Public Comment No. 1648-NFPA 70-2024 [Global Input]

This Global Public Comment is for CMP-8 to review the use of the terms "overcurrent", "overcurrent protective devices" and "overcurrent protection".

Additional Proposed Changes

File Name	Description	Approved
CMP-8_OCPD_TG-4_CMP-10.pdf	CMP-8_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

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Committee: NEC-P08

CMP-10 TG-4 Review of Overcurrent Language for the Articles undeer 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 undeer 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 undeer 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 undeer 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 undeer 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 undeer 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 undeer 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 undeer 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 undeer 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 undeer 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 undeer 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

CMP-10 TG-4 Review of Overcurrent Language for the Articles undeer 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	Branc-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 OCDP
	430.62(A)Ex.2	Overcurrent Protection	Fine as is
	430.62(B)	Feeder Overcurrent protective device	Feeder OCDP
	430.63Ex.	Feeder Overcurrent device	Feeder OCDP
	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 undeer 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 undeer 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 undeer 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 undeer 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 undeer 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 undeer 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. 139-NFPA 70-2024 [Section No. 312.3]

312.3 Reconditioned Equipment.

Reconditioned cabinets, cutout boxes, and meter socket enclosures shall not be permitted to be installed .

Statement of Problem and Substantiation for Public Comment

This change is in line with wording in other parts of the code. The code relates to the installation of equipment, not the reconditioning of equipment. If a manufacturer wants to recondition equipment for non-NEC purposes they can do that, but it just cannot be installed in an NEC covered installation.

Related Item

• FR-7889

Submitter Information Verification

Submitter Full Name: Jesse Duvuvei
Organization: North Strabane Township
Street Address:
City:
State:
Zip:

Submittal Date: Mon Jul 22 08:56:05 EDT 2024
Committee: NEC-P08

Public Comment No. 591-NFPA 70-2024 [Section No. 312.8(A)]

(A) Openings to Be Closed.

Openings through which conductors, cables, or raceways enter shall be effectively closed.

Additional Proposed Changes

File Name	Description	Approved
CN_288.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 288 appeared in the First Draft Report on First Revision No. 7877.

The Correlating Committee directs CMP 8 to review the term “effectively”. This term is unenforceable and is not compliant with NEC Style Manual Section 3.2.1.

Related Item

• First Revision No. 7877

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 20:21:55 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 288-NFPA 70-2024 [Section No. 312.8(A)]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 22:47:39 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the term “effectively”. This term is unenforceable and is not compliant with NEC Style Manual Section 3.2.1.

First Revision No. 7877-NFPA 70-2024 [Section No. 312.5(A)]

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. 732-NFPA 70-2024 [Section No. 312.8(C)]

(C) Cables.

Where a cable ~~wiring method~~ is used, each cable shall be secured to the cabinet, cutout box, or meter socket enclosure.

Exception No. 1: Cables with entirely nonmetallic sheaths shall be permitted to enter the top of a surface-mounted enclosure through one or more nonflexible raceways not less than 450 mm (18 in.) and not more than 3.0 m (10 ft) in length, if all of the following conditions are met:

(1) Each cable is fastened within 300 mm (12 in.), measured along the sheath, of the outer end of the raceway.

(2) The raceway extends directly above the enclosure and does not penetrate a structural ceiling.

(3) A fitting is provided on each end of the raceway to protect the cable(s) from abrasion and the fittings remain accessible after installation.

(4) The raceway is sealed or plugged at the outer end using approved means so as to prevent access to the enclosure through the raceway.

(5) The cable sheath is continuous through the raceway and extends into the enclosure beyond the fitting not less than 6 mm (¼ in.).

(6) The raceway is fastened at its outer end and at other points in accordance with the applicable article.

(7) Where installed as conduit or tubing, the cable fill does not exceed the amount that would be permitted for complete conduit or tubing systems by Chapter 9, Table 1 and all applicable notes thereto. Note 2 of the Chapter 9 tables does not apply to this condition.

Informational Note: See Chapter 9, Table 1, including Note 9, for allowable cable fill in circular raceways. See 310.15(C)(1) for required ampacity reductions for multiple cables installed in a common raceway.

Exception No. 2: Single conductors and multiconductor cables shall be permitted to enter enclosures in accordance with 392.46(A) or 392.46(B).

Exception No. 3: Cables installed in a complete raceway system shall not be required to be secured to enclosures.

Statement of Problem and Substantiation for Public Comment

The intent of the First Revision is admirable, but it falls short. The panel statement indicates that this section does not apply to cables in a raceway, but the changes made in the First Draft do not indicate that intent. If I have a cable in a raceway, it is still a cable wiring method.
Although the Style Manual prefers positive language over exceptions, this is an example of where an exception would make more sense than a change to the postitive language.

Related Item

• FR 7879

Submitter Information Verification

Submitter Full Name: Ryan Jackson
Organization: Self-employed

Street Address:
City:
State:
Zip:
Submittal Date: Sun Aug 04 12:52:52 EDT 2024
Committee: NEC-P08

Public Comment No. 1824-NFPA 70-2024 [Section No. 312.11(A)]

(A) Splices, Taps, and Feed-Through Conductors.

The wiring space of enclosures for switches or overcurrent devices shall be permitted for conductors feeding through, spliced, or tapping off to other enclosures, switches, or overcurrent devices where all of the following conditions are met:

(1) The total of all conductors installed at any cross section of the wiring space does not exceed 40 percent of the cross-sectional area of that space.

(2) The total area of all conductors, splices, and taps installed at any cross section of the wiring space does not exceed 75 percent of the cross-sectional area of that space.

(3) The bending space for conductors 4 AWG and larger complies with 314.28(A)(2).

(4) A warning label complying with 110.21(B) is applied to the enclosure that identifies the closest disconnecting means for any feed-through conductors.

(5) The service conductors are ~~not~~ located within the service ~~conductors.~~

~~The wiring space of enclosures for meter sockets shall not contain conductors feeding through or tapping off to other enclosures, switches, or overcurrent devices. This requirement shall not preclude conductors terminating to the meter socket.~~

(1) equipment.

Statement of Problem and Substantiation for Public Comment

Section 312.11(A) permits feeding through, splicing, or tapping in the wiring space of enclosures for switches or overcurrent devices where five conditions are met.

The first draft language which added the fifth condition inadvertently prohibits many installations today where service conductors are spliced or tapped in enclosures for switches or overcurrent devices to connect PV installations. The requirements go beyond the intent of the change, which was to “clarify that service conductors are not permitted to run through other enclosures located prior to the service entrance enclosure”. While we agree with the panels intent to address feedthrough service conductors in the non-service enclosure, the proposed language is overly restrictive.

To clarify the requirement, we recommend replacing the new condition (5) with the language shown. The additional two new sentences that were added related to meter sockets are out of scope for 312.11(A), which addresses enclosures for switches or overcurrent devices, not meter sockets, and are not necessary.

The resulting language would clarify the five conditions necessary to permit the wiring space of enclosures for switches or overcurrent devices to be used for conductors feeding through, spliced, or tapping off to other equipment.

Related Item

• FR 7884

Submitter Information Verification

Submitter Full Name: Keith Waters
Organization: Schneider Electric
Street Address:

City:
State:
Zip:
Submittal Date: Tue Aug 27 15:38:08 EDT 2024
Committee: NEC-P08

Public Comment No. 593-NFPA 70-2024 [Section No. 312.11(A)]

(A) Splices, Taps, and Feed-Through Conductors.

The wiring space of enclosures for switches or overcurrent devices shall be permitted for conductors feeding through, spliced, or tapping off to other enclosures, switches, or overcurrent devices where all of the following conditions are met:

(1) The total of all conductors installed at any cross section of the wiring space does not exceed 40 percent of the cross-sectional area of that space.

(2) The total area of all conductors, splices, and taps installed at any cross section of the wiring space does not exceed 75 percent of the cross-sectional area of that space.

(3) The bending space for conductors 4 AWG and larger complies with 314.28(A)(2).

(4) A warning label complying with 110.21(B) is applied to the enclosure that identifies the closest disconnecting means for any feed-through conductors.

(5) The conductors are not service conductors.

The wiring space of enclosures for meter sockets shall not contain conductors feeding through or tapping off to other enclosures, switches, or overcurrent devices. This requirement shall not preclude conductors terminating to the meter socket.

Additional Proposed Changes

File Name	Description	Approved
CN_290.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 290 appeared in the First Draft Report on First Revision No. 7884.

The Correlating Committee directs CMP 8 to review First Revision 7884 with CMP- 10 and CMP-4 to confirm there is correlation with 230.33 and 705.11(C)(1)(2) and
(3).

Related Item

• First Revision No. 7884

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 20:26:54 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 290-NFPA 70-2024 [Section No. 312.11(A)]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 22:51:52 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review First Revision 7884 with CMP-10 and CMP-4 to confirm there is correlation with 230.33 and 705.11(C)(1)(2) and (3).

First Revision No. 7884-NFPA 70-2024 [Section No. 312.8(A)]

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. 89-NFPA 70-2024 [Section No. 312.11(A)]

(A) Splices, Taps, and Feed-Through Conductors.

The wiring space of enclosures for switches or overcurrent devices shall be permitted for conductors feeding through, spliced, or tapping off to other enclosures, switches, or overcurrent devices where all of the following conditions are met:

(1) The total of all conductors installed at any cross section of the wiring space does not exceed 40 percent of the cross-sectional area of that space.

(2) The total area of all conductors, splices, and taps installed at any cross section of the wiring space does not exceed 75 percent of the cross-sectional area of that space.

(3) The bending space for conductors 4 AWG and larger complies with 314.28(A)(2).

(4) A warning label complying with 110.21(B) is applied to the enclosure that identifies the closest disconnecting means for any feed-through conductors.

The

~~conductors are not service conductors.~~

~~The~~ wiring space of enclosures for meter sockets shall not contain conductors feeding through or tapping off to other enclosures, switches, or overcurrent devices. This requirement shall not preclude conductors terminating to the meter socket.

Statement of Problem and Substantiation for Public Comment

Once again TerraView does not work as it should. This PC is to delete new list item (5)

The prohibition on tapping service conductors in a panelboard enclosure would make installing line side taps for solar systems much more difficult. Most often the service equipment is the only place that a line side connection can be made without adding an additional enclosure. Also the substantiation for the change does not even address a tap.

Related Item

• Public Input No. 3003-NFPA 70-2023

Submitter Information Verification

Submitter Full Name: Don Ganiere
Organization: none
Street Address:
City:
State:
Zip:
Submittal Date: Tue Jul 16 15:45:09 EDT 2024
Committee: NEC-P08

Public Comment No. 596-NFPA 70-2024 [Section No. 314.2]

314.2 Listing.

The equipment specified in 314.2(A) through 314.2(H) shall be listed and installed in accordance with the applicable requirements in this article.

(A) Extenders.

Extenders for device boxes shall be listed.

(B) Drain Fittings.

Drain fittings larger than 6 mm (¼ in.) shall be listed.

(C) Floor Boxes.

(1) General.

Floor box assemblies shall be listed.

(2) Show Windows.

Receptacles and covers shall be listed as an assembly for installation in show windows.

(D) Outlet Boxes for Ceiling-Suspended (Paddle) Fans.

Outlet boxes for ceiling-suspended (paddle) fans shall be listed for fan support.

(E) Reduced Dimension Boxes and Conduit Bodies.

Boxes and conduit bodies having reduced dimensions from code requirements shall be listed and marked with the allowable fill.

(F) Underground Boxes and Handhole Enclosures.

Underground boxes and handhole enclosures that are permitted to be covered by gravel, light aggregate, or noncohesive granulated soil shall be listed.

(G) Reduced Wall Boxes and Conduit Bodies.

Boxes and conduit bodies having reduced wall thickness from code requirements shall be listed.

(H) Box or Conduit Body Covers.

(1) Different Materials.

Covers made from different materials than boxes or conduit bodies shall be listed.

(2) Metal Covers.

Metal covers of thinner construction than boxes or conduit bodies on which they are installed shall be listed.

Additional Proposed Changes

File Name	Description	Approved
CN_293.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 293 appeared in the First Draft Report on First Revision No. 7638.

The Correlating Committee directs CMP 8 to review the language used for Reconditioned Equipment

base on the Correlating Committee Useability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7638

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 20:34:27 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 293-NFPA 70-2024 [Section No. 314.2]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:03:21 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for Reconditioned Equipment base on the Correlating Committee Useability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7638-NFPA 70-2024 [New Section after 314.2]

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. 1175-NFPA 70-2024 [Section No. 314.2(C)]

(C) Floor Boxes.

(1) General.

Floor boxes and floor box ~~assemblies shall~~ covers shall be listed.

(2) Show Windows.

Receptacles and covers shall be listed as an assembly for installation(s) in the floor of show windows.

Statement of Problem and Substantiation for Public Comment

This public comment seeks to correct what seems to have been unintended consequences when the section was rewritten for NEC Style Manual compliance.

For the revision in C(1), the revised requirement mandates floor boxes and covers be a listed assembly. These products are individually listed and have been for decades. The revised wording would indicate the only allowance would be a listed assembly. The revision clarifies the existing listing program for these products.

For the revision in C(2), this revises the words to match the installation described in the original 2023 exception. Not all show window receptacles are installed in the floor of a show window. The 2023 Exception described that condition which was lost in the First Revision. Receptacles may be installed in the area around a show window and “ordinary” outlet boxes and covers can safely be used.

Related Item

• FR7564

Submitter Information Verification

Submitter Full Name: Megan Hayes
Organization: NEMA
Street Address:
City:
State:
Zip:

Submittal Date: Fri Aug 16 11:56:22 EDT 2024
Committee: NEC-P08

Public Comment No. 2009-NFPA 70-2024 [Section No. 314.2(D)]

(D) Outlet Boxes for Ceiling-Suspended (Paddle) Fans.

Outlet boxes ~~for~~ used to provide the mechanical support of ceiling-suspended (paddle) fans shall be listed for fan support.

Statement of Problem and Substantiation for Public Comment

The requirement as written is tantamount to requiring a ceiling box that provides for energizing a paddle fan but that does not furnish any mechanical support for that fan to nevertheless be listed for fan support. This turns this requirement, as written since the 1987 edition, on its head with no substantiation. It also conflicts with the first draft text on this topic in 314.27(C), which is correct.

Related Item

• First draft revision FR7555

Submitter Information Verification

Submitter Full Name: Frederic Hartwell
Organization: Hartwell Electrical Services,
Street Address:
City:
State:
Zip:

Submittal Date: Wed Aug 28 15:19:40 EDT 2024
Committee: NEC-P08

Public Comment No. 2015-NFPA 70-2024 [Section No. 314.2(G)]

(G) Reduced Wall Boxes and Conduit Bodies.

Boxes and conduit bodies having reduced wall thickness from code requirements shall be listed as having equivalent strength and characteristics ..

Statement of Problem and Substantiation for Public Comment

The first draft is an attempt to relocate 314.100 Ex. 1, but it lacks the required parameters.

Related Item

• first draft revision

Submitter Information Verification

Submitter Full Name: Frederic Hartwell
Organization: Hartwell Electrical Services,
Street Address:
City:
State:
Zip:

Submittal Date: Wed Aug 28 15:36:42 EDT 2024
Committee: NEC-P08

Public Comment No. 30-NFPA 70-2024 [Section No. 314.2 [Excluding any Sub-Sections]]

The equipment specified in 314.2(A) through 314.2(H) shall be listed~~- and installed in accordance with the applicable requirements in this article~~ .

Statement of Problem and Substantiation for Public Comment

This PC proposes to remove superfluous language. Mandatory installation requirements throughout the article require the equipment to be installed accordingly.

Related Item

• FR 7564

Submitter Information Verification

Submitter Full Name: Vincent Della Croce
Organization: Siemens
Street Address:
City:
State:
Zip:

Submittal Date: Wed Jul 10 18:45:35 EDT 2024
Committee: NEC-P08

Public Comment No. 1399-NFPA 70-2024 [Section No. 314.16(B)(4)]

(4) Device or Equipment Fill.

For each yoke or strap containing one or more devices or equipment, a double volume allowance in accordance with Table 314.16(B)(4) shall be made for each yoke or strap based on the largest conductor connected to a device(s) or equipment supported by that yoke or strap. Devices or utilization equipment wider than a single 50 mm (2 in.) device box as described in Table 314.16(A) shall have double volume allowances provided for each gang required for mounting.GFCI and Smart Devices shall have a triple volume allowance based on the largest conductor attached to the device.

Informational Note: See 314.24(B)for additional information on minimum box depth.

Table 314.16(B)(4) Volume Allowance Required per Conductor

Size of Conductor (AWG)	Free Space Within Box for Each Conductor	
	cm^3	$in.^3$
18	24.6	1.50
16	28.7	1.75
14	32.8	2.00
12	36.9	2.25
10	41.0	2.50
8	49.2	3.00
6	81.9	5.00

Statement of Problem and Substantiation for Public Comment

From the Panel statement this Article has not changed since the 1990's . Many new types of devices have been introduced since then and many are a lot bigger in volume. The purpose of having Cod Panels is to make necessary changes as thing evolve in the electrical industry. Although enforcement may not be possible in all cases it would be enforceable if the device is specified . As per Smart Device not having a definition many things used in the NEC are not defined but are commonly and widely known.

Related Item

• PIB 1452-NFPA 70-2023

Submitter Information Verification

Submitter Full Name: George Tidden
Organization: IES Residential
Affiliation: IEC
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 22 09:17:46 EDT 2024
Committee: NEC-P08

Public Comment No. 592-NFPA 70-2024 [Section No. 314.17(A)]

(A) Openings to Be Closed.

Openings through which conductors, cables, or raceways enter shall be effectively closed.

Additional Proposed Changes

File Name	Description	Approved
CN_289.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 289 appeared in the First Draft Report on First Revision No. 7960.

The Correlating Committee directs CMP 8 to review the term “effectively”. This term is unenforceable and is not compliant with section 3.2.1 of the NEC Style Manual.

Related Item

- First Revision No. 7960

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 20:24:11 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 289-NFPA 70-2024 [Section No. 314.17(A)]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 22:49:44 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the term “effectively”. This term is unenforceable and is not compliant with section 3.2.1 of the NEC Style Manual.

First Revision No. 7960-NFPA 70-2024 [Section No. 314.17(A)]

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. 1629-NFPA 70-2024 [Section No. 314.20(A)]

(A) Noncombustible Materials.

Installations within or behind surfaces of concrete, tile, gypsum, plaster, or other noncombustible material, including boxes employing flush-type covers or faceplates, shall be made so that the front edge of the boxes, plaster rings, extension rings, or listed extenders will not be set back ~~on~~ from the finished surfaces more than 6 mm (¼ in.).

Statement of Problem and Substantiation for Public Comment

The word "on" does not seem to apply to what this section is requiring. I appears to me that the correct would is from.

Related Item

• First Revision No. 7531-NFPA 70-2024

Submitter Information Verification

Submitter Full Name: Don Ganiere
Organization: none
Street Address:
City:
State:
Zip:

Submittal Date: Sun Aug 25 13:58:46 EDT 2024
Committee: NEC-P08

Public Comment No. 1821-NFPA 70-2024 [Section No. 314.22]

314.22 Surface Extensions.

(1) Surface extensions shall be made by mounting and mechanically securing

~~an~~

(1) a single extension ring over the box. Multiple extension rings shall not be permitted. Equipment grounding shall be in accordance with Article 250, Part VI.

Exception: A surface extension shall be permitted to be made from the cover of a box where the cover is designed so it is unlikely to fall off or be removed if its securing means becomes loose. The wiring method shall be flexible for an approved length that permits removal of the cover and provides access to the box interior and be arranged so that any grounding continuity is independent of the connection between the box and cover.

Additional Proposed Changes

File Name	Description	Approved
Pub._Comment_No.1821-NFPA_70-2024_Section_No._314.22_.pdf	View of Legislative Text	

Statement of Problem and Substantiation for Public Comment

Public Input No.4413 should have been accepted. The present language in this section appears to permit a "single" extension ring to be added. If more than one ring is, in fact, permitted, then suggest the language be revised to so state. There has been, and will likely continue to be, confusion as to how to cite and enforce this particular code section, as presently written.

Please consider that as more extension rings are added to a junction box, access to conductors in the junction box becomes increasingly difficult. The code language presently needs revision to emphasize the original intent of this section.

Consider, for example, a 4"x 4" junction box with one extension ring installed. Access to the junction box interior, and its conductors, is fairly easy.
Now, consider the same 4"x 4" junction box with 2, 3, or 4 extension rings installed. Access to the interior of the junction box is difficult to impossible.

Related Item

• Public Input No.4413

Submitter Information Verification

Submitter Full Name: Peter Noval Jr
Organization: Noval Jr
Street Address:
City:
State:
Zip:
Submittal Date: Tue Aug 27 15:16:41 EDT 2024
Committee: NEC-P08

Public Comment No. 1821-NFPA 70-2024 [Section No. 314.22]

314.22 Surface Extensions.

(1) Surface extensions shall be made by mounting and mechanically securing a single extension ring over the box. Multiple extension rings shall not be permitted. Equipment grounding shall be in accordance with Article 250, Part VI.

Exception: A surface extension shall be permitted to be made from the cover of a box where the cover is designed so it is unlikely to fall off or be removed if its securing means becomes loose. The wiring method shall be flexible for an approved length that permits removal of the cover and provides access to the box interior and be arranged so that any grounding continuity is independent of the connection between the box and cover.

PLEASE SEE ATTACHED

Statement of Problem and Substantiation for Public Comment

Submitter Information Verification

This PC has not been submitted yet

8/28/2024

Public Comment No.1821-NFPA 70-2024(Section No.314.22)

Revise text to read:

314.22 Surface Extensions

(1) Surface extensions shall be made by mounting and mechanically securing ~~an~~ a single extension ring over the box. Multiple extension rings shall not be permitted. Equipment grounding shall be in accordance with Part VI of Article 250.

Exception: A surface extension shall be permitted to be made from the cover of a box where the cover is designed so it is unlikely to fall off or be removed if its securing means becomes loose. The wiring method shall be flexible for an approved length that permits removal of the cover and provides access to the box interior and shall be arranged so that any grounding continuity is independent of the connection between the box and cover.

Statement of Problem and Substantiation for Public Comment:

Public Input No.4413 should have been accepted. The present language in this section appears to permit a single extension ring to be added. If more than one ring is, in fact, permitted, then suggest the language be revised to so state. There has been, and will likely continue to be, confusion as to how to cite and enforce this particular code section, as presently written.

Please consider that as more extension rings are added to a junction box, access to conductors in the junction box becomes increasingly difficult. The code language presently needs revision to emphasize the original intent of this section.

Public Comment No.1821-NFPA 70-2024(Section 314.22) (cont'd)

Consider, for example, a 4"x 4" junction box with one extension ring installed. Access to the junction box interior, and its conductors, is fairly easy.

Now, consider the same 4"x 4" junction box with 2, 3, or 4 extension rings installed. Access to the interior of the junction box is difficult to impossible.

Public Comment No. 91-NFPA 70-2024 [Section No. 314.23(A)]

(A) Surface Mounting.

(1) An enclosure mounted on a building or other surface shall be rigidly and securely fastened in place. If the surface does not provide rigid and secure support, additional support in accordance with this section shall be provided.

(2) An enclosure shall not be permitted to be mounted to vegetation.

Additional Proposed Changes

File Name	Description	Approved
Picture1.svg	Photo of an enclosure mounted to vegetation after seven years.	

Statement of Problem and Substantiation for Public Comment

Enclosures secured to vegetation are subject to plant trunk growth which create an unstable surface for the box to be supported. In the photo, you'll witness (at my home) a box that was secured to a tree and this is the result 7 years later. Clearly this should not be permitted. Other NEC rules that prohibit the use of vegetation include, feeder conductors 225.26, service conductors 230.10, and temporary wiring 590.4(J).

Related Item

- 2199

Submitter Information Verification

Submitter Full Name: Mike Holt
Organization: Mike Holt Enterprises Inc
Street Address:
City:
State:
Zip:

Submittal Date: Tue Jul 16 17:52:25 EDT 2024
Committee: NEC-P08


31/05/2

Public Comment No. 735-NFPA 70-2024 [Sections 314.23(E), 314.23(F)]

Sections 314.23(E), 314.23(F)

(E) Raceway-Supported Enclosures, Without Devices, Luminaires, or Lampholders.

Enclosures that do not contain devices, other than splicing devices, or support luminaires, lampholders, or other equipment and are supported by entering raceways shall not exceed 1650 cm^3 (100 $in.^3$) in size. Enclosures shall have threaded entries or identified hubs and be supported by two or more conduits threaded wrenchtight into the enclosure or hubs. Each conduit shall be secured within 900 mm (3 ft) of the enclosure, or within 450 mm (18 in.) of the enclosure if all conduit entries are on the same side.

Exception: A conduit body of trade size not larger than the largest trade size of the conduit or tubing, ~~an FS or FD~~ single gang device box containing one or more hubs , or an ~~explosionproof conduit outlet~~ explosionproof outlet box of any size, with one or more entries, shall be permitted to be supported by a single raceway of the following wiring methods:

(1) Intermediate metal conduit (IMC)

(2) Rigid metal conduit (RMC)

(3) Rigid polyvinyl chloride conduit (PVC)

(4) Reinforced thermosetting resin conduit (RTRC)

(5) Electrical metallic tubing (EMT)

(F) Raceway-Supported Enclosures, with Devices, Luminaires, or Lampholders.

Enclosures that contain devices, other than splicing devices, or support luminaires, lampholders, or other equipment and are supported by entering raceways shall not exceed 1650 cm^3 (100 $in.^3$) in size. Enclosures shall have threaded entries or identified hubs and be supported by two or more conduits threaded wrenchtight into the enclosure or hubs. Each conduit shall be secured within 450 mm (18 in.) of the enclosure.

Exception No. 1: A single rigid metal or intermediate metal conduit shall be permitted to support a box or conduit body with one or more entries as follows:

(1) Conduit body of trade size not larger than the largest trade size of the conduit

(2) ~~FS or FD~~ A single gang device box containg one of more hubs

(3) Single gang ~~explosionproof conduit outlet~~ explosionproof outlet box of any size

Exception No. 2: An unbroken length(s) of rigid or intermediate metal conduit shall be permitted to support a box used for luminaire or lampholder support, or to support a wiring enclosure that is an integral part of a luminaire and used in lieu of a box in accordance with 300.17(B), where all of the following conditions are met:

(1) The conduit is securely fastened at a point so that the length of conduit beyond the last point of conduit support does not exceed 900 mm (3 ft).

(2) The unbroken conduit length before the last point of conduit support is 300 mm (12 in.) or greater, and that portion of the conduit is securely fastened at some point not less than 300 mm (12 in.) from its last point of support.

(3) Where accessible to unqualified persons, the luminaire or lampholder, measured to its lowest point, is at least 2.5 m (8 ft) above grade or standing area and at least 900 mm (3 ft) measured horizontally to the 2.5 m (8 ft) elevation from windows, doors, porches, fire escapes, or similar locations.

(4) A luminaire supported by a single conduit does not exceed 300 mm (12 in.) in any direction from the point of conduit entry.

(5) The weight supported by any single conduit does not exceed 9 kg (20 lb).

(6) At the luminaire or lampholder end, the conduit(s) is threaded wrenchtight into the box, conduit body, integral wiring enclosure, or identified hubs. Where a box or conduit body is used for support, the luminaire shall be secured directly to the box or conduit body, or through a threaded conduit nipple not over 75 mm (3 in.) long.

Statement of Problem and Substantiation for Public Comment

The terms "FS" and "FD" are not defined and should not be used unless definitions are added. It seems that the intent of the CMP is to limiti this practice to boxes that contain hubs, so I suggest simply stating that intent in the language of the code. Also, to the best of my knowledge, there is no such thing as an "explosionproof conduit box," or "explosionproof conduit" so I suggest changing to simply "explosionproof box."

Related Item

• FR 7539 • FR 7541

Submitter Information Verification

Submitter Full Name: Ryan Jackson
Organization: Self-employed
Street Address:
City:
State:
Zip:

Submittal Date:	Sun Aug 04 13:19:06 EDT 2024
Committee:	NEC-P08

Public Comment No. 1859-NFPA 70-2024 [Section No. 314.27(A)(1)]

(1) Vertical Surface Outlets.

Boxes used at luminaire or lampholder outlets in or on a vertical surface shall be ~~identified and~~ installed in accordance with 314.27(A)(1)(a) and 314.27 (A)(1)(b):

(a) **Luminares over 3 kg (6 lb)** Oultlet boxes for luminares over 3kg (6 lb) shall utilize boxes identified and marked on the interior of the box to indicate the maximum weight of the luminaire that is permitted to be supported by the box if other than 23 kg (50 lb).

~~Exception: A vertically mounted luminaire or lampholder~~

(b) **Luminares 3 kg (6 lb) or less** Luminaires or lampholders weighing not more than 3 kg (6 lb) shall be permitted to be supported on other boxes or plaster rings that are secured to other boxes if the luminaire or its supporting yoke, or the lampholder, is secured to the box with no fewer than two No. 6 or larger screws.

Statement of Problem and Substantiation for Public Comment

This public comment proposes a version of Section 314.27(A)(1) that requires the same thing only it employs positive code text and eliminates the exception. This makes the text in (A)(1) consistent with (A)(2) in structure.
This also complies with Section 2.1.9.1 of the NEC Style Manual covering usage of exceptions: Usage. Exceptions shall convey alternatives or differences to basic requirements. Exceptions to requirements shall be used sparingly. The technical committee shall determine when a code requirement is most effective as positive code language or as an exception.

Related Item

• FR-7555

Submitter Information Verification

Submitter Full Name: Jeff Noren
Organization: National Electrical Contractors Association
Street Address:
City:
State:
Zip:

Submittal Date: Tue Aug 27 18:20:52 EDT 2024
Committee: NEC-P08

Public Comment No. 1002-NFPA 70-2024 [Section No. 314.27(B)]

(B) Boxes at Ceiling-Suspended (Paddle) Fan Outlets.

Outlet boxes or outlet box systems used as the sole support of a ceiling-suspended (paddle) fan shall be listed, shall be marked by their manufacturer on the interior of the box as suitable for this purpose, and shall not support ceiling-suspended (paddle) fans that weigh more than 32 kg (70 lb). For outlet boxes or outlet box systems designed to support ceiling-suspended (paddle) fans that weigh more than 16 kg (35 lb), the required marking shall include the maximum weight to be supported.

Ceiling outlet boxes ~~mounted~~ mounted in ~~a location identified by~~ the ~~installer, designer, or building owner for the installation of a ceiling-suspended (paddle) fan or mounted in the~~ ceilings of living and sleeping areas in dwelling units in a location typical for the installation of a ceiling-suspended (paddle) fan shall comply with one of the following:

(1) Listed for the sole support of ceiling-suspended (paddle) fans

(2) Installed so as to allow direct access through the box to structural framing capable of supporting a ceiling-suspended (paddle) fan without removing the box

Informational Note: A typical location for a ceiling-suspended (paddle) fan is in the center of a room or space or centered over a sitting area.

Statement of Problem and Substantiation for Public Comment

The accepted first draft language is the same as not having this requirement. If it is up to the installer to identify the location where a ceiling fan is to be installed and there no provisions to support a ceiling from from a ceiling box at the time of the inspection, the installer simply says that location is not identified for the installation of a ceiling fan.

The intent is to provide provisions to support a fan if one would be installed in the future. The 2023 language could be read as requiring all ceiling outlet boxes installed 3 or more feet from a well in a habitable room to have provisions to support a fan. That was excessive when a room had multiple ceiling outlet boxes. If we simply require that ceiling boxes in living and sleeping areas, that are installed in a location typical for a fan have provisions to support a fan we will have an enforceable code section.

Related Item

- FR-7555-NFPA 70-2024

Submitter Information Verification

Submitter Full Name: Don Ganiere
Organization: none
Street Address:
City:
State:
Zip:

Submittal Date: Sat Aug 10 13:19:17 EDT 2024
Committee: NEC-P08

Public Comment No. 1311-NFPA 70-2024 [Section No. 314.27(B)]

(B) Boxes at Ceiling-Suspended (Paddle) Fan Outlets.

Outlet boxes or outlet box systems used as the sole support of a ceiling-suspended (paddle) fan shall be listed, shall be marked by their manufacturer on the interior of the box as suitable for this purpose, and shall not support ceiling-suspended (paddle) fans that weigh more than 32 kg (70 lb). For outlet boxes or outlet box systems designed to support ceiling-suspended (paddle) fans that weigh more than 16 kg (35 lb), the required marking shall include the maximum weight to be supported.

Ceiling outlet boxes mounted in a location identified by the installer, designer, or building owner for the installation of a ceiling-suspended (paddle) fan or mounted in the ceilings of living and sleeping areas in dwelling units in a location typical for the installation of a ceiling-suspended (paddle) fan shall comply with one of the following:

(1) Listed for the sole support of ceiling-suspended (paddle) fans

(2) Installed so as to allow direct access through the box to structural framing capable of supporting a ceiling-suspended (paddle) fan without removing the box

Informational Note: A typical location for a ceiling-suspended (paddle) fan is in the center of a room or space or centered over a sitting area.

Statement of Problem and Substantiation for Public Comment

This comment is being submitted on behalf of the Minnesota Department of Labor and Industry. Currently, the Department's inspection staff includes 14-office/field staff, 50-state field inspectors, 4-virtual inspectors and 22 plus contract electrical inspectors that complete over 170,000 electrical inspections annually.

Continue to accept the proposed changes. The need for a fan rated box at all locations "acceptable for the installation of a ceiling fan" was unenforceable language and unreasonable. The language allowing the location to be designated by the owner, installer, or designer, or be located in the center of the room makes sense.

Related Item

• FR-7555-NFPA 70-2024

Submitter Information Verification

Submitter Full Name: Dean Hunter
Organization: Minnesota Department of Labor
Street Address:
City:
State:
Zip:

Submittal Date: Tue Aug 20 13:36:44 EDT 2024
Committee: NEC-P08

Public Comment No. 1860-NFPA 70-2024 [Section No. 314.27(B)]

(B) Boxes at Ceiling-Suspended (Paddle) Fan Outlets.

(1) General

Outlet boxes or outlet box systems used as the sole support of a ceiling-suspended (paddle) fan shall ~~be listed, shall~~ comply with the following:

(a) Shall be listed

(b) Shall be marked by their manufacturer on the interior of the box as suitable for this purpose~~, and shall~~

(c) Shall not support ceiling-suspended (paddle) fans that weigh more than 32 kg (70 lb)~~.~~

(d) For outlet boxes or outlet box systems designed to support ceiling-suspended (paddle) fans that weigh more than 16 kg (35 lb), the required marking shall include the maximum weight to be supported.

~~Ceiling~~
(2) Required Locations

Only those ceiling outlet boxes mounted in

~~a location~~
locations identified by the installer, designer, or building owner for the installation of a ceiling-suspended (paddle) fan

~~or mounted in the ceilings of living and sleeping areas in dwelling units in a location typical for the installation of a ceiling-suspended (paddle) fan~~
shall comply with one of the following:

(1) Listed for the sole support of ceiling-suspended (paddle) fans

(2) Installed so as to allow direct access through the box to structural framing capable of supporting a ceiling-suspended (paddle) fan without removing the box

~~Informational Note: A typical location for a ceiling-suspended (paddle) fan is in the center of a room or space or centered over a sitting area.~~

Statement of Problem and Substantiation for Public Comment

The revisions made in the first draft include the subjective and undefined terms “typical”, “sleeping area”, and “living area” which are also unenforceable. This type of language violates the NEC Style Manual 2023(v2), Section 3.2.1: Unenforceable Terms. The documents shall not contain references or requirements that are unenforceable or vague. The terms contained in Table 3.2.1 shall be reviewed for context, and if the resulting requirement is unenforceable or vague, the term shall not be used.

The charging text in (B) has also been reformatted into list format as it contained 4 separate requirements "shall statements". The NEC Style Manual 2023(v2), Section 3.5.1.2: Multiple Requirements. Multiple requirements within single subdivisions shall be avoided. Additional subdivisions or lists shall be used to express independent requirements.

Additionally, this requirement establishes a rule for future use. Even if the owner of the property has no intention of installing a ceiling (paddle) fan, this rule not only mandates that a support for a fan be installed, but it provides subjective latitude to the AHJ to require boxes in areas they see fit. The proposed language simplifies this requirement leaving the location of any fan support up to the owner, designer, or installer not taking any future action into consideration. If the current or future owner

decides to install a ceiling (paddle) fan, at that time they would be required to install ceiling (paddle) fan support, or it would be a violation of the NEC.

Related Item

• FR-7555

Submitter Information Verification

Submitter Full Name: Jeff Noren
Organization: National Electrical Contractors Association
Street Address:
City:
State:
Zip:

Submittal Date: Tue Aug 27 18:27:41 EDT 2024
Committee: NEC-P08

Public Comment No. 736-NFPA 70-2024 [Section No. 314.27(B)]

(B) Boxes at Ceiling-Suspended (Paddle) Fan Outlets.

Outlet boxes or outlet box systems used as the sole support of a ceiling-suspended (paddle) fan shall be listed, shall be marked by their manufacturer on the interior of the box as suitable for this purpose, and shall not support ceiling-suspended (paddle) fans that weigh more than 32 kg (70 lb). For outlet boxes or outlet box systems designed to support ceiling-suspended (paddle) fans that weigh more than 16 kg (35 lb), the required marking shall include the maximum weight to be supported.

Ceiling outlet boxes mounted in a location ~~identified~~ indicated by the installer, designer, or building owner for the installation of a ceiling-suspended (paddle) fan or mounted in the ceilings of living and sleeping areas in dwelling units in a location typical for the installation of a ceiling-suspended (paddle) fan shall comply with one of the following:

(1) Listed for the sole support of ceiling-suspended (paddle) fans

(2) Installed so as to allow direct access through the box to structural framing capable of supporting a ceiling-suspended (paddle) fan without removing the box

Informational Note: A typical location for a ceiling-suspended (paddle) fan is in the center of a room or space or centered over a sitting area.

Statement of Problem and Substantiation for Public Comment

I appluad the CMP for tackling this issue, as it needed to be addressed. Unfortuantely, using the word "identified" removes what this change sought to clarify. The word "identified" is defined in Article 100, as (bascially) being suitable for a specific purpose. Using that word in this section is really no better than the word "acceptable" that was here before and adds the same argument that this change otherwise removed.

Related Item

• FR 7555

Submitter Information Verification

Submitter Full Name: Ryan Jackson
Organization: Self-employed
Street Address:
City:
State:
Zip:

Submittal Date: Sun Aug 04 13:27:17 EDT 2024
Committee: NEC-P08

Public Comment No. 801-NFPA 70-2024 [Section No. 314.27(B)]

(B) Boxes at Ceiling-Suspended (Paddle) Fan Outlets.

Outlet boxes or outlet box systems used as the sole support of a ceiling-suspended (paddle) fan shall be listed, shall be marked by their manufacturer on the interior of the box as suitable for this purpose, and shall not support ceiling-suspended (paddle) fans that weigh more than 32 kg (70 lb). For outlet boxes or outlet box systems designed to support ceiling-suspended (paddle) fans that weigh more than 16 kg (35 lb), the required marking shall include the maximum weight to be supported.

Ceiling outlet boxes mounted in a location identified by the installer, designer, or building owner for the installation of a ceiling-suspended (paddle) fan or mounted in the ceilings of living and sleeping areas in dwelling units in a location typical for the installation of a ceiling-suspended (paddle) fan shall comply with one of the following:

(1) Listed for the sole support of ceiling-suspended (paddle) fans

(2) Installed so as to allow direct access through the box to structural framing capable of supporting a ceiling-suspended (paddle) fan without removing the box

~~Informational Note: A typical location for a ceiling-suspended (paddle) fan is in the center of a room or space or centered over a sitting area~~ .

Statement of Problem and Substantiation for Public Comment

Request Informational Note be removed. Current Code text indicates where Fan rated boxes are needed without this Note creating a potential loophole for installers to avoid installing fan rated boxes where they may be needed.

The "Informational Note" although not mandatory is often treated as the proper way to do or inspect something.
This note that is being proposed specifies "A typical location of a ceiling-suspended (paddle) fan is the center of a room ....."
The term "Center" is an exact dimensional location and if a box is not located at that exact location, per the Informational Note it doesn't have to be a Fan rated box. Same way if the room is a rectangle and you wanted to put 2 light fixtures at 1/3rd and 2/3rd the length - these are not the dimensional "center" of the room and could be non-fan rated boxes. These lights can be easily upgraded by homeowner at a later date by installing remote controlled Fan/light assemblies on these nonfan rated boxes creating a dangerous situation.

Related Item

• Added Informational Note

Submitter Information Verification

Submitter Full Name: Ralph Baldwin
Organization: Legrand
Street Address:
City:
State:
Zip:

Submittal Date: Mon Aug 05 13:39:23 EDT 2024

Committee: NEC-P08

Public Comment No. 1184-NFPA 70-2024 [Section No. 314.28(A)(3)]

(3) Smaller Dimensions.

Listed boxes or listed conduit bodies of dimensions less than those required in 314.28(A)(1) and 314.28(A)(2) shall be permitted for installations of combinations of conductors that are less than the maximum conduit or tubing fill (of conduits or tubing being used) permitted by Chapter 9, Table 1.

Listed conduit bodies of dimensions less than those required in 314.28(A)(2), and having a radius of the curve to the centerline not less than that indicated in Chapter 9, Table 2, for one-shot and full-shoe benders, shall be permitted for installations of combinations of conductors permitted by Chapter 9, Table 1. These conduit bodies shall be marked to show they have been specifically evaluated in accordance with this provision.

Where the permitted combinations of conductors for which the box or conduit body has been listed are less than the maximum conduit or tubing fill permitted by Chapter 9, Table 1, the box or conduit body shall be permanently marked with the maximum number and maximum size of conductors permitted. For other conductor sizes and combinations, the total cross-sectional area of the fill shall not exceed the cross-sectional area of the conductors specified in the marking, based on the type of conductor identified as part of the product listing.

Informational Note: Unless otherwise specified, the applicable product standards evaluate the fill markings covered here based on conductors with Type XHHW insulation.

Statement of Problem and Substantiation for Public Comment

The word Chapter was omitted and should be added to meet Style Manual.

Related Item

• FR-7756

Submitter Information Verification

Submitter Full Name: David Hittinger
Organization: Independent Electrical Contractors
Affiliation: IEC Codes and Standards
Street Address:
City:
State:
Zip:

Submittal Date: Fri Aug 16 15:27:41 EDT 2024
Committee: NEC-P08

Public Comment No. 737-NFPA 70-2024 [Section No. 314.29(A)]

(A) Buildings and Other Structures.

Boxes and conduit bodies ~~shall be installed~~ at the interiors and exteriors of buildings and other structures shall be installed so the contained wiring and devices are accessible. Boxes and conduit bodies that are recessed into or behind finished surfaces of buildings and structures shall have access to their internal contents maintained by openings in their covers and in the building finish that comply with 314.29(A)(1), 314.29(A)(2), or 314.29(A)(3) as applicable. Removable finished covers and faceplates that maintain this access shall be permitted.

(1) Boxes 1650 cm^3 (100 $in.^3$) or Less in Size.

Openings in the building surfaces, if reduced from the outer walls of boxes, shall comply with the following:

(1) They shall be centered not more than 25 mm (1 in.) from the centerline of boxes.

(2) They shall not extend beyond the walls of boxes.

(3) If rectangular, they shall not be less than 73 mm (2⅞ in.) by 45 mm (1¾ in.) in size.

(4) If circular, they shall not be less than 90 mm (3½ in.) in diameter.

Exception: Smaller openings in building surfaces that accommodate one or more individual devices shall be permitted if all the following conditions are met:

(1) The branch-circuit wiring that supplies each device consists of a separate cable assembly originating outside the box, or individual sets of conductors in a single raceway, all of which originate outside the box. Other than the connections to a single device, the branch-circuit conductors are not spliced in the box, or continued to another device, and no other wiring or raceways enter the box.

(2) Each device is capable of removal from the building surface opening without being damaged. If a special tool is required for this purpose, the applicable circuit directory for the device records the location of the tool, together with a product code/QR code for acquiring a replacement if necessary.

(3) All connections for each device to the branch-circuit wiring are made with listed clamping-type wire connectors, which are supplied with the devices. The branch-circuit conductors are arranged to permit the connector(s) to be exposed after the device has been fully removed.

(4) The device assemblies are listed for this application.

(2) Boxes Larger Than 1650 cm^3 (100 $in.^3$) in Size.

Openings shall not be smaller than the outer walls of boxes.

(3) Conduit Bodies.

Openings shall not be smaller than the outer walls of conduit bodies.

Statement of Problem and Substantiation for Public Comment

This comment seeks to move the language before the words "shall be installed."
As written in the First Draft, the requirement is that a person must install a box (boxes shall be installed at exterior and interior...). The public comment text changes the language so the requirement is that the box's wiring be accesible.

Related Item

• FR 7516

Submitter Information Verification

Submitter Full Name: Ryan Jackson
Organization: Self-employed
Street Address:
City:
State:
Zip:
Submittal Date: Sun Aug 04 13:34:16 EDT 2024
Committee: NEC-P08

Public Comment No. 116-NFPA 70-2024 [Section No. 314.70]

314.70 General.

(A) Pull and Junction Boxes.

Where pull and junction boxes are used on systems over 1000 volts ac, 1500 volts dc, nominal, installations shall comply with Article 314, Part IV, and with the following general requirements:

(1) Part I: 314.4, 314.5, 314.6, and 314.7

(2) Part II: 314.15; 314.17; 314.20; 314.23(A), 314.23(B), or 314.23(G); 314.28(B); and 314.29

(3) Part IV: 314.100(A) and 314.100(C); and 314.101

(B) Conduit Bodies.

Where conduit bodies are used on systems over 1000 volts ac, 1500 volts dc, nominal, installations shall comply with Article 314, Part IV, and with the following general requirements:

(1) Part I: 314.6, and 314.7

(2) Part II: 314.15; 314.17; 314.23(A), 314.23(E), or 314.23(G); 314.28(A)(3); and 314.29

(3) Part IV: 314.100(A) and 314.101

(C) Handhole Enclosures.

Where handhole enclosures are used on systems over 1000 volts ac, 1500 volts dc, nominal, the installation shall comply with Article 314, Part IV, and with the following requirements:

(1) Part I: 314.5, 314.6, and 314.7

(2) Part II: 314.15, 314.17, 314.23(G), 314.28(B), 314.29, and 314.30

Additional Proposed Changes

File Name	Description	Approved
CN_3.pdf	NEC_CCN3	

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 3 appeared in the First Draft Report on First Revision No. 8548.

The Correlating Committee directs CMP 9 to review FR 8548 with respect to the part references (Part III vs. Part IV), to ensure the references in the first sentences are correct.

Related Item

• First Revision No. 8548

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:

City:	
State:	
Zip:	
Submittal Date:	Thu Jul 18 17:13:29 EDT 2024
Committee:	NEC-P08

Correlating Committee Note No. 3-NFPA 70-2024 [Section No. 314.70]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Tue May 07 09:35:23 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 9 to review FR 8548 with respect to the part references (Part III vs. Part IV), to ensure the references in the first sentences are correct.

First Revision No. 8548-NFPA 70-2024 [Detail]

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. 73-NFPA 70-2024 [Section No. 314.70]

314.70 General.

(A) Pull and Junction Boxes.

Where pull and junction boxes are used on systems over 1000 volts ac, 1500 volts dc, nominal, installations shall comply with Article 314, ~~Part IV~~ Part III , and with the following general requirements:

(1) Part I: 314.4, 314.5, 314.6, and 314.7

(2) Part II: 314.15; 314.17; 314.20; 314.23(A), 314.23(B), or 314.23(G); 314.28(B); and 314.29

(3) Part IV: 314.100(A) and 314.100(C); and 314.101

(B) Conduit Bodies.

Where conduit bodies are used on systems over 1000 volts ac, 1500 volts dc, nominal, installations shall comply with Article 314, ~~Part IV~~ Part III , and with the following general requirements:

(1) Part I: 314.6, and 314.7

(2) Part II: 314.15; 314.17; 314.23(A), 314.23(E), or 314.23(G); 314.28(A)(3); and 314.29

(3) Part IV: 314.100(A) and 314.101

(C) Handhole Enclosures.

Where handhole enclosures are used on systems over 1000 volts ac, 1500 volts dc, nominal, the installation shall comply with Article 314, ~~Part IV~~ Part III , and with the following requirements:

(1) Part I: 314.5, 314.6, and 314.7

(2) Part II: 314.15, 314.17, 314.23(G), 314.28(B), 314.29, and 314.30

Statement of Problem and Substantiation for Public Comment

This Public Comment is submitted on behalf of a Correlating Committee Medium Voltage Task Group consisting of Robert Osborne (Chair), Paul Barnhart, Lou Grahor, Donny Cook, Scott Higgins, Mike Querry, Roger McDaniel, Dave Burns, Rod Belisle, Kevin Rogers, Tony Ricciuti, Paul Knapp, Paul Sullivan, George Smith, Eric Simmon, Kevin Arnold, Larry Wildermuth, and Kyle Krueger.

This Public Comment corrects the part references in the first sentences of the sub-sections.

Related Item

• CC Note. No. 3

Submitter Information Verification

Submitter Full Name: Robert Osborne
Organization: UL Solutions
Street Address:
City:
State:

Zip:
Submittal Date: Mon Jul 15 15:32:59 EDT 2024
Committee: NEC-P08

Public Comment No. 597-NFPA 70-2024 [Section No. 342.3]

342.3 Reconditioned Equipment.

Reconditioned IMC, factory elbows and couplings, and associated fittings shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_294.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 294 appeared in the First Draft Report on First Revision No. 7656.

The Correlating Committee directs CMP 8 to review the language used for Reconditioned Equipment base on the Correlating Committee Useability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7656

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 20:38:19 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 294-NFPA 70-2024 [Section No. 342.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:05:21 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for Reconditioned Equipment base on the Correlating Committee Useability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7656-NFPA 70-2024 [New Section after 342.1]

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. 1256-NFPA 70-2024 [Section No. 342.29]

~~**342.29** Paired Locknuts.~~

~~Paired locknuts shall be used for each enclosure opening that is not a threaded hub. Locknuts shall be installed with a minimum of one locknut on each side of the penetrated enclosure wall. Other fittings listed for the purpose shall be permitted to serve as the locknut installed inside the enclosure.~~

Statement of Problem and Substantiation for Public Comment

This change removes the ability to use threadless connectors at enclosures. Threadless connectors are listed to UL 514B and have been safely used for decades. There was no substantiation to remove this allowance.

Related Public Comments for This Document

Related Comment	Relationship
Public Comment No. 1257-NFPA 70-2024 [Section No. 344.29]	
Public Comment No. 1257-NFPA 70-2024 [Section No. 344.29]	

Related Item

- FR 7805

Submitter Information Verification

Submitter Full Name: Ryan Jackson
Organization: Self-employed
Affiliation: Steel Tube Institute
Street Address:
City:
State:
Zip:

Submittal Date: Sun Aug 18 17:37:15 EDT 2024
Committee: NEC-P08

Public Comment No. 1606-NFPA 70-2024 [Section No. 342.29]

342.29 Paired Locknuts.

Paired locknuts shall be used for each enclosure opening that is not a threaded hub. Locknuts shall be installed with a minimum of one locknut on each side of the penetrated enclosure wall. Other fittings listed for the purpose shall be permitted to serve as the locknut installed inside or outside the enclosure.

Statement of Problem and Substantiation for Public Comment

The accepted first revision language would prohibit the use of threadless connectors as the language always requires a locknut on the exterior of the enclosure. Threadless connectors only use locknuts on the interior of the enclosure.

Related Public Comments for This Document

Related Comment	Relationship
Public Comment No. 1607-NFPA 70-2024 [Section No. 344.29]	same issue
Public Comment No. 1607-NFPA 70-2024 [Section No. 344.29]	

Related Item

- First Revision No. 7805-NFPA 70-2024

Submitter Information Verification

Submitter Full Name: Don Ganiere
Organization: none
Street Address:
City:
State:
Zip:
Submittal Date: Sat Aug 24 14:00:02 EDT 2024
Committee: NEC-P08

Public Comment No. 428-NFPA 70-2024 [Section No. 342.29]

342.29 Paired Locknuts.

Paired locknuts shall be used for each enclosure opening that is not a threaded hub. Locknuts shall be installed with a minimum of one locknut on each side of the penetrated enclosure wall. Other fittings listed for the purpose shall be permitted to serve as the locknut installed inside the enclosure.

Additional Proposed Changes

File Name	Description	Approved
CN_69.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 69 appeared in the First Draft Report on First Revision No. 7805 and First Revision No. 7824.

The Correlating Committee directs CMP 8 to consider the proposed requirements in 342.29 and 344.29 and expand the allowable methods of connection of the conduit to the enclosure to include the methods permitted by 250.92(B)(2) through (4).

Related Item

• First Revision No. 7805 • First Revision No. 7824

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Tue Jul 30 16:25:15 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 69-NFPA 70-2024 [Section No. 342.29]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Tue May 07 16:35:28 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to consider the proposed requirements in 342.29 and 344.29 and expand the allowable methods of connection of the conduit to the enclosure to include the methods permitted by 250.92(B)(2) through (4).

First Revision No. 7805-NFPA 70-2024 [Detail]

First Revision No. 7824-NFPA 70-2024 [Detail]

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. 92-NFPA 70-2024 [Section No. 342.30(A)]

(A) Securely Fastened.

IMC in lengths 3 ft or greater shall be secured in accordance with one of the following:

(1) IMC shall be securely fastened within 900 mm (3 ft) of each outlet box, junction box, device box, cabinet, conduit body, or other conduit termination.

(2) Where structural members do not readily permit fastening within 900 mm (3 ft), fastening shall be permitted to be increased to a distance of 1.5 m (5 ft).

(3) Where approved, conduit shall not be required to be securely fastened within 900 mm (3 ft) of the service head for above-the-roof termination of a mast.

Exception: For concealed work in finished buildings or prefinished wall panels where such securing is impracticable, unbroken lengths (without coupling) of IMC shall be permitted to be fished.

Statement of Problem and Substantiation for Public Comment

The panel statements when rejecting my PIs on this topic gives me the impression that the panel agrees that IMC in lengths less than 3 ft between enclosures are not required to be secured or supported. The proposed text will help us Code users know this fact.

Related Item

• 2251

Submitter Information Verification

Submitter Full Name: Mike Holt
Organization: Mike Holt Enterprises Inc
Street Address:
City:
State:
Zip:

Submittal Date: Tue Jul 16 17:58:10 EDT 2024
Committee: NEC-P08

Public Comment No. 1024-NFPA 70-2024 [Section No. 342.30 [Excluding any Sub-Sections]]

IMC shall be installed as a complete system in accordance with 300.20 and shall be securely fastened in place and supported in accordance with 342.30(A) and 342.30(B). IMC conduit terminations shall be permitted as a means of securement and support for IMC raceways not exceeding 900 mm (3 ft)

Statement of Problem and Substantiation for Public Comment

The panel resolved Public Input 2251 with the following comment:
"342.30(A)(1) already allows up to 3ft. Therefore, this would cause confusion when requiring a means of securement or support within 24 inches"

This public comment resolves the issue between the Public Input and the language in 342.30(A)(1), and expands the original proposal to include terminations consisting of either a double locknut termination or a termination using a listed fitting.

The panel statement indicates to me that the panel agrees with the concept that the conduit terminations, are suitable for the securement and support of IMC that does not exceed 3' between fixed enclosures. That is a very common practice in the field, but the code language does not support that practice as there is nothing in Article 342 that permits the IMC termination to serve as the required support and securement for short lengths of IMC.

Related Public Comments for This Document

Related Comment	Relationship
Public Comment No. 1592-NFPA 70-2024 [Section No. 344.31 [Excluding any Sub-Sections]]	

Related Item

- Public Input No. 2251-NFPA 70-2023

Submitter Information Verification

Submitter Full Name: Don Ganiere
Organization: none
Street Address:
City:
State:
Zip:

Submittal Date: Sun Aug 11 15:09:43 EDT 2024
Committee: NEC-P08

Public Comment No. 1258-NFPA 70-2024 [Section No. 342.42]

342.42 Couplings and Connectors.

(A) ~~Threadless~~ General .

~~Threadless couplings~~ Couplings and connectors shall be made tight and be installed in accordance with ~~one or more of~~ the following:

(1) ~~Threadless couplings and connectors used with conduit shall be made tight.~~

(2) Where buried in masonry or concrete, ~~threadless couplings and connectors~~ fittings shall be the concrete-tight type.

(3) Where installed in wet locations, ~~threadless couplings and connectors shall use fittings~~ fittings shall be listed for wet locations.

(4) Threadless couplings and connectors shall not be used on threaded conduit ends unless listed for the purpose.

(B) Running Threads.

Running threads shall not be used on conduit for connection at couplings.

Statement of Problem and Substantiation for Public Comment

The changes made in the First Draft make the tightening fittings an optional practice. Obviously, this was not the intent of the committee. Additionally, these rules need to apply to threaded fittings, such a three-piece coupling, as well as threadless fittings. It is worth pointing out that a "standard" threaded coupling is considered to be part of the raceway and is listed to UL6 (RMC). They are not considered a fitting and they are not regulated by UL 514B. Threaless fittings and three-piece fittings are regulated by UL 514B and must be listed for wet locations. A "standard" threaded coupling is already listed for wet locations because Rigid Metal Conduit is listed for wet locations.

Related Public Comments for This Document

Related Comment	Relationship
Public Comment No. 1259-NFPA 70-2024 [Section No. 344.42(A)]	
Public Comment No. 1260-NFPA 70-2024 [Section No. 358.42]	

Related Item

- FR 7826

Submitter Information Verification

Submitter Full Name: Ryan Jackson
Organization: Self-employed
Affiliation: Steel Tube Institute
Street Address:
City:
State:
Zip:
Submittal Date: Sun Aug 18 17:43:15 EDT 2024
Committee: NEC-P08

Public Comment No. 31-NFPA 70-2024 [Section No. 342.42(A)]

(A) Threadless.

Threadless couplings and connectors shall be installed in accordance with one or more of the following:

(1) ~~Threadless couplings and connectors~~ Where used with conduit shall be made tight.

(2) Where buried in masonry or concrete, ~~threadless couplings and connectors shall~~ be the concrete-tight type.

(3) Where installed in wet locations, ~~threadless couplings and connectors shall~~ use fittings listed for wet locations.

(4) ~~Threadless couplings and connectors shall not~~ Not be used on threaded conduit ends unless listed for the purpose.

Statement of Problem and Substantiation for Public Comment

This PC proposes to remove redundant language. Mandatory language for threadless couplings and connectors is in the first sentence. There is no need to repeat it in the list items.

Related Item

• FR 7809

Submitter Information Verification

Submitter Full Name: Vincent Della Croce
Organization: Siemens
Street Address:
City:
State:
Zip:

Submittal Date: Wed Jul 10 18:54:34 EDT 2024
Committee: NEC-P08

Public Comment No. 598-NFPA 70-2024 [Section No. 344.3]

344.3 Reconditioned Equipment.

Reconditioned RMC, factory elbows and couplings, and associated fittings shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_295.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 295 appeared in the First Draft Report on First Revision No. 7657.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7657

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 20:40:18 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 295-NFPA 70-2024 [Section No. 344.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:07:21 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7657-NFPA 70-2024 [New Section after 344.1]

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. 1257-NFPA 70-2024 [Section No. 344.29]

~~**344.29** Paired Locknuts.~~

~~Paired locknuts shall be used for each enclosure opening that is not a threaded hub. Locknuts shall be installed with a minimum of one locknut on each side of the penetrated enclosure wall. Other fittings listed for the purpose shall be permitted to serve as the locknut installed inside the enclosure.~~

Statement of Problem and Substantiation for Public Comment

This change removes the ability to use threadless connectors at enclosures. Threadless connectors are listed to UL 514B and have been safely used for decades. There was no substantiation to remove this allowance.

Related Public Comments for This Document

Related Comment	Relationship
Public Comment No. 1256-NFPA 70-2024 [Section No. 342.29]	
Public Comment No. 1256-NFPA 70-2024 [Section No. 342.29]	

Related Item

- FR 7824

Submitter Information Verification

Submitter Full Name: Ryan Jackson
Organization: Self-employed
Affiliation: Steel Tube Institute
Street Address:
City:
State:
Zip:

Submittal Date: Sun Aug 18 17:41:01 EDT 2024
Committee: NEC-P08

Public Comment No. 1607-NFPA 70-2024 [Section No. 344.29]

344.29 Paired Locknuts.

Paired locknuts shall be used for each enclosure opening that is not a threaded hub. Locknuts shall be installed with a minimum of one locknut on each side of the penetrated enclosure wall. Other fittings listed for the purpose shall be permitted to serve as the locknut installed inside or outside the enclosure.

Statement of Problem and Substantiation for Public Comment

The accepted first revision language would prohibit the use of threadless connectors as the language always requires a locknut on the exterior of the enclosure. Threadless connectors only use locknuts on the interior of the enclosure.

Related Public Comments for This Document

Related Comment	Relationship
Public Comment No. 1606-NFPA 70-2024 [Section No. 342.29]	same issue
Public Comment No. 1606-NFPA 70-2024 [Section No. 342.29]	

Related Item

- First Revision No. 7824-NFPA 70-2024

Submitter Information Verification

Submitter Full Name: Don Ganiere
Organization: none
Street Address:
City:
State:
Zip:
Submittal Date: Sat Aug 24 14:04:15 EDT 2024
Committee: NEC-P08

Public Comment No. 1596-NFPA 70-2024 [Section No. 344.30]

344.~~30~~ 28 Reaming and Threading.

All cut ends shall be reamed or otherwise finished to remove rough edges. Where conduit is threaded in the field, a standard cutting die with a 1 in 16 taper (¾ in. taper per foot) shall be used. PVC-coated RMC shall be threaded in accordance with the manufacturer's instructions to prevent damage to the exterior coating.

Informational Note No. 1: See ANSI/ASME B1.20.1-2013 (R2018), *Standard for Pipe Threads, General Purpose (Inch)*.

Informational Note No. 2: See NECA 101-2020, *Standard for Installing Steel Conduits (RMC, IMC, EMT)*, for information on threading and clamping methods for RMC and PVC-coated RMC.

Statement of Problem and Substantiation for Public Comment

Change the section number to match that for IMC for consistency with the parallel numbering and to use the section number suggested by the PI.

Related Item

- Public Input No. 4454-NFPA 70-2023

Submitter Information Verification

Submitter Full Name: Don Ganiere
Organization: none
Street Address:
City:
State:
Zip:
Submittal Date: Sat Aug 24 13:24:22 EDT 2024
Committee: NEC-P08

Public Comment No. 1597-NFPA 70-2024 [Section No. 344.31]

344.~~31~~ 30 Securing and Supporting.

RMC shall be installed as a complete system in accordance with 300.20 and shall be securely fastened in place and supported in accordance with 344.31(A) and 344.31(B).

(A) Securely Fastened.

RMC shall be secured in accordance with one of the following:

(1) RMC shall be securely fastened within 900 mm (3 ft) of each outlet box, junction box, device box, cabinet, conduit body, or other conduit termination.

(2) Fastening shall be permitted to be increased to a distance of 1.5 m (5 ft) where structural members do not readily permit fastening within 900 mm (3 ft).

(3) Where approved, conduit shall not be required to be securely fastened within 900 mm (3 ft) of the service head for above-the-roof termination of a mast.

Exception: For concealed work in finished buildings or prefinished wall panels where such securing is impracticable, unbroken lengths (without coupling) of RMC shall be permitted to be fished.

(B) Supports.

RMC shall be supported in accordance with one of the following:

(1) Conduit shall be supported at intervals not exceeding 3 m (10 ft).

(2) The distance between supports for straight runs of conduit shall be permitted in accordance with Table 344.31(B), provided the conduit is made up with threaded couplings and supports that prevent transmission of stresses to termination where conduit is deflected between supports.

(3) Exposed vertical risers from industrial machinery or fixed equipment shall be permitted to be supported at intervals not exceeding 6 m (20 ft) if the conduit is made up with threaded couplings, the conduit is supported and securely fastened at the top and bottom of the riser, and no other means of intermediate support is readily available.

(4) Horizontal runs of RMC supported by openings through framing members at intervals not exceeding 3 m (10 ft) and securely fastened within 900 mm (3 ft) of termination points shall be permitted.

Table 344.31(B) Supports for Rigid Metal Conduit

Conduit Size		Maximum Distance Between Rigid Metal Conduit Supports	
Metric Designator	Trade Size	m	ft
16–21	½–¾	3.0	10
27	1	3.7	12
35–41	1¼–1½	4.3	14
53–63	2–2½	4.9	16
78 and larger	3 and larger	6.1	20

Statement of Problem and Substantiation for Public Comment

This PC is to change the section number for securing and supporting to 344.30 to maintain the parallel numbering. It appears that the section change was not intentional and was a result in using an incorrect section for FR-7777-NFPA 70-2024

Related Item

• FR-7777-NFPA 70-2024 • Public Input No. 4454-NFPA 70-2023

Submitter Information Verification

Submitter Full Name: Don Ganiere
Organization: none
Street Address:
City:
State:
Zip:

Submittal Date: Sat Aug 24 13:28:07 EDT 2024
Committee: NEC-P08

Public Comment No. 93-NFPA 70-2024 [Section No. 344.31(A)]

(A) Securely Fastened.

RMC in lengths 3 ft or greater shall be secured in accordance with one of the following:

(1) RMC shall be securely fastened within 900 mm (3 ft) of each outlet box, junction box, device box, cabinet, conduit body, or other conduit termination.

(2) Fastening shall be permitted to be increased to a distance of 1.5 m (5 ft) where structural members do not readily permit fastening within 900 mm (3 ft).

(3) Where approved, conduit shall not be required to be securely fastened within 900 mm (3 ft) of the service head for above-the-roof termination of a mast.

Exception: For concealed work in finished buildings or prefinished wall panels where such securing is impracticable, unbroken lengths (without coupling) of RMC shall be permitted to be fished.

Statement of Problem and Substantiation for Public Comment

The panel statements when rejecting my PIs on this topic gives me the impression that the panel agrees that RMC in lengths less than 3 ft between enclosures are not required to be secured or supported. The proposed text will help us Code users know this fact.

Related Item

• 2254

Submitter Information Verification

Submitter Full Name: Mike Holt
Organization: Mike Holt Enterprises Inc
Street Address:
City:
State:
Zip:

Submittal Date: Tue Jul 16 18:00:09 EDT 2024
Committee: NEC-P08

Public Comment No. 1592-NFPA 70-2024 [Section No. 344.31 [Excluding any Sub-Sections]]

RMC shall be installed as a complete system in accordance with 300.20 and shall be securely fastened in place and supported in accordance with 344.31(A) and 344.31(B). RMC conduit terminations shall be permitted as a means of securement and support for RMC raceways not exceeding 900 mm (3 ft)

Statement of Problem and Substantiation for Public Comment

The panel resolved Public Input 2254with the following comment:
"344.30(A)(1) already allows up to 3ft. Therefore, this would cause confusion when requiring a means of securement or support within 24 inches"

This public comment resolves the issue between the Public Input and the language in 342.30(A)(1), and expands the original proposal to include terminations consisting of either a double locknut termination or a termination using a listed fitting.

The panel statement indicates to me that the panel agrees with the concept that the conduit terminations, are suitable for the securement and support of RMC that does not exceed 3' between fixed enclosures. That is a very common practice in the field, but the code language does not support that practice as there is nothing in Article 344 that permits the RMC termination to serve as the required support and securement for short lengths of RMC.

Related Public Comments for This Document

Related Comment	Relationship
Public Comment No. 1024-NFPA 70-2024 [Section No. 342.30 [Excluding any Sub-Sections]]	Same topic for IMC

Related Item

- Public Input No. 2254-NFPA 70-2023

Submitter Information Verification

Submitter Full Name: Don Ganiere
Organization: none
Street Address:
City:
State:
Zip:

Submittal Date: Sat Aug 24 13:16:40 EDT 2024
Committee: NEC-P08

Public Comment No. 1259-NFPA 70-2024 [Section No. 344.42(A)]

(A) ~~Threadless~~ General .

~~Threadless couplings~~ Couplings and connectors shall be made tight and be installed in accordance with ~~one or more of~~ the following:

(1) ~~Threadless couplings and connectors used with conduit shall be made tight.~~

(2) Where buried in masonry or concrete, ~~threadless couplings and connectors~~ fittings shall be the concrete-tight type.

(3) Where installed in wet locations ~~, threadless couplings and connectors shall use fittings~~ fittings shall be listed for wet locations.

(4) Threadless couplings and connectors shall not be used on threaded conduit ends unless listed for the purpose.

Statement of Problem and Substantiation for Public Comment

See companion comment to 342.42.

Related Public Comments for This Document

Related Comment	Relationship
Public Comment No. 1258-NFPA 70-2024 [Section No. 342.42]	
Public Comment No. 1260-NFPA 70-2024 [Section No. 358.42]	

Related Item

- FR 7826

Submitter Information Verification

Submitter Full Name: Ryan Jackson
Organization: Self-employed
Affiliation: Steel Tube Institute
Street Address:
City:
State:
Zip:
Submittal Date: Sun Aug 18 18:00:55 EDT 2024
Committee: NEC-P08

Public Comment No. 32-NFPA 70-2024 [Section No. 344.42(A)]

(A) Threadless.

Threadless couplings and connectors shall be installed in accordance with one or more of the following:

(1) ~~Threadless couplings and connectors~~ When used with conduit shall be made tight.

(2) Where buried in masonry or concrete, ~~threadless couplings and connectors shall be~~ be the concrete-tight type.

(3) Where installed in wet locations, ~~threadless couplings and connectors shall use~~ use fittings listed for wet locations.

(4) ~~Threadless couplings and connectors shall not~~ Not be used on threaded conduit ends unless listed for the purpose.

Statement of Problem and Substantiation for Public Comment

This PC proposes to remove redundant language. Mandatory language for threadless couplings and connectors is in the first sentence. There is no need to repeat it in the list items.

Related Item

• FR 7862

Submitter Information Verification

Submitter Full Name: Vincent Della Croce
Organization: Siemens
Street Address:
City:
State:
Zip:

Submittal Date: Thu Jul 11 07:30:02 EDT 2024
Committee: NEC-P08

Public Comment No. 599-NFPA 70-2024 [Section No. 348.3]

348.3 Reconditioned Equipment.

Reconditioned FMC and associated fittings shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_296.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 296 appeared in the First Draft Report on First Revision No. 7645.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7645

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 20:41:54 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 296-NFPA 70-2024 [Section No. 348.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:08:31 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7645-NFPA 70-2024 [Section No. 348.2]

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. 600-NFPA 70-2024 [Section No. 350.3]

350.3 Reconditioned Equipment.

Reconditioned LFMC and associated fittings shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_297.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 297 appeared in the First Draft Report on First Revision No. 7646.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7646

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 20:45:34 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 297-NFPA 70-2024 [Section No. 350.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:09:39 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7646-NFPA 70-2024 [Section No. 350.2]

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. 738-NFPA 70-2024 [Section No. 350.10]

350.10 Uses Permitted.

LFMC shall be permitted to be used in exposed or concealed locations as follows:

(1) Where conditions of installation, operation, or maintenance require flexibility or protection from machine oils, liquids, vapors, or solids.

(2) In hazardous (classified) locations where specifically permitted by Chapter 5.

(3) For direct burial where listed and marked for the purpose.

(4) Conductors or cables rated at a temperature higher than the listed temperature rating of LFMC shall be permitted to be installed in LFMC, provided the ~~conductors or cables are not operated at a temperature higher than the listed~~ conductor or cable temperature rating is limited to the listed wiring temperature rating of the LFMC.

(5) For encasement in concrete where listed and marked for direct burial and installed in compliance with 350.42.

Statement of Problem and Substantiation for Public Comment

The NEC has no procedure for determining the "operation temperature" of a conductor. Rather, the only procedure available is to determine the ampacity of a conductor based on the conditions of use and the conductor insulation temperature. If, for example, the ampacity of a conductor of given size and material under given conditions of use is 23A with 75C insulation, and 34A with 90C insulation, then we can conclude that using the conductor at 23A or less will limit the "operation temperature" to 75C or less, while using the conductor at 34A or less will limit the "operating temperature" to 90C or less.

So rather that using an otherwise undefined term of "operation temperature" in stating this requirement, the restriction is most clearly stated in terms of not allowing the conductor insulation temperature used in ampacity computations to exceed the wiring method's listed wiring temperature rating. Note that the term "wiring temperature rating" is used here, as some wiring method may have a higher limit on the allowable temperature rating of enclosed conductors than they do on the allowable ambient temperature.

Related Item

• Public Input No. 158-NFPA 70-2023

Submitter Information Verification

Submitter Full Name: Wayne Whitney
Organization: Whitney
Street Address:
City:
State:
Zip:

Submittal Date: Sun Aug 04 13:40:49 EDT 2024
Committee: NEC-P08

Public Comment No. 601-NFPA 70-2024 [Section No. 352.3]

352.3 Reconditioned Equipment.

Reconditioned PVC conduit, factory elbows, and associated fittings shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_298.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 298 appeared in the First Draft Report on First Revision No. 7649.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7649

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 20:49:07 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 298-NFPA 70-2024 [Section No. 352.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:10:50 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7649-NFPA 70-2024 [New Section after 352.1]

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. 740-NFPA 70-2024 [Section No. 352.10(J)]

(J) Insulation Temperature Limitations.

Conductors or cables rated at a temperature higher than the listed temperature rating of PVC conduit shall be permitted to be installed in PVC conduit, provided the ~~conductors or cables are not operated at a temperature higher than the listed~~ conductor or cable temperature rating is limited to the listed wiring temperature rating of the PVC conduit.

Statement of Problem and Substantiation for Public Comment

The NEC has no procedure for determining the "operation temperature" of a conductor. Rather, the only procedure available is to determine the ampacity of a conductor based on the conditions of use and the conductor insulation temperature. If, for example, the ampacity of a conductor of given size and material under given conditions of use is 23A with 75C insulation, and 34A with 90C insulation, then we can conclude that using the conductor at 23A or less will limit the "operation temperature" to 75C or less, while using the conductor at 34A or less will limit the "operating temperature" to 90C or less.

So rather that using an otherwise undefined term of "operation temperature" in stating this requirement, the restriction is most clearly stated in terms of not allowing the conductor insulation temperature used in ampacity computations to exceed the wiring method's listed wiring temperature rating. Note that the term "wiring temperature rating" is used here, as some wiring method may have a higher limit on the allowable temperature rating of enclosed conductors than they do on the allowable ambient temperature.

Related Item

• Public Input No. 158-NFPA 70-2023

Submitter Information Verification

Submitter Full Name: Wayne Whitney
Organization: Whitney
Street Address:
City:
State:
Zip:

Submittal Date: Sun Aug 04 14:01:21 EDT 2024
Committee: NEC-P08

Public Comment No. 1292-NFPA 70-2024 [Section No. 352.20(B)]

(B) Maximum.

PVC conduit larger than metric designator 155 (trade size 6) shall not be used.

~~*Exception: Listed conduit exceeding metric designator 155 (trade size 6) shall be permitted where all the following conditions are met:*~~

(1) ~~*It is used where no part of the conduit is installed aboveground and backfilled in accordance with 300.5(F).*~~

(2) ~~*It is located where it does not pass through or enter a Class I or Zone 0, Zone 1, or Zone 2 hazardous (classified) location.*~~

(3) ~~*The percent of cross section of conduit for conductors and cables does not exceed the percentages shown in Chapter 9 , Table 1.*~~

Informational Note: See 300.1(C) for trade sizes and metric designators that are for identification purposes only and are not actual dimensions.

Statement of Problem and Substantiation for Public Comment

This Public Comment returns the language to the 2020 NEC edition.

Product standards for larger sizes of PVC conduit do not exist. This revision could cause confusion and the misuse of PVC sewer pipe in the field. Product standards need to be revised for the addition of larger sizes so that the code panel has a chance to review them for acceptance prior to revising the code.

Related Item

• FR 7707

Submitter Information Verification

Submitter Full Name: David Kendall
Organization: ABB Inc.
Street Address:
City:
State:
Zip:

Submittal Date: Tue Aug 20 09:42:06 EDT 2024
Committee: NEC-P08

Public Comment No. 1183-NFPA 70-2024 [New Section after 352.24(A)]

Cable Pulling Software

Cable pulls beyond 360 degrees of bend will be permitted under engineering supervision when certified professional cable pull calculation software and manufacturer pull tension data are utilized and the pull does not exceed the calculated pull tensions and sidewall pressures.

Additional Proposed Changes

File Name	Description	Approved
NFPA_70_Pull_Tension_Example.pdf	Pull Tension below damage threshold of cable despite 555 degrees of bend. Calculated by Cable Pulling Software ETAP.	
NFPA_70_Pull_Tension_Example_2.pdf	Pull Tension Example 2. Below damage threshold of cables despite 405 degrees of total bends	

Statement of Problem and Substantiation for Public Comment

The 360 degree rule is sensible for building contractors. They use mostly 90 degree bends, they aren't going to use $50,000 software to calculate the tension, so they can install a $3 junction box every 360 degrees and whala, no problem. However, on the opposite scale, Traction Power Engineers like myself use sophisticated software based on the cable manufacturers testing and data regarding pull tension damage thresholds. Our projects involve miles of cable and our "junction boxes" are manholes that cost upwards of $75,000 a piece. For this reason, we carefully design with simple bends but want to go the maximum distance we can before installing another manhole. The authorities on the other hand take the stance, NEC says 360, it must be 360. The 360 rule was written long before there was cable pulling software. All that is needed is a statement that one can follow the 360 rule or they can purchase certified cable pull software and utilize the calculated pull tensions instead of a blanket 360.

Related Item

- None

Submitter Information Verification

Submitter Full Name: Jeffrey Ross
Organization: PGH Wong Engineering
Street Address:
City:
State:
Zip:

Submittal Date: Fri Aug 16 15:01:09 EDT 2024
Committee: NEC-P08

Cable Input Data :

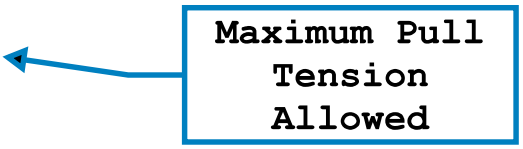
No. of Cables	ID	Connection	Application	Conductor per Cable	kV	Conductor Size AWG/kcmil	Conductor Size kcmil	Cable OD inch	Weight lb/1000ft	Max. Tension lb/kcmil	Max. Sidewall Pressure lb/ft
1	LocCable0		Ground	1/C	2	750	750.0	1.470	3488.0	8.00	350.0

Conduit Input Data:

Trade Size	Type	OD inch	Thickness inch	% Friction Factor Segments	% Friction Factor Bends	% Fill
4.00	PVC_40	4.500	0.237	35.0	35.0	14.7

Input Parameters:

Total maximum allowable tension:	6001.0 lb
Equivalent length of cable for pulling from the reel:	0.0 ft
Total length of run (pull):	468.7 ft
Tolerance for cable diameter (OD):	5.0 %
Tolerance for cable weight:	5.0 %
Conduit fill:	14.7 %
Three cable configuration:	Cradled



Reduction factor for the maximum allowable tensions of cables

Up to 3 cables (1/C, 3/C, etc.):	0.0 %
More than 3 single-conductor (1/C) cables:	20.0 %
More than 3 multi-conductor cables:	40.0 %

Unit System:	English
Project Filename:	TP23-BungB
Output Filename:	C:\ETAP 2100\TP23-BungB\Untitled.CP1S

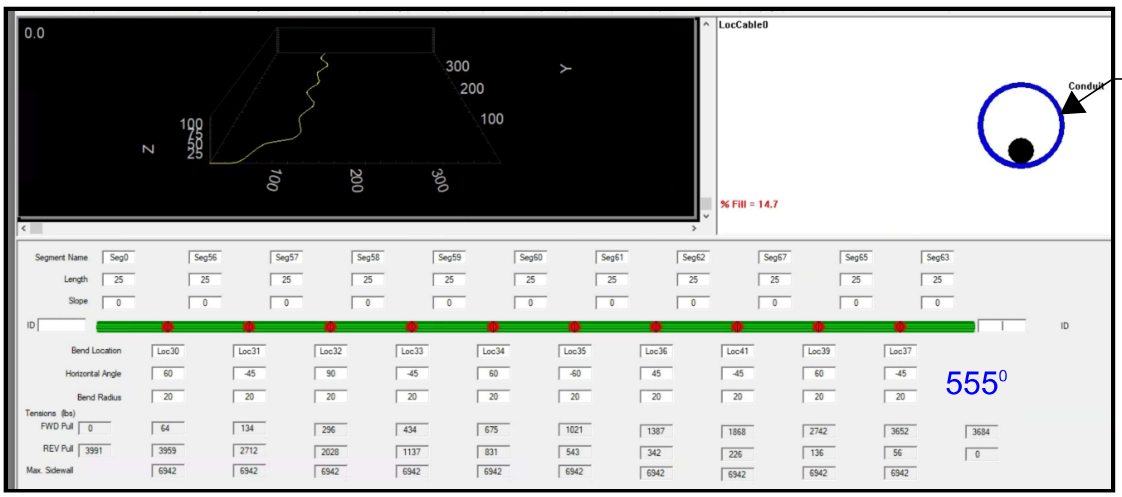
Cable Pulling Results

Segment ID	Length ft	Slope deg.	Horizontal Bend ID	Radius ft	Angle deg.	Sidewall Tension Maximum Tension lb	Total Tension Forward Pull lb	Total Tension Reverse Pull lb
							0.0	3990.6
Seg0	25.0	0.0						
			Loc30	20.0	60.0	6942.1	64.2	3958.5
Seg56	25.0	0.0						
				20.0	-45.0	6942.1	133.6	2711.5
Seg57	25.0	0.0						
				20.0	90.0	6942.1	296.0	2027.5
	25.0	0.0						
				20.0	-45.0	6942.1	434.0	1137.2
	25.0	0.0						
			Loc34	20.0	60.0	6942.1	674.6	831.2
	25.0	0.0						
			Loc35	20.0	-60.0	6942.1	1020.9	542.9
	25.0	0.0						
			Loc36	20.0	45.0	6942.1	1386.8	342.4
Seg62	25.0	0.0						
				20.0	-45.0	6942.1	1868.2	225.9
Seg67	25.0							
				20.0	60.0	6942.1	2742.1	136.3
Seg65	25.0							
				20.0	-45.0	6942.1	3652.1	55.5
Seg63	25.0							
							3684.2	0.0

Despite the 555 degrees of total bends, these cables WILL NOT sustain damage during the pull

Maximum Reverse Pull Tension... 2010 lbs below allowed pull pressure

Maximum Forward Pull Tension...2317 lbs below the allowed pull tension



**4" Conduit
1-1000KCMIL 2kV Cable**

Cable Input Data :

No. of Cables	ID	Connection	Application	Conductor per Cable	kV	Conductor Size AWG/kcmil	Conductor Size kcmil	Cable OD inch	Weight lb/1000ft	Max. Tension lb/kcmil	Max. Sidewall Pressure lb/ft
3	LocCable0		Ground	1/C	35	4/0	211.6	1.600	1776.0	8.00	350.0

Conduit Input Data:

Trade Size	Type	OD inch	Thickness inch	% Friction Factor Segments	% Friction Factor Bends	% Fill
6.00	PVC_40	6.625	0.280	35.0	35.0	23.0

Input Parameters:

Total maximum allowable tension:	5079.3 lb
Equivalent length of cable for pulling from the reel:	0.0 ft
Total length of run (pull):	416.4 ft
Tolerance for cable diameter (OD):	5.0 %
Tolerance for cable weight:	5.0 %
Conduit fill:	23.0 %
Three cable configuration:	Cradled

Maximum allowable pull tension

Reduction factor for the maximum allowable tensions of cables

Up to 3 cables (1/C, 3/C, etc.):	0.0 %
More than 3 single-conductor (1/C) cables:	20.0 %
More than 3 multi-conductor cables:	40.0 %

Unit System:	English
Project Filename:	TP23-BungB
Output Filename:	C:\ETAP 2100\TP23-BungB\Untitled.CP1S

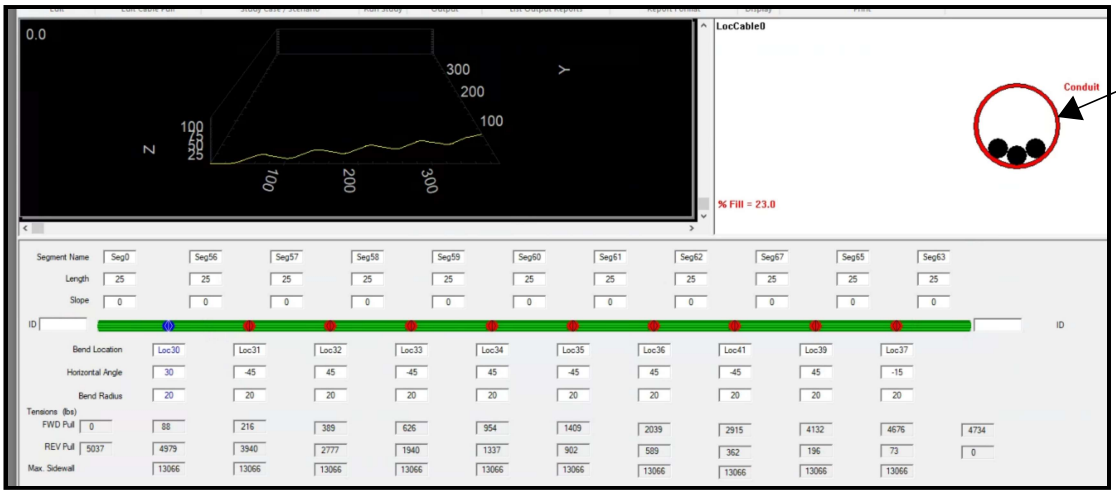
Cable Pulling Results

Maximum reverse pull tension

Segment ID	Segment Length ft	Segment Slope deg.	Horizontal Bend ID	Bend Radius ft	Bend Angle deg.	Sidewall Tension: Maximum Tension lb	Total Tension: Forward Pull lb	Total Tension: Reverse Pull lb
							0.0	5037.3
Seg0	25.0	0.0						
			Loc30	20.0	30.0	13066.0	87.8	4978.8
Seg56	25.0	0.0						
			Loc31	20.0	-45.0	13066.0	216.0	3940.3
Seg57	25.0	0.0						
			Loc32	20.0	45.0	13066.0	388.8	2777.4
	25.0	0.0						
			Loc33	20.0	-45.0	13066.0	626.0	1940.1
	25.0	0.0						
			Loc34	20.0	45.0	13066.0	953.9	1337.0
	25.0	0.0						
			Loc35	20.0	-45.0	13066.0	1408.5	902.3
Seg61	25.0	0.0						
			Loc36	20.0	45.0	13066.0	2039.4	588.7
Seg62	25.0	0.0						
			Loc41	20.0	-45.0	13066.0	2915.4	361.7
Seg67	25.0	0.0						
			Loc39	20.0	45.0	13066.0	4131.9	196.2
Seg65	25.0	0.0						
			Loc37			13066.0	4675.8	72.8
Seg63	25.0	0.0						
							4734.4	0.0

This pull will not cause any damage to the cables despite the degree of total bends being 405

Max. Forward pull tension



6" Conduit w/ 3-4/0 34.5kV Cables

Public Comment No. 95-NFPA 70-2024 [Section No. 352.30 [Excluding any Sub-Sections]]

PVC conduit in lengths 3 ft and greater shall be installed as a complete system as provided in 300.20 and shall be fastened so that movement from thermal expansion or contraction is permitted. PVC conduit shall be securely fastened and supported in accordance with 352.30(A) and 352.30(B).

Statement of Problem and Substantiation for Public Comment

The panel statements when rejecting my PIs on this topic gives me the impression that the panel agrees that PVC in lengths less than 3 ft between enclosures are not required to be secured or supported. The proposed text will help us Code users know this fact.

Related Item

- 2257

Submitter Information Verification

Submitter Full Name: Mike Holt
Organization: Mike Holt Enterprises Inc
Street Address:
City:
State:
Zip:

Submittal Date: Tue Jul 16 18:04:21 EDT 2024
Committee: NEC-P08

Public Comment No. 1355-NFPA 70-2024 [Section No. 352.44(B)]

~~(B) Earth Movement.~~

~~Where required by 300.7(J) or to compensate for other earth movement, the expansion fittings for underground runs of direct buried PVC conduit emerging from the ground shall be provided above grade.~~

Statement of Problem and Substantiation for Public Comment

This comment is being submitted on behalf of the Minnesota Department of Labor and Industry. Currently, the Department's inspection staff includes 14-office/field staff, 50-state field inspectors, 4-virtual inspectors and 22 plus contract electrical inspectors that complete over 170,000 electrical inspections annually.

Please consider removing the proposed language. The installation of an above grade expansion fitting may not be practical in all installations. For instance, PVC conduit emerging from grade with an enclosure or conduit body only inches from the ground - doesn't allow for a fitting to be installed. In addition, earth movement is not the same as thermal expansion and the movement could vary greatly depending on the compaction, soil conditions, moisture level and tamping. Many installers are not aware how to calculate the exact distance under these conditions, nor where to set the fitting for proper movement when the environmental conditions are variable. If these changes are being made for PVC conduit, then the same changes should be made for all of the raceways covered in Table 300.7 (A), when they emerge from grade. Also, this deletion eliminates the "underground run" language that is not consistent 300.18. One could argue that the reference to section 300.7(J) is redundant language, as that section refers to "raceways" which would include PVC.

Related Item

• First Revision No. 7781-NFPA 70-2024 Section No. 352.44(B)

Submitter Information Verification

Submitter Full Name: Dean Hunter
Organization: Minnesota Department of Labor
Street Address:
City:
State:
Zip:

Submittal Date: Wed Aug 21 11:12:57 EDT 2024
Committee: NEC-P08

Public Comment No. 602-NFPA 70-2024 [Section No. 353.3]

353.3 Reconditioned Equipment.

Reconditioned HDPE conduit and associated fittings shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_299.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 299 appeared in the First Draft Report on First Revision No. 7640.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7640

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 20:50:34 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 299-NFPA 70-2024 [Section No. 353.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:11:49 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7640-NFPA 70-2024 [New Section after 353.1]

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. 741-NFPA 70-2024 [Section No. 353.10]

353.10 Uses Permitted.

The use of HDPE conduit shall be permitted under the following conditions:

(1) In discrete lengths or in continuous lengths from a reel

(2) In locations subject to severe corrosive influences as covered in 300.8 and where subject to chemicals for which the conduit is listed

(3) In cinder fill

(4) In direct burial installations in earth or concrete

Informational Note to (4): See 300.7 and 305.15 for underground installations.

(5) Above ground, except as prohibited in 353.12, where encased in not less than 50 mm (2 in.) of concrete.

(6) Conductors or cables rated at a temperature higher than the listed temperature rating of HDPE conduit shall be permitted to be installed in HDPE conduit, provided the ~~conductors or cables are not operated at a temperature higher than the listed~~ conductor or cable temperature rating is limited to the listed wiring temperature rating of the HDPE conduit.

Statement of Problem and Substantiation for Public Comment

The NEC has no procedure for determining the "operation temperature" of a conductor. Rather, the only procedure available is to determine the ampacity of a conductor based on the conditions of use and the conductor insulation temperature. If, for example, the ampacity of a conductor of given size and material under given conditions of use is 23A with 75C insulation, and 34A with 90C insulation, then we can conclude that using the conductor at 23A or less will limit the "operation temperature" to 75C or less, while using the conductor at 34A or less will limit the "operating temperature" to 90C or less.

So rather that using an otherwise undefined term of "operation temperature" in stating this requirement, the restriction is most clearly stated in terms of not allowing the conductor insulation temperature used in ampacity computations to exceed the wiring method's listed wiring temperature rating. Note that the term "wiring temperature rating" is used here, as some wiring method may have a higher limit on the allowable temperature rating of enclosed conductors than they do on the allowable ambient temperature.

Related Item

• Public Input No. 158-NFPA 70-2023

Submitter Information Verification

Submitter Full Name: Wayne Whitney
Organization: Whitney
Street Address:
City:
State:
Zip:
Submittal Date: Sun Aug 04 14:05:24 EDT 2024
Committee: NEC-P08

Public Comment No. 1293-NFPA 70-2024 [Section No. 353.20(B)]

(B) Maximum.

HDPE conduit larger than metric designator 155 (trade size 6) shall not be used.

~~*Exception: Listed conduit exceeding metric designator 155 (trade size 6) shall be permitted where all the following conditions are met:*~~

(1) ~~*It is used where no part of the conduit is installed aboveground and backfilled in accordance with 300.7(F) .*~~

(2) ~~*It is located where it does not pass through or enter a Class I, or Zone 0, Zone 1, or Zone 2 hazardous (classified) location.*~~

(3) ~~*The percent of cross section of conduit for conductors and cables does not exceed the percentages shown in Chapter 9 , Table 1.*~~

Informational Note: See 300.1(C) for trade sizes and metric designators that are for identification purposes only and are not actual dimensions.

Statement of Problem and Substantiation for Public Comment

This Public Comment returns the language to the 2020 NEC edition.

Product standards for larger sizes of HDPE conduit do not exist. This revision could cause confusion and the misuse of HDPE sewer pipe in the field. Product standards need to be revised for the addition of larger sizes so that the code panel has a chance to review them for acceptance prior to revising the code.

Related Item

• FR 7950

Submitter Information Verification

Submitter Full Name: David Kendall
Organization: ABB Inc.
Street Address:
City:
State:
Zip:

Submittal Date: Tue Aug 20 09:50:28 EDT 2024
Committee: NEC-P08

Public Comment No. 603-NFPA 70-2024 [Section No. 354.3]

354.3 Reconditioned Equipment.

Reconditioned NUCC and associated fittings shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_300.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 300 appeared in the First Draft Report on First Revision No. 7594.

The Correlating Committee directs CMP-8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7594

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 20:52:03 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 300-NFPA 70-2024 [Section No. 354.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:13:27 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP-8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7594-NFPA 70-2024 [New Section after 354.1]

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. 595-NFPA 70-2024 [Section No. 354.10]

354.10 Uses Permitted.

The use of NUCC and fittings shall be permitted in the following:

(1) For direct burial underground installation (For minimum cover requirements, see Table 300.7(A) and Table 305.15(A).

(2) Encased or embedded in concrete

(3) In cinder fill

(4) In underground locations subject to severe corrosive influences as covered in 300.8 and where subject to chemicals for which the assembly is specifically approved

(5) Above ground, except as prohibited in 354.12, where encased in not less than 50 mm (2 in.) of concrete

Additional Proposed Changes

File Name	Description	Approved
CN_292.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 292 appeared in the First Draft Report.

The Correlating Committee directs CMP 8 to reconsider the “resolve” action on PI 691 with respect to the parenthetical phrase (For minimum cover requirements, see Table 300.7(A) and Table 305.15(A)) as parenthetical expressions create confusion and misunderstanding and shall be avoided. Informational Notes can be used for important references. Refer to NEC Style Manual Section 3.5.1.1.

Related Item

• Correlating Committee Note No. 292

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 20:31:05 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 292-NFPA 70-2024 [Section No. 354.10]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:00:52 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to reconsider the “resolve” action on PI 691 with respect to the parenthetical phrase (For minimum cover requirements, see Table 300.7(A) and Table 305.15(A)) as parenthetical expressions create confusion and misunderstanding and shall be avoided. Informational Notes can be used for important references. Refer to NEC Style Manual Section 3.5.1.1.

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. 604-NFPA 70-2024 [Section No. 355.3]

355.3 Reconditioned Equipment.

Reconditioned RTRC, factory elbows, and associated fittings shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_301.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 301 appeared in the First Draft Report on First Revision No. 7600.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7600

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 20:53:39 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 301-NFPA 70-2024 [Section No. 355.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:14:31 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7600-NFPA 70-2024 [New Section after 355.1]

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. 742-NFPA 70-2024 [Section No. 355.10(I)]

(I) Insulation Temperature Limitations.

Conductors or cables rated at a temperature higher than the listed temperature rating of RTRC conduit shall be permitted to be installed in RTRC conduit, ~~if~~ provided the ~~conductors or cables are not operated at a temperature higher than the listed~~ conductor or cable temperature rating is limited to the listed wiring temperature rating of the RTRC conduit.

Statement of Problem and Substantiation for Public Comment

The NEC has no procedure for determining the "operation temperature" of a conductor. Rather, the only procedure available is to determine the ampacity of a conductor based on the conditions of use and the conductor insulation temperature. If, for example, the ampacity of a conductor of given size and material under given conditions of use is 23A with 75C insulation, and 34A with 90C insulation, then we can conclude that using the conductor at 23A or less will limit the "operation temperature" to 75C or less, while using the conductor at 34A or less will limit the "operating temperature" to 90C or less.

So rather that using an otherwise undefined term of "operation temperature" in stating this requirement, the restriction is most clearly stated in terms of not allowing the conductor insulation temperature used in ampacity computations to exceed the wiring method's listed wiring temperature rating. Note that the term "wiring temperature rating" is used here, as some wiring method may have a higher limit on the allowable temperature rating of enclosed conductors than they do on the allowable ambient temperature.

Related Item

• Public Input No. 158-NFPA 70-2023

Submitter Information Verification

Submitter Full Name: Wayne Whitney
Organization: Whitney
Street Address:
City:
State:
Zip:

Submittal Date: Sun Aug 04 14:07:45 EDT 2024
Committee: NEC-P08

Public Comment No. 1294-NFPA 70-2024 [Section No. 355.20(B)]

(B) Maximum.

RTRC larger than metric designator 155 (trade size 6) shall not be used.

~~*Exception: Listed conduit exceeding metric designator 155 (trade size 6) shall be permitted where all of the following conditions are met:*~~

(1) ~~*It is used where no part of the conduit is installed aboveground and backfilled per 300.7(F)*~~

(2) ~~*It is located where it does not pass through or enter, a Class I, or Zone 0, 1, or 2 hazardous (classified) Location*~~

(3) ~~*The percent of cross section of conduit for conductors and cables does not exceed the percentages shown in Chapter 9 Table 1*~~

Informational Note: See 300.1(C) for the trade sizes and metric designators that are for identification purposes only and do not relate to actual dimensions.

Statement of Problem and Substantiation for Public Comment

This Public Comment returns the language to the 2020 NEC edition.

Product standards for larger sizes of RTRC conduit do not exist. This revision could cause confusion and the misuse of RTRC sewer pipe in the field. Product standards need to be revised for the addition of larger sizes so that the code panel has a chance to review them for acceptance prior to revising the code.

Related Item

• FR 7605

Submitter Information Verification

Submitter Full Name: David Kendall
Organization: ABB Inc.
Street Address:
City:
State:
Zip:

Submittal Date: Tue Aug 20 09:59:33 EDT 2024
Committee: NEC-P08

Public Comment No. 605-NFPA 70-2024 [Section No. 356.3]

356.3 Reconditioned Equipment.

Reconditioned LFNMC and associated fittings shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_302.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 302 appeared in the First Draft Report on First Revision No. 7642.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7642

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 21:03:12 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 302-NFPA 70-2024 [Section No. 356.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:17:46 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7642-NFPA 70-2024 [New Section after 356.1]

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. 743-NFPA 70-2024 [Section No. 356.10]

356.10 Uses Permitted.

LFNC shall be permitted to be used in exposed or concealed locations for the following purposes:

(1) Where flexibility is required for installation, operation, or maintenance.

(2) Where protection of the contained conductors is required from vapors, machine oils, liquids, or solids.

(3) For outdoor locations where listed and marked as suitable for the purpose.

(4) For direct burial where listed and marked for the purpose.

(5) Installed in lengths longer than 1.8 m (6 ft) where secured in accordance with 356.30.

(6) LFNC-B as a listed manufactured prewired assembly, metric designator 16 through 27 (trade size ½ through 1) conduit.

(7) For encasement in concrete where listed for direct burial and installed in compliance with 356.42.

(8) In locations subject to severe corrosive influences as covered in 300.6 and where subject to chemicals for which the materials are specifically approved.

(9) Conductors or cables rated at a temperature higher than the listed temperature rating of LFNC shall be permitted to be installed in LFNC, provided the ~~conductors or cables are not operated at a temperature higher than the listed~~ conductor or cable temperature rating is limited to the listed wiring temperature rating of the LFNC.

Informational Note: Extreme cold can cause some types of nonmetallic conduits to become brittle and therefore more susceptible to damage from physical contact.

Statement of Problem and Substantiation for Public Comment

The NEC has no procedure for determining the "operation temperature" of a conductor. Rather, the only procedure available is to determine the ampacity of a conductor based on the conditions of use and the conductor insulation temperature. If, for example, the ampacity of a conductor of given size and material under given conditions of use is 23A with 75C insulation, and 34A with 90C insulation, then we can conclude that using the conductor at 23A or less will limit the "operation temperature" to 75C or less, while using the conductor at 34A or less will limit the "operating temperature" to 90C or less.

So rather that using an otherwise undefined term of "operation temperature" in stating this requirement, the restriction is most clearly stated in terms of not allowing the conductor insulation temperature used in ampacity computations to exceed the wiring method's listed wiring temperature rating. Note that the term "wiring temperature rating" is used here, as some wiring method may have a higher limit on the allowable temperature rating of enclosed conductors than they do on the allowable ambient temperature.

Related Item

• Public Input No. 158-NFPA 70-2023

Submitter Information Verification

Submitter Full Name: Wayne Whitney

Organization:	Whitney
Street Address:	
City:	
State:	
Zip:	
Submittal Date:	Sun Aug 04 14:09:34 EDT 2024
Committee:	NEC-P08

Public Comment No. 58-NFPA 70-2024 [Section No. 356.30]

356.30 Securing and Supporting.

LFNC shall be securely fastened and supported in accordance with one of the following:

(1) ~~Where installed in lengths exceeding 1.8 m (6 ft), the~~ The conduit shall be securely fastened at intervals not exceeding 900 mm (3 ft) and~~ within~~ , where installed in lengths exceeding 1.8 m (6 ft), shall also be securely fastened within 300 mm (12 in.) on each side of every outlet box, junction box, cabinet, or fitting. ~~Where used, cable ties shall be listed for the application and for securing and supporting.~~

(2) Securing or supporting of the conduit shall not be required where it is fished, installed in lengths not exceeding 900 mm (3 ft) at terminals where flexibility is required, or installed in lengths not exceeding 1.8 m (6 ft) from a luminaire terminal connection for tap conductors to luminaires permitted in 410.117(C).

(3) Horizontal runs of LFNC supported by openings through framing members at intervals not exceeding 900 mm (3 ft) and securely fastened within 300 mm (12 in.) of termination points shall be permitted.

(4) Securing or supporting of LFNC shall not be required where installed in lengths not exceeding 1.8 m (6 ft) from the last point where the raceway is securely fastened for connections within an accessible ceiling to a luminaire(s) or other equipment.

For the purpose of this section, listed liquidtight flexible nonmetallic conduit fittings shall be permitted as a means of support.

Where used, cable ties shall be listed for the application and for securing and supporting.

Statement of Problem and Substantiation for Public Comment

356.30 says "LFNC shall be securely fastened and supported in accordance with one of the following:"
- Paragraph (1) covers the *general case* for lengths > 6 ft.
- Paragraphs (2), (3), and (4) cover various *special cases* (e.g., situations where flexibility is required, the conduit is fished, or conduit is connected to luminaires).

Consider the *general case* of LFNC installed in a length less than (or equal to) 6 ft.

THE FIRST PROBLEM with the existing Code is that none of the paragraphs (1-4) applies to this case!

But nevertheless, we are still required by the opening sentence to choose ONE of the paragraphs to apply ("in accordance with one of the following"). Since Paragraphs (2), (3), and (4) are only applicable to *special cases*, Paragraph (1) would seem to be the best choice.

THE SECOND PROBLEM with the existing Code is that, since Paragraph (1) says support is only required in lengths exceeding 6 ft, the conclusion is that NO FASTENING NOR SUPPORT WHATSOEVER would be required for lengths less than (or equal to) 6 ft. This means you could have a 5' 11" (or even 6 ft) length of unsupported conduit. This does not appear to be the intention of the Code's authors because:
- In almost all cases [except for the special cases dealing with luminaires in Paragraphs (2) and (4)], the maximum interval between supports for LFNC is 3 ft.
- Why bother having special exceptions for luminaires [Paragraphs (2) and (4)] allowing up to 6 ft of unsupported conduit, when the general case in Paragraph (1) already allows it in general?
Rather, the way Paragraph (1) is written appears to introduce an unintentional loophole.

The proposed change addresses THE FIRST PROBLEM by making it clear that Paragraph (1) covers all lengths of the *general case* -- not just lengths > 6 ft.

The proposed change addresses THE SECOND PROBLEM by specifying that in the *general case*, LFNC must be supported at intervals of not more than 3 ft.

One other small change was to relocate this language "Where used, cable ties shall be listed for the application and for securing and supporting" from 356.30(1) to the bottom of 356.30, because this requirement applies to all parts of this section and its current location implies it only applicable to (1). This proposed revision will bring consistency for Code users.

Related Item

• Public Input No. 2258-NFPA 70-2023 [Section No. 356.30]

Submitter Information Verification

Submitter Full Name: Jonathan Elkin
Organization: Seakindly Solutions
Street Address:
City:
State:
Zip:

Submittal Date: Sun Jul 14 16:35:12 EDT 2024
Committee: NEC-P08

Public Comment No. 606-NFPA 70-2024 [Section No. 358.3]

358.3 Reconditioned Equipment.

Reconditioned EMT, factory elbows, and associated fittings shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_303.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 303 appeared in the First Draft Report on First Revision No. 7659.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7659

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 21:09:14 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 303-NFPA 70-2024 [Section No. 358.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:18:53 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7659-NFPA 70-2024 [New Section after 358.1]

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. 94-NFPA 70-2024 [Section No. 358.30(A)]

(A) Securely Fastened.

EMT in lengths 3 ft or greater shall be securely fastened in place in accordance with the following:

(1) At intervals not to exceed 3 m (10 ft)

(2) Within 900 mm (3 ft) of each outlet box, junction box, device box, cabinet, conduit body, or other tubing termination

Exception No. 1: Fastening of unbroken lengths shall be permitted to be increased to a distance of 1.5 m (5 ft) where structural members do not readily permit fastening within 900 mm (3 ft).

Exception No. 2: For concealed work in finished buildings or prefinished wall panels where such securing is impracticable, unbroken lengths (without coupling) of EMT shall be permitted to be fished.

Statement of Problem and Substantiation for Public Comment

The panel statements when rejecting my PIs on this topic gives me the impression that the panel agrees that EMT in lengths less than 3 ft between enclosures are not required to be secured or supported. The proposed text will help us Code users know this fact.

Related Item

• 2259

Submitter Information Verification

Submitter Full Name: Mike Holt
Organization: Mike Holt Enterprises Inc
Street Address:
City:
State:
Zip:

Submittal Date: Tue Jul 16 18:01:44 EDT 2024
Committee: NEC-P08

Public Comment No. 1599-NFPA 70-2024 [Section No. 358.30 [Excluding any Sub-Sections]]

EMT shall be installed as a complete system in accordance with 300.20 and shall be securely fastened in place and supported in accordance with 358.30(A) and 358.30(B). EMT conduit terminations shall be permitted as a means of securement and support for EMT raceways not exceeding 900 mm (3 ft)

Statement of Problem and Substantiation for Public Comment

The panel resolved PI 2359 with the following panel statement.
"358.30(A)(1) already allows up to 3ft. Therefore, this would cause confusion when requiring a means of securement or support within 24 inches."
This public comment resolves the issue between the Public Input and the language in 358.30(A)(1).

The panel statement indicates to me that the panel agrees with the concept that the conduit terminations, are suitable for the securement and support of EMT that does not exceed 3' between fixed enclosures. That is a very common practice in the field, but the code language does not support that practice as there is nothing in Article 358 that permits the EMT termination to serve as the required support and securement for short lengths of EMT.

Related Item

• Public Input No. 2259-NFPA 70-2023

Submitter Information Verification

Submitter Full Name: Don Ganiere
Organization: none
Street Address:
City:
State:
Zip:

Submittal Date: Sat Aug 24 13:32:40 EDT 2024
Committee: NEC-P08

Public Comment No. 1260-NFPA 70-2024 [Section No. 358.42]

358.42 Couplings and Connectors.

Couplings and connectors shall be made tight and be installed in accordance with ~~one or more of~~ the following:

(1) ~~Couplings and connectors used with EMT shall be made tight.~~

(2) Where buried in masonry or concrete, couplings and connectors shall be concrete-tight type.

(3) Where installed in wet locations, couplings and connectors ~~shall use fittings~~ be listed for wet locations.

Statement of Problem and Substantiation for Public Comment

This is similar to my public comments to 342.42 and 344.42, although this one also fixes the language about fittings "using" fittings that listed for wet locations.

Related Public Comments for This Document

Related Comment	Relationship
Public Comment No. 1258-NFPA 70-2024 [Section No. 342.42]	
Public Comment No. 1259-NFPA 70-2024 [Section No. 344.42(A)]	

Related Item

• FR 7837

Submitter Information Verification

Submitter Full Name: Ryan Jackson
Organization: Self-employed
Affiliation: Steel Tube Institute
Street Address:
City:
State:
Zip:

Submittal Date: Sun Aug 18 18:03:33 EDT 2024
Committee: NEC-P08

Public Comment No. 33-NFPA 70-2024 [Section No. 358.42]

358.42 Couplings and Connectors.

Couplings and connectors shall be installed in accordance with one or more of the following:

(1) ~~Couplings and connectors~~ Where used with EMT shall be made tight.

(2) Where buried in masonry or concrete,~~- couplings and connectors shall be~~ be concrete-tight type.

(3) Where installed in wet locations, ~~couplings and connectors shall~~ use fittings listed for wet locations.

Statement of Problem and Substantiation for Public Comment

This PC proposes to remove redundant language. Mandatory language for couplings and connectors is in the first sentence. There is no need to repeat it in the list items.

Related Item

• FR 7826

Submitter Information Verification

Submitter Full Name: Vincent Della Croce
Organization: Siemens
Street Address:
City:
State:
Zip:

Submittal Date: Thu Jul 11 07:36:06 EDT 2024
Committee: NEC-P08

Public Comment No. 607-NFPA 70-2024 [Section No. 360.3]

360.3 Reconditioned Equipment.

Reconditioned FMT and associated fittings shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_304.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 304 appeared in the First Draft Report on First Revision No. 7661.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7661

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 21:11:48 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 304-NFPA 70-2024 [Section No. 360.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:20:17 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7661-NFPA 70-2024 [New Section after 360.1]

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. 608-NFPA 70-2024 [Section No. 362.3]

362.3 Reconditioned Equipment.

Reconditioned ENT and associated fittings shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_305.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 305 appeared in the First Draft Report on First Revision No. 7647.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7647

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 21:14:06 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 305-NFPA 70-2024 [Section No. 362.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:21:50 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7647-NFPA 70-2024 [Section No. 362.2]

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. 744-NFPA 70-2024 [Section No. 362.10]

362.10 Uses Permitted.

For the purpose of this article, the first floor of a building shall be that floor that has 50 percent or more of the exterior wall surface area level with or above finished grade. One additional level that is the first level and not designed for human habitation and used only for vehicle parking, storage, or similar use shall be permitted. The use of ENT and fittings shall be permitted in the following:

(1) In any building not exceeding three floors above grade as follows:

(2) For exposed work, where not prohibited by 362.12

(3) Concealed within walls, floors, and ceilings

(4) In any building exceeding three floors above grade concealed within combustible or noncombustible walls, floors, and ceilings where the walls, floors, and ceilings provide a thermal barrier of material that has at least a 15-minute finish rating as identified in listings of fire-rated assemblies.

Exception to (2): Where an approved automatic fire protective system(s) is installed on all floors, ENT shall be permitted to be used within walls, floors, and ceilings, exposed or concealed, in buildings exceeding three floors above grade.

Informational Note No. 1: A finish rating is established for assemblies containing combustible (wood) supports. The finish rating is defined as the time at which the wood stud or wood joist reaches an average temperature rise of 121°C (250°F) or an individual temperature of 163°C (325°F) as measured on the plane of the wood nearest the fire. A finish rating is not intended to represent a rating for a membrane ceiling.

Informational Note No. 2: See NFPA 13-2025, *Standard for the Installation of Sprinkler Systems*, a recognized fire sprinkler system(s) standard.

(5) In locations subject to severe corrosive influences as covered in 300.8 and where subject to chemicals for which the materials are specifically approved.

(6) In concealed, dry, and damp locations not prohibited by 362.12.

(7) Above suspended ceilings where the suspended ceilings provide a thermal barrier of material that has at least a 15-minute finish rating as identified in listings of fire-rated assemblies, except as permitted in 362.10(1)a.

Exception to (5): ENT shall be permitted to be used above suspended ceilings in buildings exceeding three floors above grade where the building is protected throughout by an approved automatic fire protective system.

Informational Note No. 3: See NFPA 13-2025, *Standard for the Installation of Sprinkler Systems*, a recognized fire sprinkler system(s) standard.

(8) Encased in poured concrete floors, ceilings, walls, and slabs.

(9) Embedded in a concrete slab on grade where ENT is placed on sand or approved screenings, provided fittings identified for this purpose are used for connections.

(10) For wet locations as permitted in this section or in a concrete slab on or belowgrade, with fittings listed for the purpose.

(11) Metric designator 16 through 27 (trade size ½ through 1) as listed manufactured prewired assembly.

(12) With conductors or cables rated at a temperature higher than the listed temperature rating of ENT~~- if the conductors or cables are not operated at a temperature higher than the listed~~ , provided the conductor or cable temperature rating is limited to the listed wiring temperature rating of the ENT.

Statement of Problem and Substantiation for Public Comment

The NEC has no procedure for determining the "operation temperature" of a conductor. Rather, the only procedure available is to determine the ampacity of a conductor based on the conditions of use and the conductor insulation temperature. If, for example, the ampacity of a conductor of given size and material under given conditions of use is 23A with 75C insulation, and 34A with 90C insulation, then we can conclude that using the conductor at 23A or less will limit the "operation temperature" to 75C or less, while using the conductor at 34A or less will limit the "operating temperature" to 90C or less.

So rather that using an otherwise undefined term of "operation temperature" in stating this requirement, the restriction is most clearly stated in terms of not allowing the conductor insulation temperature used in ampacity computations to exceed the wiring method's listed wiring temperature rating. Note that the term "wiring temperature rating" is used here, as some wiring method may have a higher limit on the allowable temperature rating of enclosed conductors than they do on the allowable ambient temperature.

Related Item

• Public Input No. 158-NFPA 70-2023

Submitter Information Verification

Submitter Full Name: Wayne Whitney
Organization: Whitney
Street Address:
City:
State:
Zip:

Submittal Date: Sun Aug 04 14:11:00 EDT 2024
Committee: NEC-P08

Public Comment No. 609-NFPA 70-2024 [Section No. 366.3]

366.3 Reconditioned Equipment.

Reconditioned auxiliary gutters and associated fittings shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_306.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 306 appeared in the First Draft Report on First Revision No. 7662.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7662

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 21:18:26 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 306-NFPA 70-2024 [Section No. 366.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:23:23 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7662-NFPA 70-2024 [New Section after 366.1]

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. 996-NFPA 70-2024 [New Section after 368.3]

TITLE OF NEW CONTENT

368.4 Field Identification Required.

(A) Circuit Directory

A circuit directory shall be located on or adjacent to the overcurrent protection device supplying the busway by means of a sleeve holder.

(B) Circuit Identification

A busways with plug-in devices, every circuit plug-in device when installed or modified on the length of a busway shall be legibly identified as to its clear, evident, and specific purpose or use on the busway circuit directory. The identification shall include an approved degree of detail that allows each circuit to be distinguished from all others. Spare positions that contain unused plug-in devices shall be described in the circuit directory accordingly. No circuit shall be described in a manner that depends on transient conditions of occupancy.

Statement of Problem and Substantiation for Public Comment

In commercial and industrial electrical systems, the importance of proper circuit identification cannot be overstated. The requirement for circuit identification at the origin of branch circuits or feeders is a fundamental safety measure that ensures maintenance personnel can quickly and accurately identify circuits during emergencies or routine maintenance. This principle should extend to busways, which are critical components in distributing electrical power throughout facilities.

The Importance of Circuit Identification

Circuit identification serves several key purposes:

Safety: In emergency situations, knowing which circuit corresponds to which equipment can prevent accidents and facilitate quick disconnection of power.
Efficiency: Maintenance electricians can perform their duties more effectively when they have immediate access to circuit information.
Compliance: Adhering to electrical codes and standards helps ensure that installations meet safety regulations.

Current Practices and Challenges

While panelboards, switchgear, and motor control centers (MCCs) typically have clear circuit identification, busways often lack this essential feature. The absence of a directory at the origin of the busway overcurrent protective device (OCPD) creates challenges:

Configuration Management Issues: In large industrial facilities, configuration management is crucial for maintaining accurate records of electrical systems. However, it is not always implemented effectively. Changes made to circuits may not be reflected in one-line diagrams or documentation due to costs or oversight.
Lack of Standardization in Commercial Applications: In many commercial settings, there is little to no standardization regarding circuit identification practices. This inconsistency can lead to confusion and potential hazards during maintenance or emergencies.

Proposed Code Requirement for Busways

To address these challenges, implementing a code requirement for busways similar to that for panelboards would be beneficial:

Directory Requirement: Mandating a directory at the origin of each busway OCPD would provide immediate access to circuit information.
Standardized Identification System: Establishing a standardized system for labeling circuits within busways would enhance clarity and reduce errors during maintenance.
Regular Updates and Compliance Checks: Encouraging regular updates to one-line diagrams and compliance checks would ensure that all modifications are documented accurately.

By adopting these measures, facilities can significantly improve safety protocols related to electrical distribution systems.

Conclusion

In conclusion, extending the requirement for circuit identification from panelboards and other equipment to busways is essential for enhancing safety in commercial and industrial applications. A standardized approach would not only facilitate better emergency response but also streamline maintenance processes by providing electricians with immediate access to critical information about current loading and disconnect procedures.

Related Item

• PI Number 1537

Submitter Information Verification

Submitter Full Name: Alfio Torrisi
Organization: Triad National Security, LLC.
Street Address:
City:
State:
Zip:

Submittal Date: Fri Aug 09 17:51:40 EDT 2024
Committee: NEC-P08

Public Comment No. 610-NFPA 70-2024 [Section No. 368.3]

368.3 Reconditioned Equipment.

Reconditioned Mylar-wrapped and powder-coated busways shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_307.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 307 appeared in the First Draft Report on First Revision No. 7664.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7664

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 21:19:58 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 307-NFPA 70-2024 [Section No. 368.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:24:30 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7664-NFPA 70-2024 [New Section after 368.1]

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. 611-NFPA 70-2024 [Section No. 369.3]

369.3 Reconditioned Equipment.

Reconditioned IBP and IBP systems shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_308.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 308 appeared in the First Draft Report on First Revision No. 7648.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7648

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 21:21:18 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 308-NFPA 70-2024 [Section No. 369.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:28:31 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7648-NFPA 70-2024 [Section No. 369.2]

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. 612-NFPA 70-2024 [Section No. 370.3]

370.3 Reconditioned Equipment.

Reconditioned cablebus and associated fittings shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_309.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 309 appeared in the First Draft Report on First Revision No. 7666.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7666

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 21:22:42 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 309-NFPA 70-2024 [Section No. 370.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:30:06 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7666-NFPA 70-2024 [New Section after 370.1]

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. 613-NFPA 70-2024 [Section No. 371.3]

371.3 Reconditioned Equipment.

Reconditioned flexible bus systems shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_310.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 310 appeared in the First Draft Report on First Revision No. 7668.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7668

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 21:27:03 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 310-NFPA 70-2024 [Section No. 371.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:33:06 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7668-NFPA 70-2024 [New Section after 371.1]

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. 1687-NFPA 70-2024 [Section No. 371.10]

371.10 Uses Permitted.

Flexible bus systems shall be permitted for the following:

(1) Services, feeders, and branch circuits

(2) Indoors

(3) Outdoors where identified for outdoor use

(4) Installed in corrosive, wet, or damp locations where identified for use

(5) Exposed

(6) Behind access panels where the space behind the access panel is not used for air-handling purposes

(7) To penetrate through walls and floors in accordance with 371.18

(8) Air-handling spaces, where identified for air-handling spaces

Statement of Problem and Substantiation for Public Comment

This change is to remove the prohibited use and add this application to the uses permitted. This change will allow this optional use only where the flexible bus system meets the listing and marking requirements for use in air handling spaces.

The need for this change to the NEC was initiated by a client request to the manufacturer where flexible insulated bus would be installed, in part, in an air handling space. At this time, it is prohibited based on the initial creation of the Article and drafting of the related UL Outlines of Investigation. At the time this article was being developed, this application was not anticipated therefore it was prohibited solely to prevent incorrect application. With the above referenced client request, this assumption is no longer correct. The initial draft of UL 1386 for Flexible Bus Systems, being done in parallel with the changes to the NEC last cycle, had some provisions for the necessary testing to permit installation in air handling spaces, but these requirements were ultimately not included because of the NEC text.

The only additional testing requirements for the flexible insulated bus for this application are the flame testing to the NFPA 262 or FT6 requirements and provision for the additional markings. For the flexible bus systems where the terminations and support components are covered, the additional testing includes the smoke and heat release sequence referencing UL 2403, and UL 2239, Hardware for the Support of Conduit, Tubing, and Cable, along with the related markings. There is no other technical reason to prohibit this application if the listing requirements are satisfied for both the flexible insulated bus and the flexible bus system.

A project has been initiated with UL to revise UL 1386 and UL 1387 covering Flexible Insulated Bus and Flexible Bus Systems to add the above identified testing and markings requirements. Since these are known tests, the revision to the Outline should be able to be completed in the near future. With these changes to Article 371 and the updated Outlines of Investigation, flexible bus systems would be permitted to be installed in air handling spaces where it is specifically listed and identified for this application.

Correlating public comments have been submitted for changes to 371.12 to delete this in uses not permitted, 371.120 for markings, and 300.25(C)(1) for permitted wiring methods.

Related Item

• PI 4459, 4463 • PC 1685, 1696, 1692

Submitter Information Verification

Submitter Full Name: Ward Judson
Organization: nVent Electric
Street Address:
City:
State:
Zip:
Submittal Date: Mon Aug 26 12:03:25 EDT 2024
Committee: NEC-P08

Public Comment No. 1696-NFPA 70-2024 [Section No. 371.12]

371.12 Uses Not Permitted.

Flexible bus systems shall not be permitted to be installed in the following:

(1) Hoistways

(2) Where exposed to severe physical damage

(3) Hazardous (classified) locations, unless specifically permitted in Chapter 5

(4) ~~Air-handling spaces~~

Statement of Problem and Substantiation for Public Comment

This change is to remove the prohibited use and add this application to the uses permitted. This change will allow this optional use only where the flexible bus system meets the listing and marking requirements for use in air handling spaces.

The need for this change to the NEC was initiated by a client request to the manufacturer where flexible insulated bus would be installed, in part, in an air handling space. At this time, it is prohibited based on the initial creation of the Article and drafting of the related UL Outlines of Investigation. At the time this article was being developed, this application was not anticipated therefore it was prohibited solely to prevent incorrect application. With the above referenced client request, this assumption is no longer correct. The initial draft of UL 1386 for Flexible Bus Systems, being done in parallel with the changes to the NEC last cycle, had some provisions for the necessary testing to permit installation in air handling spaces, but these requirements were ultimately not included because of the NEC text.

The only additional testing requirements for the flexible insulated bus for this application are the flame testing to the NFPA 262 or FT6 requirements and provision for the additional markings. For the flexible bus systems where the terminations and support components are covered, the additional testing includes the smoke and heat release sequence referencing UL 2403, and UL 2239, Hardware for the Support of Conduit, Tubing, and Cable, along with the related markings. There is no other technical reason to prohibit this application if the listing requirements are satisfied for both the flexible insulated bus and the flexible bus system.

A project has been initiated with UL to revise UL 1386 and UL 1387 covering Flexible Insulated Bus and Flexible Bus Systems to add the above identified testing and markings requirements. Since these are known tests, the revision to the Outline should be able to be completed in the near future. With these changes to Article 371 and the updated Outlines of Investigation, flexible bus systems would be permitted to be installed in air handling spaces where it is specifically listed and identified for this application.

Correlating public comments have been submitted for changes to 371.10 to add this in uses permitted, 371.120 for markings, and 300.25(C)(1) for permitted wiring methods.

Related Item

• PI 4459, 4463 • PC 1685, 1687, 1692

Submitter Information Verification

Submitter Full Name: Ward Judson

Organization: nVent Electric

Street Address:
City:
State:
Zip:
Submittal Date: Mon Aug 26 12:36:39 EDT 2024
Committee: NEC-P08

Public Comment No. 1692-NFPA 70-2024 [Section No. 371.120]

371.120 Marking.

Each section of flexible bus systems shall be marked with the manufacturer's name or trade designation, voltage rating, and current rating. Markings shall be located so as to be visible after installation.

(A) System Nameplate.

A system nameplate shall contain the manufacturer's name or trademark and the flexible bus system ratings. The ratings shall include the voltage, phase, current rating, short circuit current rating, and applicable environmental ratings. The nameplate shall be installed at each end of the flexible bus system. The nameplate shall be visible after installation.

(B) Associated Fittings.

Associated fittings shall be marked as suitable for flexible bus systems.

(C) Flexible Insulated Bus.

The flexible insulated bus shall be marked along the insulation with the manufacturer's name or trademark, voltage, manufacturer's part identification, and insulation temperature ratings.

(D) Environmental Marks.

Where listed for suitability in specific environments, the applicable environmental marking shall be applied to the flexible insulated bus.

Statement of Problem and Substantiation for Public Comment

This change is to remove the prohibited use and add this application to the uses permitted for air handling spaces. This change will allow this optional use only where the flexible bus system meets the listing and marking requirements for use in air handling spaces. The text was generally written to cover not only markings for the optional use in air handling spaced but the several other optional uses including outdoor use, wet, damp and corrosive locations, etc.

The need for this change to the NEC was initiated by a client request to the manufacturer where flexible insulated bus would be installed, in part, in an air handling space. At this time, it is prohibited based on the initial creation of the Article and drafting of the related UL Outlines of Investigation. At the time this article was being developed, this application was not anticipated therefore it was prohibited solely to prevent incorrect application. With the above referenced client request, this assumption is no longer correct. The initial draft of UL 1386 for Flexible Bus Systems, being done in parallel with the changes to the NEC last cycle, had some provisions for the necessary testing to permit installation in air handling spaces, but these requirements were ultimately not included because of the NEC text.

The only additional testing requirements for the flexible insulated bus for this application are the flame testing to the NFPA 262 or FT6 requirements and provision for the additional markings. For the flexible bus systems where the terminations and support components are covered, the additional testing includes the smoke and heat release sequence referencing UL 2403, and UL 2239, Hardware for the Support of Conduit, Tubing, and Cable, along with the related markings. There is no other technical reason to prohibit this application if the listing requirements are satisfied for both the flexible insulated bus and the flexible bus system.

A project has been initiated with UL to revise UL 1386 and UL 1387 covering Flexible Insulated Bus and Flexible Bus Systems to add the above identified testing and markings requirements. Since these are known tests, the revision to the Outline should be able to be completed in the near future. With these changes to Article 371 and the updated Outlines of Investigation, flexible bus systems would be permitted to be installed in air handling spaces where it is specifically listed and identified for this

application.

Correlating public comments have been submitted for changes to 371.10 to add this in uses permitted, 371.12 to delete this in uses not permitted, and 300.25(C)(1) for permitted wiring methods.

Related Item

• PI 4459, 4463 • PC 1685, 1687, 1696

Submitter Information Verification

Submitter Full Name: Ward Judson
Organization: nVent Electric
Street Address:
City:
State:
Zip:

Submittal Date: Mon Aug 26 12:17:44 EDT 2024
Committee: NEC-P08

Public Comment No. 614-NFPA 70-2024 [Section No. 372.3]

372.3 Reconditioned Equipment.

Reconditioned cellular concrete floor raceways and associated fittings shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_311.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 311 appeared in the First Draft Report on First Revision No. 7669.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7669

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 21:31:15 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 311-NFPA 70-2024 [Section No. 372.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:34:44 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7669-NFPA 70-2024 [New Section after 372.1]

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. 615-NFPA 70-2024 [Section No. 374.3]

374.3 Reconditioned Equipment.

Reconditioned cellular metal floor raceways and associated fittings shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_312.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 312 appeared in the First Draft Report on First Revision No. 7670.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7670

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 21:33:31 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 312-NFPA 70-2024 [Section No. 374.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:35:51 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7670-NFPA 70-2024 [New Section after 374.1]

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. 616-NFPA 70-2024 [Section No. 376.3]

376.3 Reconditioned Equipment.

Reconditioned metal wireways and associated fittings shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_313.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 313 appeared in the First Draft Report on First Revision No. 7651.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7651

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 21:35:51 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 313-NFPA 70-2024 [Section No. 376.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:36:55 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7651-NFPA 70-2024 [New Section after 376.1]

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. 617-NFPA 70-2024 [Section No. 378.3]

378.3 Reconditioned Equipment.

Reconditioned nonmetallic wireways and associated fittings shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_314.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 314 appeared in the First Draft Report on First Revision No. 7644.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7644

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 21:38:22 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 314-NFPA 70-2024 [Section No. 378.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:38:08 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7644-NFPA 70-2024 [New Section after 378.1]

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. 618-NFPA 70-2024 [Section No. 384.3]

384.3 Reconditioned Equipment.

Reconditioned strut-type channel raceways and accessories shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_315.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 315 appeared in the First Draft Report on First Revision No. 7652.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7652

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 22:01:28 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 315-NFPA 70-2024 [Section No. 384.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:39:42 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7652-NFPA 70-2024 [New Section after 384.1]

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. 619-NFPA 70-2024 [Section No. 386.3]

386.3 Reconditioned Equipment.

Reconditioned surface metal raceways and associated fittings shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_316.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 316 appeared in the First Draft Report on First Revision No. 7653.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment base on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7653

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 22:03:03 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 316-NFPA 70-2024 [Section No. 386.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:41:23 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment base on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7653-NFPA 70-2024 [New Section after 386.1]

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. 620-NFPA 70-2024 [Section No. 388.3]

388.3 Reconditioned Equipment.

Reconditioned surface nonmetallic raceways and associated fittings shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_317.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 317 appeared in the First Draft Report on First Revision No. 7654.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usebility Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7654

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 22:04:22 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 317-NFPA 70-2024 [Section No. 388.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:42:47 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usebility Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7654-NFPA 70-2024 [New Section after 388.1]

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. 621-NFPA 70-2024 [Section No. 390.3]

390.3 Reconditioned Equipment.

Reconditioned underfloor raceways shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_318.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 318 appeared in the First Draft Report on First Revision No. 7673.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7673

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 22:05:53 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 318-NFPA 70-2024 [Section No. 390.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:43:44 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7673-NFPA 70-2024 [New Section after 390.1]

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. 62-NFPA 70-2024 [Section No. 392.1]

392.1 Scope.

This article covers cable tray systems, including ladder, ventilated trough, ventilated channel, solid bottom, and other similar structures.

Informational Note: See ANSI/~~NEMA VE 1-2017~~ NEMA BI-50015-2024 (NEMA VE-1) , *Metal Cable Tray Systems*, NECA/NEMA 105-2015, *Standard for Installing Metal Cable Tray Systems*, NEMA BI-50016-2024 (NEMA VE- 2~~-2018~~) , *Cable Tray Installation Guidelines*, and UL 568-2002, *Standard for Safety for Nonmetallic Cable Tray Systems* for further information on cable trays.

Statement of Problem and Substantiation for Public Comment

This public comment was created to update the Standard Numbers for both NEMA VE-1 and NEMA VE-2 and the edition dates for both. VE-1 and VE-2 is maintained as information through the transition between the new standard numbers.

Related Item

• FR 7726

Submitter Information Verification

Submitter Full Name: David Kendall
Organization: ABB Inc.
Street Address:
City:
State:
Zip:
Submittal Date: Mon Jul 15 09:07:02 EDT 2024
Committee: NEC-P08

Public Comment No. 622-NFPA 70-2024 [Section No. 392.3]

392.3 Reconditioned Equipment.

Reconditioned cable trays and associated fittings shall not be permitted.

Additional Proposed Changes

File Name	Description	Approved
CN_319.pdf		

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 319 appeared in the First Draft Report on First Revision No. 7655.

The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:
XXX.3 Reconditioned Equipment
(A) Permitted to be Installed
The installation of the following reconditioned equipment shall be permitted.
(1) List item one
(2) List item two
(B) Not Permitted to be Installed
The installation of the following reconditioned equipment shall not be permitted.
(1) List item one
(2) List item two
(if only a single permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall be permitted.
(if only a single not permitted use)
XXX.3 Reconditioned Equipment
The installation of reconditioned (item) shall not be permitted.

Related Item

• First Revision No. 7655

Submitter Information Verification

Submitter Full Name: CC Notes
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Thu Aug 01 22:07:13 EDT 2024
Committee: NEC-P08

Correlating Committee Note No. 319-NFPA 70-2024 [Section No. 392.3]

Submitter Information Verification

Committee: NEC-AAC
Submittal Date: Thu May 09 23:44:58 EDT 2024

Committee Statement

Committee Statement: The Correlating Committee directs CMP 8 to review the language used for reconditioned equipment based on the Correlating Committee Usability Task Group's recommended format:

XXX.3 Reconditioned Equipment

(A) Permitted to be Installed

The installation of the following reconditioned equipment shall be permitted.

(1) List item one

(2) List item two

(B) Not Permitted to be Installed

The installation of the following reconditioned equipment shall not be permitted.

(1) List item one

(2) List item two

(if only a single permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall be permitted.

(if only a single not permitted use)

XXX.3 Reconditioned Equipment

The installation of reconditioned (item) shall not be permitted.

First Revision No. 7655-NFPA 70-2024 [New Section after 392.1]

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. 1920-NFPA 70-2024 [Section No. 392.30(B)]

(B) Cables and Conductors.

Cables and conductors shall be secured to and supported by the cable tray system in accordance with the following, as applicable:

(1) In other than horizontal runs, the cables shall be fastened securely to transverse members of the cable tray.

(2) Supports shall be provided to prevent stress on cables where they enter raceways from cable tray systems.

(3) The system shall provide for the support of cables and raceway wiring methods in accordance with their corresponding articles. Where cable trays support individual conductors or multiconductor cables and where the conductors or multiconductor cables pass from one cable tray to another, or from a cable tray to raceway(s) or from a cable tray to equipment where the conductors are terminated, the distance between the cable trays or between the cable tray and the raceway(s) or the equipment shall not exceed 1.8 m (6 ft). The conductors shall be secured to the cable tray(s) at the transition, and they shall be protected, by guarding or by location, from physical damage.

(4) Cable ties shall be listed and identified for the application and for securement and support.

(5) Listed Cable Cleats shall be used when fault currents could reach 60kA or higher.

Additional Proposed Changes

File Name	Description	Approved
Short_Circuit_Test_T303_153kA.pdf	Cable Cleat Short Circuit test	
Cable_Ties_Short_Circuit_Capabilities.pdf	Cable Ties Short Circuit capability	

Statement of Problem and Substantiation for Public Comment

When fault currents reach 60kA rms they produce a repulsive force greater than 1000 pounds force which is enough to have the cable jump out of standard securement options. Fault currents in large industrial electrical systems regularly encounter fault current magnetic forces in excess of 3 tons. This has resulted in 250kcmil cable being expelled from the cable tray system and flopping around (Fire hosing) until the upstream circuit breaker cleared the fault. Using cable restraints that cannot handle the force created from larger fault currents can result in hazards to people and property. Testing has been completed showing that Cable Cleats can handle fault currents of 153kA peak current and that steel cable ties can only handle at most 71kA of fault current.

This change would not only increase safety in cable management installations but would bring the NEC closer to harmonizing cable in cable tray restraining safety requirements with other electrical installation standards. Such as European standard EN 50368, Canadian Electrical Code, and the American Petroleum Institute RP 14 F (Installation of Electrical Systems for Fixed and Floating offshore Petroleum Facilities.

Related Item

• Public Input 4349

Submitter Information Verification

Submitter Full Name: Raymond Horner

Organization:	Atkore International
Street Address:	
City:	
State:	
Zip:	
Submittal Date:	Wed Aug 28 09:41:10 EDT 2024
Committee:	NEC-P08

Public Comment No. 327
Assigned to CMP - 1 Referred to CMPs 2 - 17

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

File Name	Description	Approved
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
Street Address:
City:
State:
Zip:
Submittal Date: Mon Jul 29 17:05:29 EDT 2024
Committee: NEC-P01

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

File Name	Description	Approved
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
Organization: NEC Correlating Committee
Street Address:
City:
State:
Zip:
Submittal Date: Tue Jul 30 17:35:49 EDT 2024
Committee: NEC-P05

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
Assigned to CMP-18, Referred to CMPs 1 - 17

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

The Correlating Committee directs the CMPs to review the revision of the title of Article406 (Wiring Devices) and the new definition for the term "wiring device" in Article 100 forcorrelation of existing terminology using the newly define term in their articles.

Additional Proposed Changes

File Name	Description	Approved
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

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
Assigned to CMP- 2, Referred to CMPs 1 - 18

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 Article120.

Additional Proposed Changes

File Name	Description	Approved
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

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
Assigned to CMP-3, Referred to CMPs 1 - 18

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

File Name	Description	Approved
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

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.

Public Comment No. 649-NFPA 70-2024 [Global Input]

Delete the words, "to be installed" everywhere they appear in the First Draft.

Statement of Problem and Substantiation for Public Comment

The term "to be installed" is always redundant. 90.2(C) says, "This code covers the installation and removal of electrical conductors, equipment, and raceways...". Every requirement of the NEC is about installation or removal (and requirements about removal are a very small minority). "Shall be permitted" and "shall not be permitted," as applied to equipment, mean that the subject equipment either is or is not allowed to be installed.
The new First Draft restrictions on reconditioned equipment seem to have overlooked the scope and purpose of the NEC. Adding the superfluous term "to be installed" also does not conform to 3.1.1, 3.1.2, and 3.5.1.1 of the NEC Style Manual.

Related Item

• FR-9197 • FR-9236 • FR-7868 • PI-3713 • FR-8938 • FR-7970 • FR-8831 • FR-8941 • FR-8944 • FR-8947 • FR-7925 • FR-7585 • FR-8136 • FR-8148 • FR-8984 • FR-8293 • FR-8362 • FR-8348 • FR-8360 • FR-7614 • FR-7658 • FR-7734 • FR-7746 • FR-8150 • FR-7717

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