



NATIONAL FIRE PROTECTION ASSOCIATION

The leading information and knowledge resource on fire, electrical and related hazards

AGENDA

NEC Code-Making Panel 16 (NEC P16) NFPA 70 Second Draft Meeting (Annual 2025)

October 21 - 23, 2024
8:00 a.m. – 5:00 p.m. (PT)

Torrance Marriott Redondo Beach, CA

- 1. Call to order.** Luigi Prezioso.
- 2. Introductions.** See committee roster attached.
- 3. Chair Report.** Luigi Prezioso.
- 4. Staff liaison report/presentation.** Steve Kaitharath.
- 5. Previous meeting minutes.** January 2024, Charleston, SC. See attached.
- 6. NFPA 70 Second Draft.**
 - a. Review of Public Comments.** See attached.
 - i. Task group report(s).**
 - b. Extract updates (if applicable)**
- 7. Other Business.**
- 8. Future meetings.**
- 9. Adjournment.**

Address List No Phone

09/27/2024
Jeffrey S. Sargent
NEC-P16

Code-Making Panel 16

National Electrical Code®

Luigi G. Prezioso Chair M. C. Dean, Inc. 1765 Greensboro Station Place Tysons, VA 22102 Independent Electrical Contractors, Inc. Alternate: David B. Schrembeck	IM 1/10/2002 NEC-P16	Daniel Ashton Principal Lumen Technologies, Inc./Centurylink 120 Latigo Terrace, SE Rio Rancho, NM 87124	UT 04/14/2021 NEC-P16
George Bish Principal Amazon/Ring Protect Inc. 33 Mary Circle Concord, NC 28025 Satellite Broadcasting & Communications Association Alternate: Diana M. Lettkeman	IM 10/4/2007 NEC-P16	Dmitriy Bodik Principal UL LLC. 1285 Walt Whitman Road Melville, NY 11747 UL Solutions Alternate: Anthony Tassone	RT 12/07/2022 NEC-P16
Trevor N. Bowmer Principal Bunya Telecom Consulting, LLC 1792 Finntown Road Waldoboro, ME 04572 Alliance for Telecommunications Industry Solutions Alternate: Ernest J. Gallo	U 7/23/2008 NEC-P16	Robert Davies Principal Davies Electric Company 9085 Kenamar Drive San Diego, CA 92121 National Electrical Contractor Association (NECA) Alternate: Edward Acosta	IM 04/04/2017 NEC-P16
Gerald Lee Dorna Principal Belden 2200 US Highway 27 South Richmond, IN 47374 Insulated Cable Engineers Association Inc Alternate: Stanley Kaufman	M 7/1/1995 NEC-P16	Brian Ensign Principal Superior Essex Communications 2088 Bernays Drive York, PA 17404 Communications Cable & Connectivity Association (CCCA) Alternate: Solomon Girma	M 08/11/2020 NEC-P16
Jeffrey Fitzloff Principal Idaho Chapter-International Association of Electrical Inspectors (IAEI) Po Box 936 Kuna, ID 83634 International Association of Electrical Inspectors Alternate: Edward Scott Weaver	E 5/30/2008 NEC-P16	Fred W. Johnston Principal Chemours 201 Discovery Boulevard Newark, DE 19713 American Chemistry Council Alternate: Lensey H. Smith	U 11/29/2023 NEC-P16
William J. McCoy Principal Telco Sales, Inc. PO Box 953 Grapevine, TX 76099 IEEE-IAS/PES JTCC Alternate: Matthew R. Midcap	U 12/01/1996 NEC-P16	Thomas J. Parrish Principal Telgian Corporation 15771 Twin Ponds Pinckney, MI 48169-9717 Automatic Fire Alarm Association, Inc. Alternate: Jim Loftus	M 10/29/2012 NEC-P16

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Christopher Rawson Principal International Brotherhood of Electrical Workers (IBEW) Program Coordinator EJATT 6201 West 115th Street Alsip, IL 60803 International Brotherhood of Electrical Workers Alternate: Heather Anderson	L 08/17/2018 NEC-P16	Rodger Reiswig Principal Johnson Controls 8057 Charlemont Road Goode, VA 24556 National Electrical Manufacturers Association Alternate: Paulette Blagburn	M 10/28/2014 NEC-P16
Calvin Roberts Principal Jacobs Technologies P. O. Box 130155 Tampa, FL 33681 Building Industry Consulting Services International Alternate: John A. Kacperski	M 04/02/2020 NEC-P16	Lawrence E. Todd Principal Intertek Testing Services 731 Enterprise Drive Lexington, KY 40510-1031 Intertek Testing Services Alternate: Michael F. Murphy	RT 12/06/2019 NEC-P16
Bob Voss Principal Panduit Corporation 6200 W. 175th Street Tinley Park, IL 60477 Telecommunications Industry Association Alternate: Ronald Tellas	M 08/29/2024 NEC-P16	John W. Williams Principal Charter Communications 14810 Grasslands Drive Englewood, CO 80016 Society of Cable Telecommunications Engineers (SCTE) Alternate: Timothy D. Cooke	UT 08/11/2020 NEC-P16
Leo Zieman Principal Florida Power & Light (Nextera Energy) 401 SE 7th Avenue Pompano Beach, FL 33060 Electric Light & Power Group/EEI Alternate: Job Phillip Mueller	UT 10/28/2014 NEC-P16	Edward Acosta Alternate Morrow Meadows Corporation 231 Benton Court City Of Industry, CA 91789-5213 National Electrical Contractor Association (NECA) Principal: Robert Davies	IM 12/02/2020 NEC-P16
Heather Anderson Alternate Electrical Training Alliance 23248 Nixon Street Milo, IA 50166 International Brotherhood of Electrical Workers Principal: Christopher Rawson	L 08/29/2024 NEC-P16	Paulette Blagburn Alternate Comtran, LLC 330A Turner Street Attleboro, MA 02703 National Electrical Manufacturers Association Principal: Rodger Reiswig	M 12/07/2021 NEC-P16
Timothy D. Cooke Alternate Amphenol Broadband Solutions/Times Fiber 2461 Old Mine Road Gretna, VA 24457 Society of Cable Telecommunications Engineers (SCTE) Principal: John W. Williams	UT 11/02/2006 NEC-P16	Ernest J. Gallo Alternate NEBScore, Inc. 37 Elmwood Road Florham Park, NJ 07932 Alliance for Telecommunications Industry Solutions Principal: Trevor N. Bowmer	U 04/12/2022 NEC-P16

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Code-Making Panel 16

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Solomon Girma	M 04/17/2024	John A. Kacperski	M 7/26/2009
Alternate	NEC-P16	Alternate	NEC-P16
Superior Essex Communications 3600 Cobb International Blvd Suite 400 Kennesaw, GA 30152 Communications Cable & Connectivity Association (CCCA) Principal: Brian Ensign		P2S Engineering, Inc. 5000 East Spring Street 8th Floor Long Beach, CA 90815-5218 Building Industry Consulting Services International Principal: Calvin Roberts	
Stanley Kaufman	M 1/1/1986	Diana M. Lettkeman	IM 08/23/2023
Alternate	NEC-P16	Alternate	NEC-P16
CableSafe, Inc./OFS PO Box 500082 Atlanta, GA 31150-0082 Insulated Cable Engineers Association Inc Principal: Gerald Lee Dorna		Dish Network Service, LLC 612 Whispering Oak Road Oklahoma City, OK 73127 Satellite Broadcasting & Communications Association Principal: George Bish	
Jim Loftus	M 12/06/2019	Matthew R. Midcap	U 08/10/2022
Alternate	NEC-P16	Alternate	NEC-P16
Siemens Building Products-Fire Safety 2 Gatehall Drive Suite 200 Parsippany, NJ 07054 Automatic Fire Alarm Association, Inc. Principal: Thomas J. Parrish		DIRECTV, LLC. 10716 Flagler Drive Parker, CO 80134 IEEE-IAS/PES JTCC Principal: William J. McCoy	
Job Phillip Mueller	UT 08/23/2023	Michael F. Murphy	RT 8/2/2010
Alternate	NEC-P16	Alternate	NEC-P16
DTE Energy 8883 Tanglewood Street Temperance, MI 48182 Electric Light & Power Group/EEI Principal: Leo Zieman		Intertek Testing Services 70 Codman Hill Road Boxborough, MA 01719 Intertek Testing Services Principal: Lawrence E. Todd	
David B. Schrembeck	IM 7/29/2005	Lensey H. Smith	U 11/29/2023
Alternate	NEC-P16	Alternate	NEC-P16
DBS Communications, Inc. 5061 West 161st Street Brook Park, OH 44142 Independent Electrical Contractors, Inc. Principal: Luigi G. Prezioso		Daikin America Inc. 2749 State Highway 20 Decatur, AL 35601 American Chemistry Council Principal: Fred W. Johnston	

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Code-Making Panel 16

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Anthony Tassone	RT 8/9/2011	Ronald Tellas	M 08/10/2022
Alternate	NEC-P16	Alternate	NEC-P16
UL LLC		Belden	
1285 Walt Whitman Road		110 Fox Water Trail	
Melville, NY 11747-3085		St. Augustine, FL 32086	
UL Solutions		Telecommunications Industry Association	
Principal: Dmitriy Bodik		Principal: Bob Voss	
Edward Scott Weaver	E 03/20/2023	Jeffrey S. Sargent	08/31/2019
Alternate	NEC-P16	Staff Liaison	NEC-P16
City of East Lansing		National Fire Protection Association	
410 Abbot Street		1 Batterymarch Park	
East Lansing, MI 48823		Quincy, MA 02169-7471	
International Association of Electrical Inspectors			
Principal: Jeffrey Fitzloff			



NATIONAL FIRE PROTECTION ASSOCIATION

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MINUTES

NFPA 70 Committee on Code-Making Panel 16 (CMP-16) NFPA 70 First Draft Meeting (Annual 2025 NEC)

January 15 – 20, 2024
8:00am – 5:00pm (ET)

Charleston Marriott
170 Lockwood Blvd
Charleston, SC 29403

1. **Call to order.** Luigi Prezioso, chair, called the meeting to order at 8:05 am on January 15, 2024.
2. **Introductions.** NFPA staff took attendance.
3. **Chair report.** Luigi Prezioso welcomed attendees and provided an overview of the meeting.
4. **Staff liaison report.** Heath Dehn provided an overview of the standards development process and the revision cycle schedule.
 - a. No members declared that they had been retained to represent the interest of an entity that would be classified in an interest category different from their own with respect to a specific issue or issues that were being addressed by the committee.
5. **Previous meeting minutes.** The minutes from web/teleconference in October 2021 were approved without revision.
6. **NFPA 70 First Draft.**
 - a. **Review of Public Inputs.** The Technical Committee reviewed 185 Public Inputs and developed 79 First Revisions. These will be available in the First Draft Report at www.nfpa.org/70.
 - b. **Task group report(s).** The following task groups provided their reports and recommendations.
 - i. **Task Group 1.** George Bish. The task group provided a report, and the committee created First Revisions where appropriate. The task group has been discharged with thanks. See attached.
 1. **Members.** George Bish, Diana Lettkeman, Mike Murphy, and Stan Kaufman

These minutes are considered preliminary until approved at the next committee meeting.

ii. **Task Group 2.** Brian Ensign. The task group provided a report, and the committee created First Revisions where appropriate. The task group has been discharged with thanks. See attached.

1. **Members.** Brian Ensign, Robert Davies, Stanley Kaufman, Jim Loftus, Christopher Rawson, Anthony Tassone, and John Williams

iii. **Task Group 3.** Stanley Kaufman. The task group provided a report, and the committee created First Revisions where appropriate. The task group has been discharged with thanks. See attached.

1. **Members.** Stanley Kaufman, Trevor N. Bowmer, Timothy D. Cook, Ernest J. Gallo, Solomon Girma, John Kacperski, William J. McCoy, and Leo Zieman

iv. **Task Group 4.** Task group was never formed and no recommendation were made.

v. **Task Group 5.** William McCoy. The task group provided a report, and the committee created First Revisions where appropriate. The task group has been discharged with thanks. See attached.

1. **Members.** William McCoy, Trevor Bowmer, Jeffrey Poulsen, Luigi Prezioso, Timothy Cooke, and David Schrembeck

vi. **Task Group 6.** Chris Rawson. The task group provided a report, and the committee created First Revisions where appropriate. The task group has been discharged with thanks. See attached.

1. **Members.** Chris Rawson, Luigi Prezioso, Stanley Kaufman, Frederick Johnston, Brian Ensign, and John Kacperski

vii. **Task Group 7.** Anthony Tassone. The task group provided a report, and the committee created First Revisions where appropriate. The task group has been discharged with thanks. See attached.

1. **Members.** Anthony Tassone, Dmitry Bodik, Jerry Dorna, Roger Reiswig, Mike Murphy, and Chris Rawson

viii. **Task Group 8.** Diana Lettkeman. The task group provided a report, and the committee did not create any revisions. The task group has been discharged with thanks. See attached.

1. **Members.** Diana Lettkeman, Anthony Tassone, Trevor Bowmer, Job Mueller, Chris Rawson, Dmitriy Bodik, and Brian Ensign

c. **Presentation(s).** The committee heard presentations from the following individuals.

i. **NEC Reorganization.** Larry Ayer and Scott Harding. 40 minutes. Presentation attached.

7. Other Business.

a. None.

8. **Future meetings.** The next committee meeting will be October 2024. A meeting notification will be posted at www.nfpa.org/70next when the meeting is scheduled.
9. **Adjournment.** The meeting was adjourned at 3:19pm ET on January 17, 2024.

Attendees

Committee Members:

✓	Prezioso, Luigi	Chair	Independent Electrical Contractors, Inc.
	Ashton, Daniel	Principal	Lumen Technologies, Inc./Centurylink
✓	Bish, George	Principal	Satellite Broadcasting & Communications
✓	Bodik, Dmitriy	Principal	UL Solutions
✓	Bowmer, Trevor	Principal	Alliance for Telecommunications Industry
✓	Davies, Robert	Principal	National Electrical Contractors Association
✓	Dorna, Gerald	Principal	Insulated Cable Engineers Association Inc
✓	Ensign, Brian	Principal	Communications Cable & Connectivity
	Fitzloff, Jeffrey	Principal	International Association of Electrical
✓	Johnston, Fred	Principal	American Chemistry Council
✓	McCoy, William	Principal	IEEE-IAS/PES JTCC
✓	Parrish, Thomas	Principal	Automatic Fire Alarm Association, Inc.
	Poulsen, Jeffrey	Principal	Telecommunications Industry Association
✓	Rawson, Christopher	Principal	International Brotherhood of Electrical
✓	Reiswig, Rodger	Principal	National Electrical Manufacturers
	Roberts, Calvin	Principal	Building Industry Consulting Services
	Todd, Lawrence	Principal	Intertek Testing Services
✓	Williams, John	Principal	Society of Cable Telecommunications
	Zieman, Leo	Principal	Electric Light & Power Group/EEI
✓	Acosta, Edward	Alternate	National Electrical Contractors Association
	Blagburn, Paulette	Alternate	National Electrical Manufacturers
	Cooke, Timothy	Alternate	Society of Cable Telecommunications
	Davila Arroyo, Meylin	Alternate	International Brotherhood of Electrical
✓	Kacperski, John	Alternate	Building Industry Consulting Services
✓	Kaufman, Stanley	Alternate	Insulated Cable Engineers Association Inc
✓	Lettkeman, Diana	Alternate	Satellite Broadcasting & Communications
✓	Loftus, Jim	Alternate	Automatic Fire Alarm Association, Inc.

✓	Midcap, Matthew	Alternate	IEEE-IAS/PES JTCC
	Mueller, Job	Alternate	Electric Light & Power Group/EEI
✓	Murphy, Michael	Alternate	Intertek Testing Services
✓	Schrembeck, David	Alternate	Independent Electrical Contractors, Inc.
✓	Smith, Lensey	Alternate	American Chemistry Council
✓	Tassone, Anthony	Alternate	UL Solutions
	Tellas, Ronald	Alternate	Telecommunications Industry Association
✓	Weaver, Edward	Alternate	International Association of Electrical
✓	Heath Dehn	Staff Liaison	National Fire Protection Association

Guests:

Tim Renfrow	Johnston Controls
Ernie Gallow	ATIS
Chad Jones	Cisco
Scott Harding	IEC
Larry Ayer	IEC
David Hittinger	IEC
Mike Stone	NEMA

*Participated by teleconference

Total number in attendance: 32

NEC® Code-Making Panel 16 First Draft Chair Report

Signature:

Date of Meeting: January 15-18, 2024

1. List names of NEC® Code-Making Panel Members in Attendance:

2026 Cycle NEC CMP 16

<i>First Draft Meeting Attendance</i>		Y= Attended
<u>Name</u>	<u>Position</u>	
Luigi Prezioso	Chair	Y
Daniel Ashton	Principal	
George Bish	Principal	Y
Dmitriy Bodik	Principal	Y
Trevor Bowmer	Principal	Y
Robert Davies	Principal	Y
Gerald Lee Dorna	Principal	Y
Brian Ensign	Principal	Y
Jeffrey Fitzloff	Principal	
Fred W. Johnston	Principal	Y
William J. McCoy	Principal	Y
Thomas J. Parrish	Principal	
Jeffrey Alan Poulsen	Principal	
Christopher Rawson	Principal	Y
Rodger Reisig	Principal	Y
Calvin Roberts	Principal	
Lawrence E. Todd	Principal	
John W. Williams	Principal	
Leo Zieman	Principal	Y
Edward Acosta	Alternate	Y
Paulette Blagburn	Alternate	
Timothy J. Cooke	Alternate	
Meylin Davila Arroyo	Alternate	
Ernest J. Gallo	Alternate	Y
John A. Kacperski	Alternate	Y
Stanley Kaufman	Alternate	Y
Diana M. Lettkeman	Alternate	Y
Jim Loftus	Alternate	Y
Matthew R. Midcap	Alternate	
Job Phillip Mueller	Alternate	
Michael F. Murphy	Alternate	Y
David B. Schrembeck	Alternate	Y

Lensey H. Smith	Alternate	Y
Anthony Tassone	Alternate	Y
Ronald Tellas	Alternate	
Edward Scott Weaver	Alternate	
Carl R. Wetterhan	Alternate	

2. List names of Guests in Attendance:

- a. *Larry Ayer*
- b. *David Hittinger*
- c. *Scott Harding*

3. List names of Guests who addressed the Panel, the subject of their presentation and the length of time they spoke:

Larry Ayer and Scott Harding gave a 30-minute presentation on the proposed Code restructuring using the .ppt below.



First Draft CC
Presentation - V4.ppt

4. Number of Public Inputs/Comments acted upon: **185**

5. Number of First Revisions Created:**80**

6. List any Task Groups appointed to work subsequent to the First Draft Meeting, along with the names of Task Group Chair/members:

There were no Task Groups appointed to work subsequent to the First Draft Meeting, although members of CMP 16 do want to participate in any NEC restructuring Task Groups that are being developed within NFPA.

7. List any Public Input/Comment or First Revision that may need to be referred to another Panel for information or correlation:

None

8. List any Public Input/Comment that requires NEC® Correlating Committee attention:

None

9. List any general requests for information or assistance from the NEC® Correlating Committee:

CMP16 agrees with the need to modify the code to accommodate the technology changes occurring in communications systems as discussed in

- *2023 Restructuring White Paper from NFPA-NEC*
- *Correlating Committee PowerPoint slide presentation on Restructuring Plans that was shared with CMP16 at First Draft meeting 1/15/2024*

As part of the restructuring effort, CMP 16 has been working over the last 2 code cycles to consolidate common requirements for communications systems into Article 800.

CMP16 is looking forward to participating in any Task Groups between the First and Second Draft meetings of the 2023 NEC, as well as between 2026 and the code cycle for the 2029 NEC to help code restructuring efforts to be technically correct and enhance useability.

10. List any issues that should be brought to the attention of the NFPA Research Foundation:

None

11. List any additional information that would be helpful to the NEC® Correlating Committee, NFPA Staff, or process in general:

None

2026 NEC® Public Input Task Group Report

CMP #	16		
TG#	1		
TG Chair	George Bish		
TG Members	Diana Lettkeman, Mike Murphy, Stan Kaufman		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
Definition	3879	8	Create a FR The term Class 4 is added since Class 4 systems are designed to coexist with Class 2, Class 3, & PLTC cables
Definition	3378	9	Create a FR The informational note adds clarity that it is not the intent to allow the conversion of power circuits to communications circuits.
Definition	731	10	Reject Innerduct is a defined Industry term
Definition	902	11	Create a FR The term concrete is removed since not all floors are concrete slabs. The term raceway is added since a raceway could be used
Definition	3878	12	Create a FR The term Class 4 is added since Class 4 systems are designed to coexist with Class 2, Class 3, & PLTC cables
Definition	4278	13	Create a FR A definition of data communications is needed to define that it is part of the larger term of communications. This definition is also the foundation of several related PIs to reduce ambiguity
Definition	3336	14	Create a FR

			By identifying the communications service point, analogous to the electrical service point, the domain of the communications circuits in chapter 8 become more clearly inspectable.
Definition	4290 4049	15 18	Create a FR Currently “communication systems” is not defined within the NEC, but the terms is used within multiple articles, including the title of Article 800.
Definition	480	16	Create a FR Section 90.2(D) Installations Not Covered, exempts some communications equipment installations from the NEC. It states: 90.2(D)(4) Installations of communications equipment under the exclusive control of communications utilities located outdoors or in building spaces used exclusively for such installations. Unfortunately, communications utility is not defined in the NEC. There is an Informational Note, but that is not enforceable.
Definition	4064	19	Create a FR A definition of data communications is needed to define that it is part of the larger term of communications.

2026 NEC® Public Input Task Group Report

CMP #	16		
TG#	2		
TG Chair	Brian Ensign		
TG Members	Robert Davies, Stanley Kaufman, Jim Loftus, Christopher Rawson, Anthony Tassone, John Williams		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
770	CI	1	First Revision TG2-17 Section 770.3 was renumbered to 770.4 to comply with NEC Style Manual section 2.2.
770	1704	52	Resolve The Panel does not agree that the installation of optical fiber cables belongs in Chapter 3. See section 300.2 Limitations. Chapter 3 deals with electrical wiring methods.
770.3	3201	73	Resolve Section 300.21 applies to “Electrical installations” not the installation of optical fiber cables.
770.3(A) [becoming 770.4(A)]	3377	74	First Revision TG2-18 An editorial change was made to avoid implying that hazardous location requirements are the purview of the Panel responsible for Article 770.
770.9	1706	71	Resolve The definition of a Qualified Person in Article 100 deals with “electrical equipment and installations”; it doesn’t include the installation of optical fiber cables.
770.24	1707	78	Resolve The term “workmanship” is not a defined term in Article 100.

770.24(A)	19 57 1385 2014 2494	82 90 81 84 86	First Revision TG2-19 The issue dates of NFPA 90A and ANSI/BICSI N1 were not deleted because guidance from NFPA staff is to keep issue dates. The section in NFPA 90A dealing with discrete products was added to improve usability. Neat and workmanlike was changed to professional and skillful to correlate with 110.12. Section 770.24(A) was subdivided to comply with section 3.5.1.2 of the NEC Style Manual.
770.24(A)	287	88	Resolve The installation requirements for NMB do not apply to optical fiber cable just because both are perceived as having similar makeup.
770.24(A)	4441	89	Resolve The issue dates of the standards were not deleted in accordance with guidance from NFPA to keep issue dates.
770.26	3203	91	Resolve The coordinating PI (PI 3201) was resolved.
770.43	2567	92	First Revision TG2-20 Table 722.135(B) requires Type PLTC for cables run in outdoor cable trays. Article 770 has no provision for the installation of optical fiber cables in outdoor cable trays in, for example, a refinery. Unlisted optical fiber cables are clearly unsuitable for this type of application. A listed indoor/outdoor cable is needed. Notwithstanding the fact that there is no listing standard (yet) for these cables, multiple cable manufacturers offer them.

			See, for example, https://www.corning.com/optical-communications/worldwide/en/home/products/fiber-optic-cable/indoor-outdoor-cables.html https://catalog.belden.com/index.cfm?event=pd&p=PF_FDSD006P9 https://www.commscope.com/product-type/cables/fiber-cables/indoor-outdoor-cables/?pageSize=12%2C12&sortExp=Number&showBaseProduct=true&showBaseProduct=false#ProductsList L40123401 - SUPERIOR ESSEX - Indoor/Outdoor Anixter See attached pdf file for spec sheets for indoor/outdoor cables from two manufacturers.
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2026 NEC® Public Input Task Group Report

CMP #	16		
TG#	2		
TG Chair	Brian Ensign		
TG Members	Robert Davies, Stanley Kaufman, Jim Loftus, Christopher Rawson, Anthony Tassone, John Williams		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
800.1	819	199	First Revision TG2-1
	2478	191	Including data communications in Article 800 improves the usability of the Code since most Code users assume it's already in Article 800.
	2964	192	
	3613	193	
	4068	196	
	4174	197	In order to comply with 4.1.4 of the NEC Style Manual, references to the individual Articles in Chapter 8 were replaced with a general reference to other Articles in the Chapter.
	4281	198	Additional compliance with 4.1.4 required stating the Article number before the Part number in the Article.
	3089	1	
			Adding a reference to Class 4 systems improves usability since these systems are often used to power communications systems.
			Adding a reference to the NESC improves usability since the NESC covers outside plant installations and coordinated with Article 800.
			An informational note was added to identify specialty definitions in Article 100 that are important to communications and thereby improve usability.
800.1	3683	194	Resolve

			Assessing the reliability of the telephone network would require assessing the reliability of parts of the network that are under the exclusive control of communications utilities and therefore not covered by the NEC. See 90.2(D)(4).
800.2 (new)	1182	204	First Revision TG2-2 The requirement to use listed equipment is a general requirement that should be in Article 800.
800.3	3197	207	Resolve Communications circuits include optical fiber cable. Section 300.21 only applies to electrical installations.
800.2 (becoming 800.3)	3628 2620	203 200	First Revision TG2-3 Section 800.2 was renumbered to 800.3, to leave room for room for a new 800.2. Existing section 800.2 was renumbered to 800.3. These changes were made to comply with NEC Style Manual section 2.2 This revision to 800.3 maintains the reference to 110.21(A)(2) but clarifies that reconditioned protectors are not permitted. Protectors are the most important safety protection within communications circuits and systems.
800.3(A) [becoming 800.4(A)]	820 2965 4178	211 209 210	First Revision TG2-4 Compliance with 4.1.4 of the NEC Style Manual requires stating the Article number before the Part number in the Article. Class 4 circuits can be derived from a network-powered broadband circuit.
800.3(B) [becoming 800.4(B)]	3999	213	Resolve The NEC Style Manual permits references to Chapters.
800.3(C)	2564	215	First Revision TG2-5

[becoming 800.4(C)]			The revised text clarified which of the cables used for communications that 300.22(A) applied to.
800.3(E) [becoming 800.4(E)]	2565	216	First Revision TG2-6 The revised text correlates with 110.3.
800.3(F) [existing 800.3(F) is deleted]	1181	217	First Revision TG2-7 Multiple FRs have been created to include optical fiber cables in Article 800 when they are used for communications, thereby increasing the usability of Article 800 and eliminating the need for a reference to Article 770.
800.3(H) [existing 800.3(H) is deleted]	1007 4071 2503 3196	220 223 221 222	First Revision TG2-8 The current 800.3(H) is deleted to coordinate with another FR which moves the ground requirements.
800.4(G) new	3382	218	First Revision TG2-9 The revised text ads clarity on the classification of dual power and communications circuits.
800.9	1708	205	Resolve The definition of a Qualified Person in Article 100 deals with “electrical equipment and installations”; it’s oriented toward installers of electric light and power circuits, not communications circuits.
800.24	1709	225	Resolve The term “workmanship” is not a defined term in Article 100.
800.24(A)	22 51 1184 1386 2013 2444 2446 2495 4045	233 243 228 230 231 235 236 238 242	First Revision TG2-10 The issue dates of NFPA 90A and ANSI/BICSI N1 were not deleted because guidance from NFPA staff is to keep issue dates. The section in NFPA 90A dealing with discrete products was added to improve usability. Neat and workmanlike was changed to professional and skillful to correlate with 110.12.

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			Additional standards were added to Informational Note No. 1 to improve usability. Section 800.24(A) was subdivided to comply with section 3.5.1.2 of the NEC Style Manual.
800.24(B)	700	244	First Revision TG2-11 Section 800.24(B) was revised to improve clarity.
800.26	2566	246	First Revision TG2-12 An editorial correction was made to 880.26.
800.26	3200	247	Resolve The coordinating PI (PI 3197) was resolved.

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2026 NEC® Public Input Task Group Report

CMP #	16		
TG#	2		
TG Chair	Brian Ensign		
TG Members	Robert Davies, Stanley Kaufman, Jim Loftus, Christopher Rawson, Anthony Tassone, John Williams		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
805.18	1183	334	First Revision TG2-13 Section 805.18 has been moved to the general article (Article 800). See TG2-2.

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CMP #	16		
TG#	2		
TG Chair	Brian Ensign		
TG Members	Robert Davies, Stanley Kaufman, Jim Loftus, Christopher Rawson, Anthony Tassone, John Williams		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
810.3	2968	347	First Revision TG2-21 The text has been edited to comply with 4.1.4 of the NEC Style Manual. Also renumbered to make room for 810.2 (new) and 810.3 (new) and renumber 810.3 to 810.4 and so on.
810.3	4001	348	Resolve References to entire Chapters are permitted by the NEC Style Manual.
810.3	701	349	Resolve but see FR TG2-1 for 800 The revision to 800.1 includes Article 810.
810.6 [becoming 810.7]	3629	350	First Revision TG2-22 The text has been modified for clarity and the UL standard date has been added.
810.13	556	352	First Revision TG2-23 The text has been modified for clarity.
810.21(A)	3636	357	First Revision TG2-24 The text has been modified for clarity.
810.21(C)	1240	358	First Revision TG2-24 The text has been modified for clarity.
810.21(C)	3638	359	Resolve but see TG2-24 The text that was recommended to be edited has been deleted.

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CMP #	16		
TG#	2		
TG Chair	Brian Ensign		
TG Members	Robert Davies, Stanley Kaufman, Jim Loftus, Christopher Rawson, Anthony Tassone, John Williams		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
820	555	365	First Revision TG2-14 The Part numbers ~~were~~ <u>have been</u> revised ~~to fill in a gap~~ <u>for continuity and compliance with the style manual.</u>
820	CI		First Revision TG2-15 Section 820.3 was renumbered to 820.4 to comply with NEC Style Manual section 2.2.
820.3 [becoming 820.4]	3617	368	First Revision TG2-16 <u>Section 820.3 was renumbered to 820.4 to comply with NEC Style Manual section 2.2.</u> References to an entire article were eliminated in order to comply with the NEC Style Manual.

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CMP #	16		
TG#	3		
TG Chair	Dr. Stanley Kaufman		
TG Members	Dr. Trevor N. Bowmer, Timothy D. Cook, Ernest J. Gallo, Solomon Girma, John Kacperski, William J. McCoy, Leo Zieman		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
770.44(A)(4)	419	93	First Revision TG3-5 In order to provide consistent terminology throughout the section, the term “supply service drops” was changed to “electric light or power conductors”.
770.44(B)	420	95	First Revision TG3-6 “Optical fiber cable service drop cable” was simplified to “optical fiber cable” to improve clarity. The reference to the National Electrical Safety code has been updated.
770.48	2561	98	First Revision TG3-7 Section 770.48 was deleted to coordinate with TG3FR-3 for 800.48 which moved the requirements in 770.48 to 800.48.
770.48(A)	4365	100	Resolve but see TG3-7 The requirements in 770.48 have been moved to 800.48. The revised text for 800.48 addresses the issue of pull or junction boxes.

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CMP #	16		
TG#	3		
TG Chair	Dr. Stanley Kaufman		
TG Members	Dr. Trevor N. Bowmer, Timothy D. Cook, Ernest J. Gallo, Solomon Girma, John Kacperski, William J. McCoy, Leo Zieman		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
800.44	1185	251	First Revision TG3-1 This FR is one of many that complete the inclusion of optical fiber cable in Article 800 that was started two codes cycles ago. In order to provide consistent terminology throughout the section, the term “supply service drops” was changed to “electric light or power conductors”. “Electric light or power conductors” is the term used in the lead in sentence for 800.44.
800.44(A)(4)	416	254	Resolve but see TG3-1 The term “Supply service drop” is not used in the revised text.
800.44(A)(4)	2487	253	Resolve but see TG3-1 The term “Supply service drop” is not used in the revised text.
800.46	3337	248	Resolve but see TG3-2 TG3FR-3 for 800.48 adds two informational notes to 800.48 to clarify that the protector (for multipair communications cable) and the grounding block (for CATV installations) are typically communications service points.
800.47	1186	256	First Revision TG3-2 This FR is one of many that complete the inclusion of optical fiber cable in Article 800 that was started two codes cycles ago. The reference to 310.10(C) was deleted because it refers to text in an earlier edition of the Code that has been deleted.
800.48	1131	258	First Revision TG3-3 There are only three types of unlisted outside plant

			cables used as entrance cables in communications installations, communications cables, CATV-type coaxial cables, and optical fiber cables. Section 800.48 already covers the installation requirements for unlisted outside plant communications cables and unlisted outside plant CATV-type coaxial cables. The text of this FR enhances usability by bringing into 800.48 the requirements for installing unlisted outside plant optical fiber cables, thereby having the installation requirements for all unlisted entrance cables in one section. The recommended text requirements for optical fiber cables correlate with 770.48. The word “communications” was added to Informational Note No. 2 for clarity, since that Informational Note only applies to communications cables. The text has been revised to clarify that “continuously enclosing” a cable in a raceway is “without the use of pull or junction boxes”.
800.53	1542	263	First Revision TG3-4 This FR is one of many that complete the inclusion of optical fiber cable in Article 800 that was started two codes cycles ago. The reference to the National Electrical Safety Code has been updated. The edition date for NFPA 780A has been updated.

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CMP #	16		
TG#	5		
TG Chair	William McCoy		
TG Members	Dr. Trevor Bowmer, Jeffrey Poulsen, Luigi Prezioso, Timothy Cooke, and David Schrembeck		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
770.100(E)	193	101	Accept. Moves from Section 770.180 the listing of Grounding Devices to Part IV Grounding Methods because this requirement is not a listing requirement, but a installation requirement. Related PIs 194, 200, and 201.
770.108	4072	102	Accept. This PI moves Section 770.114 to Section 770.108 which moves a grounding method to the grounding method Section. Related PIs 4069 and 4073.
770.114	4073	107	Accept. Deletes Section 770.114 and moves this information to Section 770.108. Related PI 4072.
779.180	194	117	Accept. Deletes Section 770.180 and moves this information to Section 770.100(E). Related PIs 193, 200, and 201.

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CMP #	16		
TG#	5		
TG Chair	William McCoy		
TG Members	Dr. Trevor Bowmer, Jeffrey Poulsen, Luigi Prezioso, Timothy Cooke, and David Schrembeck		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
800.3(H)	1007	220	Accept. Related PIs 1006, 2503, 3196, and 4071 This PI moves the cable shield grounding requirements to the new Section 800.114.
800.53	1542	263	Accept. This PI recommends including optical fiber cables and updated the references. Works with PI 3085
800.93	3645	406	Accept. Establishes a new Section 800.93 Grounding, Bonding or Interruption of Metallic Members of Cables. Related PIs 3650, 3654, 3660, 3661, 3663, 3666, and 3670.
800.100(A)(3)	1189	270	Accept. Adds conductive optical fiber cable to the requirements.
800.100(E)	200	271	Accept. Establishes a new Section 800.100(E). Related PIs 193, 194, and 201.
800.106(A)(1)	1991	273	Accept. Multiple PIs were submitted to include optical fiber cables in Article 800 when they are used for communications, thereby increasing the usability of Article 800. To coordinate with the other PIs, the recommended text deletes reference to Article 770. Related PI 1992.
800.106(A)(2)	1992	275	Accept. Deletes reference to Article 770. Related PI 1991.
800.108	4069	272	Accept. Establishes a new Section 800.108

			which provides requirements to allow methods of bonding and grounding of communications cables which will not alter the equipotential layer of the communications cable or otherwise impede the cable from performing as intended. This proposed text parallels text found in 770.114 as the NEC style manual Section 3.3.5 encourages parallel language for clarity. Related PIs 4071 and 4072.
800.114	2482/1006	284/277	Accept in Part. Added new Section 800.114 for grounding the shields of non-current carrying conductors. Changed all non-current carrying conductive members to only shields of non-current carrying conductive members.
800.133	3670	303	Accept. To increase clarity revisions have been made to consolidate the common “Grounding, Bonding, and Interruption” criteria under the new Section 800.93. Related PIs 3645, 3650, 3654, 3660, 3661, 3663, and 3666.
800.180	201	326	Refer to PI 2482. Related PIs 193, 194, and 200.

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CMP #	16		
TG#	5		
TG Chair	William McCoy		
TG Members	Dr. Trevor Bowmer, Jeffrey Poulsen, Luigi Prezioso, Timothy Cooke, and David Schrembeck		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
805.90(A)	3085	1	Accept. Updating Informational Note to comply with the Style Manual.
805.93	3660	341	Accept. To increase clarity this proposed revision has been submitted to consolidate the common “Grounding, Bonding, and Interruption” criteria under a new proposed Section 800.93. Related PIs 3645, 3650, 3654, 3661, 3663, 3666, 3670, 3645, 3650, 3654, 3661, 3663. 3666, and 3670.

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2026 NEC® Public Input Task Group Report

CMP #	16		
TG#	5		
TG Chair	William McCoy		
TG Members	Dr. Trevor Bowmer, Jeffrey Poulsen, Luigi Prezioso, Timothy Cooke, and David Schrembeck		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
810.6	3629	350	Accept This PI established three distinct numbered subsections (A) requirement is about protector device listing; (B) is about the protector location in the Lead-in connection; and (C) is a grounding requirement criteria. Also, works with PI 3085.

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CMP #	16		
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TG Chair	William McCoy		
TG Members	Dr. Trevor Bowmer, Jeffrey Poulsen, Luigi Prezioso, Timothy Cooke, and David Schrembeck		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
820	439	411	Accept. Per 2.1.5.4 of the Style Manuel Parts should be numbered sequentially.
820.90	3650	409	Accept in Principle. This revision creates a new Section to accommodate the protector requirements currently in 820.93 into a new Section more accurately titled “Protectors” and numbered to be parallel with other related protection Sections 805.90, 830.90, and 840.90. Related PIs 3645, 3654, 3660, 3661, 3663,, 3666, and 3670.
820.93	3654	369	Accept. To increase clarity this proposed submittal will move this information to Article 800 under a new Section 800.93. Related PIs 3645, 3650, 3670, 3666, 3660, 3661, 3663, 3645.

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2026 NEC® Public Input Task Group Report

CMP #	16		
TG#	5		
TG Chair	William McCoy		
TG Members	Dr. Trevor Bowmer, Jeffrey Poulsen, Luigi Prezioso, Timothy Cooke, and David Schrembeck		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
830.93	3661	371	Accept To increase clarity this proposed submittal will move this information to Article 800 under a new Section 800.93. Related PIs 3660, 3654, 3645, 3650, 3663, 3666, and 3670

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CMP #	16		
TG#	5		
TG Chair	William McCoy		
TG Members	Dr. Trevor Bowmer, Jeffrey Poulsen, Luigi Prezioso, Timothy Cooke, and David Schrembeck		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
840.93	3663	399	Accept In Principal. To increase clarity this proposed revision has been submitted to consolidate the common “Grounding, Bonding, and Interruption” criteria under a new proposed Section 800.93. Related PIs 3664, 3660, 3661, 3666, 3670, 3645, and 3650.
840.102	3085	1	Accept. Update Informational Note to comply with Style Manual. (Need) Section to complete.

2026 NEC® Public Input Task Group Report

CMP #	16		
TG#	6		
TG Chair	Chris Rawson		
TG Members	Luigi Prezioso, Stanley Kaufman, Frederick Johnston, Brian Ensign, John Kacperski		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
770.133 B 2	20	103	FR#1 – First Revision to update the NFPA 90A reference.
770.133 C 2	21	105	FR#2 - First Revision to update the NFPA 90A reference.
770.114	4073	107	Resolve – Adds no additional clarity by moving the item.
770.113 C	4035 3928 918	112 111 1	FR#3 - Changes to reflect these are listed cables and other readability improvements (e.g., no need to state in compliance with the installation rules of the Article, as already required for cabling under that Article) and class 4 cables were included to handle the oversight of the 2023 code.
770.133	2963	110	Reject but see FR#3 – Fr#3 deletes the mention of articles and parts.

2026 NEC® Public Input Task Group Report

CMP #	16		
TG#	6		
TG Chair	Chris Rawson		
TG Members	Luigi Prezioso, Stanley Kaufman, Frederick Johnston, Brian Ensign, John Kacperski		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
800.114 New	1006 2482	220 284	FR#1 – Added new Section 800.114 for grounding the shields of non-current carrying conductors. Changed all non-current carrying conductive members to only shields of non-current carrying conductive members.
800.113 B 1	1180	278	FR#2 – Revise text for typo.
800.113 B 2	24	279	FR#3 - First Revision to update the NFPA 90A reference.
800.113 C 2	25	281	FR#4 - First Revision to update the NFPA 90A reference.
800.113 H 2	978	283	Resolve – Type TC cables are not listed for communications.
800.133 A 1	4036 3930 1667 899	294 293 290 296	FR#5 - Changes to reflect these are listed cables and other readability improvements (e.g., no need to state in compliance with the installation rules of the Article, as already required for cabling under that Article) and class 4 cables were included to handle the oversight of the 2023 code.
800.133 A 1	2966	292	Resolve but See FR#5 - FR#5 deletes the mention of articles and parts.
800.133	1177	285	FR#6 - Section 800.113 covers installation requirements for cables used for communications circuits. Table 800.113 is a list of those cables. In order to coordinate with Table 800.113, this expands 800.133 to include optical fiber cables.
800.133 A 2	4175	298	FR#7 – Revised text permits Class 4 circuits and communications circuits in the same cable only if the cable is dual listed. Class 4 circuits are prohibited from being run in a communications cable because the

			communications cable is only rated for 300 volts where as Class 4 circuits are permitted up to 450 volts.
800.133 A 3	1178	299	FR#8 - Section 800.113 covers installation requirements for cables used for communications circuits. Table 800.113 is a list of those cables. In order to coordinate with Table 800.113, this FR expands 800.133 to include optical fiber cables.
800.133 B	1179	301	FR#9 - Section 800.113 covers installation requirements for cables used for communications circuits. Table 800.113 is a list of those cables. In order to coordinate with Table 800.113, this FR expands 800.133 to include optical fiber cables.
800.133 C	1176	302	FR#10 - Section 800.113 covers installation requirements for cables used for communications circuits. Table 800.113 is a list of those cables. In order to coordinate with Table 800.113, this FR expands 800.133 to include CATV-type coaxial cables, optical fiber cables, and network-powered broadband communications cables.
800.133	3670	303	FR#11 – This FR coordinates with the FR to establish new 800.93.
800.154	1169	305	FR#12 - Section 800.113 covers installation requirements for cables used for communications circuits. Table 800.113 is a list of those cables. In order to coordinate with Table 800.113, this FR expands the application requirements in 800.154 to include CATV-type coaxial cables, optical fiber cables, and network-powered broadband communications cables. It also moves the cable substitution hierarchies into the general article (Article 800) and establishes analogous cable substitution hierarchies for communications raceways and cable routing assemblies. The TerraView program could not handle the changed text and figures. All the changes are shown in the attached Word doc.
800.154	2967	309	FR#13 – The informational notes to Table 800.154 A were revised to comply with the style manual 4.1.4 and style manual reference 2.1.10.3. This FR for 800.154 is being handled separately from FR#12 due to the issues with TerraView.
			Companion revision to move cable shield grounding requirements to new 800.114.

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2026 NEC® Public Input Task Group Report

CMP #	16		
TG#	6		
TG Chair	Chris Rawson		
TG Members	Luigi Prezioso, Stanley Kaufman, Frederick Johnston, Brian Ensign, John Kacperski		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
805.154	1174	343	FR#1 – FR#12 (For Article 800) moves the cable substitution hierarchies into the general article (Article 800). This FR coordinates with FR#12 by deleting the cable substitution requirements from this Article.

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Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement

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2026 NEC® Public Input Task Group Report

CMP #	16		
TG#	6		
TG Chair	Chris Rawson		
TG Members	Luigi Prezioso, Stanley Kaufman, Frederick Johnston, Brian Ensign, John Kacperski		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
820.154	1173	421	FR#1 – FR#12 (For Article 800) moves the cable substitution hierarchies into the general article (Article 800). This FR coordinates with FR#12 by deleting the cable substitution requirements from this Article.

2026 NEC® Public Input Task Group Report

CMP #	16		
TG#	6		
TG Chair	Chris Rawson		
TG Members	Luigi Prezioso, Stanley Kaufman, Frederick Johnston, Brian Ensign, John Kacperski		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
830.133 (A) (1) (b) (1)	2970 3935 4038 826	377 382 386 390	FR#1 - Section 725.139(C) permits Class 4 cables in the same pathway as Class 2 & Class 3, power-limited fire alarm, optical fiber, CATV and low-power network-powered broadband cables. Reciprocal permission is needed in this Article. Changes to reflect these are listed cables and other readability improvements (e.g., no need to state in compliance with the installation rules of the Article, as already required for cabling under that Article)
830.154	1119	395	Resolve but see – – See FR#12 (Article 800) where the typo in the substitution table is fixed.
830.154	1172	396	FR#2 - FR#12 (For Article 800) moves the cable substitution hierarchies into the general article (Article 800). This FR coordinates with FR#12 by deleting the cable substitution requirements from this Article.

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2026 NEC® Public Input Task Group Report

CMP #	16		
TG#	6		
TG Chair	Chris Rawson		
TG Members	Luigi Prezioso, Stanley Kaufman, Frederick Johnston, Brian Ensign, John Kacperski		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement

2026 NEC® Public Input Task Group Report

CMP #	16		
TG#	7		
TG Chair	Anthony Tassone		
TG Members	Dmitry Bodik, Jerry Dorna, Roger Reiswig, Mike Murphy, Chris Rawson		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
770.179	2568	113	Resolve Panel Statement The term Sunlight resistance is already described in 770.179 as an optional marking and there are no Indoor/Outdoor Optical Fiber Cables Listed.

2026 NEC® Public Input Task Group Report

	16		
TG#	7		
TG Chair	Anthony Tassone		
TG Members	Dmitry Bodik, Jerry Dorna, Roger Reiswig, Mike Murphy, Chris Rawson		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
800.170	26	317	TG7 FR1 800.170 Plenum Cable Ties. Cable ties intended for use in other space used for environmental air (plenums) shall be listed as having low smoke and heat release properties. Informational Note: See NFPA 90A-~~2018~~, <i>ADD Standard for the Installation of Air-Conditioning and Ventilating Systems</i>, and ~~ANSI/UL 2043-2013~~-<i>ADD, Standard for Safety Fire Test for Heat and Visible Smoke Release for Discrete Products and Their Accessories Installed in Air-Handling Spaces</i>, for information on listing discrete products as having low smoke and heat release properties Panel Statement – The revision dates are being updated to the latest revision and the ANSI references are being deleted.
800.171	1142	319	TG7 FR2 800.171 Communications Equipment. Communications equipment shall be listed as being suitable for electrical connection to a communications network. Informational Note No. 1: See ~~ANSI/UL 60950-1-2014~~ <u>2019</u>, <i>Standard for Safety of Information Technology Equipment</i>, ~~ANSI/UL 1863-2012~~ <u>2019</u>, <i>Standard for Safety Communications Circuit Accessories</i>, or ~~ANSI/UL 62368-1-2014~~ or ~~ANSI/UL 62368-1-2018~~ <u>2021</u>, <i>Audio/Video, Information and Communication Technology Equipment— Part 1: Safety Requirements</i>. Informational Note No. 2: See ~~ANSI/ATIS 0600337-~~ <u>2016</u>, <i>Requirements for Maximum Voltage, Current, and Power Levels Used in Communications Circuits</i>, for additional information

			regarding voltages, currents, and power allowed on communications circuits. Panel Statement – The revision dates are being updated to the latest revision and ANSI references are being deleted.
800.179	905	325	TG7 FR9 Communications wires and cables, community antenna television cables, and network-powered broadband communications cables shall be listed in accordance with 800.179(A) through (L) and shall have a temperature rating of not less than 60°C (140°F). The temperature rating shall be marked on the jacket of cables that have a temperature rating exceeding 60°C (140°F). Conductors in communications cables, other than in a coaxial cable, shall be copper. Cables shall be permitted to contain optical fibers. Cables containing optical fibers shall be marked with the suffix “-OF.” Communications wires and cables and network-powered communications cables shall have a voltage rating of not less than 300 volts; the insulation for the individual conductors, other than the outer conductor of a coaxial cable, shall be rated for 300 volts minimum. The cable voltage rating shall not be marked on the cable or on the under-carpet communications wire. <i>Exception: Voltage markings shall be permitted where the cable has multiple listings and voltage marking is required for one or more of the listings.</i> Informational Note No. 1: Voltage markings on cables could be misinterpreted to suggest that the cables may be suitable for Class 1, electric light, and power applications. Informational Note No. 2: See UL 444-~~2017~~ <u>2023</u>, ~~Standard for Communications Cables~~, for information on communications cables. Informational Note No. 3: See UL1655-~~2009~~ <u>2020</u>, ~~Standard for Community-Antenna Television Cables~~, for information on community-antenna television cables. Panel Statement - The reference dates of the Standards have been updated and the terms “Standard for” was removed from the titles for consistency.
800.179(A)-(J)	1157, 906,	320,324	TG7 FR3 800.179(A) Plenum Cables. Type CMP communications plenum cables, <u>Types OFNP and OFCP nonconductive and conductive optical fiber plenum cables</u>, Type CATVP community antenna television plenum coaxial cables, and Type BLP network-powered broadband communication low-power plenum cables shall be listed as being suitable for use in ducts, plenums, and other spaces used for environmental air and shall also be listed as having adequate fire-resistant and low-smoke-producing characteristics. Informational Note: See NFPA 262-~~2019~~ <u>2023</u>, <i>Standard Method of Test for Flame Travel and Smoke of Wires</i>

			<i>and Cables for Use in Air-Handling Spaces</i>, for one method of defining a cable that is low-smoke producing cable and fire-resistant cable so that the cable exhibits a maximum peak optical density of 0.50 or less, an average optical density of 0.15 or less, and a maximum flame spread distance of 1.52 m (5 ft). 800.179(B) Riser Cables. Type CMR communications riser cables, <u>Types OFNR and OFCR nonconductive and conductive optical fiber riser cables</u>, Type CATVR community antenna television riser coaxial cables, Type BMR network-powered broadband communications medium-power riser cables, and Type BLR network-powered broadband communications low-power riser cables shall be listed as being suitable for use in a vertical run in a shaft or from floor to floor and shall also be listed as having fire resistant characteristics capable of preventing the carrying of fire from floor to floor. Informational Note: See ~~ANSI/UL 1666-2017~~ <u>2021</u>, <i>Standard Test for Flame Propagation Height of Electrical and Optical-Fiber Cable Installed Vertically in Shafts</i>, for one method of defining fire-resistant characteristics of the cable capable of preventing the carrying of fire from floor to floor. 800.179(C) General-Purpose Cables. 800.179(C)(1) Types CMG, OFNG and OFCG. Type CMG communications general-purpose cables <u>and Types OFNG and OFCG nonconductive and conductive general-purpose optical fiber cables</u>, shall be listed as being suitable for general-purpose use, with the exception of risers and plenums, and shall also be listed as being resistant to the spread of fire. Informational Note: See CSA Vertical Flame Test — Cables in Cable Trays as described in CSA C22.2 No. 0.3-09 (R2019), <i>Test Methods for Electrical Wires and Cables</i>, for one method of defining resistance to the spread of fire where the damage (char length) of the cable does not exceed 1.5 m (4 ft 11 in.) or FT4 Flame Test in ~~ANSI/UL 1685-2015~~ <u>2020</u>, <i>Standard for Safety for Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables</i>. The smoke measurements in the test methods are not applicable. 800.179(C)(2) Types CM, OFN, OFC, CATV, BM, and BL. Type CM communications general-purpose cables, <u>Types OFN and OFC nonconductive and conductive general-purpose optical fiber cables</u>, Type CATV community antenna television coaxial general-purpose cables, Type BM network-powered broadband communications medium-power general-purpose cables, and Type BL network-powered broadband communications low-power general-purpose cables shall be listed as being suitable for general purpose
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			use, with the exception of risers and plenums, and shall also be listed as being resistant to the spread of fire. Informational Note: See UL Flame Exposure in ~~ANSI/UL 1685-2015~~ <u>2020</u>, <i>Standard for Safety for Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables</i>, for one method of defining <i>resistance to the spread of fire</i> where the damage (char length) of the cable does not to exceed 244 cm (8 ft 0 in.). The smoke measurements in the test method are not applicable. 800.179(D) Limited-Use Cables. Type CMX limited-use communications cables, Type CATVX limited use community antenna television coaxial cables, and Type BLX limited-use network-powered broadband low-power cables shall be listed as being suitable for use in dwellings and for use in raceway and shall also be listed as being resistant to flame spread. Informational Note: See ~~ANSI/UL 2556~~, <i>Standard for Wire and Cable Test Methods</i>, for one method of determining that cable is resistant to flame spread is by testing the cable to the FV-2/VW-1 flame test. 800.179(E) Circuit Integrity (CI) Cable, Fire-Resistive Cable System, or Electrical Circuit Protective System. Cables that are used for survivability of critical circuits under fire conditions shall be listed and meet either 800.179(E)(1), (E)(2), or (E)(3). 800.179(E)(1) CI Cables. Cables specified in 800.179(A) through (C) and used for survivability of critical circuits shall be marked with the additional classification using the suffix “CI.” In order to maintain its listed fire rating, CI cable shall only be installed in free air in accordance with 800.24. CI cables shall only be permitted to be installed in a raceway where specifically listed and marked as part of a fire-resistive cable system as covered in 800.179(E)(2). Informational Note: See UL 2196, <i>Standard for Fire Test for Circuit Integrity of Fire-Resistant Power, Instrumentation, Control, and Data Cables</i>, for one method of defining CI cable by establishing a minimum 2-hour fire resistance rating for the cable as specified in UL 444, <i>Standard for Safety Communications Cables</i>. 800.179(E)(2) Fire-Resistive Cable Systems. Cables specified in 800.179(A) through (C) and 800.179(E)(1) that are part of an electrical circuit protective system shall be fire-resistive cable identified with the protective system number on the product, or on the smallest unit container in which the product is packaged,
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			and shall be installed in accordance with the listing of the protective system. Informational Note No. 1: See UL 2196, <i>Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables</i>, for one method of defining an electrical circuit protective system rating for the system. UL <i>Guide Information for Electrical Circuit Integrity Systems (FHIT)</i> contains information to identify the system and its installation limitations to maintain a minimum fire resistive rating. Informational Note No. 2: The listing organization provides information for electrical circuit protective systems (FHIT), including installation requirements for maintaining the fire rating. 800.179(E)(3) Electrical Circuit Protective System. Protectants for cables specified in 800.179(A) through (E), which are part of an electrical circuit protective system, shall be identified with the protective system identifier and hourly rating marked on the protectant or the smallest unit container and installed in accordance with the listing of the system. Informational Note: See UL 1724, <i>Fire Tests for Electrical Circuit Protective Systems</i>, for one method of defining an electrical circuit protective system. UL <i>Guide Information for Electrical Circuit Integrity Systems (FHIT)</i> contains information to identify the system and its installation limitations to maintain the fire-resistive rating. 800.179(F) Types CMP-LP, CMR-LP, CMG-LP, and CM-LP Limited Power (LP) Cables. Types CMP-LP, CMR-LP, CMG-LP, and CM-LP communications limited power cables shall be listed as suitable for carrying power and data up to a specified current limit for each conductor without exceeding the temperature rating of the cable where the cable is installed in cable bundles in free air or installed within a raceway, cable tray, or cable routing assembly. The cables shall be marked with the suffix “-LP(XXA),” where XX designates the current limit in amperes per conductor. Informational Note: An example of the marking on a communications cable with an LP rating is “CMP-LP (0.6A)(75°C) 23 AWG 4 pair,” which indicates that it is a 4-pair plenum cable with 23 AWG conductors, a temperature rating of 75°C, and a current limit of 0.6 amperes. <u>800.179(G) Field-Assembled Optical Fiber Cables.</u> <u>Field-assembled optical fiber cable shall comply with the following:</u>
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			<u>(1) The specific combination of jacket and optical fibers intended to be installed as a field-assembled optical fiber cable shall be one of the optical fiber cable types in 800.179(A), (B), or (D) and shall be marked in accordance with Table 800.179(I)(3).</u> <u>(2) The jacket of a field-assembled optical fiber cable shall have a surface marking indicating the specific optical fibers with which it is identified for use.</u> <u>(3) The optical fibers shall have a permanent marking, such as a marker tape, indicating the jacket with which they are identified for use.</u> <u>(4) The jacket without fibers shall meet the listing requirements for communications raceways in 800.182(A), (B), or (C) in accordance with the cable marking.</u> 800.179(~~GH~~) Type CMUC Undercarpet Wires and Cables. Type CMUC undercarpet communications wires and cables shall be listed as being suitable for undercarpet use and shall also be listed as being resistant to flame spread. Informational Note: See ANSI/UL 2556, <i>Standard for Wire and Cable Test Methods</i>, for one method of determining that cable is resistant to flame spread in accordance with the FV-2/VW-1 flame test. 800.179(~~HI~~) Communications Wires. Communications wires, such as distributing frame wire and jumper wire, shall be listed as being resistant to the spread of fire. Informational Note No. 1: See UL Flame Exposure, Vertical Flame Tray Test in ANSI/UL 1685-2015 2020, <i>Standard for Safety for Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables</i>, for one method of defining <i>cable flame resistance to the spread of fire</i> where the cables do not spread fire to the top of the tray. The smoke measurements in the test method are not applicable. Informational Note No. 2: See CSA Vertical Flame Test — Cables in Cable Trays, as described in CSA C22.2 No. 0.3-09 (R2019), <i>Test Methods for Electrical Wires and Cables</i>, for another method of defining <i>resistance to the spread of fire</i> is for the damage (char length) of the cable to not exceed 1.5 m (4 ft 11 in.). <u>800.179(J) Cable Marking.</u> <u>800.179(J)(1).</u> Communications cables shall be marked in accordance with Table 800.179(I)(1). <u>Table 800.179(I)(1) Communications Cable Marking</u>
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			<table><tr><th>Cable Marking</th><th>Type</th></tr><tr><td>CMP</td><td>Communications plenum cable</td></tr><tr><td>CMR</td><td>Communications riser cable</td></tr><tr><td>CMG</td><td>Communications general-purpose cable</td></tr><tr><td>CM</td><td>Communications general-purpose cable</td></tr><tr><td>CMX</td><td>Communications cable, limited use</td></tr><tr><td>CMUC</td><td>Under-carpet communications wire and cable</td></tr></table> Informational Note: Cable types are listed in descending order of fire performance. 800.179(J)(2). CATV-type coaxial cables shall be marked in accordance with Table 800.179(I)(2). Table 800.179(I)(2) CATV-type Coaxial Cable Marking. <table><tr><th>Cable Marking</th><th>Type</th></tr><tr><td>CATVP</td><td>CATV plenum cable</td></tr><tr><td>CATVR</td><td>CATV riser cable</td></tr><tr><td>CATV</td><td>CATV cable</td></tr><tr><td>CATVX</td><td>CATV cable, limited use</td></tr></table> 800.179(J)(3). Optical fiber cables shall be marked in accordance with Table 800.179(I)(3). Table 800.179(I)(3) Optical Fiber Cable Marking <table><tr><th>Cable Marking</th><th>Type</th></tr><tr><td>OFNP</td><td>Nonconductive optical fiber plenum cable</td></tr><tr><td>OFCP</td><td>Conductive optical fiber plenum cable</td></tr><tr><td>OFNR</td><td>Nonconductive optical fiber riser cable</td></tr><tr><td>OFCR</td><td>Conductive optical fiber riser cable</td></tr><tr><td>OFNG</td><td>Nonconductive optical fiber general-purpose cable</td></tr><tr><td>OFCG</td><td>Conductive optical fiber general-purpose cable</td></tr><tr><td>OFN</td><td>Nonconductive optical fiber general-purpose cable</td></tr><tr><td>OFC</td><td>Conductive optical fiber general-purpose cable</td></tr></table> Panel Statement – 800.179 (A)-(J) are being added or revised to include Optical Fiber Cable Types. In addition, the Standard references have been updated.	Cable Marking	Type	CMP	Communications plenum cable	CMR	Communications riser cable	CMG	Communications general-purpose cable	CM	Communications general-purpose cable	CMX	Communications cable, limited use	CMUC	Under-carpet communications wire and cable	Cable Marking	Type	CATVP	CATV plenum cable	CATVR	CATV riser cable	CATV	CATV cable	CATVX	CATV cable, limited use	Cable Marking	Type	OFNP	Nonconductive optical fiber plenum cable	OFCP	Conductive optical fiber plenum cable	OFNR	Nonconductive optical fiber riser cable	OFCR	Conductive optical fiber riser cable	OFNG	Nonconductive optical fiber general-purpose cable	OFCG	Conductive optical fiber general-purpose cable	OFN	Nonconductive optical fiber general-purpose cable	OFC	Conductive optical fiber general-purpose cable
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800.182A	1354, 27, 1139, 1138, 1140		TG7 FR4 (A) Plenum Cable Routing Assemblies and Plenum Communications Raceways. Plenum cable routing assemblies and plenum communications raceways shall be listed as having adequate fire-resistant and low-smoke-producing characteristics.																																										

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			Informational Note No. 1: See ASTM E84-~~19B~~ <u>23a</u>, <i>Standard Test Method for Surface Burning Characteristics of Building Materials</i>, or ANSI/UL 723-~~2018~~ <u>2023</u>, <i>Standard Test Method for Surface Burning Characteristics of Building Materials</i>, for one method of defining cable routing assemblies and communications raceways that have adequate fire-resistant and low-smoke-producing characteristics and exhibit a maximum flame spread index of 25 and a maximum smoke developed index of 50. Informational Note No. 2: See NFPA 262-~~2019~~ <u>2023</u>, <i>Standard Method of Test for Flame Travel and Smoke of Wires and Cables for Use in Air-Handling Spaces</i>, for another method of defining communications raceways that have adequate fire-resistant and low smoke-producing characteristics and exhibit a maximum peak optical density of 0.50 or less, an average optical density of 0.15 or less, and a maximum flame spread distance of 1.52 m (5 ft) or less. Informational Note No. 3: See 4.3.11.2.6 or 4.3.11.5.5 of NFPA 90A-~~2021~~ <u>2024</u>, <i>Standard for the Installation of Air-Conditioning and Ventilating Systems</i>, for information on materials exposed to the airflow in ceiling cavity and raised floor plenums.
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2026 NEC® Public Input Task Group Report

CMP #	16		
TG#	7		
TG Chair	Anthony Tassone		
TG Members	Dmitry Bodik, Jerry Dorna, Roger Reiswig, Mike Murphy, Chris Rawson		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
830.179	1199	397	TG7 FR5 830.179 Network-Powered Broadband Communications Equipment and Cables. Network-powered broadband communications equipment and cables shall be listed and marked in accordance with 830.179(A) through and (CB). <i>Exception No. 1: This listing requirement shall not apply to community antenna television and radio distribution system coaxial cables that were installed prior to January 1, 2000, in accordance with Article 820 and are used for low-power network-powered broadband communications circuits.</i> <i>Exception No. 2: Substitute cables for network-powered broadband communications cables shall be permitted as shown in Table 830.154.</i> ~~(A) General Requirements.~~ ~~The general requirements in 800.179 shall apply.~~ (BA) Network-Powered Broadband Communications Medium-Power Cables. Network-powered broadband communications medium-power cables shall be factory-assembled cables consisting of a jacketed coaxial cable, a jacketed combination of coaxial cable and multiple individual conductors, or a jacketed combination of an optical fiber cable and multiple individual conductors. The insulation for the individual conductors shall be rated for 300 volts minimum. Cables intended for outdoor use shall be listed as suitable for the application. Cables shall be marked in accordance with 310.8. Type BMU cables shall be jacketed and listed as being suitable for outdoor underground use. (CB) Network-Powered Broadband Communication Low-Power Cables. Network-powered broadband communications low-power cables shall be factory-assembled cables consisting of a jacketed coaxial cable, a jacketed combination of coaxial cable and multiple individual conductors, or a jacketed combination of an optical fiber cable and multiple individual conductors. The insulation for the individual conductors shall be rated for 300 volts minimum. Cables intended for outdoor use shall be listed as suitable for the application. Cables shall be marked in accordance with 310.8. Type BLU cables shall be jacketed and listed as being suitable for outdoor underground use.

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			Panel Statement – In accordance with the Style Manual, the wording is being deleted since it is redundant text.
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2026 NEC® Public Input Task Group Report

CMP #	16		
TG#	7		
TG Chair	Anthony Tassone		
TG Members	Dmitry Bodik, Jerry Dorna, Roger Reiswig, Mike Murphy, Chris Rawson		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
840.170	1198	403	TG7 FR6 840.170 Equipment and Cables. Premises-powered broadband communications systems equipment and cables shall comply with 840.170(A) through (CØ). (A) Network Terminal. The network terminal and applicable grounding means shall be listed for application with premises-powered broadband communications systems. Informational Note No. 1: See ~~ANSI/UL 60950-1-2014~~, <u>2019 Standard for Safety of Information Technology Equipment</u>; ~~ANSI/UL 498A-2015, 2021, Current Taps and Adapters~~; ~~ANSI/UL 467-2013~~, <u>2022, Grounding and Bonding Equipment</u>; or ~~ANSI/UL 62368-1-2014, 2021 Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements~~. Informational Note No. 2: There are no requirements on the network terminal and its grounding methodologies except for those covered by the listing of the product. ~~(B) Premises Communications Wires and Cables.~~ ~~Communications wires and cables shall be listed and marked in accordance with 800.179.~~ (BØ) Power Source. The power source for circuits intended to provide power over communications cables to remote equipment shall be limited in accordance with Table 11(B) in Chapter 9 for voltage sources up to 60 volts dc and be listed as specified in either of the following: (1) A power source shall be listed as specified in 725.60(A)(1), (A)(2), (A)(3), or (A)(4). The power sources shall not have the output connections paralleled or otherwise interconnected unless listed for such interconnection. (2) A power source shall be listed as communications equipment for limited-power circuits. Informational Note: See ~~ANSI/UL 60950-1-2014~~, <u>2019, Standard for Safety of Information Technology Equipment-Safety – Part 1</u>, or ~~ANSI/UL 62368-1-2014~~, <u>2021, Audio/Video, Information and Communication Technology Equipment – Part 1: Safety Requirements</u>. Typically, such circuits are used to interconnect equipment for the purpose of exchanging information (data). (CØ) Accessory Equipment. Communications accessory equipment and/or assemblies shall be listed for application with premises-powered communications systems. Informational Note: See ~~ANSI/UL 1863-2004~~, <u>2019, Communications-Circuit Accessories</u>.

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			Panel Statement – In accordance with the Style Manual, any duplication in requirements need to be deleted. In addition, the latest revision dates were added for each Standard referenced.
Part VI	1132		TG7FR7 Part ~~VI~~ V . Premises Powering of Communications Equipment over Communications Cables Panel Statement - Headings need to be updated for proper alignment of the Part Numbers in the Chapter.
Part VII	1134		TG7FR8 Part ~~VII-VI~~ . Listing Requirements Panel Statement - Headings need to be updated for proper alignment of the Part Numbers in the Chapter.

2026 NEC® Public Input Task Group Report

CMP #	16		
TG#	8		
TG Chair	Diana Lettkeman		
TG Members	Anthony Tassone, Trevor Bowmer, Job Mueller, Chris Rawson, Dmitriy Bodik, Brian Ensign		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
770	3690	52	Resolve / The movement of article 770 to chapter three would not aid the user or the usability of the code.
770.3(A), 770.3(B)	3443	75	Resolve / The text from Article 770 is not relocated but deleted from the new Article X00 under PI 3234. There is no technical justification supplied for the deletion of the requirement. The reference in current 770.3 to sealing requirements in 501.15 , 502.15 , 505.16 , or 506.16 were deleted as well as any reference to 300.22A for optical fiber cables use in Ducts for dust, loose stock, or vapor removal.
770.21/24/25/26	3444	76	Resolve / A considerable part of the text from Article 770 Sections 24, and Section 26 in its entirety, is not relocated but deleted from the referenced new Article X00 under PI 3234. There is no technical justification supplied for the deletion of these requirements. For clarity, ease-of-use and useability it is better to have as many requirements as practical for optical fiber systems explicitly in one article (namely 770).
770.133(A), 770.133(B), 770.133(C)	3445	108	Resolve / The text from Article 770 is not relocated but greatly shortened and altered in the Section X00.100 of the new proposed Article X00 under PI 3234. There is no technical justification supplied for the technical changes to the text.

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CMP #	16		
TG#	8		
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TG Members	Anthony Tassone, Trevor Bowmer, Job Mueller, Chris Rawson, Dmitriy Bodik, Brian Ensign		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
Chapter 8	3694	118	Resolve / This item requires technical substantiation and reasons for the changes to ensure the structure of the code.
800.2	3446	202	Resolve / For clarity, ease-of-use and usability it is better to have as many requirements as practical for communications systems explicitly in one article such as 800. The relocated text in the proposed X00 does not address the proposed revision of PI 3628 submitted to modify 800.2 which concerns placing limits on use of protectors in communications systems.
800.3B, 800.3C, 800.3D	3447	214	Resolve / The text from Article 800.3 is not relocated but deleted from the new Article X00 under PI 3234. There is no technical justification supplied for the deletion of the requirement. The reference in current 800.3 to sealing requirements in 501.15 , 502.15 , 505.16 , or 506.16 were deleted as well as any reference to 300.22A for optical fiber cables use in Ducts for dust, loose stock, or vapor removal.
800.49	3340	260	Resolve / The text from Article 800.49 is not just relocated but modified and revised when moved to X50.42 and X50.48 in the proposed new Article X50 under PI 3333. There is no technical justification supplied for the removal of reference to 800.100 (or X50.100 in proposed new article).
800.100, 800.106	3341	264	Resolve / For clarity, ease-of-use and usability it is better to have as many requirements as practical for communications systems explicitly in one article such as 800. The relocated text in the proposed X00 does not address the proposed revisions of PI 1189, PI200, PI4069, PI 1991, and PI 992, submitted to modify 800.100 and 800.106 resulting in conflicts between the new X50 Article and possible First Draft actions on these PIs.
800.21	3448	224	Resolve / For clarity, ease-of-use and avoiding confusion it is better to have as many requirements as practical for communications systems explicitly in one article such as 800.

800.24 A	3449	240	Resolve / A considerable part of the text from Article 800 Section 24 is not relocated but deleted from the referenced new Article X00 under PI 3234. There is no technical justification supplied for the deletion of these requirements. The relocated text in the proposed X00 does not address the proposed revisions of PIs 3694, 1709, 1184, 1386, 2013, 22, 2444, 2446, 2495, 4045, and 51 with concerns updates, word changes and deletions to the text. Without including such revisions will result in conflicts and confusion between the new X00 Article and possible First Draft actions on these PIs.
800.25, 800.26	3450	245	Resolve / For clarity, ease-of-use and avoiding confusion it is better to have as many requirements as practical for communications systems explicitly in one article such as 800. The relocated text in the proposed X00 does not address the proposed revisions of PI 700 with textual changes.
800.133(A), 800.133(B)	3451	288	Resolve / The text from Article 800 is not relocated but greatly shortened and technically altered in the Section X00.100 of the new proposed Article X00 under PI 3234. There is no technical justification supplied for the technical changes to the text. There are several PIs including PIs 1667, 2966, 3930, 4036, 899, 4175, 1178, 1179, 1176, and 3670, which have been submitted to modify 800.133 with concerns of updates, word changes and deletions to the text. Without including such revisions the result will in conflicts and confusion between the new X00 Article and possible First Draft actions on these PIs.
800.180	3342	327	Resolve / For clarity, ease-of-use and avoiding confusion it is better to have as many requirements as practical for communications systems explicitly in one article such as 800. The relocated text in the proposed Articles X00 and X50 does not address the proposed revisions of PI 200 and PI 201 to 800.180.

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CMP #	16		
TG#	8		
TG Chair	Diana Lettkeman		
TG Members	Anthony Tassone, Trevor Bowmer, Job Mueller, Chris Rawson, Dmitriy Bodik, Brian Ensign		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
805.50 (C)(3)	3344	335	Resolve / For clarity, ease-of-use and avoiding confusion it is better to have as many requirements as practical for communications systems explicitly in one article such as 805 rather to separate these two related rules and sentences into different articles (805 and X050).
805.90, 805.93	3345	336	Resolve / For clarity, ease-of-use and usability it is better to have as many requirements as practical for communications systems explicitly in one article such as 800. The relocated text in the proposed X50 and X90 does not address the proposed revisions of several PIs including PIs 3645, 3650, 3654, 3660, 3661, 3663, 3666, and 3670, that have been submitted to consolidate the common requirements of the various 8xx.93 sections into a single new 800.93
805.170	3346	345	Resolve / For clarity, ease-of-use and avoiding confusion it is better to have as many requirements as practical for communications systems explicitly in one article such as 805 for communications circuits.

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TG Chair	Diana Lettkeman		
TG Members	Anthony Tassone, Trevor Bowmer, Job Mueller, Chris Rawson, Dmitriy Bodik, Brian Ensign		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
810.6, 810.7	3347	351	Resolve / The text from 810.6 is not just relocated but revised significantly in the new Article X50 under PI 3333 (Section 50.2). There is no technical justification supplied for the revision of the requirement. The revisions proposed under PI3629 were not included in Article X50.
810.15	3348	353	Resolve / For clarity, ease-of-use and useability it is better to have as many requirements as practical for antenna systems explicitly in one article such as 810 rather than in X50.60B
810.20, 810.21	3349	354	Resolve / The text from 810.20 and 810.21 is not just relocated but revised significantly in the new Article X50 under PI 3333 (Section X50.60, X50.66 and X50.68). There is no technical justification supplied for the revisions of the requirement. There are several PIs including PIs 3636, 1240 and 3638 that were submitted to revise the text of current 810.21 that were not considered and coordinated with any action on this X50. For clarity, ease-of-use and usability it is better to have as many requirements as practical for antenna systems explicitly in one article such as 810 rather than in X50.
810.57, 810.58	3351	360	Resolve / For clarity, ease-of-use and useability it is better to have as many requirements as practical for antenna systems explicitly in one article such as 810 rather than in X50, and 800 and 810
810.70	3352	363	Resolve / For clarity, ease-of-use and useability it is better to have as many requirements as practical for antenna systems explicitly in one article such as 810 rather than in X50.68, X50.70, 810 and 800.

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			There are PIs 2969, and 3452 that were submitted to revise the text of current 810.70 that were not considered and coordinated with any action on this X50
810.71A, 810.71B	3354	364	Resolve / For clarity, ease-of-use and useability it is better to have as many requirements as practical for antenna systems explicitly in one article such as 810 rather than in X50, 810 and 800.

2026 NEC® Public Input Task Group Report

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TG Members	Anthony Tassone, Trevor Bowmer, Job Mueller, Chris Rawson, Dmitriy Bodik, Brian Ensign		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
Part III, 820.93, Part IV, 820.100, 820.103	3355	412	Resolve / For clarity, ease-of-use and useability it is better to have as many requirements as practical for CATV systems explicitly in one article such as 820 rather than X00, X50, X22, X90, 800 and 820. The relocated text in the proposed X50 and X90 does not address the proposed revisions of several PIs including PIs 3645, 3650, 3654, 3660, 3661, 3663, 3666, and 3670, that have been submitted to consolidate the common requirements of the various 8xx.93 sections into a single new 800.93.

2026 NEC® Public Input Task Group Report

CMP #	16		
TG#	8		
TG Chair	Diana Lettkeman		
TG Members	Anthony Tassone, Trevor Bowmer, Job Mueller, Chris Rawson, Dmitriy Bodik, Brian Ensign		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
Part III, 830.90, Part IV, 830.93	3356	414	Resolve / For clarity, ease-of-use and usability it is better to have as many requirements as practical for communications systems explicitly in one article such as 830 and not spread between X00, X50, X90, 800, and 830. The relocated text in the proposed X50 and X90 does not address the proposed revisions of several PIs including PIs 3645, 3650, 3654, 3660, 3661, 3663, 3666, and 3670, that have been submitted to consolidate the common requirements of the various 8xx.93 sections into a single new 800.93
830.133 A	3453	373	Resolve / The text from Article 830 is not relocated but greatly shortened and technically altered in the Section X00.100 of the new proposed Article X00 under PI 3234. There is no technical justification supplied for the technical changes to the text. There are several PIs including PIs 1667, 2966, 3930, 4036, 899, 4175, 1178, 1179, 1176, and 3670 have been submitted to modify 800.133 with concerns of updates, word changes and deletions to the text. Without including such revisions the result will in conflicts and confusion between the new X00 Article and possible First Draft actions on these PIs.

2026 NEC® Public Input Task Group Report

CMP #	16		
TG#	8		
TG Chair	Diana Lettkeman		
TG Members	Anthony Tassone, Trevor Bowmer, Job Mueller, Chris Rawson, Dmitriy Bodik, Brian Ensign		
Article/Section	Public Input #	PI Report Page #	TG Recommendation & Statement
Part III, 840.90, Part IV, 840.93, 840.94	3358	417	Resolve / For clarity, ease-of-use and usability it is better to have as many requirements as practical for communications systems explicitly in one article such as 840 and not spread between X00, X50, X90, 800, and 840. The relocated text in the proposed X50 and X90 does not address the proposed revisions of several PIs including PIs 3645, 3650, 3654, 3660, 3661, 3663, 3666, and 3670, that have been submitted to consolidate the common requirements of the various 8xx.93 sections into a single new 800.93
Part IV, 840.101	3360	419	Resolve / For clarity, ease-of-use and usability it is better to have as many requirements as practical for communications systems explicitly in one article such as 840 and not spread between X00, X50, X90, 800, and 840.

Founded to sell watches;
evolved to sell everything

Founded to sell books;
evolved to sell everything

1972

sears

2 of every 3
Americans shopped
in last 3 months

1987 Sales = 1% of GDP

2017

amazon

2 of every 3
Americans shopped
in last 3 months

2017 Sales = 1% of GDP

M Merriam
Associates

Source: Chicago Tribune



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As the
resource
and fire
emerg

**March
2020**



**Chapter 1
General**



**Chapter 2
Wiring & Protection**



**Chapter 3
Wiring Methods &
Materials**



**Chapter 4
Equipment for
General Use**



**Chapter 5
Special
Occupancies**



**Chapter 6
Special
Equipment**



**Chapter 7
Special Conditions**



**Chapter 8
Communications
Systems**

1937-2023 (35 editions):

Introduction (Identified as Article 90 starting in the 1959 edition)

Chapter 1 – General

Chapter 2 – Wiring Design and Protection

Chapter 4 has grown from 10 articles in the 1937 edition to 22 articles in the 2023 edition

Chapter 5 has grown from 5 articles in the 1937 edition to 27 articles in the 2023 edition

Chapter 6 has grown from 7 articles in the 1937 edition to 27 articles in the 2023 edition

Chapter 7 has grown from 4 articles in the 1937 edition to 15 articles in the 2023 edition

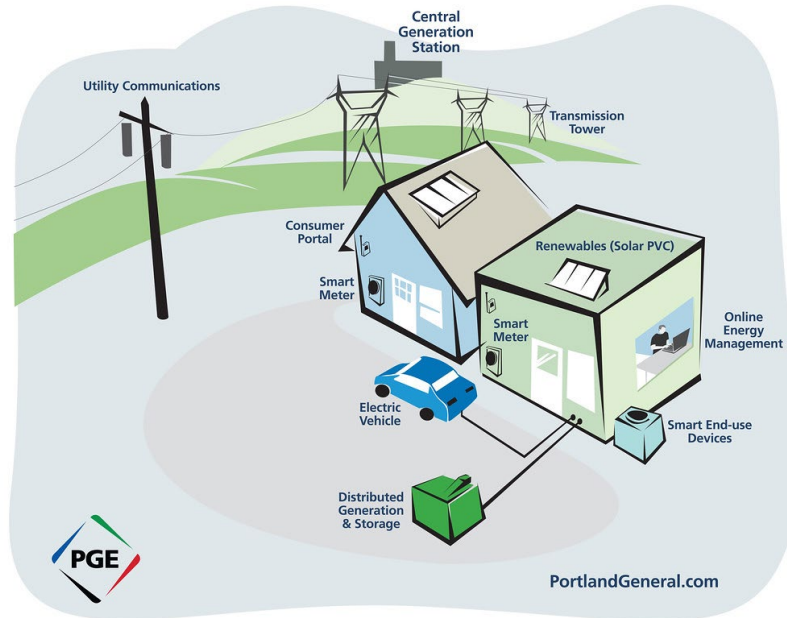
Chapter 8 has grown from 2 articles in the 1937 edition to 6 articles in the 2023 edition

What Else is Coming Down the Pike?



By: MTA Construction and Development

By: Portland General Electric



By: National Renewable Labs



Where do we want to go?

- Remain relevant with the quickly evolving electrical industry
- Improve usability
 - Place content where it makes sense
 - Logical/parallel structure
 - Systems below 1000V
 - Limited Energy
 - Medium Voltage
 - Eliminate “Special Equipment”/ “Special Conditions”
 - Leverage the past to make the future even better
- Create a structure that looks to the future





NATIONAL FIRE PROTECTION ASSOCIATION

The leading information and knowledge resource on fire, electrical and related hazards

National Electrical Code® Correlating Committee White Paper

Keeping the NEC® Relevant - Is Now the Time to Modernize?

The National Electrical Code® (NEC®) is the foundation of the electrical installation regulatory infrastructure for the United States, Mexico, and numerous other jurisdictions around the world. Growing demand for safe, reliable, resilient, and efficient use of electrical power to support society and the economy is aligning with technological advancement of power generation sources, electrical distribution, and new electrical power loads. It is critical the NEC be revised and implemented by the electrical community every three years to support the accelerating pace of change and technological advancement.

The structure of the NEC plays a critical role for personnel in learning, understanding, applying, and enforcing the requirements established within this regulatory code. While the current structure, first introduced in 1937, has provided tremendous success and stability and continues to be used by engineers, contractors, electricians and training programs, the ability to efficiently learn and quickly apply and inspect advancing technologies and uniquely configured electrical systems is a challenge for all electrical professionals. The existing NEC structure needs modernization to continue to support the advancing electrical infrastructure configurations and technological advancements. Therefore, it is imperative that the electrical industry actively pursue a revised NEC organizational structure to support ease of learning, understanding, and applying the NEC safety provisions in a rapidly advancing new energy landscape.

Keeping the
NEC Relevant
Now is the
Time to
Modernize

Industry Trends

Medium Voltage

Limited Energy

Multi-Directional Power Flow

Digital Delivery of Content

Future Vision

Path Forward

Feedback

More difficult for AHJ's when inspecting

Less likely to have listed equipment since traditionally geared toward utility.

More likely to have requirements that are antiquated

Depth of knowledge of Technical Committees can be a challenge.

Wiring methods in Chapter 3 for >1000 volt systems are difficult to determine

With renewable energy and microgrids lines of distinction between NESC and NEC are blurred.

Medium Voltage

A Starting Point for Considering a New Approach



Limited Energy

Past

- Confusing
- No more Ma Bell
- Independence Chapter 8 vs Dependence Chapter 1-7
- Cat 5/6 Cable Article 725 and 805
- POE is Article 725 and 840
- How do we maintain relevance?

Future

- Improve usability.
- Improve Terminology
- Create structure that is technology agnostic.
- Eliminate redundancy.
- Parallel Structure
- Everything communicates

Short-Term Goals (2026)

MV /Limited Energy

- Move from Medium voltage structure to Medium Voltage Technical changes
- Work on Limited Energy

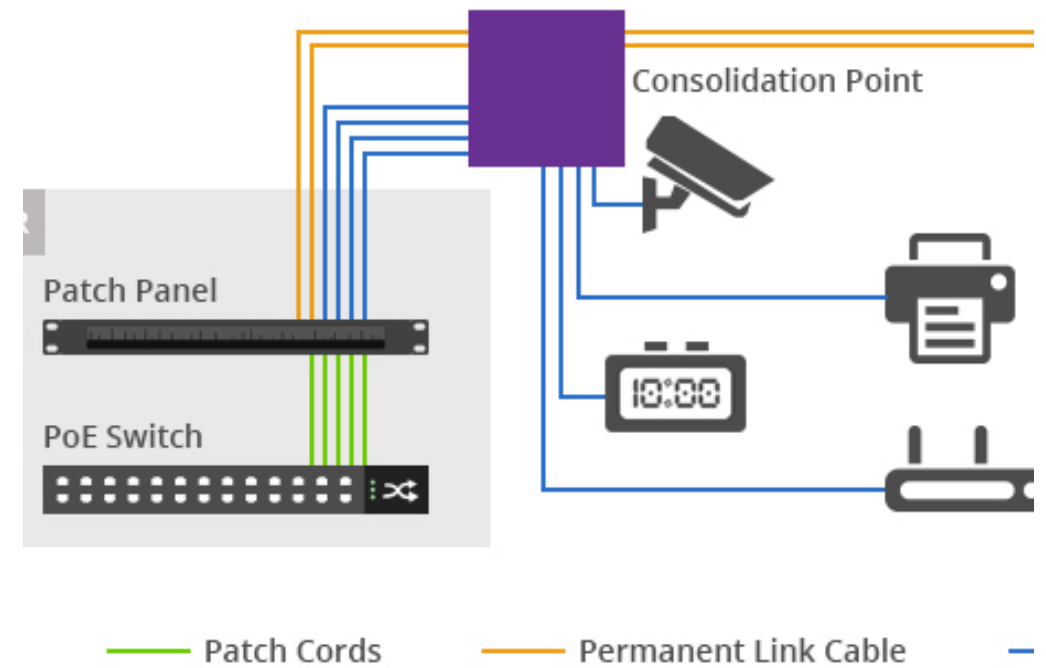
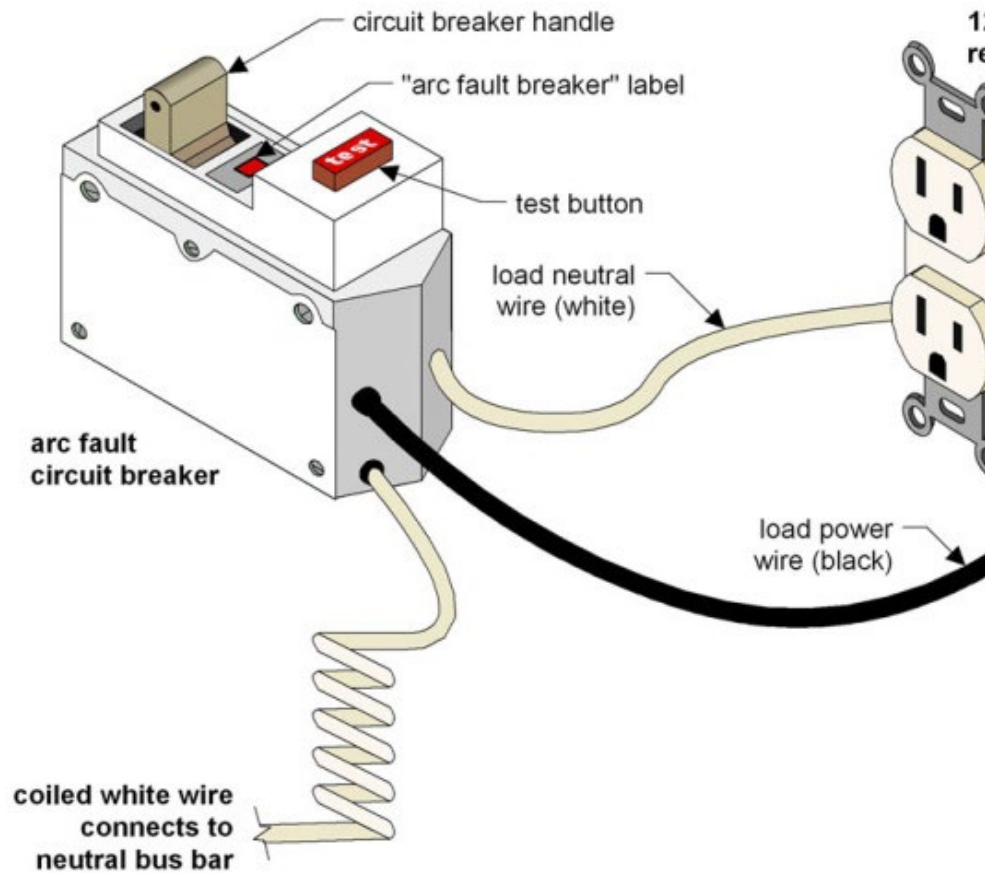
Create parallel structure for Limited Energy

- Make it look like the front of the book.
- (Protection scheme, wire and a load)

Begin Implementation

- Move certain articles for long-term road map implementation

Arc fault circuit interrupter



90.3 –2023 NEC

Introduction
Definitions and General Requirements Chapter 1
Wiring and Protection Chapter 2
Wiring Methods and Materials Chapter 3
Equipment for General Wiring Chapter 4
Special Occupancies Chapter 5
Special Equipment Chapter 6
Special Conditions Chapter 7
Communication Systems Chapter 8
Tables Chapter 9
Informative Annex A through Informative Annex K

(Light Blue) Applies
generally to electrical
installations

(Brown) Supplemental
or Amendatory
requirements

Applicable as referenced

Informative Only

PROPOSED 90.3 –2029 NEC

Introduction
Definitions and General Requirements Chapter 1
Wiring and Protection for Systems 1000 VAC, 1500 VDC and Below Chapter 2
Wiring and Protection for Systems Over 1000 VAC, 1500 VDC Chapter 3
Wiring and Protection for Limited Energy Systems Chapter 4
Wiring Methods and Materials Chapters 5 - 10
Equipment Chapter 11 - 14
Specific Locations and Occupancies Chapters 15 – 17
Energy Sources Chapters 18
Life Safety and Emergency Systems Chapter 19
Tables Chapter 20
Informative Annex A through Informative Annex K

Title		2023 Reference	2026 CMP	2029 CMP
90	Introduction	90	1	1
Chapter 1 Definitions and General Requirements				
100	Definitions	100	1	1
110	Requirements for Electrical Installations	110	1	1
120	Load Calculations	220	2	2
130	Energy Management Systems	750	13	13
140	Temporary Installations	590	3	3
Chapter 2 Wiring and Protection for Systems 1000 VAC, 1500 VDC and Below				
200	General Requirements	300	3	3
205	Conductors	310	6	6
206	Use and Identification of Grounded Conductors	200	5	5
210	Branch Circuits	210	2	2
215	Feeders	215	10	10
225	Outside Branch Circuits and Feeders	225	10	10
230	Services	230	10	10
240	Overcurrent Protection	240	10	10
242	Overvoltage Protection (Part I and II)	242	10	10
250	Grounding and Bonding	250	5	5

3

Chapter 3 Wiring and Protection for Systems Over 1000 VAC, 1500 VDC				
300	General Requirements	305	9	9
305	Conductors and Cables	315	9	9
306	Use and Identification of Grounded Conductors	205	5	9
310	Branch Circuits	235	9	9
315	Feeders	235	9	9
325	Outside Branch Circuits and Feeders	235	9	9
330	Services	235	9	9
342	Overvoltage Protection	242 (Part III)	10	9
350	Grounding and Bonding	250 (Part X)	5	5

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Chapter 4 Wiring and Protection for Limited Energy Systems				
400	Wiring Requirements and Materials		3	3
405	Conductors and Cables (Including Listing and Flammability)	722	3	3
406	Use and Identification of Conductors		3	3
430	Interior Cabling Systems Part I- Class 1 Power-Limited Circuits Part II- Class 2 and Class 3 Part III- Class 4	724, 725, 726	3	3
435	Exterior Cabling Systems (Outside Plant) Part I- Communication Circuits Part II- Antenna Systems Part III- CATV Part IV- Networked-Powered Broadband Communication Systems Part V- Premises-Powered Broadband Communication Systems		16	16
440	Overcurrent Protection Part I- Class 1 Power-Limited Circuits Part II- Class 2 and Class 3 Part III- Class 4	724, 725, 726	3	3
442	Overvoltage Protection		3	3
450	Grounding and Bonding		16	5

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Chapter 5 Enclosures and Wiring Support Structures				
500	Cabinets, Cutout Boxes, and Meter Socket Enclosures	312	8	8
502	Outlet, Device, Pull, and Junction Boxes; Conduit Bodies; Fittings; and Handhole Enclosures	314	8	8
504	Cable Trays	392	8	8
506	Auxiliary Gutters	366	8	8
508	Metal Wireways	376	8	8
510	Nonmetallic Wireways	378	8	8
512	Nonmetallic Extensions	382	6	8
Chapter 6 Wire and Cable				
600	Armored Cable: Type AC	320	6	6
602	Flat Cable Assemblies: Type FC	322	6	6
604	Flat Conductor Cable: Type FCC	324	6	6
606	Integrated Gas Spacer Cable: Type IGS	326	6	6
608	Metal-Clad Cable: Type MC	330	6	6
610	Mineral-Insulated, Metal-Sheathed Cable: Type MI	332	6	6
612	Nonmetallic-Sheathed Cable: Types NM and NMC	334	6	6
614	Optical Fiber Cables	770	16	16
616	Instrumentation Tray Cable: Type ITC	335	6	6
618	Power and Control Tray Cable: Type TC	336	6	6
620	Type P Cable	337	6	6
622	Service-Entrance Cable: Types SE and USE	338	6	6
624	Underground Feeder and Branch-Circuit Cable: Type UF	340	6	6
626	Flexible Cords and Flexible Cables	400	6	6
628	Fixture Wires	402	6	6

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Chapter 7 Circular Raceways (Conduit and Tubing)				
700	Intermediate Metal Conduit: Type IMC	342	8	8
702	Rigid Metal Conduit: Type RMC	344	8	8
704	Flexible Metal Conduit: Type FMC	348	8	8
706	Liquidtight Flexible Metal Conduit: Type LFMC	350	8	8
708	Rigid Polyvinyl Chloride Conduit: Type PVC	352	8	8
710	High Density Polyethylene Conduit: Type HDPE Conduit	353	8	8
712	Nonmetallic Underground Conduit with Conductors: Type NUCC	354	8	8
714	Reinforced Thermosetting Resin Conduit: Type RTRC	355	8	8
716	Liquidtight Flexible Nonmetallic Conduit: Type LFNC	356	8	8
718	Electrical Metallic Tubing: Type EMT	358	8	8
720	Flexible Metallic Tubing: Type FMT	360	8	8
722	Electrical Nonmetallic Tubing: Type ENT	362	8	8
724	Raceways for Limited Energy Systems (Communication Raceways)	800, 805, 810, 820, 830, 840	16	16
Chapter 8 Non-Circular Raceways				
800	Cellular Concrete Floor Raceways	372	8	8
802	Cellular Metal Floor Raceways	374	8	8
804	Strut-Type Channel Raceway	384	8	8
806	Surface Metal Raceways	386	8	8
808	Surface Nonmetallic Raceways	388	8	8
810	Underfloor Raceways	390	8	8

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11

Chapter 9 Power and Lighting Systems				
900	Busways	368	8/9	8
902	Cablebus	370	8	8
904	Insulated Bus Pipe (IBP) and Tubular Covered Conductors (TCC) (New)	369	8	8
906	Flexible Bus System (New)	371	8	8
908	Multioutlet Assembly	380	8	8
910	Low-Voltage Suspended Ceiling Power Distribution Systems	393	18	18
912	Manufactured Wiring Systems	604	7	7
916	Office Furnishings	605	18	18
Chapter 10 Open Wiring				
1000	Concealed Knob-and-Tube Wiring	394	6	6
1002	Messenger-Supported Wiring	396	6	6
1004	Open Wiring on Insulators	398	6	6
Chapter 11 Devices				
1100	Switches	404	9/10	10
1102	Wiring Devices	406	18	18
1104	Switchboards, Switchgear and Panelboards	408	10	10
1106	Industrial Control Panels	409	11	11
1108	Transformers and Transformer Vaults	450	9	9
1110	Phase Converters	455	13	13
1112	Capacitors	460	9/11	11
1114	Resistors and Reactors	470	9/11	11

12

Chapter 12 Utilization Equipment				
1200	Luminaires, Lampholders and Lamps	410	18	18
1202	Low-Voltage Lighting	411	18	18
1204	Electric Signs and Outline Lighting	600	18	18
1206	Motors, Motor Circuits, and Controller	430	11	11
1208	Cranes and Hoists	610	12	12
1210	Elevators, Dumbwaiters, Escalators, Moving Walks, Platform Lifts, and Stairway Chairlifts	620	12	12
1212	Electrically Driven or Controlled Irrigation Machines	675	7	7
1214	Appliances	422	17	17
1216	Fixed Electric Space Heating Equipment	424	17	17
1218	Fixed Resistance and Electrode Industrial Process Heating Equipment	425	17	17
1220	Fixed Outdoor Electric Deicing and Snow-Melting Equipment	426	17	17
1222	Fixed Electric Heating Equipment for Pipelines and Vessels	427	17	17
1224	Air-Conditioning and Refrigeration Equipment	440	11	11
1226	Induction and Dielectric Heating Equipment	665	12	12
1228	Electric Welders	630	12	12
1230	Pipe Organs	650	12	12
1232	Information Technology Equipment	645	12	12
1234	Sensitive Electronic Equipment	647	12	12
1236	X-Ray Equipment	660	12	12

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14

Chapter 13 Systems (Equipment)				
1300	Electric Vehicle Power Transfer System	625	12	12
1302	Electrified Truck Parking Spaces	626	12	12
1304	Audio Signal Processing, Amplification, and Reproduction Equipment	640	12	12
1306	Modular Data Centers	646	12	12
1308	Electrolytic Cells	668	12	12
1310	Electroplating	669	12	12
1312	Industrial Machinery	670	12	12
1314	Integrated Electrical Systems	685	12	12
Chapter 14 Equipment Over 1000 VAC, 1500 VDC				
1400	General	495 (Part I & II)	9	9
1402	Switchgear and Industrial Control Assemblies	495 (Part III)	9	9
1404	Mobile and Portable Equipment	495 (Part IV)	9	9
1406	Boilers	495 (Part V)	9	9
1408	Motors, Motor Circuits, and Controllers	430 (Part XI)	11	9
1410	Capacitors	460 (Part III)	11	9
1412	Resistors and Reactors	470 (Part III)	11	9

15

Chapter 15 Hazardous Locations				
1500	Hazardous (Classified) Locations, Classes I, II, and III, Divisions 1 and 2	500	14	14
1501	Class I Locations	501	14	14
1502	Class II Locations	502	14	14
1503	Class III Locations	503	14	14
1504	Intrinsically Safe Systems	504	14	14
1505	Zone 0, 1, and 2 Locations	505	14	14
1506	Zone 20, 21, and 22 Locations for Combustible Dusts or Ignitable Fibers/Flyings	506	14	14
1511	Commercial Garages, Repair and Storage	511	14	14
1512	Cannabis Oil Equipment and Cannabis Oil Systems Using Flammable or Combustible Materials	512	14	14
1513	Aircraft Hangars	513	14	14
1514	Motor Fuel Dispensing Facilities	514	14	14
1515	Bulk Storage Plants	515	14	14
1516	Spray Application, Dipping, Coating, and Printing Processes Using Flammable or Combustible Materials	516	14	14

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Chapter 16 Occupancies				
1600	Health Care Facilities	517	15	15
1602	Assembly Occupancies	518	15	15
1604	Theaters, Audience Areas of Motion Picture and Television Studios, Performance Areas, and Similar Locations	520	15	15
1606	Control Systems for Permanent Amusement Attractions	522	15	15
1608	Carnivals, Circuses, Fairs, and Similar Events	525	15	15
1610	Motion Picture and Television Studios and Similar Locations	530	15	15
1612	Motion Picture Projection Rooms	540	15	15
1614	Manufactured Buildings and Relocatable Structures	545	7	7
1616	Agricultural Buildings	547	7	7
1618	Mobile Homes, Manufactured Homes, and Mobile Home Parks	550	7	7
1620	Recreational Vehicles and Recreational Vehicle Parks	551	7	7
1622	Park Trailers	552	7	7

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18,
19,

Chapter 17 Installations Associated with Bodies of Water				
1700	Swimming Pools, Fountains, and Similar Installations	680	17	17
1702	Natural and Artificially Made Bodies of Water	682	7	7
1704	Marinas, Boatyards, Floating Buildings, and Commercial and Noncommercial Docking Facilities	555	7	7
Chapter 18 Power Production and Energy Storage Systems				
1800	Interconnected Systems	705	13	13
1802	Generators	445	13	13
1804	Stationary Standby Batteries	480	13	13
1806	Solar Photovoltaic (PV) Systems	690	4	4
1808	Large-Scale Photovoltaic (PV) Electric Supply Stations	691	4	4
1810	Fuel Cell Systems	692	4	4
1812	Wind Electric Systems	694	4	4
1814	Energy Storage Systems	706	13	13
1816	Stand Alone Systems	710	4	4
1818	Optional Standby Systems	702	13	13
Chapter 19 Life Safety and Emergency Systems				
1900	Emergency Systems	700	13	13
1902	Legally Required Standby Systems	701	13	13
1904	Fire Pumps	695	13	13
1906	Fire Alarm Systems	760	3	3
1908	Circuit Integrity Cables and Electrical Protective Systems (Fire- Resistive Cable Systems)	728	3	3
1910	Critical Operations Power Systems (COPS)	708	13	13

Introduction
Definitions and General Requirements Chapter 1
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2026 NEC STRUCTURE

2026 NEC		2023 NEC Reference
Chapter 1 Definitions and General Requirements		
100	Definitions	100
110	Requirements for Electrical Installations	110
120	Load Calculations	220
130	Energy Management Systems	750
140	Temporary Installations	590

Takeaways

- Feedback to Jeff Sargent
- Proposed structure is fluid and will continue to evolve as we receive input
- Intent to print proposed structure in Annex for 2026 NEC edition.
- Structure is not intended to impact technical, only the organization and correlation of the technical content
- Intent is to move articles once



Public Comment No. 1656-NFPA 70-2024 [Global Input]

This Global Public Comment is for CMP-16 to review the use of the terms “overcurrent”, “overcurrent protective devices” and “overcurrent protection”.

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
CMP-16_OCPD_TG-4_CMP-10.pdf	CMP-16_OCPD_TG-4 CMP-10	
All_CMP_Comments_Files_from_CMP-10_TG-4.pdf	All CMP Comments Files from CMP-10 TG-4	

Statement of Problem and Substantiation for Public Comment

This Public Comment is submitted on behalf of a Task Group formed under the purview of Code Making Panel 10 consisting of Randy Dollar, Thomas Domitrovich, Jason Doty, Diane Lynch, Alan Manche, Nathan Philips, David Williams, and Danish Zia. This Public Comment, along with other Public Comments, was developed with the goal of improving usability and accuracy on requirements associated with overcurrent protective devices.

The Task Group reviewed all instances of the term “overcurrent”, “overcurrent protective devices” and “overcurrent protection” and provided recommended changes to align proposed and current defined terms.

For consistency, the task group chose to use the full defined term “overcurrent protective device” in the title of all sections or subdivisions and the acronym “OCPD” or “OCPDs” when used in the body of each code section.

The term overcurrent protection applies to the application of an overcurrent protective device OCPD, to protect conductors and equipment.

Two documents are attached: One for your specific code panel and the other is a comprehensive document illustrating all of the code-wide comments made by this task group.

The current term “Overcurrent Protective Device, Branch-Circuit” is being deleted and the new defined term “Overcurrent Protective Device (OCPD)” will be used instead.

The following are the proposed terms being submitted to CMP-10.

PC 1639 Overcurrent Protection.
Automatic interruption of an overcurrent

PC 1636 Overcurrent Protective Device (OCPD).
A device capable of providing protection over the full range of overcurrent between its rated current and its interrupting rating. (CMP-10)

Informational Note 1: Prior editions of NFPA 70 included the defined term “branch circuit overcurrent protective device” for overcurrent protective devices suitable for providing protection for service, feeder and branch circuits. This term has been revised to a generalized term of “overcurrent protective device” (OCPD). The specific requirements using this term may include modifiers (such as branch OCPD, feeder OCPD, service OCPD) to specify location or application of the OCPD, or to specify variations (such as supplementary OCPD).

Informational Note 2: See 240.7 for a list of overcurrent protective devices suitable for providing protection for service, feeder, branch circuits and equipment.

Related Item

- Global PI 4050 • PC 1636
- PC 1639

Submitter Information Verification

Submitter Full Name: David Williams
Organization: Delta Charter Township
Street Address:
City:
State:
Zip:
Submittal Date: Sun Aug 25 21:56:04 EDT 2024
Committee: NEC-P16

CMP-10 TG-4 Review of Overcurrent Language for the Articles under the purview of CMP-16			
CMP	NEC Section (using First Draft of 2026 NEC)	Current Language	"New" Language
16	Article 830		
	830.15. (X4)	Overcurrent Protection	Fine as is

CMP-10 TG-4 Review of Overcurrent Language for the Articles under the purview of CMP-1			
CMP	NEC Section (using First Draft of 2026 NEC)	Current Language	"New" Language
1	Article 110		
	110.10.	overcurrent protective devices	OCPDs
	110.10.	circuit protective devices	Fine as is
	110.26(C)(2)	overcurrent devices	OCPD
	110.26(C)(3)	overcurrent devices	OCPD
	110.52	Overcurrent protection	Fine as is
	110.52	Overcurrent	Motor-operated Equipment shall be provided with overcurrent protection
	110.52	Overcurrent	Transformers shall be provided with overcurrent protection

CMP-10 TG-4 Review of Overcurrent Language for the Articles under the purview of CMP-2			
CMP	NEC Section (using First Draft of 2026 NEC)	Current Language	"New" Language
2	Article 100		
	Branch Circuit (Branch-Circuit)	overcurrent device	overcurrent protective device (OCPD)
2	Article 120		
	120.5(E)	overcurrent device	OCPD
	120.7(B)	overcurrent protective device	OCPD
	120.87(3)	Overcurrent protection	Fine as is
2	Article 210		
	210.4(A)	branch-circuit overcurrent protective device, OCPD	Fine as is
	210.4(C)	branch-circuit OCPD	Fine as is
	210.11(B)	branch-circuit OCPD	Fine as is
	210.12(A)	branch-circuit OCPD (X-8)	Fine as is
	210.18	~~overcurrent device~~ OCPD (X-2)	Fine as is
	210.19(A)(1)EX	branch-circuit OCPD	Fine as is
	210.20.	Overcurrent protection	Fine as is
	210.20.	branch-circuit OCPD	Fine as is
	210.20(A)	branch-circuit OCPD	Fine as is
	210.20(C)	branch-circuit OCPD	Fine as is
	T-210.24	Overcurrent protection	Fine as is
2	Annex D		
	D3. (X2)	Overcurrent Protection	CMP-2 To review references to OCPD and the revised terms.
	D3a. (X8)	Branch-Circuit OCPD	CMP-2 to Review
	D3a.	Overcurrent Protection	CMP-2 to Review
	D3a. (X2)	Branch-Circuit OCPD	CMP-2 to Review

CMP-10 TG-4 Review of Overcurrent Language for the Articles under the purview of CMP-3			
CMP	NEC Section (using First Draft of 2026 NEC)	Current Language	"New" Language
3	Article 100		
	Fault Managed Power.	Overcurrent protection	Fine as is
	Fire Alarm Circuit	Overcurrent device	overcurrent protective device (OCPD)
3	Article 300		
	300.5-T	Overcurrent Protection	Fine as is
	300.17(I)	Overcurrent Device	OCPD
	300.28(C)(3). (X5)	Overcurrent Protection	Fine as is
3	Article 590		
	590.6(A)	Overcurrent Protection	Fine as is
	590.6(B)	be protected from Overcurrent	shall be provided with overcurrent protection
	590.9. Title	Overcurrent protective device	Fine as is
	590.9(A)	Overcurrent protective devices	OCPDs
	590.9(B) Title	Service Overcurrent protective devices	Fine as is
	590.9(B)	Overcurrent protective devices	OCPDs
3	Article 721		
	721.50(A)	Overcurrent	Fine as is
3	Article 722		
	722.1	Overcurrent Protection	Fine as is
3	Article 724	Class 1	
	724.40(B). (X3)	Overcurrent Devices	OCPDs
	724.40(B). (X2)	Overcurrent Device	OCPD
	724.40(B). (X2)	Overcurrent Protection	Fine as is
	724.43. (X4)	Overcurrent Protection	Fine as is
	724.45	Overcurrent Device	OCPD
	724.45. (X3)	Overcurrent Devices	OCPDs
	724.45(A)	Overcurrent Devices	OCPDs
	724.45(B)	Overcurrent Protection	Fine as is
	724.45(B)	Overcurrent Device	OCPD
	724.45(C). (X2)	Overcurrent protective devices	OCPDs
	724.45(D)	Overcurrent Protection	Fine as is
	724.45(E)	Overcurrent Protection	Fine as is
3	Article 725		
	725.1 In	Overcurrent Protection	Fine as is

	725.127	Overcurrent Device	OCPD
3	Article 760		
	760.41(B)	Overcurrent protective device	OCPD
	760.41(B)	Overcurrent protection devices	OCPDs
	760.43. (X3)	Overcurrent Protection	Fine as is
	760.45. Title	Overcurrent device	Overcurrent protective device
	760.45	Overcurrent protection devices	OCPDs
	760.45 Ex 1 & 2	Overcurrent Protection	Fine as is
	760.121(B)	Branch-Circuit Overcurrent protective device	OCPD
	760.121(B)	Overcurrent protection devices	OCPDs
	760.127	Overcurrent Protection	Fine as is
	760.127	Overcurrent Device	OCPD
3	Article 794		
	794.1	Overcurrent Protection	Fine as is

CMP-10 TG-4 Review of Overcurrent Language for the Articles under the purview of CMP-4			
CMP	NEC Section (using First Draft of 2026 NEC)	Current Language	"New" Language
4	Article 690		
	690.2	PV dc Overcurrent protective devices	PV dc OCPDs
	690.8	Overcurrent Device	OCPD and OCPDs
	690.9. Title	Overcurrent Protection	Fine as is
	690.9(A). (X2)	be protected from Overcurrent	shall be provided with overcurrent protection
	690.9(A)(1). Title	Overcurrent Protection	Fine as is
	690.9(A)(1).	Overcurrent protective devices	OCPDs
	690.9(A)(2). Title	Overcurrent Protection	Fine as is
	690.9(A) (2)	be protected from Overcurrent	shall be provided with overcurrent protection
	690.9(A) (2) In	Overcurrent protection	Fine as is
	690.9(A) (2) In	Overcurrent device	OCPD
	690.9(A)(3)	Overcurrent	Fine as is
	690.9(B)	shall be permitted to prevent overcurrent of conductors	Fine as is
	690.9(B)	Overcurrent device	OCPD and OCPDs
	690.9(C)	Overcurrent protective device and Devices	OCPD and OCPDs
	690.31(E)	Overcurrent protective devices	OCPDs
	690.45	Overcurrent protective device	OCPD
	690.45	Overcurrent Device	OCPD
4	Article 692		
	692.8. Title	Overcurrent Device	Overcurrent Protective Devices
	692.8	Overcurrent protective device	OCPDs
	692.9	Overcurrent Protection	Fine as is
	692.9	Overcurrent Devices	OCPDs
4	Article 694		
	694.7(D)	Overcurrent Device	OCPD
	694.12(B). Title	Overcurrent Device	Overcurrent Protective Device
	694.12(B)(2). Title	Overcurrent Devices	Overcurrent Protective Devices
	694.12(B)(2)	Overcurrent Devices	OCPDs
	694.15	Overcurrent Protection	Fine as is
	694.15	Overcurrent Devices	OCPDs
	694.15 In	Overcurrent Protection	Fine as is
	694.15(B)(1)	Overcurrent Protection	Fine as is
	694.15(C)	Overcurrent Devices	OCPDs

4	Article 705		
	705.11(C). Title	Overcurrent Protection	Fine as is
	705.11(C)	be protected from overcurrent	have overcurrent protection
	705.11(C)(1). (1) (2) (3)	Overcurrent protective device	OCPD
	705.11(C)(2)	Overcurrent protection devices	OCPDs
	705.12(A)(2). (X4)	Overcurrent Device	OCPD
	705.12(A)(3)	Overcurrent Devices	OCPDs
	705.12(B)	(Multiple) Overcurrent Device and (s)	OCPD. And OCPDs
	705.12(B)	(Warning labels) Overcurrent Device and (s)	Overcurrent Protective Device and Devices
	705.28(B)Ex.1	Overcurrent Devices	OCPDs
	705.28(B)Ex.3	Overcurrent Device	OCPD
	705.30. Title	Overcurrent Protection	Fine as is
	705.30(A). (X2)	Overcurrent Protection	Fine as is
	705.30(A)	Overcurrent Devices	OCPDs
	705.30.(C)	Overcurrent Devices	OCPDs
	705.30.(F)	Overcurrent Protection	Fine as is
	705.70.	Overcurrent Devices	OCPDs
	705.70.	Overcurrent Protection	Fine as is

CMP-10 TG-4 Review of Overcurrent Language for the Articles under the purview of CMP-5			
CMP	NEC Section (using First Draft of 2026 NEC)	Current Language	"New" Language
5	Article 100		
	Ground-Fault Current Path, Effective	overcurrent protective device	overcurrent protective device (OCPD)
	Ground-Fault Protection of Equipment	overcurrent device	overcurrent protective device (OCPD)
5	Article 200		
	200.10(E)	overcurrent device	OCPD
5	Article 250		
	250.4(A)(5). Title	Overcurrent protective Device	Fine as is
	250.4(A)(5)	Overcurrent Device	OCPD
	250.4(B)(4)	Overcurrent Devices	OCPDs
	250.30(A)(1)	Overcurrent Device	OCPD
	250.30(A)(1)	Overcurrent Devices	OCPDs
	250.32(B)(2). (X4)	Overcurrent Protection	Fine as is
	250.32(C)(2). (X4)	Overcurrent Protection	Fine as is
	250.35(B)	Overcurrent Protection	Fine as is
	250.36(D)	Overcurrent Device	Fine as is
	250.36(E)(1)	Overcurrent Device	OCPD
	250.102(B)(2)	Overcurrent Protection	Fine as is
	250.102(D). (X3)	Overcurrent Devices	OCPDs
	250.118(A)(5)	Overcurrent Devices	OCPDs
	250.118(A)(6)	Overcurrent Devices	OCPDs
	250.118(A)(7)	Overcurrent Devices	OCPDs
	250.122(C)	Overcurrent Device	OCPD
	250.122(F)(1). (X3)	Overcurrent protective device	OCPD
	250.122(G)	Overcurrent Device	OCPD
	250.142. (X2)	Overcurrent Device	OCPD
	250.148	Overcurrent Device	OCPD
	250.164	Overcurrent Device	OCPD
	250.166	Overcurrent Protection	Fine as is
	250.169	Overcurrent Devices	OCPD
5	Article 270		
	270.4(A)(5)	Overcurrent Device	OCPD
	270.4(B)(4)	Overcurrent Devices	OCPDs
	270.30(A)(1)	Overcurrent Devices	OCPDs

	270.32(B)(2). (X4)	Overcurrent Protection	Fine as is
	270.32(C)(2). (X4)	Overcurrent Protection	Fine as is
	270.35(B)	Overcurrent Protection	Fine as is
	270.35(B)	Overcurrent protective device	OCPD
	270.36(D)	Overcurrent Device	OCPD
	270.36(E)	Overcurrent Devices	OCPDs
	270.102(C)(2)	Overcurrent Protection	Fine as is
	270.102(D)	Overcurrent Device	OCPDs
	270.114(C)(3)	Overcurrent setting	CMP to review Language based on new terms
	270.118	Overcurrent Devices	OCPDs
	270.142	Overcurrent Devices	OCPDs
	270.148(B)	Overcurrent Device	OCPD
	270.164(B)	Overcurrent Device	OCPD
	270.166(A)	Overcurrent Protection	Fine as is
	270.169	Overcurrent Devices	OCPDs

CMP-10 TG-4 Review of Overcurrent Language for the Articles under the purview of CMP-6			
CMP	NEC Section (using First Draft of 2026 NEC)	Current Language	"New" Language
6	Article 310		
	310.10(G).	Overcurrent Protection	Fine as is
	310.15(A)	Overcurrent Protection	Fine as is
	310.16-T	Overcurrent Protection	Fine as is
	310.17-T	Overcurrent Protection	Fine as is
6	Article 335		
	335.90.	Overcurrent Protection	Fine as is
6	Article 382		
	382.4	Supplementary Overcurrent Protection	Supplementary Overcurrent Protective Device
6	Article 400		
	400.16	Overcurrent Protection	Fine as is
	400.16	protected against Overcurrent	shall be provided with overcurrent protection
6	Article 402		
	402.14 (X2)	Overcurrent Protection	Fine as is

CMP-10 TG-4 Review of Overcurrent Language for the Articles under the purview of CMP-7			
CMP	NEC Section (using First Draft of 2026 NEC)	Current Language	"New" Language
7	Article 100		
	Service Equipment, Mobile Home	overcurrent protective devices	overcurrent protective devices (OCPDs)
7	Article 545		
	545.24	Branch-circuit overcurrent protective device	Branch-circuit OCPD
	545.24(B) Title	Branch Circuit Overcurrent Protection Device	Overcurrent protective devices
	545.24(B)	a Branch Circuit Overcurrent Protective Device	an OCPD
7	Article 547		
	547.41(A)(6). (X2)	Overcurrent Protection	Fine as is
	547.41(B)	Overcurrent Protection	Fine as is
	547.42	Overcurrent Protection	Fine as is
7	Article 550		
	550.11(B). Title	Branch-Circuit protective equipment	Branch-Circuit Overcurrent Protection
	550.11(B)	Overcurrent Protection	Fine as is
	550.11(B)	Branch-Circuit Overcurrent Devices	OCPDs
	550.11(B)	Overcurrent protection size	OCPD rating
	550.15(E)	Branch-circuit overcurrent protective device	OCPD
	550.32	Overcurrent Protection	Fine as is
7	Article 551		
	551.31(A)	Overcurrent protective device	OCPD
	551.31(C)	Overcurrent protective device	OCPD
	551.31(D)	Overcurrent Protection	Fine as is
	551.42	Overcurrent Protection	Fine as is
	551.43. Title	Branch-Circuit protection	Branch-Circuit Overcurrent Protection
	551.43(A)	Branch Circuit Overcurrent Devices	Branch-Circuit OCPDs
	551.43(A)(3)	Overcurrent Protection	Fine as is
	551.45(C)	Overcurrent protective device	OCPD
	551.47(Q)	Overcurrent protective device	OCPD
	551.47(R)	Overcurrent Protection	Fine as is
	551.47(S)	Overcurrent Protection	Fine as is
	551.74	Overcurrent Protection	Fine as is
7	Article 552		
	552.10.(E) Title	Overcurrent Protection	Fine as is
	552.10(E)(1)	Overcurrent protective devices	OCPDs

	T-552.10(E)(1)	Overcurrent Protection	Fine as is
	552.10(E)(4). (X2)	Overcurrent protective device	OCPD
	552.42(A)	Branch Circuit Overcurrent Devices	OCPDs
	552.42(A)	Overcurrent Protection	Fine as is
	552.45(C)	Overcurrent protective device	OCPD
	552.46(A) IN	Overcurrent Protection	Fine as is
	552.47(P)	Overcurrent protective device	OCPD
	552.47(Q)	Overcurrent Protection	Fine as is
7	Article 555		
	555.53	Overcurrent protective device	OCPD
7	Article 675		
	675.6	Branch Circuit Overcurrent Protective Device	OCPD
	675.7	Branch Circuit Overcurrent Protective Devices	OCPDs
	675.8	Overcurrent Protection	Fine as is
7	Article 682		
	682.15(B)	Feeder Overcurrent protective device	Feeder OCPD

CMP-10 TG-4 Review of Overcurrent Language for the Articles under the purview of CMP-8			
CMP	NEC Section (using First Draft of 2026 NEC)	Current Language	"New" Language
8	Article 312		
	312.11. Title	Overcurrent Devices	Overcurrent Protective Device
	312.11	Overcurrent Devices	OCPDs
	312.11(A). (X3)	Overcurrent Device	OCPDs
	312.11(B)	Overcurrent Devices	OCPDs
	312.11(B)(1)	Overcurrent Device	OCPD
8	Article 366		
	366.12	Overcurrent Devices	OCPDs
	366.56(D)	Overcurrent Protection	Fine as is
8	Article 368		
	368.17(A). Title	Overcurrent Protection	Fine as is
	368.17	Overcurrent Protection	Fine as is
	368.17(A)	Protected against Overcurrent	shall be provided with overcurrent protection
	368.17(B). (X2)	Overcurrent Protection	Fine as is
	368.17(B)	Overcurrent Device	OCPD
	368.17(C)	Overcurrent Devices	OCPDs
	368.17(C)Ex.2	Branch-Circuit Overcurrent Device	Branch-Circuit OCPD
	368.17(C)Ex.3	Overcurrent Device	OCPD
	368.17(C)Ex.4	Branch-Circuit overcurrent plug-in device	CMP to review Language based on new terms
	368.17(D). Title	Overcurrent Protection	Fine as is
	368.17(D)	Protected against Overcurrent	shall be provided with overcurrent protection
8	Article 370		
	370.23. Title	Overcurrent Protection	Fine as is
	370.23	Protected against Overcurrent	shall be provided with overcurrent protection
8	Article 371		
	371.17. Title	Overcurrent Protection	Fine as is
	371.17	Overcurrent Protection	Fine as is
	371.17 (A)-(C). Titles	Overcurrent Protection	Fine as is
	371.17(A)-(C)	Protected against Overcurrent	shall be provided with overcurrent protection
	371.17(D)	Protected against Overcurrent	shall be provided with overcurrent protection
	371.17(F)	Overcurrent	shall be provided with overcurrent protection
	371.17(G)	Overcurrent Protection	
	371.17(G)Ex	Overcurrent Protection	Fine as is
	371.17(G)Ex	Overcurrent Device	OCPD

CMP-10 TG-4 Review of Overcurrent Language for the Articles under the purview of CMP-9			
CMP	NEC Section (using First Draft of 2026 NEC)	Current Language	"New" Language
9	Article 265		
	265.18	Overcurrent Device	OCPD
	265.20.	Overcurrent Protection	Fine as is
	265.20.	Overcurrent protective devices	OCPDs
	265.20.	Overcurrent Devices	OCPDs
9	Article 266		
	266.1	Overcurrent Protection	Fine as is
	266.5	Overcurrent Protection	Fine as is
	266.5	Protected against overcurrent	shall be provided with overcurrent protection
	266.5	Overcurrent Device	OCPD
9	Article 268		
	268.2. (X2)	Overcurrent Protection	Fine as is
	268.70(F)	Overcurrent Devices	OCPDs
	268.82. (X4)	Overcurrent Protection	Fine as is
	Art. 268 Part VII	Overcurrent Protection	Fine as is
	268.90.	Overcurrent Device	OCPD
	268.90.	Overcurrent Devices	OCPDs
	268.91	Overcurrent Device	OCPD
	268.92	Overcurrent Devices	OCPDs
	268.93	Overcurrent Device	OCPD
9	Article 450		
	450.5 (previously 450.3). (X3)	overcurrent protection	Fine As Is
	450.5(A) and Table. (X3)	overcurrent protection	Fine As Is
	Table 450.5(A) Footnote 2. (X4)	overcurrent device	OCPD
	450.5(B)	overcurrent protection	Fine As Is
	Table 450.5(B) and Table (X2)	overcurrent protection	OCPD
	Table 450.5(B) Footnote 2. (X3)	overcurrent device	OCPD
	Table 450.5(B) Footnote 3	overcurrent protection	OCPD
	450.6(A) Title	overcurrent protection	Fine As Is
	450.6(A) (X3)	overcurrent device	OCPD
	450.6(A) Exception	overcurrent device	OCPD
	450.7(A)(1). (X2)	overcurrent protection	OCPD
	450.7(A)(2). Title	overcurrent protection	Fine As Is

	450.7(A)(2)	overcurrent sensing device	Fine As Is
		overcurrent protection	OCPD
		overcurrent device	OCPD
		branch or feeder protective devices	branch or feeder OCPDs
	450.7(A)(3)	overcurrent device	OCPD
	450.7(B)(2)	overcurrent protection	Fine As Is
	450.7(B)(2)(a)	overcurrent protective device	OCPD
	450.7(B)(2)(b)	overcurrent protection	OCPD
	450.7(B)(2)(b)	overcurrents	Fine As Is
	450.7(B)(2)(b) Exception	overcurrent device	OCPD
	450.8(A). (X2)	overcurrent protection	Fine As Is
	450.8(A)(1)	overcurrent protection	Fine As Is
	450.8(A)(2)	overcurrent protection	Fine As Is
	450.8(A)(3)	protective device	OCPD
	450.8(A)(4)(a)	protective device	OCPD
	450.8(B). Title	Overcurrent Protection	Fine As Is
	450.8(B)	overcurrent device	OCPD
	450.9	overcurrent protection	Fine As Is
	450.9	protective devices (2x)	OCPDs
	450.23(A)(1)(d) Informational Note	overcurrent protection	OCPD
	450.23(B)(1) Informational Note 2	overcurrent protection	OCPD
9	Article 495		
	495.62. Title	Overcurrent Protection	Fine As Is
	495.72	Overcurrent Relay	Fine As Is

CMP-10 TG-4 Review of Overcurrent Language for the Articles under the purview of CMP-10			
CMP	NEC Section (using First Draft of 2026 NEC)	Current Language	"New" Language
10	Article 100		
	Circuit Breaker	Overcurrent	Fine as is
	Coordination, Selective. (Selective Coordination)	Overcurrent condition	Fine as is
	Coordination, Selective. (Selective Coordination)	overcurrent protective devices	overcurrent protective devices (OCPDs)
	Coordination, Selective. (Selective Coordination)	overcurrents	Fine as is
	Coordination, Selective. (Selective Coordination)	overcurrent protective device	overcurrent protective device (OCPD)
	Current Limiting (as applied to overcurrent protection devices)	overcurrent protection devices	overcurrent protective devices (OCPDs)
	Feeder	final branch-circuit overcurrent protective device	overcurrent protective device (OCPD)
	Fuse	overcurrent protective device	overcurrent protective device (OCPD)
	Fuse	overcurrent	Fine as is
	Fuse, Electronically Actuated	overcurrent protective device	overcurrent protective device (OCPD)
	Fuse, Electronically Actuated	overcurrent	Fine as is
	Overcurrent	Overcurrent protection	Fine as is
	Overcurrent Protective Device, Branch-Circuit	Revise with the term Overcurrent Protective Device. (OCPD)	
	Overcurrent Protective Device, Supplementary (need to Revise term with acronym)	overcurrent protective device	overcurrent protective device (OCPD)
	Panelboard	overcurrent devices	overcurrent protective devices (OCPDs)
	Surge-Protective Device (SPD). (X2)	overcurrent device. (X2)	overcurrent protective device (OCPD)
	Switchboard	overcurrent	overcurrent protective devices (OCPDs)
	Tap Conductor	Overcurrent protection	Fine as is
10	Article 215		
	215.1	Overcurrent protection	Fine as is
	215.4(A)(1)Ex.1	overcurrent devices protecting the feeders	feeder OCPD
	215.4(A)(1)Ex.3	overcurrent device	OCPD
	215.5 Title	Overcurrent protection	Fine as is
	215.5	Feeders shall be protected against overcurrent	Feeders shall be provided with overcurrent protection in accordance with Article 240, Parts I
	215.5	overcurrent device	OCPD
	215.5Ex	overcurrent device protecting the feeders	feeder OCPDs
	215.5Ex	overcurrent device	OCPD

	215.18(B)	branch circuit overcurrent devices	OCPDs
10	Article 225		
	225.40. Title	Overcurrent protective devices	Fine as is
	225.40.	feeder overcurrent device (x2)	feeder OCPD
	225.40.	branch circuit overcurrent devices	Branch circuit OCPDs
	225.42(B)	branch circuit overcurrent devices	OCPDs
10	Article 230		
	230.7 Ex.2	Overcurrent protection	Fine as is
	230.42(A)(1)	overcurrent device (X3)	OCPD
	230.82(6)	Overcurrent protection	Fine as is
	230.82(7)	Overcurrent protection	Fine as is
	230.82(8)	Overcurrent protection	Fine as is
	230.82(9)	Overcurrent protection	Fine as is
	230.82(10)	Overcurrent protection	Fine as is
	230 Part VII	Overcurrent protection	Fine as is
	230.90(A)	overcurrent device	OCPD
	230.90(A)Ex.3	overcurrent device	OCPD
	230.90(B)	overcurrent device	OCPD
	230.91	overcurrent device (X2)	OCPD
	230.92	overcurrent device (X4)	OCPDs and OCPD
	230.93	overcurrent device	OCPD
	230.94	overcurrent device (X3)	OCPD
	230.94	Overcurrent protection (X2)	Fine as is
	230.95(A)	overcurrent device	OCPD
	230.95(B)	overcurrent device	OCPD
10	Article 240		
	240	Overcurrent Protection	Fine as is
	240.1 (X3)	Overcurrent protection	Fine as is
	240.2	branch-circuit Overcurrent protective devices	~~branch-circuit~~ Overcurrent protective devices
	240.4. Title	Protection of Conductors	Overcurrent Protection of Conductors
	240.4	Protected against overcurrent	shall be provided with overcurrent protection in accordance with
	240.4(B). Title	Overcurrent devices	Overcurrent protective Devices
	240.4(B)	Overcurrent device	OCPD
	240.4(B)	Overcurrent protective device	OCPD

	240.4(C). Title	Overcurrent devices	Overcurrent protective Devices
	240.4(C). (X2)	Overcurrent device.	OCPD
	240.4(D)	Overcurrent Protection	Fine as is
	240.4(D)(1)	Overcurrent protection	Fine as is
	240.4(D)(1)(2)		(a) OCPDs in accordance with 240.7 shall be marked for use with 18 AWG copper conductor (b) Delete (c) change to (b)
	240.4(D)(2)	Overcurrent protection	Fine as is
	240.4(D)(2)(2)		(a) OCPDs in accordance with 240.7 shall be marked for use with 16 AWG copper conductor (b) Delete (c) change to (b)
	240.4(D)(3)	Overcurrent protection	Fine as is
	240.4(D)(3)(2)		~~(a) Fuses and circuit breakers in accordance with 240.7 marked for use with 14 AWG copper-clad aluminum conductor~~ (b) Delete
	240.4(D)(3)(2)		OCPDs in accordance with 240.7 shall be marked for use with 14 AWG copper-clad aluminum conductor
	240.4(E)	Protected against overcurrent	shall be permitted to have overcurrent protection in accordance with the following
	240.4(F)	Overcurrent protection	Fine as is
	240.4(F)	Overcurrent protective device	OCPD
	240.4(G). (X2)	Overcurrent protection	Fine as is
	240.4(H)	Protected against overcurrent	shall be provided with overcurrent protection in accordance with
	240.5	Protected against overcurrent	shall be provided with overcurrent protection in accordance with
	240.5(A)	Overcurrent device	OCPD
	240.5(A)	Protected against overcurrent	Fixture wires shall be provided with overcurrent protection in accordance with
	240.5(A)	Supplementary overcurrent protection	Fine as is
	240.5(B) Title	Branch-circuit overcurrent device.	Branch-Circuit Overcurrent protective Devices

	240.9	Protection of conductors against overcurrent	Fine as is
	240.10. Title	Supplementary Overcurrent protection	Fine as is
	240.10.	Supplementary overcurrent protection	Fine as is
	240.10.	Branch-Circuit overcurrent devices	OCPDs
	240.10.	Supplementary overcurrent devices	Supplementary OCPDs
	240.11. (X2)	Feeder overcurrent protective devices.	Feeder OCPDs
	240.11. (X2)	Service overcurrent protective device.	Service OCPD
	240.15(A). Title	Overcurrent device	Overcurrent protective device required
	240.15(A)	Overcurrent device	OCPD
	240.15(A)	Overcurrent trip. Overcurrent relay	Fine as is
	240.15(B) Title	Overcurrent device	Circuit breaker as Overcurrent protective device
	240.16	Branch circuit overcurrent protective devices	OCPDs
	240.21	Overcurrent Protection	Fine as is
	240.21	overcurrent protective device	OCPD
	240.21 (A)	Overcurrent Protection	Fine as is
	240.21 (B)	Overcurrent Protection	Fine as is
	240.21 (B) (1) (1) (b)	Overcurrent device(s)	OCPDs
	240.21 (B) (1) (1) (b)	overcurrent protective device	OCPD
	240.21 (B)(1) (1) (4)	Overcurrent device	OCPD
	240.21 (B) (1)(1) (4) In	Overcurrent Protection	Fine as is
	240.21 (B) (2) (1)	Overcurrent device	OCPD
	240.21 (B) (2) (2)	Overcurrent devices	OCPDs
	240.21 (B) (3) (1)	Overcurrent device	OCPD
	240.21 (B) (3) (2)	Overcurrent device	OCPD
	240.21 (B) (4) (3)	Overcurrent device	OCPD
	240.21 (B) (4) (4)	Overcurrent device	OCPD
	240.21 (B) (4) (4)	Overcurrent devices	OCPDs
	240.21 (B) (5) (2)	Overcurrent device	OCPD
	240.21 (B) (5) (2)	Overcurrent devices	OCPDs
	240.21 (B) (5) (3)	Overcurrent device	OCPD
	240.21 (C). (X2)	Overcurrent Protection	Fine As Is
	240.21 (C) (1). Title	Title change	Overcurrent Protective Device
	240.21 (C) (1)	"...protected by overcurrent protection..."	Fine As Is
	240.21 (C) (1)	Overcurrent protective device	OCPD
	240.21 (C) (2) (1) (b)	Overcurrent device(s)	OCPDs

	240.21 (C) (2) (1) (b)	Overcurrent device	OCPD
	240.21 (C) (2) (4)	Overcurrent device	OCPD
	240.21 (C) (2) (4)	Overcurrent device	OCPD
	240.21 (C) (2) (4)	Overcurrent protection	Fine as is
	240.21 (C) (3) (2)	Overcurrent devices	OCPDs
	240.21 (C) (3) (3)	Overcurrent devices	OCPDs
	240.21 (C) (4) (2)	Overcurrent device	OCPD
	240.21 (C) (4) (2)	Overcurrent devices	OCPDs
	240.21 (C) (4) (3)	Overcurrent device	OCPD
	240.21 (C) (5)	Overcurrent Protection	Fine As Is
	240.21 (C) (6) (1)	Overcurrent device	OCPD
	240.21 (D)	Overcurrent devices	OCPDs
	240.21 (E)	.shall be permitted to be protected against overcurrent.	"..shall be permitted to have overcurrent protection.."
	240.21 (F)	.shall be permitted to be protected against overcurrent.	"..shall be permitted to have overcurrent protection.."
	240.21 (H). (X2)	Overcurrent Protection	Fine As Is
	240.22. (X2)	Overcurrent device	OCPD
	240.24(A)	Supplementary overcurrent protection	Fine as is
	240.24(A). (X4)	Overcurrent protective devices	OCPDs
	240.24(B)	Overcurrent devices	OCPDs
	240.24(B)(1). Title	Feeder overcurrent protective devices	Feeder OCPDs
	240.24(B)(1)	Service overcurrent protective devices	Service OCPDs
	240.24(B)(2). TITLE	Branch-circuit overcurrent protective device	Fine as is
	240.24(B)(2).	Branch-circuit overcurrent protective device	Branch-Circuit OCPD
	240.24(C)	Overcurrent protective devices	OCPDs
	240.24(D)	Overcurrent protective devices	OCPDs
	240.24(E)	Overcurrent protective devices	OCPDs
	240.24(E)	Supplementary overcurrent protection	Fine as is
	240.24(E) (X2)	Overcurrent protective devices	OCPDs
	240.24(F)	Overcurrent protective devices	OCPDs
	240.30(A)	Overcurrent devices	OCPDs
	240.32	Overcurrent devices	OCPDs
	240.33	Overcurrent devices	OCPDs
	240.86	Overcurrent device	OCPD
	240.86(B)	Overcurrent device	OCPD
	240.86(C)	Overcurrent device	OCPD

	240.87	Overcurrent device	OCPD
	240.90.	Overcurrent protection	Fine as is
	240.91(B). (X2)	Overcurrent device	OCPD
	240.92	Overcurrent device	OCPD
	240.92(A)	~~be protected~~	shall be provided with overcurrent protection
	240.92(C)	Overcurrent protection	Fine as is
	240.92(C)(1)(1)	Overcurrent device	OCPD
	240.92(C)(1)(2)	protective devices	Fine as is
	240.92(C)(1)(3)	Overcurrent devices	OCPDs
	240.92(C)(2)(1)	Overcurrent device	OCPD
	240.92(C)(2)(2) (X3)	Overcurrent devices	OCPDs
	240.92(C)(2)(3)	Overcurrent relaying	Fine as is
	240.92(C)(2)(4)	Overcurrent device	OCPD
	240.92(D)	Overcurrent protection	Fine as is
	240.92(D)(2). (X3)	Overcurrent devices	OCPDs
	240.92(D)(4)	Overcurrent device	OCPD
	240.92(E)	Overcurrent device	OCPD
	240.92(E)	Overcurrent protection	Fine as is
10	Article 242		
	242.14(ABC)	Overcurrent device	OCPD
	242.16	Overcurrent protection	Branch-circuit OCPD
10	Article 404		
	404.5	Overcurrent Devices	OCPDs
10	Article 408		
	408.4(A)	Overcurrent device	OCPD
	408.6 (X2)	Overcurrent ~~protection~~ devices	OCPDs
	408.36. Title	Overcurrent protection	Fine as is
	408.36. (X2)	Overcurrent protective device	OCPD
	408.36. (X3)	Overcurrent devices	OCPDs
	408.36(A)	Overcurrent protection	Fine as is
	408.36(B)	Overcurrent protection	Fine as is
	408.36(C)	Overcurrent device	OCPD
	408.36(D)	Overcurrent ~~protection~~ devices	OCPDs
	408.52	Overcurrent devices	OCPDs
	408.54	Overcurrent devices	OCPDs

	408.55	Overcurrent devices	OCPDs
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CMP-10 TG-4 Review of Overcurrent Language for the Articles under the purview of CMP-11			
CMP	NEC Section (using First Draft of 2026 NEC)	Current Language	"New" Language
11	Article 409		
	409.21. TITLE	Overcurrent Protection	Fine as is
	409.21(A)	Overcurrent Protection	Fine as is
	409.21(B)	Protection	Overcurrent protection
	409.21(B)	overcurrent protective device	OCPD
	409.21(B)	Overcurrent Protection	Fine as is
	409.21(C). (X2)	overcurrent protective device	OCPD
	409.104	Overcurrent Devices	OCPDs
11	Article 430		
	430.10(A) In.	Overcurrent Device	OCPD
	430.22(G)(1)(1)	Overcurrent Protection	Fine as is
	430.22(G)(1)(2)	Overcurrent Protection	Fine as is
	430.22(G)(2)(1)	Overcurrent Protection	Fine as is
	430.22(G)(2)(2)	Overcurrent Protection	Fine as is
	430.28	Branch-Circuit protective device	OCPD
	430.28	Overcurrent Device	OCPD
	430.51	Overcurrent	Fine as is
	430.53(C)(5)	Overcurrent Protection	Fine as is
	430.55	Overcurrent Protection	Fine as is
	430.61	Overcurrents	Fine as is
	430.62(A)Ex.2	Feeder Overcurrent protective device	Feeder OCPD
	430.62(A)Ex.2	Overcurrent Protection	Fine as is
	430.62(B)	Feeder Overcurrent protective device	Feeder OCPD
	430.63Ex.	Feeder Overcurrent device	Feeder OCPD
	430.63Ex.	Overcurrent Protection	Fine as is
	430.72. Title	Overcurrent Protection	Fine as is
	430.72(A)	protected against overcurrent	shall be provided with overcurrent protection in accordance with
	430.72(A)	Branch-circuit overcurrent protective devices	OCPDs
	430.72(A)	protected against overcurrent	shall be provided with overcurrent protection in accordance with
	430.72(B). (X2)	Overcurrent Protection	Fine as is
	430.72(B)	Overcurrent Device	OCPD

	430.72(B)	Overcurrent Protection	Fine as is
	430.72(B)(1) (X3)	Overcurrent Protection	Fine as is
	430.72(B)(2) Title	Branch-circuit overcurrent protective device	Fine as is
	430.72(B)(2) (X2)	protective devices	OCPDs
	430.72(C)Ex.	Overcurrent Protection	Fine as is
	430.72(C)(3)	Overcurrent Devices	OCPDs
	430.72(C)(4)	Overcurrent Device	OCPD
	430.72(C)(5)	Protection	Overcurrent protection
	430.87	Overcurrent Device	OCPD
	430.94. (X2)	Overcurrent Protection	Fine as is
	430.94. (X3)	Overcurrent protective device	OCPD
	430.109(A)(7)	Overcurrent protection	Fine as is
	430.109(B)	Branch-circuit overcurrent device	branch-circuit OCPD
	430.111(A). (X2)	Overcurrent Device	Fine as is
	430.112 Ex.	Branch circuit protective device	Suggest CMP to Review
	430.206. Title	Overcurrent protection	Fine as is
	430.206(B)(2)	considered to have Overcurrent	Overload
	430.206(C)	Fault-Current protection	Suggest CMP to Review
	430.207	Overcurrent (overload)Relays	Fine as is
	430.207	Overcurrent Relays	Fine as is
11	Article 440		
	440.21	Overcurrent	Fine as is
	440.21	Overcurrent Protection	Fine as is
	440.22(B)(2)Ex.	Overcurrent device	OCPD
	440.52(B)	Overcurrent	shall be provided with overcurrent protection
11	Article 460		
	460.9. Title	Overcurrent Protection	Fine As Is
	460.9. (X3)	Overcurrent Device	OCPD
	460.25	Overcurrent Protection	Fine As Is
	460.28(B)	Overcurrent Device	OCPD

CMP-10 TG-4 Review of Overcurrent Language for the Articles under the purview of CMP-12			
CMP	NEC Section (using First Draft of 2026 NEC)	Current Language	"New" Language
12	Article 610		
	610. Part V	Overcurrent Protection	Fine as is
	610.41(A)	Overcurrent Devices	OCPDs
	610.43(A)(1)	Branch Circuit Overcurrent Device	OCPD
	610.53 Title	Overcurrent Protection	Fine as is
	610.53	be protected from Overcurrent	shall be provided with overcurrent protection
	610.53	Overcurrent Devices	OCPDs
	610.53(B)	Branch Circuit Overcurrent Devices	OCPDs
12	Article 620		
	620.12(A)(4)	Overcurrent Protection	Fine as is
	620.22(A)(2) Title	Overcurrent protective device	Fine as is
	620.22(A)(2)	Overcurrent Device protecting	branch-circuit OCPD
	620.22(A)(2)	Overcurrent Device	OCPD
	620.22(B)	Overcurrent Device protecting	branch-circuit OCPD
	620.22(B)	Overcurrent Device	OCPD
	620.25 Title	Overcurrent Devices	Overcurrent Protective Devices
	620.25. (X2)	Overcurrent Devices	OCPDs
	620.53	Overcurrent protective device	OCPD
	620.54	Overcurrent protective device	OCPD
	620.55	Overcurrent protective device	OCPD
	Art 620 Part VII	Overcurrent Protection	Fine as is
	620.61	Overcurrent Protection	Fine as is
	620.61(A). (X2)	be protected against Overcurrent	shall be provided with overcurrent protection
	620.62(A)	Overcurrent protective devices, (OCPD)	OCPDs
	620.62(B)	OCPDs	Fine as is
	620.62(C)	OCPDs. And. Overcurrent Devices	Fine as is. And. OCPDs
	620.62	Overcurrent protective devices	OCPDs
	620.65. (X3)	Overcurrent Devices	OCPDs
12	Article 625		
	625.60(C). (X4)	Overcurrent Protection	Fine as is
12	Article 627		
	627.41	Overcurrent Protection	Fine as is
	627.41(A)	Overcurrent Protection	Fine as is

	627.41(B)	Overcurrent Devices	OCPDs
12	Article 630		
	630.12	Overcurrent Protection	Fine as is
	630.12	Overcurrent Device	OCPD
	630.12(A). (X2)	Overcurrent Protection	Fine as is
	630.12(A). (X5)	Overcurrent Device	OCPD
	630.13	Overcurrent Protection	Fine as is
	630.32	Overcurrent Protection	Fine as is
	630.32	Overcurrent Device	OCPD
12	Article 640		
	640.9(C)	Overcurrent Protection	Fine as is
	640.22	Overcurrent protection devices	OCPDs
	640.22	Overcurrent Devices	OCPDs
	640.43	Overcurrent protection devices	OCPDs
12	Article 645		
	645.27	Overcurrent protective devices, (OCPD)	OCPDs
	645.27	Overcurrent protective devices	OCPDs
12	Article 646		
	646.7. (X11)	Overcurrent Protection	Fine as is
12	Article 647		
	647.5	Overcurrent Protection	Fine as is
12	Article 650		
	650.9	Overcurrent Protection	Fine as is
	650.9	Overcurrent Device	OCPD
12	Article 660		
	660.7	Overcurrent Protection	Fine as is
	660.7(A)	Overcurrent protective devices	OCPDs
	660.7(B)	Overcurrent Devices	OCPDs
	660.7(B)	Overcurrent Protection	Fine as is
	660.9	Overcurrent Devices	OCPDs
12	Article 665		
	665.24	Overcurrent Protection	Fine as is
12	Article 668		
	668.4(C)(2)	Overcurrent Protection	Fine as is
	668.21	Overcurrent Protection	Fine as is

	668.21	Overcurrent Device	OCPD
12	Article 669		
	669.9	Overcurrent Protection	Fine as is
	669.9	be protected from Overcurrent	shall be provided with overcurrent protection
12	Article 670		
	670.1	Overcurrent Protection	Fine as is
	670.4(B). (X3)	Overcurrent Protection	Fine as is
	670.5. (X4)	Overcurrent Protection	Fine as is
	670.5(C). (X2)	Overcurrent protective device	OCPD
12	Article 685		
	685.10.	Overcurrent Devices	OCPDs

CMP-10 TG-4 Review of Overcurrent Language for the Articles under the purview of CMP-13			
CMP	NEC Section (using First Draft of 2026 NEC)	Current Language	"New" Language
13	Article 100		
	Emerg. Power Supply Systems (EPSS)	overcurrent protection devices	overcurrent protective devices (OCPDs)
	Transfer-Switch B-C Emerg. Ltg.	branch-circuit overcurrent device	branch-circuit overcurrent protective device (OCPD)
13	Article 130		
	130.80(C)	overcurrent devices	OCPDs
	130.80(C)	branch-circuit overcurrent device	OCPD
13	Article 445		
	445.11	Overcurrent protective Relay	Fine as is
	445.12. Title	Overcurrent Protection	Fine as is
	445.12(A)	Overcurrent protective means	Overcurrent protection means
	445.12(B)	Overcurrent Protection	Fine as is
	445.12(B) (X2)	Overcurrent Device	OCPD
	445.12(C)	Overcurrent Device	OCPD
	445.12(D)	Overcurrent Devices	OCPDs
	445.12(E). (X3)	Overcurrent Devices	OCPDs
	445.13(A). (X2)	Overcurrent Protection	Fine as is
	445.13(B). Title	Overcurrent protection	Fine as is
	445.13(B).	Overcurrent protective device	OCPD
	445.13(B)	Overcurrent Relay	Fine as is
13	Article 455		
	455.7	Overcurrent Protection	Fine As Is
	455.7	protected from Overcurrent	shall be provided with overcurrent protection in accordance with
	455.7(A)	Overcurrent Protection	Fine As Is
	455.7(B)	Overcurrent Protection	Fine As Is
13	Article 480		
	480.4(B) IN.2	Overcurrent Protection	Fine As Is
	480.6. (X2)	Overcurrent Protection	Fine As Is
	480.7	Overcurrent Device	OCPD
13	Article 695		
	695.4(C)	Overcurrent protective devices	OCPDs
	695.4(H). Title	Overcurrent Device Selection	Overcurrent Protective Device Selection
	695.4(H)	Overcurrent Devices	OCPDs

	695.5	Overcurrent Device	OCPD
	695.5	Overcurrent protective devices	OCPDs
	695.5	Overcurrent Protection	Fine as is
	695.6	Overcurrent protective devices	OCPDs
	695.6	Overcurrent Devices	OCPD
	695.6	Overcurrent Protection	Fine as is
	695.7(A)(2)	Overcurrent Devices	OCPDs
	695.7	Overcurrent Protection	Fine as is
13	Article 700		
	700.4(F)(8)	Overcurrent protective devices, (OCPD)	OCPDs
	700.6(E)	Overcurrent protective device	OCPD
	700.10(B). (X6)	Overcurrent Protection	Fine as is
	700.10(B)(6)(b)(ii)	Overcurrent protective device	OCPD
	700.10(B)(6)(e)	Overcurrent protective devices	OCPDs
	Art. 700 Part VI	Overcurrent Protection	Fine as is
	700.30.	Branch-circuit overcurrent devices	OCPDs
	700.32(A)	Overcurrent protective devices, (OCPDs)	OCPDs
	700.32(A) In	Overcurrent Protection	Fine as is
	700.32(C)	Overcurrent Devices	OCPDs
13	Article 701		
	701.6(C)	Overcurrent protective device	OCPD
	701.10(B)(1). (X5)	Overcurrent Protection	Fine as is
	701.10(B)(1)	Overcurrent protective device	OCPD
	Art. 701. Part IV	Overcurrent Protection	OCPDs
	701.30.	Branch-Circuit Overcurrent devices	Branch-Circuit OCPDs
	701.32(A). (X2)	Overcurrent protective devices, OCPDs	OCPDs
	701.32(B). (X3)	OCPDs	Fine as is
	701.32(C). (X2)	OCPDs	Fine as is
	701.32(C)Ex	Overcurrent Devices	OCPDs
	701.32(C) In 2	OCPD and OCPDs	Fine as is
13	Article 702		
	702.5(C)	Overcurrent protective device	OCPD
13	Article 706		
	706.15(E)(1)	Overcurrent Device	OCPD
	706.30(B)	Overcurrent Devices	OCPDs

	706.31 Title	Overcurrent Protection	Fine as is
	706.31(A)	shall be protected at the source from overcurrent.	shall be provided with overcurrent protection at the source
	706.31(A)	shall be protected from overcurrent.	shall be provided with overcurrent protection
	706.31(A) In	Overcurrent Device	OCPD
	706.31(B). Title	Overcurrent Device	Overcurrent Protective Device
	706.31(B)	Overcurrent protective devices	OCPDs
	706.31(B)	Overcurrent devices	OCPDs
	706.31(C)	Overcurrent protective devices	OCPDs
	706.31(E)	Overcurrent Protection	Fine as is
	706.33(B)(2)	Overcurrent Device	OCPD
13	Article 708		
	708.10(B)	Overcurrent Protection	Fine as is
	708.24(E)	Overcurrent protective device	OCPD
	Art. 708. Part IV	Overcurrent Protection	Fine as is
	708.50.	Feeder- and Branch-circuit overcurrent devices	Feeder- and Branch-circuit OCPDs
	708.52(B)	Overcurrent Devices	OCPDs
	708.54(A)	Overcurrent protective devices, (OCPD)	OCPDs
	708.54(A). (B). (C)	OCPDs	Fine as is
	708.54	Overcurrent Devices	OCPDs

CMP-10 TG-4 Review of Overcurrent Language for the Articles under the purview of CMP-14			
CMP	NEC Section (using First Draft of 2026 NEC)	Current Language	"New" Language
14	Article 500		
	500.30(A)(2)	Branch Circuit Overcurrent Protection	OCPD
	500.30.	Overcurrent Protection	Fine as is
14	Article 501		
	501.105(B)(5)	Overcurrent Protection	Fine as is
	501.125(B)(2)	Motor Overcurrent	Fine as is
14	Article 502		
	502.120(A)	Overcurrent Devices	OCPDs
	502.120(B)(1)	Overcurrent Devices	OCPDs
	502.125	Motor Overcurrent	Fine as is
14	Article 505		
	505.30(A)(2)	Branch Circuit Overcurrent Protection	OCPD
	505.30.	Overcurrent Protection	Fine as is
14	Article 506		
	506.30.	Branch Circuit Overcurrent Protection	OCPD
	506.30.	Overcurrent Protection	Fine as is

CMP-10 TG-4 Review of Overcurrent Language for the Articles under the purview of CMP-15			
CMP	NEC Section (using First Draft of 2026 NEC)	Current Language	"New" Language
15	Article 100		
	Bull Switch	Overcurrent protection	Fine as is
15	Article 517		
	517.17(B)	Overcurrent protective devices	OCPDs
	517.31(G). (X5)	Overcurrent protective devices	OCPDs
	517.31(G)	Overcurrent	Fine as is
	517.33((C). (X5)	Overcurrent protective devices	OCPDs
	517.42(F)	Overcurrent protective devices	OCPDs
	517.42(F)	Overcurrent	Fine as is
	517.73	Overcurrent Protection	Fine as is
	517.73(A)	Overcurrent protective devices	OCPDs
	517.73(B)	Overcurrent protective devices	OCPDs
	517.73(B)	Overcurrent Protection	Fine as is
	517.74(B)	Overcurrent protective devices	OCPDs
	517.160(A)(2)	Overcurrent Protection	Fine as is
	517.160(A)(2)	Overcurrent protective device	OCPD
	517.160(A)(2)	be protected against Overcurrent	be provided with overcurrent protection
	517.160(A)(3)	Overcurrent protective devices	OCPDs
	517.160(B)(1)	Overcurrent protective devices	OCPDs
15	Article 518		
	518.7(A)(1)	Overcurrent Protection	Fine as is
	518.17(A)(1) and (2)	Overcurrent Devices	OCPDs
15	Article 520		
	520.9	Branch Circuit Overcurrent Device	OCPD
	520.21	Overcurrent protective devices	OCPDs
	520.25. (X3)	Overcurrent Protection	Fine as is
	520.26	Overcurrent protective devices	OCPD
	520.26. (X3)	Overcurrent Protection	Fine as is
	520.27. (X2)	Overcurrent Device	OCPD
	520.44-T	Overcurrent Devices	OCPD
	520.50(C)	Overcurrent Protection	Fine as is
	520.50.	Branch-circuit overcurrent protective device	OCPDs
	520.52	Overcurrent Protection	Fine as is

	520.53(A)	Overcurrent protective devices	OCPDs
	520.53(D)	Overcurrent Protection	Fine as is
	520.54	Overcurrent Devices	OCPDs
	520.54(D)	Overcurrent Device	OCPD
	520.54(D)(1) and (2)	Overcurrent protective devices	OCPD
	520.54(E)	Overcurrent protective device	OCPD
	520.54(E). (X4)	Overcurrent protection device	OCPD
	520.54(E)	Overcurrent Devices	OCPDs
	520.54(K)	Overcurrent Device	OCPD
	520.68	Overcurrent protective device	OCPD
	520.68(3)	Overcurrent Device	OCPD
	520.68(4)	Overcurrent protective device	OCPD
	520.68(6)	Overcurrent Devices	OCPDs
	520.68(C)	Overcurrent Protection	Fine as is
15	Article 522		
	522.10(A)(2). (X3)	Overcurrent Devices	OCPDs
	522.10(A)(2)	Overcurrent protective device	OCPD
	522.10(B). (X4)	Overcurrent Devices	OCPDs
	522.23. (X3)	Overcurrent Protection	Fine as is
15	Article 525		
	525.12	Overcurrent Device	OCPD
	525.23(B)	Overcurrent Device	OCPD
	525.23(C). (X2)	Overcurrent Protection	Fine as is
15	Article 530		
	530.9(A)	Branch-circuit overcurrent device	Branch-circuit OCPD
	530.10(C)	Overcurrent Protection	Fine as is
	530.23 and (A)	Overcurrent Protection	Fine as is
	530.23(B)	Overcurrent protective devices	OCPDs
	530.23(D)	Overcurrent Protection	Fine as is
	530.42	Overcurrent Protection	Fine as is
15	Article 540		
	540.11(B)	Overcurrent Devices	OCPDs

CMP-10 TG-4 Review of Overcurrent Language for the Articles under the purview of CMP-16			
CMP	NEC Section (using First Draft of 2026 NEC)	Current Language	"New" Language
16	Article 830		
	830.15. (X4)	Overcurrent Protection	Fine as is

CMP-10 TG-4 Review of Overcurrent Language for the Articles under the purview of CMP-17			
CMP	NEC Section (using First Draft of 2026 NEC)	Current Language	"New" Language
17	Article 422		
	422.5(C)	Branch-circuit overcurrent protective device	Branch-Circuit OCPD
	422.11. Title	Overcurrent Protection	Fine as is
	422.11	protected against overcurrent	shall be provided with overcurrent protection
	422.11(A)	Overcurrent Protection	Fine as is
	422.11(A)	Branch-circuit overcurrent protective device	Branch-Circuit OCPD
	422.11(B)	Overcurrent Protection	OCPDs
	422.11(C)	Overcurrent Protection	OCPDs
	422.11(D)	Overcurrent protective devices	OCPDs
	422.11(E)	Overcurrent Protection	Fine as is
	422.11(E)(1)	Overcurrent Protection	Fine as is
	422.11(E)(2)	Overcurrent Protection	Fine as is
	422.11(E)(3)	Overcurrent Protection	OCPD
	422.11(E)(3)	Overcurrent Device	OCPD
	422.11(F)(1)	Supplementary Overcurrent Protective Devices	Supplementary OCPDs
	422.11(F)(1)	Overcurrent Protective Devices	OCPDs
	422.11(G)	Overcurrent Protective Devices	OCPDs
	422.13	Overcurrent Protection	Fine as is
	422.31(A)	Branch-circuit overcurrent protective device	Branch-Circuit OCPD
	422.60(A)	Overcurrent Protection	Fine as is
	422.62(B)(1). (X2)	Overcurrent protective device	OCPD
17	Article 424		
	424.19	Supplementary Overcurrent Protective Devices	Supplementary OCPDs
	424.19(A)	Supplementary Overcurrent Protection	Fine as is
	424.19(A)	Supplementary Overcurrent Protection	Fine as is
	424.19(A)	Supplementary Overcurrent Protective Device(s)	Supplementary OCPDs
	424.19(B)	Supplementary Overcurrent Protection	Fine as is
	424.22	Overcurrent Protection	Fine as is
	424.22(A)	Overcurrent Protection	Fine as is
	424.22(A)	protected against overcurrent	"..shall be permitted to have overcurrent protection.."
	424.22(B)	Supplementary Overcurrent Protective Device	Supplementary OCPD
	424.22(C). Title	Overcurrent Protective Devices	Fine as is
	424.22(C)	Supplementary Overcurrent Protective Devices	Supplementary OCPDs

	424.22(C)	Overcurrent Protection	Fine as is
	424.22(C)	Supplementary Overcurrent Protection	Fine as is
	424.22(D) (X2)	Supplementary Overcurrent Protective Devices	Supplementary OCPDs
	424.22(E). (X3)	Supplementary Overcurrent Protective Devices	Supplementary OCPDs
	424.72	Overcurrent Protection	Fine as is
	424.72(A)	Overcurrent protective device	OCPD
	424.72(B)	Overcurrent protective device	OCPD
	424.72(C). Title	Supplementary Overcurrent Protective Devices	Fine as is
	424.72(C)	Supplementary Overcurrent Protective Devices	Supplementary OCPDs
	424.72(C)	Overcurrent Protection	Fine as is
	424.72(D). Title	Supplementary Overcurrent Protective Devices	Fine as is
	424.72(D).	Supplementary Overcurrent Protective Devices	Supplementary OCPDs
	424.72(D)	Overcurrent protective device	OCPD
	424.72(E)	Supplementary Overcurrent Protective Devices. (X3)	Supplementary OCPDs
	424.82	Overcurrent protective devices	OCPDs
17	Article 425		
	425.19	Supplementary Overcurrent Protective Devices	Supplementary OCPDs
	425.19(A). (X2)	Supplementary Overcurrent Protection	Fine as is
	425.19(A)	Supplementary Overcurrent Protective Devices	Supplementary OCPDs
	425.19(B)	Supplementary Overcurrent Protection	Fine as is
	425.22. Title	Overcurrent Protection	Fine as is
	425.22(A)	Overcurrent Protection	Fine as is
	425.22(A)	protected against overcurrent	"..shall be permitted to have overcurrent protection.."
	425.22(B)	Supplementary Overcurrent Protective Device	Supplementary OCPD
	425.22(C). Title	Overcurrent Protective Devices	Fine as is
	425.22(C)	Supplementary Overcurrent Protective Devices	Supplementary OCPDs
	425.22(C). (X2)	Supplementary Overcurrent Protection	Fine as is
	425.22(D). Title	Supplementary Overcurrent Protective Devices	Fine as is
	425.22(D). (X2)	Supplementary Overcurrent Protective Devices	Supplementary OCPDs
	425.22(E) (X3)	Supplementary Overcurrent Protective Devices	Supplementary OCPDs
	425.72	Overcurrent Protection	Fine as is
	425.72(A)	Overcurrent protective device	OCPD
	425.72(B)	Overcurrent protective device	OCPD
	425.72(C). Title	Supplementary Overcurrent Protective Devices	Fine as is
	425.72(C)	Supplementary Overcurrent Protective Devices	Supplementary OCPDs

	425.72(C)	Overcurrent Protection	Fine as is
	425.72(D)	Overcurrent protection	Fine as is
	425.72(E). Title	Supplementary Overcurrent Protective Devices	Fine as is
	425.72(E)	Supplementary Overcurrent Protective Devices	Supplementary OCPDs
	425.72(E)	Overcurrent Protective Devices	OCPD
	425.72(F). (X3)	Supplementary Overcurrent Protective Devices	Supplementary OCPDs
	425.82	Overcurrent protective devices	OCPDs
17	Article 427		
	427.57	Overcurrent Protection	Fine as is
	427.57	considered protected against Overcurrent	considered to have overcurrent protection
17	Article 680		
	680.10.(A)& (B)(2)	Overcurrent protective devices	OCPDs
	680.23(F)(2)	Overcurrent Protection	Fine as is

CMP-10 TG-4 Review of Overcurrent Language for the Articles undeer the purview of CMP-18			
CMP	NEC Section (using First Draft of 2026 NEC)	Current Language	"New" Language
18	Article 393		
	393.45. Title	Overcurrent Protection	Overcurrent Protection
	393.45(A)	Overcurrent Protection	Fine as is
18	Article 406		
	406.46(F)	Overcurrent Device	OCPD
18	Article 410		
	410.59(A)	Branch-circuit overcurrent devices	Branch-Circuit OCPD
	410.153	Overcurrent Protection	Fine as is
18	Article 600		
	600.41	Overcurrent	CMP to Review



Public Comment No. 1219-NFPA 70-2024 [Definition: Communications Circuit.]

Communications Circuit.

A metallic, fiber, or wireless circuit that provides voice/data (and associated power) for communications-related services between communications equipment. (CMP-16)

~~Informational Note: Because communications can be carried over conductors with power, meeting both this definition and the definition for a powering circuit is possible (e.g., a power line communications device may be used on a branch circuit). The addition of data to a power line circuit does not change the treatment of the circuit in this code.~~

Statement of Problem and Substantiation for Public Comment

There is no definition of a "powering circuit," so this Informational Note makes no sense.

Related Item

- FR 7834

Submitter Information Verification

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Submittal Date: Sat Aug 17 17:57:16 EDT 2024

Committee: NEC-P16



Public Comment No. 1561-NFPA 70-2024 [Definition: Communications Circuit.]

Communications Circuit.

A metallic, fiber, or wireless circuit that provides voice/data (and associated power) for communications-related services between communications equipment. (CMP-16)

Informational Note: Because communications can be carried over conductors with power, meeting both this definition and the definition for a ~~powering~~ another circuit defined by this code is possible (e.g., a power line communications device may be used on a branch circuit). The addition of data to a ~~power line circuit~~ another circuit type defined by this code does not, by itself, change the ~~treatment of the~~ requirements on the (other defined) circuit in this code.

Statement of Problem and Substantiation for Public Comment

On review, this informational note, put in in response to a public input I generated, doesn't properly make sense, because it refers to a "powering circuit" which is an undefined term in the code. The rationale for the FR remains - that the expansion of the term "communications circuit" to be anything carrying data makes it ambiguous as to how to treat an existing circuit type referenced in the code (e.g., branch circuits, feeder circuits, class 2 circuits, class 3 circuits, and class 4 circuits). The informational note is modified to reference the circuit types referenced in teh code and that their requirements are not bypassed by the mere addition of data.

Related Item

- Public Input 3378-NFPA 70-2023

Submitter Information Verification

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Committee: NEC-P16



Public Comment No. 1221-NFPA 70-2024 [Definition: Point of Entrance.]

Point of Entrance.

The point within a building at which a wire or cable emerges from an external wall, the roof, or the floor. (800)_(CMP-16)

Statement of Problem and Substantiation for Public Comment

As I indicated in my public input, allowing a raceway to extend the point of entrance would allow service conductors inside of a building without protection. The CMP's decision to reject that language is fine, but only if the definition is limited to Article 800. As written, it applies to Article 230 as well. This flies in the face of requirements that predate even the 1897 NEC.

Related Item

- FR 7838

Submitter Information Verification

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Submittal Date: Sat Aug 17 18:36:55 EDT 2024

Committee: NEC-P16



Public Comment No. 541-NFPA 70-2024 [Definition: Raceway, Communications. (Communications Racewa...]

Raceway, Communications. (Communications Raceway)

An enclosed channel of nonmetallic materials designed expressly for holding communications wires and cables; optical fiber cables; data cables associated with information technology and communications equipment; Class 2, Class 3, Class 4, and Type PLTC cables; and power-limited fire alarm cables in plenum, riser, and general-purpose applications. (CMP-3)

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
CN_405.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 405 appeared in the First Draft Report.

The Correlating Committee directs CMP-3 to review the definition “Raceway, Communications” and considering removing the various type of cables and conductors listed in the definition for usability.

Related Item

- Correlating Committee Note No. 405

Submitter Information Verification

Submitter Full Name: CC Notes

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Submittal Date: Tue Jul 30 23:37:23 EDT 2024

Committee: NEC-P16



Correlating Committee Note No. 405-NFPA 70-2024 [Detail]

Submitter Information Verification

Committee: NEC-AAC

Submittal Date: Tue May 14 11:14:12 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP-3 to review the definition “Raceway, Communications” and considering removing the various type of cables and conductors listed in the definition for usability.

Ballot Results

✓ **This item has passed ballot**

12 Eligible Voters

1 Not Returned

11 Affirmative All

0 Affirmative with Comments

0 Negative with Comments

0 Abstention

Not Returned

McDaniel, Roger D.

Affirmative All

Ayer, Lawrence S.

Bowmer, Trevor N.

Hickman, Palmer L.

Holub, Richard A.

Jackson, Peter D.

Kendall, David H.

Manche, Alan

Osborne, Robert D.

Porter, Christine T.

Schultheis, Timothy James

Williams, David A.



Public Comment No. 1545-NFPA 70-2024 [Article 800]

Article 800 General Requirements for Communications Systems Outside and Entering Buildings.

Part I. General

800.1 Scope.

This article covers requirements for communications system wires and cables outside and entering buildings.

Part II. Wires and Cables Outside and Entering Buildings

800.44 Overhead (Aerial) Wires and Cables.

Overhead (aerial) communications wires and cables, optical fiber cables, and CATV-type coaxial cables entering buildings shall comply with 800.44(A) through 800.44(D).

Informational Note: See C2-2023, *National Electrical Safety Code*[®] (NESC[®]), *Part 2, Safety Rules for Overhead Lines*, for additional information regarding overhead (aerial) wires and cables.

(A) On Poles, In-Span, Above Roofs, on Masts, or Between Buildings.

If communications wires and cables, optical fiber cables, or CATV-type coaxial cables and electric light or power conductors are supported by the same pole or are run parallel to each other in-span, the conditions described in 800.44(A)(1) through 800.44(A)(4) shall be met.

(1) Relative Location.

If practicable, the communications wires and cables, optical fiber cables, and CATV-type coaxial cables shall be located below the electric light or power conductors.

(2) Attachment to Cross-Arms.

Communications wires and cables, optical fiber cables, and CATV-type coaxial cables shall not be attached to a cross-arm that carries electric light or power conductors.

(3) Climbing Space.

The climbing space through wires and cables shall comply with the requirements of 225.14(B).

(4) Clearance.

Electric light or power conductors of 0 volts to 750 volts running above and parallel to communications wires and cables, optical fiber cables, and CATV-type coaxial service drops shall have a minimum separation of 300 mm (12 in.) at any point in the span, including the point of their attachment to the building, provided that the ungrounded conductors are insulated and that a clearance of not less than 1.0 m (40 in.) is maintained between the two services at the pole.

(B) Above Roofs.

Communications wires and cables, optical fiber cables, and CATV-type coaxial cables shall have a vertical clearance of not less than 2.5 m (8 ft) from all points of roofs above which they pass.

Exception No. 1: Communications wires and cables, optical fiber cables, and CATV-type coaxial cables shall not be required to have a vertical clearance of not less than 2.5 m (8 ft) above auxiliary buildings, such as garages and the like.

Exception No. 2: A reduction in clearance above only the overhanging portion of the roof to not less than 450 mm (18 in.) shall be permitted if (1) not more than 1.2 m (4 ft) of communications wires and cables, optical fiber cables, and CATV-type coaxial cables pass above the roof overhang and (2) they are terminated at a through- or above-the-roof raceway or approved support.

Exception No. 3: If the roof has a slope of not less than 100 mm in 300 mm (4 in. in 12 in.), a reduction in clearance to not less than 900 mm (3 ft) shall be permitted.

Informational Note: See C2-2023, *National Electrical Safety Code*[®] (NESC[®]), Part 2, *Safety Rules for Overhead Lines*, for additional information regarding overhead (aerial) wire and cables.

(C) On Masts.

Overhead (aerial) communications wires and cables, conductive optical fiber cables, and CATV-type coaxial cables shall be permitted to be attached to an above-the-roof raceway mast that does not enclose or support conductors of electric light or power circuits. Nonconductive optical fiber cables shall be permitted to be attached to an above-the-roof mast that encloses or supports conductors of electric light or power circuits.

(D) Between Buildings.

Communications cables, optical fiber cables, and CATV-type coaxial cables extending between buildings or structures, and also the supports or attachment fixtures, shall be identified and shall have sufficient strength to withstand the loads to which they might be subjected.

Exception: If a communications cable, or optical fiber cables, or a CATV-type coaxial cable does not have sufficient strength to be self-supporting, it shall be attached to a supporting messenger cable that, together with the attachment fixtures or supports, shall be acceptable for the purpose and shall have sufficient strength to withstand the loads to which they may be subjected.

(E) On Buildings.

Where attached to buildings, communications wires and cables, optical fiber cables, and CATV-type coaxial cables shall be securely fastened in such a manner that they will be separated from other conductors in accordance with 800.44(E)(1) and 800.44(E)(2).

(1) Electric Light or Power.

The communications wires and cables, optical fiber cables, and CATV-type coaxial cables shall have a separation of at least 100 mm (4 in.) from electric light, power, Class 1, or non-power-limited fire alarm circuit conductors not in raceway or cable, or shall be permanently separated from conductors of the other system by a continuous and firmly fixed nonconductive barrier in addition to the insulation on the wires.

(2) Other Communications Systems.

Communications wires and cables, optical fiber cables, and CATV-type coaxial cables shall be installed so that there will be no unnecessary interference in the maintenance of the separate systems. In no case shall the wires, cables, messenger strand, or equipment of one system cause abrasion to the wires, cables, messenger strand, or equipment of any other system.

800.47 Underground Systems Entering Buildings.

Underground communications wires and cables, optical fiber cables, CATV-type coaxial cables, and network-powered broadband communications cables entering buildings shall comply with 800.47(A) and 800.47(B). The requirements of 310.10(C) shall not apply to communications wires and cables and CATV-type coaxial cables.

(A) Underground Systems with Electric Light, Power, Class 1, or Non-Power-Limited Fire Alarm Circuit Conductors.

Underground communications wires and cables, conductive optical fiber cables, CATV-type coaxial cables, and network-powered broadband communications cables in a raceway, pedestal, handhole enclosure, or manhole containing electric light, power, Class 1, or non-power-limited fire alarm circuit conductors shall be in a section separated from such conductors by means of brick, concrete, or tile partitions or by means of a suitable barrier.

(B) Direct-Buried Cables and Raceways.

Direct-buried communications wires and cables, conductive optical fiber cables, CATV-type coaxial cables, and network-powered broadband communications cables shall be separated at least 300 mm (12 in.) from conductors of any light or power, non-power-limited fire alarm circuit conductors, or Class 1 circuit.

Exception No. 1: Separation shall not be required if electric service conductors or all the direct-buried communications wires and cables, conductive optical fiber cables, CATV-type coaxial cables, and network-powered broadband communications cables are installed in raceways or have metal cable armor.

Exception No. 2: Separation shall not be required under one of the following conditions:

- (1) If the electric light or power branch-circuit or feeder conductors or Class 1 circuit conductors are installed in a raceway or in metal-sheathed, metal-clad, or Type UF or Type USE cables*
- (2) If all the direct-buried communications wires cables, CATV-type coaxial cables, conductive optical fiber cables, and network-powered broadband communications cables have metal cable armor or are installed in raceway*

(C) Underground Communications Wires and Cables Entering Buildings — Underground Block Distribution.

Where the entire street circuit is run underground and the circuit within the block is placed so as to be free from the likelihood of accidental contact with electric light or power circuits of over 300 volts to ground, the insulation requirements of 800.50(A) and 800.50(C) shall not apply, insulating supports shall not be required for the conductors, and bushings shall not be required where the conductors enter the building.

800.48 Unlisted Cables Entering Buildings.

Unlisted outside plant communications cables, unlisted outside plant CATV-type coaxial cables, and unlisted conductive and nonconductive optical fiber cables shall be permitted to be installed in building spaces other than risers, ducts used for environmental air, plenums used for environmental air, and other spaces used for environmental air if all of the following applies:

- (1) The length of the cable within the building, measured from its point of entrance, does not exceed 15 m (50 ft).
- (2) The cable enters the building from the outside.
- (3) The unlisted outside plant communications cable is terminated in an enclosure or on a listed primary protector.
- (4) The unlisted outside plant CATV type coaxial cable is terminated at a grounding block.
- (5) The unlisted conductive or nonconductive optical fiber cable is terminated in an enclosure.

The point of entrance of the unlisted outside plant communications cables, unlisted outside plant CATV-type coaxial cables and unlisted outside plant conductive and nonconductive optical fiber cables shall be permitted to be extended from the penetration of the external wall, roof, or floor slab by continuously enclosing the entrance cables in rigid metal conduit (RMC) or intermediate metal conduit (IMC), without the use of pull or junction boxes, to the point of emergence.

The point of entrance of unlisted nonconductive optical fiber cables shall be permitted to be extended from the penetration of the external wall, roof, or floor slab by continuously enclosing the cables in rigid polyvinyl chloride conduit (PVC), or electrical metallic tubing (EMT), without the use of pull or junction boxes, in spaces other than risers, ducts used for environmental air, plenums used for environmental air, and other spaces used for environmental air.

Informational Note No. 1: Splice cases or terminal boxes, both metallic and plastic types, are typically used as enclosures for splicing or terminating communications cables and optical fiber cables.

Informational Note No. 2: This section limits the length of unlisted outside plant communications cable to 15 m (50 ft) from the point of entrance, while 805.90(B) requires that the primary protector be located as close as practicable to the point of entrance of the cable. Therefore, in installations requiring a primary protector, the outside plant communications cable may not extend 15 m (50 ft) into the building if it is practicable to place the primary protector closer to the point of entrance.

Informational Note No. 3: The primary protector is typically the communications service point where the cabling transitions from unlisted outside plant cable from the communications utility or service provider to listed premises cabling.

Informational Note No. 4: The ground block is typically the communications service point where the cabling transitions from unlisted outside plant CATV-type coaxial cable from the communications utility or service provider, to listed premises CATV-type coaxial cabling.

800.49 Metal Entrance Conduit Grounding.

Metal conduit containing entrance wire or cable shall be connected by a bonding conductor or grounding electrode conductor to a grounding electrode or, where present, the building grounding electrode system in accordance with 800.100(B).

800.50 Circuits Requiring Primary Protectors.

Circuits that require primary protectors as provided in 805.90 shall comply with 800.50(A), 800.50(B), and 800.50(C).

(A) Insulation, Wires, and Cables.

Communications wires and cables without a metal shield, running from the last outdoor support to the primary protector, shall be listed in accordance with 805.173.

(B) On Buildings.

Communications wires and cables in accordance with 800.50(A) shall be separated at least 100 mm (4 in.) from electric light or power conductors not in a raceway or cable or be permanently separated from conductors of the other systems by a continuous and firmly fixed nonconductor in addition to the insulation on the wires, such as porcelain tubes or flexible tubing. Communications wires and cables in accordance with 800.50(A) exposed to accidental contact with electric light and power conductors operating at over 300 volts to ground and attached to buildings shall be separated from woodwork by being supported on glass, porcelain, or other insulating material.

Exception: Separation from woodwork shall not be required where fuses are omitted as provided for in 805.90(A)(1), or where conductors are used to extend circuits to a building from a cable having a grounded metal sheath.

(C) Entering Buildings.

(1) Installed Inside Buildings.

If a primary protector is installed inside the building, the communications wires and cables shall enter the building either through a noncombustible, nonabsorbent insulating bushing or through a metal raceway.

Exception: The insulating bushing shall not be required if the entering communications wires and cables meet one or more of the following conditions:

- (1) Is a metal-sheathed cable*
- (2) Pass through masonry*
- (3) Meet the requirements of 800.50(A) and fuses are omitted in accordance with 805.90(A)(1)*
- (4) Meet the requirements of 800.50(A) and are used to extend circuits to a building from a cable having a grounded metal sheath*

(2) Orientation of Raceways or Bushings.

Raceways or bushings shall slope upward from the outside, or, where this cannot be done, drip loops shall be formed in the communications wires and cables immediately before they enter the building.

(3) Service Head.

Raceways shall be equipped with an approved service head. More than one communications wire and cable shall be permitted to enter through a single raceway or bushing. Conduits or other metal raceways located ahead of the primary protector shall be grounded.

800.53 Separation from Lightning Conductors.

Where practicable on buildings, a separation of at least 1.8 m (6 ft) shall be maintained between lightning protection conductors and all communications wires and cables, conductive optical fiber cables, and CATV-type coaxial cables.

Informational Note No. 1: See C2-2023 *National Electrical Safety Code*[®] (NESC[®]), Part 2, *Safety Rules for Overhead Lines*, for additional information regarding overhead (aerial) wires and cables.

Informational Note No. 2: See NFPA 780-2026, *Standard for the Installation of Lightning Protection Systems*, for information on calculation of separation distances using the sideflash equation.

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
Limited_Energy_Roster-2026_2nd_Draft.pdf	Limited-Energy Task Group Roster-2nd Draft	

Statement of Problem and Substantiation for Public Comment

This public comment is submitted on behalf of the Limited-Energy Task Group (see attached roster) to revise the title of Article 800 to correlate with the scope change in Article 800.

Related Item

- FCR-231

Submitter Information Verification

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Submittal Date: Fri Aug 23 17:27:06 EDT 2024

Committee: NEC-P16

Limited Energy Task Group [2nd Draft]

No.	First Name	Last Name	Class.	Organization	Other Committees
1	Kyle	Krueger	[I/M]	NECA	NEC-Correlating Committee CMP 3 NFPA 72-Correlating Committee
2	Ernie	Gallo	[U/T]	NEBScore	
3	Derrick	Atkins	[L]	Minneapolis Electrical JA	NEC-Correlating Committee CMP 5
4	Anthony	Tassone	[R/T]	UL Solutions	CMP 3 CMP 16
5	Chad	Jones	[M]	Cisco	CMP 3
6	Sam	Rokowski	[I/M]	Maddox Inc.	CMP 3
7	George	Bish	[M]	Amazon/Ring Protect Inc	CMP 16
8	Trevor	Bowmer	[U]	Telecom Consulting	NEC Correlating Committee CMP 16
9	Ronald	Tellas	[M]	CCCA	CMP 3 CMP 16
10	Tim	Mikloiche	[E]	IAEI	CMP 3
11	Ryan	Jackosn	[M]	Steel Tube Industry	CMP 3
12	Diana	Lettkeman	[M]	Dish	CMP 16
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Public Comment No. 938-NFPA 70-2024 [Section No. 800.50]

800.50 Circuits Requiring Primary Protectors.

Circuits that require primary protectors as provided in ~~805.90 shall~~ 742.10(A) shall comply with 800.50(A), 800.50(B), and 800.50(C).

(A) Insulation, Wires, and Cables.

Communications wires and cables without a metal shield, running from the last outdoor support to the primary protector, shall be listed in accordance with ~~805 722 . 473 2 .~~

(B) On Buildings.

Communications wires and cables in accordance with 800.50(A) shall be separated at least 100 mm (4 in.) from electric light or power conductors not in a raceway or cable or be permanently separated from conductors of the other systems by a continuous and firmly fixed nonconductor in addition to the insulation on the wires, such as porcelain tubes or flexible tubing. Communications wires and cables in accordance with 800.50(A) exposed to accidental contact with electric light and power conductors operating at over 300 volts to ground and attached to buildings shall be separated from woodwork by being supported on glass, porcelain, or other insulating material.

Exception: Separation from woodwork shall not be required where fuses are omitted as provided for in ~~805 742 .90 10~~ (A)(1), or where conductors are used to extend circuits to a building from a cable having a grounded metal sheath.

(C) Entering Buildings.

(1) Installed Inside Buildings.

If a primary protector is installed inside the building, the communications wires and cables shall enter the building either through a noncombustible, nonabsorbent insulating bushing or through a metal raceway.

Exception: The insulating bushing shall not be required if the entering communications wires and cables meet one or more of the following conditions:

- (1) Is a metal-sheathed cable*
- (2) Pass through masonry*
- (3) Meet the requirements of 800.50(A) and fuses are omitted in accordance with ~~805 742 .90 10~~ (A)(1)*
- (4) Meet the requirements of 800.50(A) and are used to extend circuits to a building from a cable having a grounded metal sheath*

(2) Orientation of Raceways or Bushings.

Raceways or bushings shall slope upward from the outside, or, where this cannot be done, drip loops shall be formed in the communications wires and cables immediately before they enter the building.

(3) Service Head.

Raceways shall be equipped with an approved service head. More than one communications wire and cable shall be permitted to enter through a single raceway or bushing. Conduits or other metal raceways located ahead of the primary protector shall be grounded.

Additional Proposed Changes

File Name

Description

Approved

Statement of Problem and Substantiation for Public Comment

This public comment is submitted on behalf of the Limited-Energy Task Group (see attached roster) to correct the following references:

- (1) Section 800.50 reference to 805.90(A). These requirements are now located in 742.10(A).
- (2) Section 800.50(A) reference to 722.100. These requirements are now located in 722.2.
- (3) Section 800.50(B) Exception reference to 805.90(A)(1). These requirements are now located in 742.10(A)(1).
- (4) Section 800.50(C) Exception reference to 805.90(A). These requirements are now located in 742.10(A)(1).

See companion PC-924 for Limited-Energy Cable listing.

Related Public Comments for This Document

<u>Related Comment</u>	<u>Relationship</u>
<u>Public Comment No. 924-NFPA 70-2024 [New Section after 722.1]</u>	PC creating new section 722 for listing requirements.
<u>Related Item</u>	
• FCR-231	

Submitter Information Verification

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Submission Date: Wed Aug 07 17:27:33 EDT 2024
Committee: NEC-P16

Limited Energy Task Group [2nd Draft]

No.	First Name	Last Name	Class.	Organization	Other Committees
1	Kyle	Krueger	[I/M]	NECA	NEC-Correlating Committee CMP 3 NFPA 72-Correlating Committee
2	Ernie	Gallo	[U/T]	NEBScore	
3	Derrick	Atkins	[L]	Minneapolis Electrical JA	NEC-Correlating Committee CMP 5
4	Anthony	Tassone	[R/T]	UL Solutions	CMP 3 CMP 16
5	Chad	Jones	[M]	Cisco	CMP 3
6	Sam	Rokowski	[I/M]	Maddox Inc.	CMP 3
7	George	Bish	[M]	Amazon/Ring Protect Inc	CMP 16
8	Trevor	Bowmer	[U]	Telecom Consulting	NEC Correlating Committee CMP 16
9	Ronald	Tellas	[M]	CCCA	CMP 3 CMP 16
10	Tim	Mikloiche	[E]	IAEI	CMP 3
11	Ryan	Jackosn	[M]	Steel Tube Industry	CMP 3
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13	John	Kacperski	[L]	IBEW	CMP 16



Public Comment No. 1541-NFPA 70-2024 [Article 805]

~~Article 805— Communications Circuits~~

~~Part I.— General~~

~~Part II.— Wires and Cables Outside and Entering Buildings~~

~~Part IV.— Installation Methods Within Buildings~~

~~805.156— Dwelling Unit Communications Outlet.~~

~~For new construction, a minimum of one communications outlet shall be installed within the dwelling in a readily accessible area and cabled to the service provider demarcation point.~~

~~Part V.— Listing Requirements~~

~~805.170— Protectors.~~

~~Protectors shall be listed in accordance with 805.170(A) or 805.170(B) :~~

~~(A)— Primary Protectors.~~

~~The primary protector shall be listed and consist of an arrester connected between each line conductor and ground in an appropriate mounting. Primary protector terminals shall be marked to indicate line and ground as applicable.~~

~~Informational Note: See ANSI/UL 497-2017, *Standard for Protectors for Paired Conductor Communications Circuits*, to determine applicable requirements for a listed primary protector.~~

~~(B)— Secondary Protectors.~~

~~The secondary protector shall be listed as suitable to provide means to safely limit currents to less than the current-carrying capacity of listed indoor communications wire and cable, listed telephone set line cords, and listed communications terminal equipment having ports for external wire line communications circuits. Any overvoltage protection, arresters, or grounding connection shall be connected on the equipment terminals side of the secondary protector current-limiting means.~~

~~Informational Note: See ANSI/UL 497A-2019, *Standard for Secondary Protectors for Communications Circuits*, to determine applicable requirements for a listed secondary protector.~~

~~805.173— Drop Wire and Cable.~~

~~Communications wires and cables without a metallic shield, running from the last outdoor support to the primary protector, shall be listed as being suitable for the purpose and shall have current-carrying capacity as specified in 805.90(A)(1)(2) or 805.90(A)(1)(3).~~

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
Limited_Energy_Roster-2026_2nd_Draft.pdf	Limited-Energy Task Group Roster-2nd Draft	

Statement of Problem and Substantiation for Public Comment

This public comment is submitted on behalf of the Limited-Energy Task Group (see attached roster) to delete the remaining sections in Article 805 thst were missed during the First-Draft reorganization.:

- Delete section 805.156 as this requirement has be relocated to new Article 720, specifically section 720.9. This requirement is general in nature to communications installations, as such it is more appropriately located in this new article for general requirements for limited-energy and communications installations.
- Delete section 805.170 as this is covered by 742.2(A)
- Delete section 805.173 as this covered by 742.10(A)&(B)

Related Public Comments for This Document

Related Comment	Relationship
Public Comment No. 1531-NFPA 70-2024 [New Section after 720.8(B)]	PC to relocate this requirement to new section 720.9
Public Comment No. 1533-NFPA 70-2024 [Section No. 722.133(E)]	PC to delete this requirement from 722.133(E)
Public Comment No. 1531-NFPA 70-2024 [New Section after 720.8(B)]	
Public Comment No. 1533-NFPA 70-2024 [Section No. 722.133(E)]	
<u>Related Item</u>	
• FCR-236	

Submitter Information Verification

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Committee: NEC-P16

Limited Energy Task Group [2nd Draft]

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2	Ernie	Gallo	[U/T]	NEBScore	
3	Derrick	Atkins	[L]	Minneapolis Electrical JA	NEC-Correlating Committee CMP 5
4	Anthony	Tassone	[R/T]	UL Solutions	CMP 3 CMP 16
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7	George	Bish	[M]	Amazon/Ring Protect Inc	CMP 16
8	Trevor	Bowmer	[U]	Telecom Consulting	NEC Correlating Committee CMP 16
9	Ronald	Tellas	[M]	CCCA	CMP 3 CMP 16
10	Tim	Mikloiche	[E]	IAEI	CMP 3
11	Ryan	Jackosn	[M]	Steel Tube Industry	CMP 3
12	Diana	Lettkeman	[M]	Dish	CMP 16
13	John	Kacperski	[L]	IBEW	CMP 16



Public Comment No. 830-NFPA 70-2024 [New Section after 805.170]

805.171 Communications Wires.

Communications wires, such as distributing frame wire and jumper wire, shall be listed as being resistant to the spread of fire.

Informational Note No. 1: See UL Flame Exposure, Vertical Flame Tray Test in UL 1685-2015, *Vertical-Tray Fire-Propagation and Smoke-Release Test for Electrical and Optical-Fiber Cables*, for one method of defining *cable flame resistance to the spread of fire* where the cables do not spread fire to the top of the tray. The smoke measurements in the test method are not applicable.

Informational Note No. 2: See CSA Vertical Flame Test — Cables in Cable Trays, as described in CSA C22.2 No. 0.3-09 (R2019), *Test Methods for Electrical Wires and Cables*, for another method of defining *resistance to the spread of fire* is for the damage (char length) of the cable to not exceed 1.5 m (4 ft 11 in.).

Statement of Problem and Substantiation for Public Comment

Listing requirements for communications wires were deleted from Article 800 in order to move them Article 722. However, Article 722 includes limited energy cables only, no wires. This PC restores the listing requirements for communications wires to Chapter 8 so they are not lost. Since The First Revision of Article 800 has no listing requirements, while Article 805 has listing requirements, this PC recommends placing the listing requirements for communications wires in Article 805.

Related Item

- FCR-248

Submitter Information Verification

Submitter Full Name: David Kiddoo

Organization: CCCA

Street Address:

City:

State:

Zip:

Submittal Date: Tue Aug 06 06:09:21 EDT 2024

Committee: NEC-P16



Public Comment No. 675-NFPA 70-2024 [Section No. 805.173]

805.173 Drop Wire and Cable.

Communications wires and cables without a metallic shield, running from the last outdoor support to the primary protector, shall be listed as being suitable for the purpose and shall have current-carrying capacity as specified in 805.90(A)(1)(2) or 805.90(A)(1)(3).

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
CN_376.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 376 appeared in the First Draft Report.

The Correlating Committee directs CMP 5 and CMP 16 to consider if the requirements of 805.173 are more appropriately located in 742.2 as it relates to the primary protector. (Section 805.173 and new Section 742.2)

Related Item

- Correlating Committee Note No. 376

Submitter Information Verification

Submitter Full Name: CC Notes

Organization: NEC Correlating Committee

Street Address:

City:

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Submittal Date: Fri Aug 02 10:53:46 EDT 2024

Committee: NEC-P16



Correlating Committee Note No. 376-NFPA 70-2024 [Section No. 805.173]

Submitter Information Verification

Committee: NEC-AAC

Submittal Date: Fri May 10 10:27:33 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 5 and CMP 16 to consider if the requirements of 805.173 are more appropriately located in 742.2 as it relates to the primary protector. (Section 805.173 and new Section 742.2)

Ballot Results

✓ **This item has passed ballot**

12 Eligible Voters

1 Not Returned

11 Affirmative All

0 Affirmative with Comments

0 Negative with Comments

0 Abstention

Not Returned

McDaniel, Roger D.

Affirmative All

Ayer, Lawrence S.

Bowmer, Trevor N.

Hickman, Palmer L.

Holub, Richard A.

Jackson, Peter D.

Kendall, David H.

Manche, Alan

Osborne, Robert D.

Porter, Christine T.

Schultheis, Timothy James

Williams, David A.



Public Comment No. 1546-NFPA 70-2024 [Section No. 810.3]

810.3– Other Articles:

Wiring from the source of power to and between devices connected to the interior wiring system shall comply with the following:

- (1) Chapters 1 through 4 other than as modified by Article 640 , Parts I and II.
- (2) The appropriate article of Chapter 8 for coaxial cables that connect antennas to equipment.
- (3) The appropriate requirements of Chapter 5 for wiring and equipment installed in hazardous (classified) locations.

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
Limited_Energy_Roster-2026_2nd_Draft.pdf	Limited-Energy Task Group Roster-2nd Draft	

Statement of Problem and Substantiation for Public Comment

This public comment is submitted on behalf of the Limited-Energy Task Group (see attached roster) to delete section 810.3(1)-(3). During the 1st Draft the independence of Chapter 8 was removed, as such the need to reference portions of Chapters 1-8 are no longer necessary as they are already applicable in accordance with 90.3.

Related Item

- FR-7586

Submitter Information Verification

Submitter Full Name: Kyle Krueger

Organization: NECA

Affiliation: NECA

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Submittal Date: Fri Aug 23 17:29:19 EDT 2024

Committee: NEC-P16

Limited Energy Task Group [2nd Draft]

No.	First Name	Last Name	Class.	Organization	Other Committees
1	Kyle	Krueger	[I/M]	NECA	NEC-Correlating Committee CMP 3 NFPA 72-Correlating Committee
2	Ernie	Gallo	[U/T]	NEBScore	
3	Derrick	Atkins	[L]	Minneapolis Electrical JA	NEC-Correlating Committee CMP 5
4	Anthony	Tassone	[R/T]	UL Solutions	CMP 3 CMP 16
5	Chad	Jones	[M]	Cisco	CMP 3
6	Sam	Rokowski	[I/M]	Maddox Inc.	CMP 3
7	George	Bish	[M]	Amazon/Ring Protect Inc	CMP 16
8	Trevor	Bowmer	[U]	Telecom Consulting	NEC Correlating Committee CMP 16
9	Ronald	Tellas	[M]	CCCA	CMP 3 CMP 16
10	Tim	Mikloiche	[E]	IAEI	CMP 3
11	Ryan	Jackosn	[M]	Steel Tube Industry	CMP 3
12	Diana	Lettkeman	[M]	Dish	CMP 16
13	John	Kacperski	[L]	IBEW	CMP 16



Public Comment No. 1547-NFPA 70-2024 [Section No. 810.20]

~~810.20—Antenna Discharge Units—Receiving Stations:~~

~~(A)—General Requirement:~~

~~Each lead-in conductor from an outdoor antenna shall be provided with a listed antenna discharge unit.~~

~~Exception: A separate antenna discharge unit is not required if the lead-in conductors are enclosed in a continuous metal shield that complies with one of the following:~~

- ~~(1) Is grounded or bonded with a conductor in accordance with 810.21~~
- ~~(2) Is protected by an antenna discharge unit~~

~~(B)—Location:~~

~~Antenna discharge units shall be located outside the building or inside the building between the point of entrance of the lead-in and the radio set or transformers and as near as practicable to the entrance of the conductors to the building. The antenna discharge unit shall not be located near combustible material or in a hazardous (classified) location as defined in accordance with 500.5 and 505.5.~~

~~(C)—Grounding or Bonding:~~

~~The antenna discharge unit shall be grounded or bonded in accordance with 810.21.~~

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
Limited_Energy_Roster-2026_2nd_Draft.pdf	Limited-Energy Task Group Roster-2nd Draft	

Statement of Problem and Substantiation for Public Comment

This public comment is submitted on behalf of the Limited-Energy Task Group (see attached roster) to delete section 810.20(A)-(C) as the NEC-AAC submitted FCRs to reorganize all the limited-energy grounding requirements into a new limited-energy grounding requirements Article 750. Section 810.20(A)-(C) should have been deleted as part of this reorganization as the requirements of 810.20(A)-(C) are covered by new Section 750.66(A)-(K). This public comment seeks to delete Section 810.20 as part of this reorganization.

Related Item

- FCR-255

Submitter Information Verification

Submitter Full Name: Kyle Krueger

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Submittal Date: Fri Aug 23 17:30:50 EDT 2024

Committee: NEC-P16

Limited Energy Task Group [2nd Draft]

No.	First Name	Last Name	Class.	Organization	Other Committees
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3	Derrick	Atkins	[L]	Minneapolis Electrical JA	NEC-Correlating Committee CMP 5
4	Anthony	Tassone	[R/T]	UL Solutions	CMP 3 CMP 16
5	Chad	Jones	[M]	Cisco	CMP 3
6	Sam	Rokowski	[I/M]	Maddox Inc.	CMP 3
7	George	Bish	[M]	Amazon/Ring Protect Inc	CMP 16
8	Trevor	Bowmer	[U]	Telecom Consulting	NEC Correlating Committee CMP 16
9	Ronald	Tellas	[M]	CCCA	CMP 3 CMP 16
10	Tim	Mikloiche	[E]	IAEI	CMP 3
11	Ryan	Jackosn	[M]	Steel Tube Industry	CMP 3
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Public Comment No. 939-NFPA 70-2024 [Section No. 810.51]

810.51 Other Sections.

In addition to complying with Part III, antenna systems for amateur and citizen band transmitting and receiving stations shall also comply with 810.11 through 810.45- 14, and 750.60(B).

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
Limited_Energy_Roster-2026_2nd_Draft.pdf	Limited-Energy Task Group Roster-2nd Draft	

Statement of Problem and Substantiation for Public Comment

This public comment is submitted on behalf of the Limited-Energy Task Group (see attached roster) to correct the references in section 810.51 as section 810.15 has been relocated to new section 750.60(B) as such the reference has been updated to reflect the new location and 810.15 has been change 810.14.

Related Item

- FCR-255

Submitter Information Verification

Submitter Full Name: Kyle Krueger

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Submittal Date: Wed Aug 07 17:33:30 EDT 2024

Committee: NEC-P16

Limited Energy Task Group [2nd Draft]

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4	Anthony	Tassone	[R/T]	UL Solutions	CMP 3 CMP 16
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6	Sam	Rokowski	[I/M]	Maddox Inc.	CMP 3
7	George	Bish	[M]	Amazon/Ring Protect Inc	CMP 16
8	Trevor	Bowmer	[U]	Telecom Consulting	NEC Correlating Committee CMP 16
9	Ronald	Tellas	[M]	CCCA	CMP 3 CMP 16
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Public Comment No. 1381-NFPA 70-2024 [Section No. 810.54]

810.54 Clearance on Building.

Antenna conductors for transmitting stations, attached to buildings, shall be firmly mounted at least 75 mm (3 in.) clear of the surface of the building on nonabsorbent insulating supports, such as treated pins or brackets equipped with insulators having not less than 75-mm (3-in.) creepage and airgap distances. Lead-in conductors attached to buildings shall also comply with these requirements.

Exception: If the lead-in conductors are enclosed in a continuous metal shield that is grounded with a conductor in accordance with ~~810~~ 750 .58 70 , they shall not be required to comply with these requirements. If grounded, the metal shield shall also be permitted to be used as a conductor.

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
Limited_Energy_Roster-2026_2nd_Draft.pdf	Limited-Energy Task Group Roster-2nd Draft	

Statement of Problem and Substantiation for Public Comment

This public comment is submitted on behalf of the Limited-Energy Task Group (see attached roster) to correct the reference to 810.58 in section 810.54, Exception. Section 810.58 has been relocated to new section 750.70 as such the reference has been updated to reflect the new location.

Related Item

- FCR-255

Submitter Information Verification

Submitter Full Name: Kyle Krueger

Organization: NECA

Affiliation: NECA

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Submittal Date: Wed Aug 21 16:55:28 EDT 2024

Committee: NEC-P16

Limited Energy Task Group [2nd Draft]

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4	Anthony	Tassone	[R/T]	UL Solutions	CMP 3 CMP 16
5	Chad	Jones	[M]	Cisco	CMP 3
6	Sam	Rokowski	[I/M]	Maddox Inc.	CMP 3
7	George	Bish	[M]	Amazon/Ring Protect Inc	CMP 16
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9	Ronald	Tellas	[M]	CCCA	CMP 3 CMP 16
10	Tim	Mikloiche	[E]	IAEI	CMP 3
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Public Comment No. 1382-NFPA 70-2024 [Section No. 810.55]

810.55 Entrance to Building.

Except where protected with a continuous metallic shield that is grounded with a conductor in accordance with ~~840~~ 750.58 ~~70~~, lead-in conductors for transmitting stations shall enter buildings by one of the following methods:

- (1) Through a rigid, noncombustible, nonabsorbent insulating tube or bushing
- (2) Through an opening provided for the purpose in which the entrance conductors are firmly secured so as to provide a clearance of at least 50 mm (2 in.)
- (3) Through a drilled window pane

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
Limited_Energy_Roster-2026_2nd_Draft.pdf	Limited-Energy Task Group Roster-2nd Draft	

Statement of Problem and Substantiation for Public Comment

This public comment is submitted on behalf of the Limited-Energy Task Group (see attached roster) to correct the reference to 810.58 in section 810.55. Section 810.58 has been relocated to new section 750.70 as such the reference has been updated to reflect the new location.

Related Item

- FCR-255

Submitter Information Verification

Submitter Full Name: Kyle Krueger

Organization: NECA

Affiliation: NECA

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Submittal Date: Wed Aug 21 16:57:03 EDT 2024

Committee: NEC-P16

Limited Energy Task Group [2nd Draft]

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4	Anthony	Tassone	[R/T]	UL Solutions	CMP 3 CMP 16
5	Chad	Jones	[M]	Cisco	CMP 3
6	Sam	Rokowski	[I/M]	Maddox Inc.	CMP 3
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8	Trevor	Bowmer	[U]	Telecom Consulting	NEC Correlating Committee CMP 16
9	Ronald	Tellas	[M]	CCCA	CMP 3 CMP 16
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Public Comment No. 1553-NFPA 70-2024 [Section No. 820.4]

820.4 Other Articles.

The wiring methods of Article 830- ~~shall~~ , Part II shall be permitted to substitute for the wiring methods of this article.

Informational Note: Use of network-powered broadband wiring methods will facilitate the upgrading of installations covered by this article to network-powered broadband applications.

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
Limited_Energy_Roster-2026_2nd_Draft.pdf	Limited-Energy Task Group Roster-2nd Draft	

Statement of Problem and Substantiation for Public Comment

This public comment is submitted on behalf of the Limited-Energy Task Group (see attached roster) to change the reference to the entire Article 830 changing the text to reference Part II of Article 830 to comply with section 2.2 of the NEC Style Manual.

Related Item

- FR-7604

Submitter Information Verification

Submitter Full Name: Kyle Krueger

Organization: NECA

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Submittal Date: Fri Aug 23 17:36:07 EDT 2024

Committee: NEC-P16

Limited Energy Task Group [2nd Draft]

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5	Chad	Jones	[M]	Cisco	CMP 3
6	Sam	Rokowski	[I/M]	Maddox Inc.	CMP 3
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9	Ronald	Tellas	[M]	CCCA	CMP 3 CMP 16
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Public Comment No. 1554-NFPA 70-2024 [Section No. 820.90]

~~820.90— Protection of Coaxial Cables Entering or Attached to Buildings:~~

~~If the outer conductor shield of a coaxial cable is grounded, no other protective devices shall be required (see 750.48).~~

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
Limited_Energy_Roster-2026_2nd_Draft.pdf	Limited-Energy Task Group Roster-2nd Draft	

Statement of Problem and Substantiation for Public Comment

This public comment is submitted on behalf of the Limited-Energy Task Group (see attached roster) to delete 820.90 as it is covered in section 750.48(B).

Related Item

- FCR-412

Submitter Information Verification

Submitter Full Name: Kyle Krueger

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Submittal Date: Fri Aug 23 17:37:32 EDT 2024

Committee: NEC-P16

Limited Energy Task Group [2nd Draft]

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2	Ernie	Gallo	[U/T]	NEBScore	
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4	Anthony	Tassone	[R/T]	UL Solutions	CMP 3 CMP 16
5	Chad	Jones	[M]	Cisco	CMP 3
6	Sam	Rokowski	[I/M]	Maddox Inc.	CMP 3
7	George	Bish	[M]	Amazon/Ring Protect Inc	CMP 16
8	Trevor	Bowmer	[U]	Telecom Consulting	NEC Correlating Committee CMP 16
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11	Ryan	Jackosn	[M]	Steel Tube Industry	CMP 3
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Public Comment No. 663-NFPA 70-2024 [Section No. 830.40(B)]

(B) Low-Power Circuits.

Low-power network-powered broadband communications circuits located outside and entering buildings shall be installed using Type BLU or Type BLX low-power network-powered broadband communications cables. Cables shown in Table ~~800.154(a)~~ 722.122 shall be permitted to substitute.

Statement of Problem and Substantiation for Public Comment

Article 722, Table 722.122 will have the cable substitution requirements. See PC 260.

Related Item

- FCR-233

Submitter Information Verification

Submitter Full Name: David Kiddoo

Organization: CCCA

Affiliation: Communications Cable & Connectivity Association

Street Address:

City:

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Submittal Date: Fri Aug 02 09:48:26 EDT 2024

Committee: NEC-P16



Public Comment No. 942-NFPA 70-2024 [Section No. 840.94]

840.94 – Premises Circuits Leaving the Building:

Where circuits leave the building to power equipment remote to the building or outside the exterior zone of protection defined by a 46 m (150 ft) radius rolling sphere, 805.90 , 800.93(A), 800.93(B)(1), and 800.93(C)(1) shall apply.

Informational Note: See NFPA 780-2026, *Standard for the Installation of Lightning Protection Systems*, for the theory of the term *rolling sphere* .

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
Limited_Energy_Roster-2026_2nd_Draft.pdf	Limited-Energy Task Group Roster-2nd Draft	

Statement of Problem and Substantiation for Public Comment

This public comment is submitted on behalf of the Limited-Energy Task Group (see attached roster) to delete section 840.94. These requirements have been relocated to new article 750 for grounding of limited-energy and communications systems, specifically new section 750.75(A)-(B) and exception. With the removal of Chapter 8's independence, there is no need to re-establish the rules again in Article 840.

Related Item

- FCR-409

Submitter Information Verification

Submitter Full Name: Kyle Krueger

Organization: NECA

Affiliation: NECA

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Submittal Date: Wed Aug 07 17:39:33 EDT 2024

Committee: NEC-P16

Limited Energy Task Group [2nd Draft]

No.	First Name	Last Name	Class.	Organization	Other Committees
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4	Anthony	Tassone	[R/T]	UL Solutions	CMP 3 CMP 16
5	Chad	Jones	[M]	Cisco	CMP 3
6	Sam	Rokowski	[I/M]	Maddox Inc.	CMP 3
7	George	Bish	[M]	Amazon/Ring Protect Inc	CMP 16
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12	Diana	Lettkeman	[M]	Dish	CMP 16
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Public Comment No. 943-NFPA 70-2024 [Section No. 840.101]

~~840.101~~ Premises Circuits Not Leaving the Building:

~~If the network terminal is served by a nonconductive optical fiber cable, or where any non-current-carrying metal member of a conductive optical fiber cable is interrupted by an insulating joint or equivalent device, and circuits that terminate at the network terminal are completely contained within the building (i.e., they do not exit the building), 840.101(A), 840.101(B), or 840.101(C) shall apply, as applicable.~~

~~(A)~~ Coaxial Cable Shield Grounding:

~~The shield of coaxial cable shall be grounded by one of the following:~~

- ~~(1) Any of the methods described in 820.100 or 800.106~~
- ~~(2) A fixed connection to an equipment grounding conductor as described in 250.118~~
- ~~(3) Connection to the network terminal grounding terminal provided that the terminal is connected to ground by one of the methods described in 820.100 or 800.106, or to an equipment grounding conductor through a listed grounding device that will retain the ground connection if the network terminal is unplugged~~

~~(B)~~ Communications Circuit Grounding:

~~Communications circuits shall not be required to be grounded.~~

~~(C)~~ Network Terminal Grounding:

~~The network terminal shall not be required to be grounded unless required by its listing. If the coaxial cable shield is separately grounded as described in 840.101(A)(1) or 840.101(A)(2), the use of a cord and plug for the connection to the network terminal grounding connection shall be permitted.~~

~~Informational Note: If required to be grounded, a listed device that extends the equipment grounding conductor from the receptacle to the network terminal equipment grounding terminal is permitted. Sizing of the extended equipment grounding conductor is covered in Table 250.122(A).~~

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
Limited_Energy_Roster-2026_2nd_Draft.pdf	Limited-Energy Task Group Roster-2nd Draft	

Statement of Problem and Substantiation for Public Comment

This public comment is submitted on behalf of the Limited-Energy Task Group (see attached roster) to delete section 840.101(A)-(C) and associated Informational Note. These requirements have been relocated to new article 750 for grounding of limited-energy and communications systems, specifically new section 750.80(A)-(C). With the removal of Chapter 8's independence, there is no need to re-establish the rules again in Article 840.

Related Item

- FCR-409

Submitter Information Verification

Submitter Full Name: Kyle Krueger

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Submittal Date: Wed Aug 07 17:40:54 EDT 2024

Committee: NEC-P16

Limited Energy Task Group [2nd Draft]

No.	First Name	Last Name	Class.	Organization	Other Committees
1	Kyle	Krueger	[I/M]	NECA	NEC-Correlating Committee CMP 3 NFPA 72-Correlating Committee
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3	Derrick	Atkins	[L]	Minneapolis Electrical JA	NEC-Correlating Committee CMP 5
4	Anthony	Tassone	[R/T]	UL Solutions	CMP 3 CMP 16
5	Chad	Jones	[M]	Cisco	CMP 3
6	Sam	Rokowski	[I/M]	Maddox Inc.	CMP 3
7	George	Bish	[M]	Amazon/Ring Protect Inc	CMP 16
8	Trevor	Bowmer	[U]	Telecom Consulting	NEC Correlating Committee CMP 16
9	Ronald	Tellas	[M]	CCCA	CMP 3 CMP 16
10	Tim	Mikloiche	[E]	IAEI	CMP 3
11	Ryan	Jackosn	[M]	Steel Tube Industry	CMP 3
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Public Comment No. 1552-NFPA 70-2024 [Section No. 840.102]

840.102– Premises Circuits Leaving the Building:

If circuits leave the building to power equipment remote to the building or outside the exterior zone of protection defined by a 46 m (150 ft) radius rolling sphere, the installation of communications wires and cables shall comply with 800.100 and 800.106, and the installation of coaxial cables shall comply with 820.100 and 800.106.

Informational Note: See NFPA 780-2026, *Standard for the Installation of Lightning Protection Systems*, 4.6.3.2 for the application of the term *rolling sphere* :

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
Limited_Energy_Roster-2026_2nd_Draft.pdf	Limited-Energy Task Group Roster-2nd Draft	

Statement of Problem and Substantiation for Public Comment

This public comment is submitted on behalf of the Limited-Energy Task Group (see attached roster) to delete section 840.102 and associated Informational Note. These requirements have been relocated to new article 750 for grounding of limited-energy and communications systems, specifically new section 750.75(A)-(B) and exception. With the removal of Chapter 8's independence, there is no need to re-establish the rules again in Article 840.

Related Item

- FCR-237

Submitter Information Verification

Submitter Full Name: Kyle Krueger

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Submittal Date: Fri Aug 23 17:34:55 EDT 2024

Committee: NEC-P16

Limited Energy Task Group [2nd Draft]

No.	First Name	Last Name	Class.	Organization	Other Committees
1	Kyle	Krueger	[I/M]	NECA	NEC-Correlating Committee CMP 3 NFPA 72-Correlating Committee
2	Ernie	Gallo	[U/T]	NEBScore	
3	Derrick	Atkins	[L]	Minneapolis Electrical JA	NEC-Correlating Committee CMP 5
4	Anthony	Tassone	[R/T]	UL Solutions	CMP 3 CMP 16
5	Chad	Jones	[M]	Cisco	CMP 3
6	Sam	Rokowski	[I/M]	Maddox Inc.	CMP 3
7	George	Bish	[M]	Amazon/Ring Protect Inc	CMP 16
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Public Comment No. 857-NFPA 70-2024 [New Part after I.]

TITLE OF NEW CONTENT

Type your content here ...

805.1 Scope. This article covers....something.

Statement of Problem and Substantiation for Public Comment

I'm sorry that I am of little help here, but the article has to have a scope, otherwise it needs to be deleted.

Related Item

- FCR 254

Submitter Information Verification

Submitter Full Name: Ryan Jackson

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Submittal Date: Tue Aug 06 16:48:30 EDT 2024

Committee: NEC-P16



Public Comment No. 657-NFPA 70-2024 [Part I.]

Part I. General

805.1 Scope.

This article covers communications circuits and equipment.

Statement of Problem and Substantiation for Public Comment

FCR-248 deleted the scope of Article 805. It did not delete all of Article 805. If part of the Article is to remain, it must have a scope.

Related Item

- FCR-248

Submitter Information Verification

Submitter Full Name: David Kiddoo

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Affiliation: Communications Cable & Connectivity Association

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Submittal Date: Fri Aug 02 09:29:47 EDT 2024

Committee: NEC-P16



830.47 Underground Network-Powered Broadband Communications Cables Entering Buildings.

Underground network-powered broadband communications cables entering buildings shall comply with 830.47(A) and 830.47(B).

(A) General.

Direct buried cable, conduit, or other raceways shall be installed to meet the minimum cover requirements of Table 830.47(A).

Table 830.47

(A) Network-Powered Broadband Communications Systems Minimum Cover Requirements.

<u>Location of Wiring Method or Circuit</u>	<u>Direct Burial Cables</u>		<u>Rigid Metal Conduit (RMC) or Intermediate Metal Conduit (IMC)</u>		<u>Nonmetallic Raceways Listed for Direct Burial Without Concrete Encasement or Approved Raceway</u>	
	<u>mm.</u>	<u>in.</u>	<u>mm.</u>	<u>in.</u>	<u>mm.</u>	
<u>All locations not specified below</u>	<u>450</u>	<u>18</u>	<u>150</u>	<u>6</u>	<u>300</u>	
<u>In a trench below 50 mm (2 in.) thick concrete or equivalent</u>	<u>300</u>	<u>12</u>	<u>150</u>	<u>6</u>	<u>150</u>	
<u>Under a building (in raceway only)</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	
<u>Under minimum of 100 mm (4 in.) thick concrete exterior slab with no vehicular traffic and the slab extending not less than 150 mm (6 in.) beyond the underground installation</u>	<u>300</u>	<u>12</u>	<u>100</u>	<u>4</u>	<u>100</u>	
<u>One- and two-family dwelling driveways and outdoor parking areas and used only for dwelling-related purposes</u>	<u>300</u>	<u>12</u>	<u>300</u>	<u>12</u>	<u>300</u>	

Notes:

- (1) Cover is the shortest distance measured between a point on the top surface of any direct-buried cable conduit, or other raceway and the top surface of finished grade, concrete, or similar cover.
- (2) Raceways approved for burial only where concrete encased shall require a concrete envelope not less than 50 mm (2 in.) thick.
- (3) Lesser depths shall be permitted where cables rise for terminations or splices or where access is otherwise required.
- (4) Where solid rock is encountered, all wiring shall be installed in metal or nonmetallic raceway permitted for direct burial.

The raceways shall be covered by a minimum of 50 mm (2 in.) of concrete extending down to rock.

(B) Protection From Physical Damage.

(1) General.

Direct-buried cables emerging from ground shall be protected by enclosures, raceways, or other approved means extending from the minimum cover distance required by Table 830.47(A) below grade to a point at least 2.5m (8ft).

(2) Types BMU and BLU Cables.

Types BMU and BLU direct-buried cables emerging from ground shall be protected in accordance with 830.47(B)(1) by any one of the following methods:

- (1) rigid metal conduit (RMC)
- (2) intermediate metal conduit (IMC)
- (3) rigid nonmetallic conduit
- (4) other approved means

Exception: Protection from physical damage shall not be required if low-powered network-powered broadband communications circuit is equipped with a listed fault protection device that is located on the network side of the network-powered broadband cable being protected and the device is appropriate to the network-powered broadband communication cable used.

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
Limited_Energy_Roster-2026_2nd_Draft.pdf	Limited-Energy Task Group Roster- 2nd Draft	

Statement of Problem and Substantiation for Public Comment

This public comment is submitted on behalf of the Limited-Energy Task Group (see attached roster) to re-establish section and Table 830.47(A) as it was mistakenly deleted by FCR-245 during the NEC-AAC reorganization work done in the 1st draft. Additionally the text has been reformatted inot list format and subsections as there were several requirements in one section.

Related Item

- FCR-245

Submitter Information Verification

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Submittal Date: Mon Aug 26 17:59:15 EDT 2024

Committee: NEC-P16

Limited Energy Task Group [2nd Draft]

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2	Ernie	Gallo	[U/T]	NEBScore	
3	Derrick	Atkins	[L]	Minneapolis Electrical JA	NEC-Correlating Committee CMP 5
4	Anthony	Tassone	[R/T]	UL Solutions	CMP 3 CMP 16
5	Chad	Jones	[M]	Cisco	CMP 3
6	Sam	Rokowski	[I/M]	Maddox Inc.	CMP 3
7	George	Bish	[M]	Amazon/Ring Protect Inc	CMP 16
8	Trevor	Bowmer	[U]	Telecom Consulting	NEC Correlating Committee CMP 16
9	Ronald	Tellas	[M]	CCCA	CMP 3 CMP 16
10	Tim	Mikloiche	[E]	IAEI	CMP 3
11	Ryan	Jackosn	[M]	Steel Tube Industry	CMP 3
12	Diana	Lettkeman	[M]	Dish	CMP 16
13	John	Kacperski	[L]	IBEW	CMP 16



Public Comment No. 672-NFPA 70-2024 [New Part after IV.]

Part VI. Listing Requirements

830.179 Medium-Power Network-Powered Broadband Communications Cables.

Network-powered broadband communications medium-power cables shall be factory-assembled cables consisting of a jacketed coaxial cable, a jacketed combination of coaxial cable and multiple individual conductors, or a jacketed combination of an optical fiber cable and multiple individual conductors. The insulation for the individual conductors shall be rated for 300 volts minimum. Cables intended for outdoor use shall be listed as suitable for the application. Cables shall be marked in accordance with 310.8. Type BMU cables shall be jacketed and listed as being suitable for outdoor underground use.

Statement of Problem and Substantiation for Public Comment

Listing requirements for medium-power network-powered broadband communications cables deleted to move to Article 722. Article 722 covers only limited energy cables. This PC restores medium-power network-powered broadband communications cable listing to Article 830.

Related Item

- FCR-247

Submitter Information Verification

Submitter Full Name: David Kiddoo

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Submittal Date: Fri Aug 02 10:36:47 EDT 2024

Committee: NEC-P16



Public Comment No. 664-NFPA 70-2024 [Part IV.]

Part IV. Installation Methods Within Buildings

830.133 Installation of Network-Powered Broadband Communications Cables and Equipment. Cable and equipment installations within buildings shall comply with 830.133(A) through (C), as applicable.

830.133(A) Separation of Conductors.

830.133(A)(1) In Raceways, Cable Trays, Boxes, Enclosures, and Cable Routing Assemblies.

(a) Low- and Medium-Power Network-Powered Broadband Communications Circuit Cables. Low- and medium-power network-powered broadband communications cables shall be permitted in the same raceway, cable tray, box, enclosure, or cable routing assembly.

(b) Medium-Power Network-Powered Broadband Communications Circuit Cables with Optical Fiber Cables and Other Communications Cables. Medium-power network-powered broadband communications cables shall not be permitted in the same raceway, cable tray, box, enclosure, or cable routing assembly with any of the following wires and cables:

- (1) Communications wires and cables
- (2) Conductive optical fiber cables
- (3) CATV-type coaxial cables

(c) Medium-Power Network-Powered Broadband Communications Circuit Cables with Other Circuits. Medium-power network-powered broadband communications cables shall not be permitted in the same raceway, cable tray, box, enclosure, or cable routing assembly with conductors of any of the following cables:

- (1) Class 2 and Class 3 cables
- (2) Power-limited fire alarm cables

(d) Electric Light, Power, Class 1, Nonpowered Broadband Communications Circuit Cables. Network-powered broadband communications cables shall not be placed in any raceway, cable tray, compartment, outlet box, junction box, or similar fittings with conductors of electric light, power, Class 1, or non-power-limited fire alarm circuit cables.

Exception No. 1: Network-powered broadband communications cables shall be permitted to be placed in a raceway, cable tray, compartment, outlet box, junction box, or similar fittings with conductors of electric light, power, Class 1, or non-power-limited fire alarm circuit cables where all of the conductors of electric light, power, Class 1, non-power-limited fire alarm circuits are separated from all of the network-powered broadband communications cables by a permanent barrier or listed divider.

Exception No. 2: Where power circuit conductors in outlet boxes, junction boxes, or similar fittings or compartments where such conductors are introduced solely for power supply to the network-powered broadband communications system distribution equipment, the power circuit conductors shall be routed within the enclosure to maintain a minimum 6 mm (1/4 in.) separation from network-powered broadband communications cables.

830.133(A)(2) Other Applications. Network-powered broadband communications cables shall be separated at least 50 mm (2 in.) from conductors of any electric light, power, Class 1, and non-power-limited fire alarm circuits.

Exception No. 1: Separation shall not be required where: (1) all of the conductors of electric light, power, Class 1, and non-power-limited fire alarm circuits are in a raceway or in metal-

sheathed, metal-clad, nonmetallic-sheathed, Type AC, or Type UF cables, or (2) all of the network-powered broadband communications cables are encased in a raceway.

Exception No. 2: Separation shall not be required where the network-powered broadband communications cables are permanently separated from the conductors of electric light, power, Class 1, and non-power-limited fire alarm circuits by a continuous and firmly fixed nonconductor, such as porcelain tubes or flexible tubing, in addition to the insulation on the wire.

830.133(B) Support of Network-Powered Broadband Communications Cables. Raceways shall be used for their intended purpose. Network-powered broadband communications cables shall not be strapped, taped, or attached by any means to the exterior of any conduit or raceway as a means of support.

830.133(C) Splicing of Medium-Powered Network-Powered Communications Cables. Where a medium-powered network-powered broadband communications cable is spliced or extended, a listed junction box or listed patch panel shall be used.

Statement of Problem and Substantiation for Public Comment

Requirements for all network-powered broadband communications cables were deleted and moved to Article 722. However, medium-power network-powered broadband communications cables are not limited energy cables; they should have not been deleted from Article 830.

This PC restores medium-power network-powered broadband communications cable installation to Article 830.

Related Item

- FCR-246

Submitter Information Verification

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Submittal Date: Fri Aug 02 10:11:17 EDT 2024

Committee: NEC-P16



Public Comment No. 768-NFPA 70-2024 [Article 770]

~~Article 770~~ Optical Fiber Cables

~~Part I.~~ General

~~770.24~~ Mechanical Execution of Work.

~~(A)~~ General.

~~(1)~~ Supporting.

~~Cables installed exposed on the surface of ceilings and sidewalls shall be supported by the building structure in such a manner that the cable will not be damaged by normal building use.~~

~~(2)~~ Securing.

~~Such cables shall be secured by hardware, including straps, staples, cable ties listed and identified for securement and support, and hangers, or similar fittings, designed and installed so as not to damage the cable. The installation shall also conform to 300.4 and 300.11 :~~

~~(3)~~ Plenum Rated.

~~Plenum cable ties and other nonmetallic cable accessories used to secure and support cables in other spaces used for environmental air (plenums) shall be listed as having low smoke and heat release properties in accordance with 800.170.~~

~~Informational Note No. 1: See ANSI/NECA/FOA 301-2016, *Standard for Installing and Testing Fiber Optic Cables* , ANSI/TIA-568.0-D-2015, *Generic Telecommunications Cabling for Customer Premises* , and ANSI/TIA 568.3-D-2016, *Optical Fiber Cabling and Components Standard* , for accepted industry practices.~~

~~Informational Note No. 2: See NFPA 90A-2024, *Standard for the Installation of Air-Conditioning and Ventilating Systems* , 8.5.5.6 for listing information of discrete combustible components installed in accordance with 300.25(C) :~~

~~Informational Note No. 3: Paint, plaster, cleaners, abrasives, corrosive residues, or other contaminants may result in an undetermined alteration of optical fiber cable properties.~~

~~Part II.~~ Cables Outside and Entering Buildings

Statement of Problem and Substantiation for Public Comment

FCR-255 removed most of Article 770.

770.24(A)(1) is redundant-see 722.30(A)(1)

770.24(A)(2) is redundant-see 722.30(A)(2)

770.24(A)(3) is redundant-see 300.25(C)(3)

If the redundant text is deleted, there is nothing left in Article 770. Therefore delete Article 770.

Related Public Comments for This Document

Related Comment

Public Comment No. 125-NFPA 70-2024 [Article 794]

Public Comment No. 126-NFPA 70-2024 [Article 790]

Relationship

Deletes redundant Article.

Deletes redundant Article.

Related Item

- FCR-255

Submitter Information Verification

Submitter Full Name: David Kiddoo

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Submittal Date: Mon Aug 05 06:57:08 EDT 2024

Committee: NEC-P16

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Public Comment No. 1539-NFPA 70-2024 [Article 770]

~~Article 770~~ Optical Fiber Cables

~~Part I.~~ General

~~770.24~~ Mechanical Execution of Work.

~~(A)~~ General.

~~(1)~~ Supporting.

~~Cables installed exposed on the surface of ceilings and sidewalls shall be supported by the building structure in such a manner that the cable will not be damaged by normal building use.~~

~~(2)~~ Securing.

~~Such cables shall be secured by hardware, including straps, staples, cable ties listed and identified for securement and support, and hangers, or similar fittings, designed and installed so as not to damage the cable. The installation shall also conform to 300.4 and 300.11 :~~

~~(3)~~ Plenum Rated.

~~Plenum cable ties and other nonmetallic cable accessories used to secure and support cables in other spaces used for environmental air (plenums) shall be listed as having low smoke and heat release properties in accordance with 800.170.~~

~~Informational Note No. 1: See ANSI/NECA/FOA 301-2016, *Standard for Installing and Testing Fiber Optic Cables* , ANSI/TIA-568.0-D-2015, *Generic Telecommunications Cabling for Customer Premises* , and ANSI/TIA 568.3-D-2016, *Optical Fiber Cabling and Components Standard* , for accepted industry practices.~~

~~Informational Note No. 2: See NFPA 90A-2024, *Standard for the Installation of Air-Conditioning and Ventilating Systems* , 8.5.5.6 for listing information of discrete combustible components installed in accordance with 300.25(C) :~~

~~Informational Note No. 3: Paint, plaster, cleaners, abrasives, corrosive residues, or other contaminants may result in an undetermined alteration of optical fiber cable properties.~~

~~Part II.~~ Cables Outside and Entering Buildings

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
Limited_Energy_Roster-2026_2nd_Draft.pdf	Limited-Energy Task Group Roster-2nd Draft	✓

Statement of Problem and Substantiation for Public Comment

This public comment is submitted on behalf of the Limited-Energy Task Group (see attached roster) to delete the remaining portion of Article 770. Section 770.24(A)(1)-(3) were not deleted after being relocated to the following section in NEW Articles 720 & 722.

70.24(A)(1) is now covered by 720.30(A) & 722.30(A)(1).

770.24(A)(2) is now covered by 720.19 & 722.30(A)(2).

770.24(A)(3) is now covered by 720.30(G) & 722.30(B).

Related Item

- FCR-226

Submitter Information Verification

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Submittal Date: Fri Aug 23 17:11:05 EDT 2024

Committee: NEC-P16

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Limited Energy Task Group [2nd Draft]

No.	First Name	Last Name	Class.	Organization	Other Committees
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2	Ernie	Gallo	[U/T]	NEBScore	
3	Derrick	Atkins	[L]	Minneapolis Electrical JA	NEC-Correlating Committee CMP 5
4	Anthony	Tassone	[R/T]	UL Solutions	CMP 3 CMP 16
5	Chad	Jones	[M]	Cisco	CMP 3
6	Sam	Rokowski	[I/M]	Maddox Inc.	CMP 3
7	George	Bish	[M]	Amazon/Ring Protect Inc	CMP 16
8	Trevor	Bowmer	[U]	Telecom Consulting	NEC Correlating Committee CMP 16
9	Ronald	Tellas	[M]	CCCA	CMP 3 CMP 16
10	Tim	Mikloiche	[E]	IAEI	CMP 3
11	Ryan	Jackosn	[M]	Steel Tube Industry	CMP 3
12	Diana	Lettkeman	[M]	Dish	CMP 16
13	John	Kacperski	[L]	IBEW	CMP 16



Public Comment No. 327-NFPA 70-2024 [Global Input]

CMP 1 has deleted the definition for “In Sight From”, and the requirements that were part of that definition are now located in 110.29. This global Correlating Committee Note directs all CMP’s to review occurrences of the phrase “in sight from”, “within sight from”, and “within sight” and consider whether references to 110.29 or 110.39 should be included.

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
CN_26.pdf	NEC_CN26	✓

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 26 appeared in the First Draft Report on First Revision No. 9187.

CMP 1 has deleted the definition for “In Sight From”, and the requirements that were part of that definition are now located in 110.29. This global Correlating Committee Note directs all CMP’s to review occurrences of the phrase “in sight from”, “within sight from”, and “within sight” and consider whether references to 110.29 or 110.39 should be included.

Related Item

- First Revision No. 9187

Submitter Information Verification

Submitter Full Name: CC Notes

Organization: NEC Correlating Committee

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Submittal Date: Mon Jul 29 17:05:29 EDT 2024

Committee: NEC-P01

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Correlating Committee Note No. 26-NFPA 70-2024 [Global Input]

Submitter Information Verification

Committee: NEC-AAC

Submittal Date: Tue May 07 14:23:07 EDT 2024

Committee Statement and Meeting Notes

Committee Statement: CMP 1 has deleted the definition for “In Sight From”, and the requirements that were part of that definition are now located in 110.29. This global Correlating Committee Note directs all CMP’s to review occurrences of the phrase “in sight from”, “within sight from”, and “within sight” and consider whether references to 110.29 or 110.39 should be included.

First Revision No. 9187-NFPA 70-2024 [Section No. 225.41]

Ballot Results

✔ **This item has passed ballot**

12 Eligible Voters

1 Not Returned

11 Affirmative All

0 Affirmative with Comments

0 Negative with Comments

0 Abstention

Not Returned

McDaniel, Roger D.

Affirmative All

Ayer, Lawrence S.

Bowmer, Trevor N.

Hickman, Palmer L.

Holub, Richard A.

Jackson, Peter D.

Kendall, David H.

Manche, Alan

Osborne, Robert D.

Porter, Christine T.

Schultheis, Timothy James

Williams, David A.



Public Comment No. 443-NFPA 70-2024 [Global Input]

The Correlating Committee directs all Code-Making Panels to verify cross-references to Article 200 are accurate due to the renumbering of the article.

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
CN_84.pdf		✓

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 84 appeared in the First Draft Report.

The Correlating Committee directs all Code-Making Panels to verify cross-references to Article 200 are accurate due to the renumbering of the article.

Related Item

- Correlating Committee Note No. 84

Submitter Information Verification

Submitter Full Name: CC Notes

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Submittal Date: Tue Jul 30 17:35:49 EDT 2024

Committee: NEC-P05

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Correlating Committee Note No. 84-NFPA 70-2024 [Global Input]

Submitter Information Verification

Committee: NEC-AAC

Submittal Date: Wed May 08 08:49:53 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs all Code-Making Panels to verify cross-references to Article 200 are accurate due to the renumbering of the article.

Ballot Results

✓ **This item has passed ballot**

12 Eligible Voters

1 Not Returned

11 Affirmative All

0 Affirmative with Comments

0 Negative with Comments

0 Abstention

Not Returned

McDaniel, Roger D.

Affirmative All

Ayer, Lawrence S.

Bowmer, Trevor N.

Hickman, Palmer L.

Holub, Richard A.

Jackson, Peter D.

Kendall, David H.

Manche, Alan

Osborne, Robert D.

Porter, Christine T.

Schultheis, Timothy James

Williams, David A.



Public Comment No. 504-NFPA 70-2024 [Global Input]

The Correlating Committee directs the CMPs to review the revision of the title of Article 406 (Wiring Devices) and the new definition for the term "wiring device" in Article 100 for correlation of existing terminology using the newly define term in their articles.

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
CN_157.pdf		✓

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 157 appeared in the First Draft Report on First Revision No. 7965.

The Correlating Committee directs the CMPs to review the revision of the title of Article 406 (Wiring Devices) and the new definition for the term "wiring device" in Article 100 for correlation of existing terminology using the newly define term in their articles.

Related Item

- First Revision No. 7965

Submitter Information Verification

Submitter Full Name: CC Notes

Organization: NEC Correlating Committee

Street Address:

City:

State:

Zip:

Submittal Date: Tue Jul 30 22:29:14 EDT 2024

Committee: NEC-P18

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Correlating Committee Note No. 157-NFPA 70-2024 [Global Input]

Submitter Information Verification

Committee: NEC-AAC

Submittal Date: Thu May 09 08:59:03 EDT 2024

Committee Statement and Meeting Notes

Committee Statement: The Correlating Committee directs the CMPs to review the revision of the title of Article 406 (Wiring Devices) and the new definition for the term "wiring device" in Article 100 for correlation of existing terminology using the newly define term in their articles.

First Revision No. 7965-NFPA 70-2024 [New Definition after Definition: Wireways, Nonmetallic..(No...]

Ballot Results

✔ This item has passed ballot

12 Eligible Voters

1 Not Returned

11 Affirmative All

0 Affirmative with Comments

0 Negative with Comments

0 Abstention

Not Returned

McDaniel, Roger D.

Affirmative All

Ayer, Lawrence S.

Bowmer, Trevor N.

Hickman, Palmer L.

Holub, Richard A.

Jackson, Peter D.

Kendall, David H.

Manche, Alan

Osborne, Robert D.

Porter, Christine T.

Schultheis, Timothy James

Williams, David A.



Public Comment No. 527-NFPA 70-2024 [Global Input]

The CMPs are directed to review references to Article 220 in the articles under their purview and make necessary revisions based on Article 220 being relocated to Article 120.

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
CN_212.pdf		✓

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 212 appeared in the First Draft Report.

The CMPs are directed to review references to Article 220 in the articles under their purview and make necessary revisions based on Article 220 being relocated to Article 120.

Related Item

- Correlating Committee Note No. 212

Submitter Information Verification

Submitter Full Name: CC Notes

Organization: NEC Correlating Committee

Street Address:

City:

State:

Zip:

Submittal Date: Tue Jul 30 23:08:41 EDT 2024

Committee: NEC-P02

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Correlating Committee Note No. 212-NFPA 70-2024 [Global Input]

Submitter Information Verification

Committee: NEC-AAC

Submittal Date: Thu May 09 11:53:08 EDT 2024

Committee Statement and Meeting Notes

Committee Statement: The CMPs are directed to review references to Article 220 in the articles under their purview and make necessary revisions based on Article 220 being relocated to Article 120.

Ballot Results

✔ This item has passed ballot

12 Eligible Voters

1 Not Returned

11 Affirmative All

0 Affirmative with Comments

0 Negative with Comments

0 Abstention

Not Returned

McDaniel, Roger D.

Affirmative All

Ayer, Lawrence S.

Bowmer, Trevor N.

Hickman, Palmer L.

Holub, Richard A.

Jackson, Peter D.

Kendall, David H.

Manche, Alan

Osborne, Robert D.

Porter, Christine T.

Schultheis, Timothy James

Williams, David A.



Public Comment No. 542-NFPA 70-2024 [Global Input]

The Correlating Committee directs the CMPs to review all references to requirements in Chapters 7 & 8 for accuracy in light of the relocation of requirements occurring in the First Draft.

Additional Proposed Changes

<u>File Name</u>	<u>Description</u>	<u>Approved</u>
CN_401.pdf		✓

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 401 appeared in the First Draft Report.

The Correlating Committee directs the CMPs to review all references to requirements in Chapters 7 & 8 for accuracy in light of the relocation of requirements occurring in the First Draft.

Related Item

- Correlating Committee Note No. 401

Submitter Information Verification

Submitter Full Name: CC Notes

Organization: NEC Correlating Committee

Street Address:

City:

State:

Zip:

Submittal Date: Tue Jul 30 23:39:04 EDT 2024

Committee: NEC-P03

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Correlating Committee Note No. 401-NFPA 70-2024 [Global Input]

Submitter Information Verification

Committee: NEC-AAC

Submittal Date: Fri May 10 12:35:51 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs the CMPs to review all references to requirements in Chapters 7 & 8 for accuracy in light of the relocation of requirements occurring in the First Draft.

Ballot Results

✓ **This item has passed ballot**

12 Eligible Voters

1 Not Returned

11 Affirmative All

0 Affirmative with Comments

0 Negative with Comments

0 Abstention

Not Returned

McDaniel, Roger D.

Affirmative All

Ayer, Lawrence S.

Bowmer, Trevor N.

Hickman, Palmer L.

Holub, Richard A.

Jackson, Peter D.

Kendall, David H.

Manche, Alan

Osborne, Robert D.

Porter, Christine T.

Schultheis, Timothy James

Williams, David A.

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