November 24, 2019.

Origin and Development of NFPA 730

The genesis of NFPA 730 was a request in 1994 to develop a burglary/security document. The project did not materialize until 2000, when the Standards Council appointed a committee to develop a premises security document. The committee responded by developing two documents, NFPA 731, *Standard for the Installation of Electronic Premises Security Systems*, and NFPA 730, *Guide for Premises Security*.

The 2006 edition of NFPA 730 updated references and made other minor modifications. The chapter on Industrial Facilities was modified to include key control measures, security operations, infrastructure protection, and a new section on water treatment facilities.

The 2008 edition of NFPA 730 was updated to add new requirements for industrial security. Specifically, new material was added for the protection of water treatment facilities. Other changes reflected corrections, updated references, and clarifications.

The 2011 edition updated many of the references. The guide also added more material on crime prevention through environmental design (CPTED). The majority of the other changes were editorial in nature.

The 2014 edition was revised to update many of the referenced publications. Section 4.3 was revised to clarify some of the requirements of security planning, including the prioritization of risks identified in the security vulnerability assessments (SVA) and the frequency of when to review and update the SVA. This edition also added a graph that could be used as a guide to sort the risks identified in the SVA. The responsibility for the SVA was clarified, and other changes relative to the qualifications of the SVA provider were addressed. Section 8.4 also was revised to further detail both the need and criteria for protective lighting.

The major changes to the 2018 edition included the following:

- (1) All definitions in Chapter 3 were reviewed and correlated with those of NFPA 731, *Standard for the Installation of Electronic Premises Security Systems*.
- (2) The term *key* was replaced by *key/credential* throughout the document to provide for more modern technology such as access control cards and other means for unlocking or locking doors.
- (3) Subsections 5.2.3 and 5.3.2 pertaining to security planning and SVAs were revised to recognize that there are comparable security risk assessment methodologies and to provide guidance for certification organizations in security or crime prevention.
- (4) The terms *lockdown*, *lockout*, and *shelter-in-place* were added. Paragraph 11.1.3.2 pertaining to educational facilities, colleges, and universities was revised to provide for education and training for these conditions and to provide for semiannual security-related drills. Paragraph 11.2.1.3 addresses visitor identification. Paragraph 11.3.4.6 provides criteria for exterior portal windows and sidelights.

The 2020 edition saw an alignment of definitions between NFPA 730 and NFPA 731, *Standard for the Installation of Premises Security Systems*. The definitions of Chapter 3 have been reviewed and many revised to ensure consistency with those of NFPA 731. Definitions that are not used in NFPA 730 have

been deleted. The SI/metric conversions have been reviewed throughout the document, and many values have been revised to ensure conversion accuracy.

To provide greater security, additional criteria have been added pertaining to credentials for visitors entering a facility. The definition of *educational facility* has been revised to provide clarity relative to the requirements for K–12 and college and university buildings. Areas in the text have been addressed to provide information relative to foliage, shrubbery, and trees too close to buildings that could pose security risks. New criteria for network connectable products to address cybersecurity have been added.

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Committee Scope: This Committee shall have primary responsibility for documents on the overall security program for the protection of premises, people, property, and information specific to a particular occupancy. The Committee shall have responsibility for the installation of premises security systems.

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NFPA 730

Guide for

Premises Security

2020 Edition

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NOTICE: An asterisk (*) following the number or letter designating a paragraph indicates that explanatory material on the paragraph can be found in Annex A.

A reference in brackets [] following a section or paragraph indicates material that has been extracted from another NFPA document. Extracted text may be edited for consistency and style and may include the revision of internal paragraph references and other references as appropriate. Requests for interpretations or revisions of extracted text shall be sent to the technical committee responsible for the source document.

Information on referenced and extracted publications can be found in Chapter 2 and Annex G.

Chapter 1 Administration

1.1 Scope. This guide describes construction, protection, occupancy features, and practices intended to reduce security vulnerabilities to life and property.

1.1.1 NFPA 730 is referred to herein as “this guide” or “the guide.”

1.1.2 This guide should not supersede government statutes or regulations.

1.2* Purpose. The purpose of this guide is to provide criteria for the selection of a security program to reduce security vulnerabilities.

1.3 Application. The application of this guide is based on the risk considerations determined in Chapter 5.

1.4 Retroactivity.

1.4.1 This guide applies to both new and existing buildings, structures, and premises.

1.4.2 Existing buildings or installations that do not comply with the provisions of the referenced documents should be permitted to be continued in service.

1.5 Equivalency. Nothing in this guide is intended to prevent the use of systems, methods, or devices of equivalent or superior quality, strength, fire resistance, effectiveness, durability, and safety over those prescribed by this guide.

1.6 Units and Formulas.

1.6.1 SI Units. Metric units of measurement in this guide are in accordance with the modernized metric system known as the International System of Units (SI).

1.6.2 Primary and Equivalent Values. If a value for a measurement as given in this guide is followed by an equivalent value in other units, the first stated value should be regarded as the standard; the given equivalent value might be approximate.

1.6.3 Conversion Procedure. SI units have been converted by multiplying the quantity by the conversion factor and then rounding the result to the appropriate number of significant digits.

Chapter 2 Referenced Publications

2.1 General. The documents or portions thereof listed in this chapter are referenced within this guide and should be considered part of the recommendations of this document.

2.2 NFPA Publications. National Fire Protection Association, 1 Batterymarch Park, Quincy, MA 02169-7471.

NFPA 72®, *National Fire Alarm and Signaling Code*®, 2019 edition.

NFPA 101®, *Life Safety Code*®, 2018 edition.

NFPA 731, *Standard for the Installation of Electronic Premises Security Systems*, 2017 edition.

2.3 Other Publications.

2.3.1 BHMA Publications. Builders Hardware Manufacturers Association, 355 Lexington Avenue, 15th floor, New York, NY 10017.

ANSI/BHMA A156 Series, *Categories of Builders Hardware*.

ANSI/BHMA A156.3, *Exit Devices*, 2014.

2.3.2 UL Publications. Underwriters Laboratories Inc., 333 Pfingsten Road, Northbrook, IL 60062-2096.

UL 294, *Standard for Access Control System Units*, 2013.

UL 305, *Standard for Panic Hardware*, 1997, revised 2012.

UL 437, *Standard for Key Locks*, 2013.

UL 768, *Standard for Combination Locks*, 2013.

UL 1034, *Standard for Burglary-Resistant Electric Locking Mechanisms*, 2011.

UL 2802, *Standard for Performance Testing of Camera Image Quality*, 2013.

UL 2058, *Outline of Investigation for High-Security Electronic Locks*, 2005.

2.3.3 Other Publications.

Merriam-Webster's Collegiate Dictionary, 11th edition, Merriam-Webster, Springfield, MA 2003.

2.4 References for Extracts in Advisory Sections.

NFPA 72®, *National Fire Alarm and Signaling Code*®, 2016 edition.

NFPA 731, *Standard for the Installation of Electronic Premises Security Systems*, 2017 edition.

NFPA 5000®, *Building Construction and Safety Code*®, 2018 edition.

Chapter 3 Definitions

3.1 General. The definitions contained in this chapter apply to the terms used in this guide. Where terms are not defined in this chapter or within another chapter, they should be defined using their ordinarily accepted meanings within the context in which they are used. *Merriam-Webster's Collegiate Dictionary*, 11th edition, is the source for the ordinarily accepted meaning.

3.2 NFPA Official Definitions.

3.2.1* Approved. Acceptable to the authority having jurisdiction.

3.2.2* Authority Having Jurisdiction (AHJ). An organization, office, or individual responsible for enforcing the requirements of a code or standard, or for approving equipment, materials, an installation, or a procedure.

3.2.3 Guide. A document that is advisory or informative in nature and that contains only nonmandatory provisions. A guide may contain mandatory statements such as when a guide can be used, but the document as a whole is not suitable for adoption into law.

3.2.4 Labeled. Equipment or materials to which has been attached a label, symbol, or other identifying mark of an organization that is acceptable to the authority having jurisdiction and concerned with product evaluation, that maintains periodic inspection of production of labeled equipment or materials, and by whose labeling the manufacturer indicates compliance with appropriate standards or performance in a specified manner.

3.2.5* Listed. Equipment, materials, or services included in a list published by an organization that is acceptable to the authority having jurisdiction and concerned with evaluation of products or services, that maintains periodic inspection of production of listed equipment or materials or periodic evaluation of services, and whose listing states that either the equipment, material, or service meets appropriate designated standards or has been tested and found suitable for a specified purpose.

3.2.6 Shall. Indicates a mandatory requirement.

3.2.7 Should. Indicates a recommendation or that which is advised but not required.

3.3 General Definitions.

3.3.1* Access Control. The act of managing ingress or egress through a portal by validating a credential or an individual. [731, 2017]

3.3.2* Accessible Opening. An opening in a protected perimeter.

3.3.3 Alarm.

3.3.3.1* False Alarm. Notification of an alarm condition when no evidence of the event that the alarm signal was designed to report is found. [731, 2017]

3.3.3.2* Holdup Alarm. An alarm that originates from a point where holdup protection is used, such as a bank teller window or store cash register.

▲ **3.3.4* Annunciator.** A unit containing one or more visible or audible indicators, alphanumeric displays, monitors, or other equivalent means in which each indication provides status information about a circuit, condition, system, or location.

3.3.5 Area.

3.3.5.1* Controlled Area. A room, office, building, or facility to which access is monitored, limited, or controlled.

3.3.5.2* Restricted Area. A room, office, building, or facility to which access is strictly and tightly controlled.

3.3.6* Capacitance Sensor. A sensor that detects a change in capacitance when a person touches or comes in close proximity to an object.

3.3.7 Change Key/Credential. See 3.3.26.1.

3.3.8 Confidential Information. See 3.3.24.1.

3.3.9 Control Unit. A system component that monitors inputs and controls outputs through various types of circuits. [72, 2016]

3.3.10 Controlled Area. See 3.3.5.1.

3.3.11 Deterrent. Any physical or psychological device or method that discourages action.

● **3.3.12* Electromagnetic Lock.** A door lock that uses an electrically actuated magnetic attraction to secure the door.

3.3.13 Expanded Metal. An open mesh formed by slitting and drawing sheet metal, made in various patterns and metal thicknesses, with either a flat or irregular surface.

3.3.14 Facility Classification.

3.3.14.1 Educational Facility. A facility used for educational purposes through the twelfth grade and facilities of colleges and universities used by six or more persons for 4 or more hours per day or more than 12 hours per week.

3.3.14.2* Health Care Facilities. Buildings, portions of buildings, or mobile enclosures in which medical, dental, psychiatric, nursing, obstetrical, or surgical care is provided. [5000, 2018]

3.3.14.3 Industrial Facility. A facility in which products are manufactured or in which processing, assembling, mixing, packaging, finishing, decorating, or repair operations are conducted.

3.3.14.4 Lodging Facility. Facilities that provide housing and generally, but not always, food, beverage, meeting facilities, retail shops, recreational facilities, and other services, including but not limited to hotels, motels, motor hotels, resort hotels, inns, country clubs, and conference centers.