

**First Revision No. 4-NFPA 73-2023 [Section No. 1.3.1]****1.3.1***

This standard shall apply to hazardous conditions of electrical systems including, but not limited to, the following:

- (1) Safety hazards
- (2) Fire hazards
- (3) Shock hazards
- (4) Overheating conditions
- (5) Physical deterioration
- (6) Abuse
- (7) Noncompliant installations

A.1.3.1

See NFPA 70E[®] for assistance in determining the severity of potential shock or arc flash exposure, planning safe work practices, and selecting personal protective equipment.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 09:00:20 EDT 2023

Committee Statement

Committee Statement: The standard presently lacks any reference to safety protocols.

Response Message: FR-4-NFPA 73-2023



First Revision No. 2-NFPA 73-2023 [Section No. 1.3.7]

1.3.7

This standard does not define installation requirements ~~that might be desired for convenience or utilitarian purposes~~.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 08:48:49 EDT 2023

Committee Statement

Committee Statement: Text has been deleted to clarify that installation requirements are not defined.

Response Message: FR-2-NFPA 73-2023

[Public Input No. 52-NFPA 73-2023 \[Section No. 1.3.7\]](#)



First Revision No. 1-NFPA 73-2023 [Chapter 2]

Chapter 2 Referenced Publications

2.1 General.

The documents or portions thereof listed in this chapter are referenced within this standard and shall be considered part of the requirements of this document.

2.2 NFPA Publications.

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

NFPA 70®, *National Electrical Code®*, 2017 2026 edition.

2.3 Other Publications.

Merriam-Webster's Collegiate Dictionary, 11th edition, Merriam-Webster, Inc., Springfield, MA, 2003 2020 .

2.4 References for Extracts in Mandatory Sections.

NFPA 70®, *National Electrical Code®*, 2017 2023 edition.

NFPA 5000®, *Building Construction and Safety Code®*, 2021 edition.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 08:45:52 EDT 2023

Committee Statement

Committee Statement: The reference to NFPA 70, National Electrical Code, is updated to the 2023 edition as it is the most recently published. NFPA 5000 is added for newly extracted definition.

Response Message: FR-1-NFPA 73-2023

Public Input No. 54-NFPA 73-2023 [Chapter 2]

**First Revision No. 12-NFPA 73-2023 [Sections 3.3.1.1, 3.3.1.2]**

3.3.1.1 Accessible (as applied to equipment).

~~Admitting close approach; not guarded by locked doors, elevation, or other effective means. Capable of being reached for operation, renewal, and inspection . [70: , 400 2023]~~

3.3.1.2 Accessible (as applied to wiring methods).

~~Capable of being removed or exposed without damaging the building structure or finish, or not permanently closed in or blocked by the structure, other electrical equipment, or other building systems, or finish of the building. [70: , 400 2023]~~

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 09:46:56 EDT 2023

Committee Statement

Committee Statement: The definitions are revised to correlate with NFPA 70, National Electrical Code, 2023 edition

Response Message: FR-12-NFPA 73-2023

Public Input No. 55-NFPA 73-2023 [Sections 3.3.1.1, 3.3.1.2]

**First Revision No. 13-NFPA 73-2023 [Section No. 3.3.2]****3.3.2 Appliance.**

Utilization equipment, generally other than industrial, that is fastened in place, stationary, or portable; is normally built in standardized ~~sizes~~ size or ~~types~~ type; and is installed or connected as a unit to perform one or more functions such as clothes washing, air conditioning, food mixing, deep frying, and so forth. [~~70~~; , ~~400~~ 2023]

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 09:53:55 EDT 2023

Committee Statement

Committee Statement: The definition is revised to correlate with NFPA 70, National Electrical Code, 2023 edition

Response Message: FR-13-NFPA 73-2023

Public Input No. 57-NFPA 73-2023 [Section No. 3.3.2]

**First Revision No. 28-NFPA 73-2023 [New Section after 3.3.3]****3.3.6 Bathroom.**

An area including a sink with one or more of the following: a toilet, a urinal, a tub, a shower, a bidet, or similar plumbing fixtures. [**70**, 2023]

Submitter Information Verification

Committee: EFM-AAA

Submission Date: Mon Aug 07 10:53:41 EDT 2023

Committee Statement

Committee Statement: The definition of bathroom is being added as the term is presently used in Tables B.1(a) and (b).

Response Message: FR-28-NFPA 73-2023

**First Revision No. 29-NFPA 73-2023 [New Section after 3.3.3]****3.3.5 Basement.**

Any story of a building wholly or partly below grade plane that is not considered the first story above grade plane. [5000, 2021]

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 10:54:31 EDT 2023

Committee Statement

Committee Statement: The definition of basement is being added as the term is presently used in Tables B.1(a) and (b). The definition is extracted from NFPA 5000 Building Construction and Safety Code.

Response Message: FR-29-NFPA 73-2023

**First Revision No. 31-NFPA 73-2023 [New Section after 3.3.3]****3.3.4 Armored Cable (Type AC).**

A fabricated assembly of insulated conductors in a flexible interlocked metallic armor. [**70**, **2023**]

Submitter Information Verification

Committee: EFM-AAA

Submission Date: Mon Aug 07 11:08:53 EDT 2023

Committee Statement

Committee Statement: The definition of armored cable is being added as the term is presently used in 4.5.2.3

Response Message: FR-31-NFPA 73-2023

**First Revision No. 30-NFPA 73-2023 [New Section after 3.3.6]****3.3.10 Device.**

A unit of an electrical system, other than a conductor, that carries or controls electric energy as its principal function. [70, 2023]

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 10:58:37 EDT 2023

Committee Statement

Committee Statement: The definition of a device is being added as the term is presently used in 1.4.1, 1.4.2 and Table B.1(c).

Response Message: FR-30-NFPA 73-2023

**First Revision No. 14-NFPA 73-2023 [Section No. 3.3.6.1]****3.3.9.1* Grounded Conductor.**

A system or circuit conductor that is intentionally grounded. [~~70~~; , 400 2023]

A.3.3.9.1 Grounded Conductor.

Although an equipment grounding conductor is grounded, it is not considered a grounded conductor.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 09:56:31 EDT 2023

Committee Statement

Committee Statement: The definition is revised to correlate with NFPA 70, National Electrical Code, 2023 edition

Response Message: FR-14-NFPA 73-2023

Public Input No. 58-NFPA 73-2023 [Section No. 3.3.6.1]

**First Revision No. 15-NFPA 73-2023 [Section No. 3.3.6.2]****3.3.9.2*** Grounding Conductor, Equipment (EGC).

The A ~~conductive path(s) installed to connect that is part of an effective ground- fault current path and connects~~ normally non-current-carrying metal parts of equipment together and to the system grounded conductor or to the grounding electrode conductor, or both. [70: , 400 2023]

A.3.3.9.2 Grounding Conductor, Equipment (EGC).

It is recognized that the equipment grounding conductor also performs bonding.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 09:59:55 EDT 2023

Committee Statement

Committee Statement: The definition is revised to correlate with NFPA 70, National Electrical Code, 2023 edition

Response Message: FR-15-NFPA 73-2023

Public Input No. 59-NFPA 73-2023 [Section No. 3.3.6.2]

**First Revision No. 16-NFPA 73-2023 [Section No. 3.3.10]****3.3.14 Feeder.**

All circuit conductors between the service equipment, the source of a separately derived system, or other power supply source and the final branch-circuit overcurrent device. [[70](#), [2023](#)]

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 10:02:08 EDT 2023

Committee Statement

Committee Statement: The definition is revised to correlate with NFPA 70, National Electrical Code, 2023 edition

Response Message: FR-16-NFPA 73-2023

[Public Input No. 61-NFPA 73-2023 \[Section No. 3.3.10\]](#)

**First Revision No. 17-NFPA 73-2023 [Section No. 3.3.11 [Excluding any Sub-Sections]]**

Connected (connecting) to ground or to a conductive body that extends the ground location connection . [70: , 400 2023]

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 10:04:36 EDT 2023

Committee Statement

Committee Statement: The definition is revised to correlate with NFPA 70, National Electrical Code, 2023 edition

Response Message: FR-17-NFPA 73-2023

Public Input No. 62-NFPA 73-2023 [Section No. 3.3.11]

**First Revision No. 18-NFPA 73-2023 [Section No. 3.3.12]****3.3.16*** Ground-Fault Circuit Interrupter (GFCI).

A device intended for the protection of personnel that functions to de-energize a circuit or portion thereof within an established period of time when a ground-fault current ~~to ground~~ exceeds the values established for a Class A device. [70: , 400 2023]

A.3.3.16 Ground-Fault Circuit Interrupter (GFCI).

~~Class A~~ See UL 943, *Standard for Ground-Fault Circuit Interrupters*, for further information. Class A ground-fault circuit interrupters trip when the ~~current to ground~~ ground-fault current is 6 mA or higher and do not trip when the ~~current to~~ ground-fault current is less than 4 mA. ~~For further information, see UL 943, *Ground-Fault Circuit Interrupters*.~~ [70: , 400 2023]

Submitter Information Verification

Committee: EFM-AAA

Submission Date: Mon Aug 07 10:07:06 EDT 2023

Committee Statement

Committee Statement: The definition is revised to correlate with NFPA 70, National Electrical Code, 2023 edition

Response Message: FR-18-NFPA 73-2023

Public Input No. 63-NFPA 73-2023 [Section No. 3.3.12]

**First Revision No. 23-NFPA 73-2023 [New Section after 3.3.14]****3.3.20*** Location, Damp (Damp Location).

Locations protected from weather and not subject to saturation with water or other liquids but subject to moderate degrees of moisture. [70, 2023]

A.3.3.20 Location, Damp (Damp Location).

Examples of such locations include partially protected locations under canopies, marquees, roofed open porches, and like locations, and interior locations subject to moderate degrees of moisture, such as some basements, some barns, and some cold-storage warehouses.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 10:34:21 EDT 2023

Committee Statement

Committee Statement: The definition of a damp location is being added as the term is presently used in 4.1.2 and 4.5.2.3

Response Message: FR-23-NFPA 73-2023

**First Revision No. 24-NFPA 73-2023 [New Section after 3.3.14]****3.3.21*** Location, Wet (Wet Location).

A location that is one or more of the following: (1) Unprotected and exposed to weather, (2) Subject to saturation with water and other liquids, (3) Underground, (4) In concrete slabs or masonry in direct contact with the earth. [70, 2023]

A.3.3.21 Location, Wet (Wet Location).

A vehicle washing area is an example of a wet location saturated with water or other liquids.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 10:40:01 EDT 2023

Committee Statement

Committee Statement: The definition of a wet location is being added as the term is presently used in 4.1.2, 4.5.2.3 and 4.9.2

Response Message: FR-24-NFPA 73-2023

**First Revision No. 27-NFPA 73-2023 [New Section after 3.3.14]****3.3.19 Kitchen.**

An area with a sink and permanent provisions for food preparation and cooking.. [70, 2023]

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 10:51:04 EDT 2023

Committee Statement

Committee Statement: The definition of kitchen is being added as the term is presently used in Tables B.1(a), (b) and (c).

Response Message: FR-27-NFPA 73-2023

**First Revision No. 19-NFPA 73-2023 [Section No. 3.3.16]****3.3.23* Manufactured Home.**

A structure, transportable in one or more sections, which in the traveling mode is 2.4 m (8 ft) or more in width or 12.2 m (40 ft) or more in length, or when erected on site is 29.77 m² (320 ft²) or more is built on a permanent chassis and is designed to be used as a dwelling with or without a permanent foundation, whether or not connected to the utilities, and includes plumbing, heating, air conditioning, and electrical systems contained therein. The term *manufactured home* includes any structure that meets all the requirements of this paragraph except the size requirements and with respect to which the manufacturer voluntarily files a certification required by the regulatory agency. Calculations used to determine the number of square meters (square feet) in a structure are based on the structure's exterior dimensions and include all expandable rooms, cabinets, and other projections containing interior space, but do not include bay windows. [70: , 550-2 2023]

A.3.3.23 Manufactured Home.

Unless otherwise indicated, the term mobile home includes manufactured home and excludes park trailers. See the applicable building code for definition of the term permanent foundation. See 24 CFR Part 3280, Manufactured Home Construction and Safety Standards, of the Federal Department of Housing and Urban Development, for additional information on the definition.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 10:13:43 EDT 2023

Committee Statement

Committee Statement: The definition is revised to correlate with NFPA 70, National Electrical Code, 2023 edition

Response Message: FR-19-NFPA 73-2023

Public Input No. 64-NFPA 73-2023 [Section No. 3.3.16]

**First Revision No. 32-NFPA 73-2023 [New Section after 3.3.17]**

3.3.25 Nonmetallic-Sheathed Cable (Type NM).

Insulated conductors enclosed within an overall nonmetallic jacket. [70, 2023]

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 11:12:31 EDT 2023

Committee Statement

Committee Statement: The definition of nonmetallic-sheathed cable is being added as the term is presently used in 4.5.2.3

Response Message: FR-32-NFPA 73-2023

**First Revision No. 20-NFPA 73-2023 [Section No. 3.3.17]****3.3.24* Mobile Home.**

A factory-assembled structure or structures transportable in one or more sections that are built on a permanent chassis and designed to be used as a dwelling without a permanent foundation where connected to the required utilities and that include the plumbing, heating, air-conditioning, and electrical systems contained therein.
[70,550.2 2023]

A.3.3.24 Mobile Home.

Unless otherwise indicated, the term mobile home includes manufactured homes and excludes park trailers.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 10:21:38 EDT 2023

Committee Statement

Committee Statement: The definition is revised to correlate with NFPA 70, National Electrical Code, 2023 edition

Response Message: FR-20-NFPA 73-2023

Public Input No. 65-NFPA 73-2023 [Section No. 3.3.17]

**First Revision No. 21-NFPA 73-2023 [Section No. 3.3.22]****3.3.30* Receptacle.**

A contact device installed at the outlet for the connection of an attachment plug, or for the direct connection of electrical utilization equipment designed to mate with the corresponding contact device. A single receptacle is a single contact device with no other contact device on the same yoke or strap . A multiple receptacle is two or more contact devices on the same yoke or strap . [70: , 400 2023]

A.3.3.30 Receptacle.

A duplex receptacle is an example of a multiple receptacle that has two receptacles on the same yoke or strap.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 10:24:19 EDT 2023

Committee Statement

Committee Statement: The definition is revised to correlate with NFPA 70, National Electrical Code, 2023 edition

Response Message: FR-21-NFPA 73-2023

Public Input No. 66-NFPA 73-2023 [Section No. 3.3.22]

**First Revision No. 25-NFPA 73-2023 [New Section after 3.3.23]****3.3.32 Service Equipment.**

The necessary equipment, consisting of a circuit breaker(s) or switch(es) and fuse(s) and their accessories, connected to the serving utility and intended to constitute the main control and disconnect of the serving utility. [70, 2023]

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 10:43:25 EDT 2023

Committee Statement

Committee Statement: The definition of service equipment is being added as the term is presently used in 4.2.9.1

Response Message: FR-25-NFPA 73-2023

**First Revision No. 22-NFPA 73-2023 [Section No. 3.3.23]****3.3.31 Service.**

The conductors and equipment for ~~delivering electric energy from~~ connecting the serving utility to the wiring system of the premises served. [70: , 400 2023]

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 10:28:58 EDT 2023

Committee Statement

Committee Statement: The definition is revised to correlate with NFPA 70, National Electrical Code, 2023 edition

Public Input No. 67-NFPA 73-2023 [Section No. 3.3.23]



First Revision No. 26-NFPA 73-2023 [New Section after 3.3.24]

3.3.33 Surge-Protective Device (SPD).

A protective device for limiting transient voltages by diverting or limiting surge current; it also prevents continued flow of follow current while remaining capable of repeating these functions and is designated as follows: (1) Type 1: Permanently connected SPDs intended for installation between the secondary of a service transformer and the line side of the service entrance disconnect overcurrent device; (2) Type 2: Permanently connected SPDs intended for installation on the load side of the service disconnect overcurrent device, including SPDs located at the branch panel; (3) Type 3: Point of utilization SPDs. [70, 2023]

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 10:45:29 EDT 2023

Committee Statement

Committee Statement: Definitions for surge protection are added in support of new requirements.

Response Message: FR-26-NFPA 73-2023

**First Revision No. 33-NFPA 73-2023 [Section No. 4.1.1]****4.1.1* Installation and Use.**

~~Listed or labeled equipment~~ Equipment that is listed, labeled, or both, or identified for a use shall be installed and used in accordance with any instructions included in the listing, labeling or ~~labeling~~ identification . [70:110.3(B)]

A.4.1.1

The installation and use instructions may be provided in the form of printed material, quick response (QR) code, or the address on the internet where users can download the required instructions.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 11:17:25 EDT 2023

Committee Statement

Committee Statement: The language adds useful information about the installation and use of electrical equipment, and where the information may be found. This language is consistent with the NEC.

Response Message: FR-33-NFPA 73-2023

Public Input No. 68-NFPA 73-2023 [Section No. 4.1.1]

**First Revision No. 34-NFPA 73-2023 [Section No. 4.1.5]****4.1.5*** Electrical Connections.

Conductors of dissimilar metals shall not be intermixed in a terminal or splicing connector where physical contact occurs between dissimilar conductors ~~(such as copper and aluminum, copper and copper-clad aluminum, or aluminum and copper-clad aluminum),~~ unless the device is identified for the purpose and conditions of use.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 11:21:41 EDT 2023

Committee Statement

Committee Statement: Deleting this language is consistent with the NEC and will avoid any conflict with listed product instructions.

Response Message: FR-34-NFPA 73-2023

[Public Input No. 69-NFPA 73-2023 \[Section No. 4.1.5\]](#)

**First Revision No. 36-NFPA 73-2023 [New Section after 4.1.6]****4.1.7**

Electrical equipment shall be firmly secured to the surface on which it is mounted. [**70:** 110.13(A)]

Submitter Information Verification

Committee: EFM-AAA

Submission Date: Mon Aug 07 11:28:29 EDT 2023

Committee Statement

Committee Statement: Language from the NEC is added to recognize and require that equipment must be secured to the surface it is mounted on. Mechanical and building codes also address securement of appliances and equipment.

Response Message: FR-36-NFPA 73-2023

Public Input No. 13-NFPA 73-2023 [New Section after 4.1.6]

**First Revision No. 35-NFPA 73-2023 [Section No. 4.1.6]****4.1.6 Spaces About Electrical Equipment.**

~~Access and Working space, and access to and egress from~~ working space, shall be provided and maintained about all electrical equipment to permit ready and safe operation and maintenance of such equipment. [70:110.26]

Submitter Information Verification

Committee: EFM-AAA

Submission Date: Mon Aug 07 11:24:26 EDT 2023

Committee Statement

Committee Statement: Working space is required for all equipment. This language makes it clear that there must also be a way to enter and exit the working space.

Response Message: FR-35-NFPA 73-2023

Public Input No. 70-NFPA 73-2023 [Section No. 4.1.6]

**First Revision No. 37-NFPA 73-2023 [Section No. 4.2.5]****4.2.5**

Service conductors, outside feeders, and outside branch circuits shall have the ~~required~~ necessary clearances above ~~and from~~ roofs, ~~from~~ decks, balconies, ground, ~~from~~ building openings, and ~~from~~ swimming pools, spas, fountains, and similar installations to prevent accidental contact.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 11:33:41 EDT 2023

Committee Statement

Committee Statement: Dwelling units might have balconies, fountains, or other similar installations that require clearance from electrical conductors to avoid unintentional contact. There are many requirements in the NEC that define clearances for conductors and specific locations.

Response Message: FR-37-NFPA 73-2023

Public Input No. 71-NFPA 73-2023 [Section No. 4.2.5]

**First Revision No. 38-NFPA 73-2023 [Section No. 4.2.8.2]****4.2.8.2**

Service-entrance equipment, cables, raceways, or and conductors shall not show evidence of physical damage, overheating, corrosion, intrusion of foreign material, or other deterioration.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 11:36:57 EDT 2023

Committee Statement

Committee Statement: Foreign materials in equipment (like dust, lint, nests, etc.) can create a hazardous condition and should be noted and corrected.

Response Message: FR-38-NFPA 73-2023

[Public Input No. 15-NFPA 73-2023 \[Section No. 4.2.8.2\]](#)

[Public Input No. 72-NFPA 73-2023 \[Section No. 4.2.8.2\]](#)



First Revision No. 39-NFPA 73-2023 [New Section after 4.3.7]

4.3.8 Directory of Power Sources.

A plaque or directory identifying any other source(s) of power and the location(s) of their disconnects that is suitable to withstand the environment shall be provided adjacent to all service equipment.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 11:40:10 EDT 2023

Committee Statement

Committee Statement: Identifying all sources of power and their disconnects is necessary for the safety of service people and first responders.

Response Message: FR-39-NFPA 73-2023

Public Input No. 18-NFPA 73-2023 [New Section after 4.3.7]

**First Revision No. 40-NFPA 73-2023 [Section No. 4.4.4]****4.4.4**

Listed overcurrent protective devices, including circuit breakers and fuses, shall be used ~~or~~ and installed in accordance with any instructions included in the listing or labeling.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 11:45:24 EDT 2023

Committee Statement

Committee Statement: "And" more correctly reflects the requirement.

Response Message: FR-40-NFPA 73-2023

[Public Input No. 75-NFPA 73-2023 \[Section No. 4.4.4\]](#)



First Revision No. 41-NFPA 73-2023 [Section No. 4.4.5]

4.4.5

Where evidence of overfusing of or tampering with Edison-base ~~type fuseholders or fuses exists~~ or Edison-base supplementary overcurrent protection devices are used in place of listed ~~fuses exists~~ , Type S nontamperable adapters and fuses shall be installed.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 11:47:14 EDT 2023

Committee Statement

Committee Statement: This language is more inclusive of the potential problems with fused installations.

Response Message: FR-41-NFPA 73-2023

Public Input No. 23-NFPA 73-2023 [Section No. 4.4.5]

**First Revision No. 42-NFPA 73-2023 [Section No. 4.5.2.2]****4.5.2.2**

Single current-carrying conductors shall ~~not~~ be installed ~~unless they are~~ as part of a recognized wiring method such as knob-and-tube or approved raceway .

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 11:50:12 EDT 2023

Committee Statement

Committee Statement: This language is rewritten as a positive requirement, specifies that it applies to current-carrying conductors, and deletes the examples since there are many recognized wiring methods permitted.

Response Message: FR-42-NFPA 73-2023

[Public Input No. 26-NFPA 73-2023 \[Section No. 4.5.2.2\]](#)

**First Revision No. 43-NFPA 73-2023 [Sections 4.5.4.1, 4.5.4.2]****4.5.4.1** Insulated Grounded Conductor.

~~An insulated grounded conductor of 6 AWG or smaller shall be identified by a continuous white or gray outer finish along its entire length.~~

4.5.4.1.1

An insulated grounded conductor of 6 AWG or smaller shall be identified by a continuous white or gray outer finish along its entire length.

4.5.4.1.2

Insulated grounded conductors 4 AWG or larger shall be identified by a continuous white or gray outer finish, three continuous white or gray stripes, or a white or gray marking that encircles the conductor at the terminations.

4.5.4.1.3

~~No other~~ No branch-circuit or feeder conductors other than grounded conductors shall be identified by the color white or gray unless re-identified in accordance with NEC 200.7(C).

4.5.4.2

~~No other conductors shall be identified by the color white or gray.~~

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 11:52:50 EDT 2023

Committee Statement

Committee Statement: The changes are in harmony with the National Electrical Code marking requirements for grounded conductors. Conductors 4 AWG and larger may be used for large appliances, panelboards, and service conductors in dwelling units. Section 4.5.4.1.3 was revised to allow for re-identification.

Response Message: FR-43-NFPA 73-2023

Public Input No. 76-NFPA 73-2023 [Sections 4.5.4.1, 4.5.4.2]

**First Revision No. 44-NFPA 73-2023 [Section No. 4.5.4.3]****4.5.4.2** Grounded Circuit Conductors.

~~Grounded circuit conductors in branch circuits shall not be connected to non-current-carrying metal parts, except for existing branch-circuit installations for electric ranges, wall-mounted ovens, counter-mounted cooking units, clothes dryers, and outlet or junction boxes that are part of the circuit for these appliances where an equipment grounding conductor is not present. The frames for these appliances shall be permitted to be connected to the grounded circuit conductor if all the following conditions are met:~~

~~The supply circuit is 120/240-volt, single-phase, 3-wire; or 208Y/120-volt derived from a 3-phase, 4-wire, wye-connected system.~~

~~The grounded conductor is not smaller than 10 AWG copper or 8 AWG aluminum.~~

~~The grounded conductor is insulated, or the grounded conductor is uninsulated and part of a Type SE service-entrance cable and the branch circuit originates at the service equipment.~~

~~Grounding contacts of receptacles furnished as part of the equipment are bonded to the equipment.~~

4.5.4.2.1

Grounded circuit conductors in branch circuits shall not be connected to non-current-carrying metal parts.

4.5.4.2.2

~~except for existing~~ For branch-circuit installations for electric ranges, wall-mounted ovens, counter-mounted cooking units, clothes dryers, and associated outlet or junction boxes that are were installed without an equipment grounding conductor as part of the circuit, for these appliances where an equipment grounding conductor is not present. The frames the frames and boxes for these appliances shall be permitted to be connected to the grounded circuit conductor if all the following conditions are met: list items 4.5.4.2.2 (1), 4.5.4.2.2 (2), and 4.5.4.2.2 (3) are met and the grounded conductor complies with either list item 4.5.4.2.2 (4) or 4.5.4.2.2 (5):

- (1) The supply circuit is 120/240-volt, single-phase, 3-wire; or 208Y/120-volt derived from a 3-phase, 4-wire, wye-connected system.
- (2) The grounded conductor is not smaller than 10 AWG copper or 8 AWG aluminum.
- (3) Grounding ~~The grounding~~ contacts of receptacles furnished as part of the equipment are bonded to the equipment.
- (4) The grounded conductor is insulated, or the grounded conductor is uninsulated and part of a Type SE service-entrance cable and the branch circuit originates at the service equipment.
- (5) The grounded conductor is part of a Type SE service-entrance cable that originates in equipment other than a service and is insulated or field covered within the supply enclosure with listed insulating material, such as tape or sleeving to prevent the uninsulated conductor from contacting any normally non-current-carrying metal parts.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 11:57:16 EDT 2023

Committee Statement

Committee Statement: The language was updated to harmonize with the NEC requirements. The reference to "existing" installations was removed since this standard applies only to circuits found in existing dwellings.

Response Message: FR-44-NFPA 73-2023

Public Input No. 29-NFPA 73-2023 [Section No. 4.5.4.3]

**First Revision No. 45-NFPA 73-2023 [Section No. 4.6]****4.6 Flexible Cords, and Cables Flexible Cables, and Relocatable Power Taps .****4.6.1**

~~Flexible cords and cables~~ , flexible cables, and relocatable power taps shall not be used as follows:

- (1) As a substitute for the fixed wiring of a structure
- (2) Where run through holes in walls, ceilings, or floors
- (3) Where run through doorways or windows, under carpets, and so forth
- (4) Where attached to building surfaces
- (5) To hang or support any type of electrical utilization equipment unless listed to be applied in that manner

4.6.2*

~~Flexible cords or cables~~ , flexible cables, and relocatable power taps used as a substitute for fixed wiring to supply outlets in rooms or areas shall be removed and, where required, shall be replaced with permanently installed receptacles using an approved wiring method.

A.4.6.2

A relocatable power tap is commonly referred to as a plug strip, power bar, etc. Relocatable power taps are listed under UL 1363, *Relocatable Power Taps* , which states that they are required to be plugged into a branch circuit outlet and are not intended for use as fixed wiring.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 14:09:51 EDT 2023

Committee Statement

Committee Statement: Relocatable power taps are not intended to be used as a substitute for fixed wiring.

Response Message: FR-45-NFPA 73-2023

Public Input No. 30-NFPA 73-2023 [Section No. 4.6]

**First Revision No. 46-NFPA 73-2023 [Section No. 4.7.2]****4.7.2 Raceway Terminations.**

~~Raceways shall be terminated in fittings or connectors that are designed for the specific wiring method with which they are used.~~

4.7.2.1

Raceways shall be terminated in fittings or connectors that are designed for the specific wiring method with which they are used.

4.7.2.2*

Short sections of raceway used for the protection or support of other wiring methods shall not be required to terminate in a fitting or connector, unless required for abrasion protection.

A.4.7.2.2

Short sections of raceway used for the protection or support of other wiring methods are typically not required to be installed complete between terminations or connections.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 14:14:57 EDT 2023

Committee Statement

Committee Statement: The language was modified to recognize that short sections of raceway used for protection or support of other wiring methods may or may not need a connector or fitting depending on the type of raceway and the installed cable running through the raceway. Information was added to the Annex to inform the Standard user that short sections of raceway used for protection or support are typically not required to be run as complete raceway installations.

Response Message: FR-46-NFPA 73-2023

Public Input No. 31-NFPA 73-2023 [Section No. 4.7.2]

**First Revision No. 47-NFPA 73-2023 [Section No. 4.8.1]****4.8.1** Damage.

~~Luminaire taps and branch-circuit supply conductors shall not show evidence of damage or deterioration from overheating.~~

4.8.1.1

~~Luminaire taps and branch-circuit~~ Branch-circuit supply conductors shall not show evidence of damage or deterioration from overheating.

4.8.1.2

No part of the luminaire shall show evidence of damage or deterioration from overheating or contaminants.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 14:19:40 EDT 2023

Committee Statement

Committee Statement: Luminaires are part of the electrical system and could be hazardous if damaged or overheated. The reference to taps was removed since the conductors inspected are all part of the branch circuit.

Response Message: FR-47-NFPA 73-2023

Public Input No. 32-NFPA 73-2023 [Section No. 4.8.1]

**First Revision No. 48-NFPA 73-2023 [New Section after 4.8.2]****4.8.3**

All conductors in the box shall be completely enclosed.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 14:22:23 EDT 2023

Committee Statement

Committee Statement: Wires protruding from under canopies could be subject to physical damage.

Response Message: FR-48-NFPA 73-2023

Public Input No. 33-NFPA 73-2023 [Section No. 4.8.2]

**First Revision No. 49-NFPA 73-2023 [Section No. 4.8.6]****4.8.7**

Incandescent luminaires with open or partially enclosed lamps and ~~pendent~~ pendant luminaires or lampholders shall not be installed in clothes closets.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 14:23:31 EDT 2023

Committee Statement

Committee Statement: This corrects the spelling of pendant.

Response Message: FR-49-NFPA 73-2023

[Public Input No. 77-NFPA 73-2023 \[Section No. 4.8.6\]](#)

**First Revision No. 50-NFPA 73-2023 [Section No. 4.9.4]****4.9.4**

All unused openings in boxes or enclosures shall be closed using a material that ~~meets or exceeds the wall thickness or characteristic of the box or enclosure~~ to afford protection substantially equivalent to the wall of the equipment .

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 14:24:53 EDT 2023

Committee Statement

Committee Statement: The existing language was changed to harmonize with the NEC.

Response Message: FR-50-NFPA 73-2023 The language about faceplates, etc. is more appropriately addressed in 4.10.2.

[Public Input No. 34-NFPA 73-2023 \[Section No. 4.9.4\]](#)

**First Revision No. 51-NFPA 73-2023 [Section No. 4.10]****4.10** ~~General-Use Switches and Receptacles~~ Receptacles, Switches, and Other Wired Control Devices .**4.10.1**

Enclosures shall be fastened in place.

4.10.2

Faceplates shall ~~not be damaged or missing.~~ comply with the following:

- (1) ~~not be~~ Not damaged or missing
- (2) Be suitable for the device and enclosure
- (3) Be securely fastened to the device or enclosure

4.10.3

Connection of conductors to termination points shall ensure tight connections without showing evidence of arcing or overheating.

4.10.4

~~Switches and receptacles~~ Receptacles, switches, and other wired control devices shall be fastened in place and shall not show evidence of overheating or physical damage.

4.10.5

The function of receptacles, switches, and ~~receptacles~~ other wired control devices shall not be impaired by physical damage.

4.10.6

~~Switches and receptacles~~ Receptacles, switches, and other wired control devices shall not be painted or have other coatings applied unless listed for such use.

4.10.7*

Receptacle wiring shall comply with 4.10.7.1 through 4.10.7.3.

4.10.7.1 Testing.**4.10.7.1.1**

Receptacles shall have correct wiring when tested with a listed receptacle tester.

4.10.7.1.2

The tester shall provide indications when branch circuit conductors are not connected to the intended terminals on the receptacle.

4.10.7.2

Where receptacles and branch-circuit conductors are identified for polarization, receptacles shall be correctly polarized.

4.10.7.3

All grounding-type receptacles shall be grounded or ~~shall~~ have ground-fault circuit-interrupter protection where installed on a circuit that does not have an equipment grounding conductor.

4.10.8

Receptacles shall be replaced when ~~found to be worn to the extent that~~ blade retention or contact is adversely affected.

4.10.9

Switches shall be rated for the connected load.

4.10.10

The grounded conductor of branch circuits shall not be switched unless both grounded and ungrounded conductors are simultaneously disconnected.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 14:27:38 EDT 2023

Committee Statement

Committee Statement: Devices like occupancy sensors also need to meet these requirements. Faceplates must be suitable for the enclosure and device. Contaminants in the contact device can create a hazardous condition by reducing blade contact.

Response Message: FR-51-NFPA 73-2023

[Public Input No. 35-NFPA 73-2023 \[Section No. 4.10\]](#)

[Public Input No. 2-NFPA 73-2021 \[Section No. 4.10.2\]](#)

[Public Input No. 3-NFPA 73-2021 \[Section No. 4.10.8\]](#)



First Revision No. 3-NFPA 73-2023 [New Section after 5.1.2]

5.1.3

Receptacles shall have GFCI protection that operates as intended when they are located in areas where the adopting statute requires GFCI protection at the time of the inspection.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 08:52:51 EDT 2023

Committee Statement

Committee Statement: GFCI protection provides shock protection when present, installed correctly, and operating as intended. Its absence in areas requiring GFCI protection constitutes a dangerous condition, regardless of the time of adoption. However, it is not appropriate for NFPA 73 to hold existing dwellings to a higher standard than the AHJ specifies for new construction. This modification supports the scope at Section 1.1

Response Message: FR-3-NFPA 73-2023

**First Revision No. 5-NFPA 73-2023 [New Section after 5.2.6]****5.2.7**

The operating integrity of alarms shall not be compromised by materials such as paint or dust.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 09:01:36 EDT 2023

Committee Statement

Committee Statement: Alarms often are painted or otherwise blocked, either intentionally or by overspray when masking is neglected or inadequate. Though they may not have reached end of life, blocked or partially blocked openings can result in the alarm not working properly.

Response Message: FR-5-NFPA 73-2023

Public Input No. 36-NFPA 73-2023 [New Section after 5.2]

**First Revision No. 6-NFPA 73-2023 [Section No. 5.3.2]****5.3.2**

If a protective device rating is marked on an appliance, the branch circuit overcurrent device rating shall ~~not exceed the protective device rating marked on the appliance~~ comply with the marking .

5.3.3

Where an appliance is listed or identified for use on an individual branch circuit, the following shall apply:

- (1) The branch circuit serves no other loads.
- (2) A cord-and-plug connected appliance is supplied by a single receptacle.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 09:07:38 EDT 2023

Committee Statement

Committee Statement: New requirements clarify the importance of appliance branch circuit protection. Existing homes often feature added loads that did not exist at the time of construction.

Response Message: FR-6-NFPA 73-2023

Public Input No. 38-NFPA 73-2023 [Section No. 5.3.2]



First Revision No. 7-NFPA 73-2023 [New Section after 5.5]

5.6 Motor-Operated Equipment.

5.6.1

Motor-operated equipment shall allow integral motors to turn freely and operate as intended.

5.6.2

Operation shall not exhibit evidence of impending failure.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 09:13:20 EDT 2023

Committee Statement

Committee Statement: New requirements address the hazards associated with aging motor-operated equipment.

Response Message: FR-7-NFPA 73-2023

Public Input No. 39-NFPA 73-2023 [New Section after 5.3]



First Revision No. 8-NFPA 73-2023 [New Section after 5.5]

5.7 Surge Protection Devices (Overvoltage Protection).

Permanently installed Type 1 or Type 2 surge protection devices and point of utilization Type 3 surge protection devices shall not show indication of failure.

Submitter Information Verification

Committee: EFM-AAA

Submission Date: Mon Aug 07 09:19:21 EDT 2023

Committee Statement

Committee Statement: Surge protection devices (overvoltage protection) requirements are added in support of Section 1.2 Purpose for evaluating the safety of installed electrical systems.

Receptacle general installation requirements, including replacement of receptacles, are addressed in Section 406.4 of NFPA 70, National Electrical Code.

Response Message: FR-8-NFPA 73-2023

Public Input No. 43-NFPA 73-2023 [New Section after 5.3]

**First Revision No. 9-NFPA 73-2023 [Section No. 5.5]****5.5 Ceiling-Suspended (Paddle) Fans.**

~~Ceiling-suspended (paddle) fans shall be secured to the ceiling structure to allow the fan to operate as designed without visible vertical movement and with minimal vibration or wobble.~~

5.5.1

Ceiling-suspended (paddle) fans shall be secured to the ceiling structure to allow the fan to operate as designed without visible vertical movement and with minimal vibration or wobble.

5.5.2

The canopies of ceiling-suspended fans shall be fastened in place and installed so that their wiring is completely enclosed.

Submitter Information Verification

Committee: EFM-AAA

Submittal Date: Mon Aug 07 09:21:28 EDT 2023

Committee Statement

Committee Statement: The paragraph is revised to correlate with existing requirements at 4.8.2 and note the safety importance of wiring being completely enclosed in canopies.

Response Message: FR-9-NFPA 73-2023

Public Input No. 41-NFPA 73-2023 [Section No. 5.5]



First Revision No. 11-NFPA 73-2023 [Section No. B.1]

B.1

The age of the dwelling unit plays a role in defining when electrical safety items were required by *NFPA 70(NEC)*. Table B.1(a) through Table B.1(c) permit the home inspector to easily share, with anyone questioning cited safety concerns, the safety requirements that should be in place in accordance with the age of the dwelling unit.

Table B.1(a) *NEC* GFCI Protection Requirements (for Dwelling Units, Mobile Homes, and Manufactured Homes)
— Alphabetical Listing by Area

<u>Area</u>	<u>Description</u>	<u>NEC Edition, Section</u>
<u>Accessory buildings and garages</u>	<u>Receptacles in grade-level portions</u>	<u>1996, 210-8(a)(2)</u>
<u>Accessory buildings and garages</u>	<u>Receptacles where the floor is located at or below grade level</u>	<u>1999, 210-8(a)(2)</u>
<u>Appliances</u>	<u>Cord-and-plug-connected appliances subject to immersion</u>	<u>2002, 422.41</u>
<u>Basement</u>	<u>Receptacles in basements</u>	<u>1987, 210-8(a)(4)</u>
<u>Basements, unfinished</u>	<u>Receptacles in unfinished basements</u>	<u>1990, 210-8(a)(4)</u>
<u>Bathroom</u>	<u>Receptacles in bathrooms</u>	<u>1975, 210-8(a)</u>
<u>Bathroom floors and hydromassage bathtub, spa, and hot tub locations</u>	<u>Heating cables in electrically heated floors</u>	<u>2002, 422.44(G)</u>
<u>Boat hoists</u>	<u>Outlets</u>	<u>2002, 210.8(C)</u>
<u>Boathouses</u>	<u>Receptacles in boathouses</u>	<u>1987, 210-8(a)(6)</u>
<u>Crawl spaces</u>	<u>Receptacles at or below grade level</u>	<u>1990, 210-8(a)(4)</u>
<u>Crawl spaces</u>	<u>Lighting outlets not exceeding 120 volts</u>	<u>2017, 210.8(E)</u>
<u>Dwelling unit</u>	<u>Receptacles within 6 ft of all sinks</u>	<u>2014, 210.8(A)(7)</u>
	<u>Receptacles within 6 ft of bathtubs or shower stalls</u>	<u>2014, 210.8(A)(9)</u>
	<u>All 125-volt through 250-volt receptacles in required locations</u>	<u>2020, 210.8(A)(1) through (11)</u>
	<u>Receptacles in indoor damp or wet locations</u>	<u>2020, 210.8(A)(11)</u>
	<u>Sump pumps</u>	<u>2020, 422.5(A)(6)</u>
	<u>Receptacles for electric vehicle charging</u>	<u>2020, 625.54 and 625.60(D)</u>
	<u>Receptacles in areas with sinks and permanent provisions for food or beverage preparation or cooking</u>	<u>2023, 210.8(A)(7)</u>
	<u>Outlets supplying electric ranges, wall-mounted ovens, counter-mounted cooking units, clothes dryers, and microwave ovens</u>	<u>2023, 210.8(D)</u>
	<u>Outdoor outlets</u>	<u>2020, 210.8(F)</u>
<u>Electric drinking fountains</u>	<u>Electric drinking fountains</u>	<u>2008, 422.52</u>
<u>Fountains</u>	<u>Branch circuits supplying fountain equipment</u>	<u>1975, 680-41(a)</u>
<u>Fountains</u>	<u>Receptacles within 20 ft</u>	<u>2005, 680.58</u>
<u>Garage</u>	<u>Receptacles in garages</u>	<u>1978, 210-8</u>
<u>Kitchen</u>	<u>Countertop receptacles within 6 ft of kitchen sink</u>	<u>1987, 210-8(a)(5)</u>
	<u>All countertop receptacles</u>	<u>1996, 210-8(a)(6)</u>
	<u>Dishwasher outlets</u>	<u>2014, 210.8(D)</u>
	<u>All receptacles</u>	<u>2023, 210.8(A)(6)</u>
<u>Laundry areas</u>	<u>Receptacles near laundry and utility sinks</u>	<u>2005, 210.3</u>
<u>Laundry areas</u>	<u>All receptacles in laundry areas</u>	<u>2014, 210.8(A)(10)</u>
<u>Luminaires</u>	<u>Replacements where no equipment grounding conductor exists</u>	<u>2005, 410.18(B) Exception No. 2</u>
<u>Mobile homes</u>	<u>Receptacle outlets installed outdoors and in bathrooms</u>	<u>1978, 550-6(b) and 550-8(b)</u>
<u>Mobile homes and manufactured homes</u>	<u>Pipe heating cable outlets</u>	<u>1999, 550-8(g)</u>
<u>Nonmetallic extensions</u>	<u>Source tap device</u>	<u>2008, 382.6</u>
<u>Other than kitchens</u>	<u>Receptacles within 6 ft of all sinks</u>	<u>2011, 210.8(A)(7)</u>

<u>Area</u>	<u>Description</u>	<u>NEC Edition, Section</u>
Outdoor	Outdoor receptacles	1975, 210-22(d)
Outdoor	Receptacles with grade-level access	1981, 210-8(a)(3)
Replacement	Receptacles at non-grounded outlets	1984, 210-7(d) Exception
Replacement	Receptacles where GFCI protection currently required	1993, 210-7(d)
Spas and hot tubs	Outdoor installations – receptacles near the inside walls of spa or hot tub	1981, 680-40
	Outdoor installations – nearby luminaires and lighting outlets	1981, 680-40
	Indoor installations – receptacles located near the inside walls of spa or hot tub	1981, 680-41(a)(2)
	Indoor installations – receptacles that provide power for spa or hot tub	1981, 680.41(a)(3)
	All wiring of spas, hot tubs, and components	1993, 680-42
Swimming pools	Underwater lighting	1962, 680-4(g)
	Receptacles near swimming pools	1971, 680-6
	Luminaires and lighting outlets near swimming pool	1975, 680-6(b)
	All electric equipment, including power supply cords, used with storable swimming pools	1975 1, 680-31
	Cord-connected pool filter pumps (storable pool)	2008, 680.31
	Outlets supplying pool pump motors	2008, 680.22(B)
	Outlets supplying repaired or replaced pool pump motors	2020, 680.21(D)
	Pool cover motors and controllers	1984, 680-26(b)
	Lights or ceiling suspended paddle fans at lower heights	1993, 680-6(b)
	Gas-fired water heater	2017, 680.28
	Storable pool equipment	1971, 680-31
Temporary wiring	Receptacles not part of the permanent wiring	1975 1, 210-7
Under floor covering	Heating cables, heating panels or heating panel sets	2017, 424.45(E) and 424.99(B)(5)
Underground	Branch circuits rated 120 volts or less and maximum overcurrent protection of 20 amperes	1990, Table 300-5
Vending machines	Cord-and-plug-connected vending machines	2005, 422.51
Wet bar sinks	Receptacles near wet bar sinks	1993, 210-8(a)(5)

Note: This table shows the NEC dates of the initial GFCI requirements for given areas. The locations and expansion of GFCI requirements may vary in subsequent editions. Exceptions may often apply. Refer to the appropriate NEC edition and section.

Table B.1(b) NEC GFCI Protection Requirements (for Dwelling Units, Mobile Homes, and Manufactured Homes)
— Listed by NEC Edition

<u>Area</u>	<u>Description</u>	<u>NEC Edition, Section</u>
Swimming pools	Underwater lighting	1962, 680-4(g)
	Receptacles near swimming pools	1971, 680-6
	Storable pool equipment	1971, 680-31
Outdoors	Receptacles	1971, 210-22(d)
Bathroom	Receptacles in bathrooms	1975, 210-8(a)
Fountains	Branch circuits supplying fountain equipment	1975, 680-41(a)
Outdoor	Outdoor receptacles	1975 1, 210-22(d)
Swimming pools	Luminaires and lighting outlets near swimming pool	1975, 680-6(b)
	All electric equipment, including power supply cords, used with storable swimming pools	1975 1971, 680-31
Temporary wiring	Receptacles not part of the permanent wiring	1975 1971, 210-7

<u>Area</u>	<u>Description</u>	<u>NEC Edition, Section</u>
Garage	Receptacles in garages	1978, 210-8
Mobile homes	Receptacle outlets installed outdoors and in bathrooms	1978, 550-6(b) and 550-8(b)
Spas and hot tubs	Outdoor installations – receptacles near the inside walls of pool	1981, 680-40
	Outdoor installations – nearby luminaires and lighting outlets	1981, 680-40
	Indoor installations – receptacles located near the inside walls of spa or hot tub	1981, 680-41(a)(2)
	Indoor installations – receptacles that provide power for spa or hot tub	1981, 680-41(a)(3)
Outdoors	Receptacles with grade-level access	1981, 210-8(a)(3)
Replacement	Receptacles at non-grounded outlets	1984, 210-7(d) Exception
Swimming pools	Pool cover motors and controllers	1984, 680-26(b)
Basement	Receptacles in basements	1987, 210-8(a)(4)
Boathouses	Receptacles in boathouses	1987, 210-8(a)(6)
Kitchen	Countertop receptacles within 6 ft of kitchen sink	1987, 210-8(a)(5)
Basements, unfinished	Receptacles in unfinished basements	1990, 210-8(a)(4)
Crawl spaces	Receptacles at or below grade level	1990, 210-8(a)(4)
Underground	Branch circuits rated 120 volts or less and maximum overcurrent protection of 20 amperes	1990, Table 300-5
Replacement	Receptacles where GFCI protection currently required	1993, 210-7(d)
Spas and hot tubs	All wiring of spas, hot tubs and components	1993, 680-42
Swimming pools	Lights or ceiling suspended paddle fans at lower heights	1993, 680-6(b)
Wet bar sinks	Receptacles near wet bar sinks	1993, 210-8(a)(5)
Accessory buildings and garages	Receptacles in grade-level portions	1996, 210-8(a)(2)
Kitchen	All countertop receptacles	1996, 210-8(a)(6)
Accessory buildings and garages	Receptacles where the floor is located at or below grade level	1999, 210-8(a)(2)
Mobile homes and manufactured homes	Pipe heating cable outlets	1999, 550-8(g)
Appliances	Cord-and-plug-connected appliances subject to immersion	2002, 422.41
Bathroom floors and hydromassage bathtub, spa, and hot tub locations	Heating cables in electrically heated floors	2002, 422.44(G)
Boat hoists	Outlets	2002, 210.8(C)
Laundry areas	Receptacles near laundry and utility sinks	2005, 210.3
Luminaires	Replacements where no equipment grounding conductor exists	2005, 410.18(B) Exception No. 2
Vending machines	Cord-and-plug-connected vending machines	2005, 422.51
Fountains	Receptacles within 20 ft	2005, 680.58
Electric drinking fountains	Electric drinking fountains	2008, 422.52
Nonmetallic extensions	Source tap device	2008, 382.6
Swimming pools	Cord-connected pool filter pumps (storable pool)	2008, 680.31
	Outlets supplying pool pump motors	2008, 680.22(B)
Other than kitchens	Receptacles within 6 ft of all sinks	2011, 210.8(A)(7)
Dwelling unit	Receptacles within 6 ft of all sinks	2014, 210.8(A)(7)
	Receptacles within 6 ft of bathtubs or shower stalls	2014, 201.8(A)(9)
Kitchen	Dishwasher outlets	2014, 210.8(D)
Laundry areas	All receptacles in laundry areas	2014, 210.8(A)(10)

<u>Area</u>	<u>Description</u>	<u>NEC Edition, Section</u>
<u>Crawl spaces</u>	<u>Lighting outlets not exceeding 120 volts</u>	<u>2017, 210.8(E)</u>
<u>Swimming pools</u>	<u>Gas-fired water heater</u>	<u>2017, 680.28</u>
<u>Under floor covering</u>	<u>Heating cables, heating panels or heating panel sets</u>	<u>2017, 424.45(E) and 424.99(B)(5)</u>
<u>Dwelling unit</u>	<u>All 125-volt through 250-volt receptacles in required locations</u>	<u>2020, 210.8(A)(1) through (11)</u>
<u>Dwelling unit</u>	<u>Receptacles in indoor damp or wet locations</u>	<u>2020, 210.8(A)(11)</u>
<u>Dwelling unit</u>	<u>All basement receptacles</u>	<u>2020, 210.8(A)(5)</u>
<u>Dwelling unit</u>	<u>Sump pumps</u>	<u>2020, 422.5(A)(6)</u>
<u>Dwelling unit</u>	<u>Receptacles for electric vehicle charging</u>	<u>2020, 625.54 and 625.60(D)</u>
<u>Dwelling unit</u>	<u>Outdoor outlets</u>	<u>2020, 210.8(F)</u>
<u>Swimming pools</u>	<u>Outlets supplying repaired or replaced pool pump motors</u>	<u>2020, 210.8(F) 2020, 680.21(D)</u>
<u>Kitchen</u>	<u>All receptacles</u>	<u>2023, 210.8(A)(6)</u>
<u>Dwelling unit</u>	<u>Receptacles in areas with sinks and permanent provisions for food or beverage preparation, or cooking</u>	<u>2023, 210.8(A)(7)</u>
<u>Dwelling unit</u>	<u>Outlets supplying electric ranges, wall-mounted ovens, counter-mounted cooking units, clothes dryers, and microwave ovens</u>	<u>2023, 210.8(D)</u>

Note: This table shows the *NEC* dates of the initial GFCI requirements for given areas. The locations and expansion of GFCI requirements may vary in subsequent editions. Exceptions may often apply. Refer to the appropriate *NEC* edition and section.

Table B.1(c) *NEC* AFCI Protection Requirements (for Dwelling Units, Mobile Homes, and Manufactured Homes) — Listed by *NEC* Edition

<u>Area</u>	<u>Description</u>	<u>NEC Edition, Section</u>
<u>Bedrooms</u>	<u>Bedroom receptacles</u>	<u>1999*, 210.12(b)</u>
	<u>Bedroom outlets</u>	<u>2002†, 210.12</u>
<u>Mobile and manufactured homes</u>	<u>Bedroom outlets</u>	<u>2002, 550.25(B)</u>
<u>Family rooms</u>	<u>Family room outlets</u>	<u>2008, 210.12(B)</u>
<u>Dining rooms</u>	<u>Dining room outlets</u>	<u>2008, 210.12(B)</u>
<u>Living rooms</u>	<u>Living room outlets</u>	<u>2008, 210.12(B)</u>
<u>Parlors</u>	<u>Parlor outlets</u>	<u>2008, 210.12(B)</u>
<u>Libraries</u>	<u>Library outlets</u>	<u>2008, 210.12(B)</u>
<u>Dens</u>	<u>Den outlets</u>	<u>2008, 210.12(B)</u>
<u>Sunrooms</u>	<u>Sunroom outlets</u>	<u>2008, 210.12(B)</u>
<u>Recreation rooms</u>	<u>Recreation room outlets</u>	<u>2008, 210.12(B)</u>
<u>Closets</u>	<u>Closet outlets</u>	<u>2008, 210.12(B)</u>
<u>Hallways</u>	<u>Hallway outlets</u>	<u>2008, 210.12(B)</u>
<u>Mobile and manufactured homes</u>	<u>Outlets in family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways, or similar rooms</u>	<u>2011, 550.25(B)</u>
<u>Areas specified within this table</u>	<u>Where branch-circuit wiring is modified, replaced, or extended</u>	<u>2011, 210.12(B)</u>
<u>Kitchen</u>	<u>Kitchen outlets or devices</u>	<u>2014, 210.12(A)</u>
<u>Laundry areas</u>	<u>Laundry area outlets or devices</u>	<u>2014, 210.12(A)</u>
<u>Areas specified within this table</u>	<u>Replacement receptacles</u>	<u>2011, 406.4(D)(4)</u>

*1999 *NEC*-required AFCI protection for circuits with bedroom receptacle outlets effective 1/1/02.

†2005 *NEC*-required listed combination-type AFCI devices effective as of 1/1/08.

#2023 *NEC* -Effective 1/1/26.

Note: This table shows the *NEC* dates of the initial AFCI requirements for given areas. The locations and expansion of AFCI requirements may vary in subsequent editions. Exceptions often apply. Refer to the appropriate *NEC* edition and section.

Supplemental Information

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
FR_11_attachment_-_Table_B.1_b_NEC_GFCI_Protection_Requirements_for_Dwelling_Units_Listed_by_NEC_Edition.docx	revised table B.1..b	
FR_11_attachment_-_Table_B.1_a_NEC_GFCI_Protection_Requirements_for_Dwelling_Units_Alphabetical_Listing_by_Area.docx	revised table B.1.a	
FR_11_attachment_-_Table_B.1_c_NEC_AFCI_Protection_Requirements_for_Dwelling_Units_Listed_by_NEC_Edition.docx	Revised Table B.1.c.	

Submitter Information Verification

Committee: EFM-AAA

Submission Date: Mon Aug 07 09:34:28 EDT 2023

Committee Statement

Committee Statement: Annex B, Tables B.1(a), B.1(b), and B.1(c) are revised to correlate with GFCI and AFCI requirements in various NEC editions, up to and including the 2023 edition. References to specific NEC sections have been added to the tables to assist users of the document in applying requirements based on a specific code edition. The notes to the tables have been revised for clarity to provide information concerning application, location and expansion.

Response Message: FR-11-NFPA 73-2023 Response to PI 47: The revisions made to the notes of the table address the submitter's concern.

[Public Input No. 79-NFPA 73-2023 \[Chapter B\]](#)

[Public Input No. 48-NFPA 73-2023 \[Section No. B.1\]](#)

[Public Input No. 49-NFPA 73-2023 \[Section No. B.1\]](#)

[Public Input No. 47-NFPA 73-2023 \[Section No. B.1\]](#)



First Revision No. 10-NFPA 73-2023 [Chapter D]

Annex D Informational References

Annex D is not a part of the requirements of this NFPA document but is included for informational purposes only.

D.1 Referenced Publications.

The documents or portions thereof listed in this annex are referenced within the informational sections of this standard and are not part of the requirements of this document unless also listed in Chapter 2 for other reasons.

D.1.1 NFPA Publications.

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

NFPA 70®, National Electrical Code®, 2017 2026 edition.

NFPA 70E®, Standard for Electrical Safety in the Workplace, 2024 edition.

D.1.2 Other Publications.

D.1.2.1 UL Publications.

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

UL 943, Ground-Fault Circuit-Interrupters, 2016 edition.

UL 1363, Relocatable Power Taps, 2023 edition.

D.1.2.2 US Government Publications.

US Government Publishing Office, 732 North Capital Street, NW, Washington, DC 20401.

Title 24, Code of Federal Regulations, Part 3280, "Manufactured Home Construction and Safety Standards."

D.2 Informational References. ~~(Reserved)~~

This annex section provides a list of product safety standards and is intended to identify the standards upon which NFPA 73 requirements have been based. This list is current at the time of publication; new standards or modifications to existing standards can occur at any time.

D.2.1 UL Publications.

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

UL 4, Armored Cable, 2004 edition.

UL 20, General-Use Snap Switches, 2018 edition.

UL 67, Panelboards, 2018 edition.

UL 217, Smoke Alarms, 2023 edition.

UL 486C, Splicing Wire Connectors, 2023 edition.

UL 489, Molded-Case Circuit Breakers, Molded-Case Switches, and Circuit-Breaker Enclosures, 2016 edition.

UL 496, Lampholders, 2017 edition.

UL 498, Attachment Plugs and Receptacles, 2017 edition.

UL 719, Nonmetallic Sheathed Cable, 2015 edition.

UL 854, Service-Entrance Cables, 2020 edition.

UL 1499, Surge Protective Devices, 2022 edition.

UL 1598, Luminaires, 2008 edition.

UL 1699, Arc-Fault Circuit-Interrupters, 2017 edition.

UL 2034, Single and Multiple Station Carbon Monoxide Alarms, 2017 edition.

D.3 References for Extracts in Informational Sections.

NFPA 70®, National Electrical Code®, 2017 2023 edition.

Submitter Information Verification

Committee: EFM-AAA

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Committee Statement

Committee Statement: The reference to NFPA 70, National Electrical Code, is updated to the 2023 edition as it is the most recently published. To correlate with other NFPA standards, D.2 is revised to reflect product safety standards. References to product safety standards of equipment included in this standard have been added.

Response Message: FR-10-NFPA 73-2023

[Public Input No. 78-NFPA 73-2023 \[Chapter D\]](#)