Public Comment No. 19-NFPA 99-2022 [Global Input]

[See attached "NFPA 99 CCN_19"]

Additional Proposed Changes

File Name	Description	Approved
NFPA_99_CCN_19.pdf	NFPA 99 CCN_19	

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 19 appeared in the First Draft Report on First Revision No. 949.

Revise references to 6.7.1.1.3, which is being deleted, in 6.7.5.3.1 and 6.7.6.4.1.

Related Item

- FR-949

Submitter Information Verification

Submitter Full Name: CC on HEA-AAC
Organization: NFPA
Street Address:
City:
State:
Zip:
Submittal Date: Fri Mar 18 10:40:12 EDT 2022
Committee: HEA-ELS

Committee Statement

Committee Action: Rejected but see related SR
Resolution: SR-1114-NFPA 99-2022
Statement: The revision is made to delete the referenced section that has been merged into 6.7.1.2.2.

Correlating Committee Note No. 19-NFPA 99-2022 [Section No. 6.7.1.1.3]

Submitter Information Verification

Committee: HEA-AAC
Submittal Date: Fri Jan 21 10:49:55 EST 2022

Committee Statement

Committee Statement: Revise references to 6.7.1.1.3, which is being deleted, in 6.7.5.3.1 and 6.7.6.4.1.

First Revision No. 949-NFPA 99-2021 [Section No. 6.7.1.1.3]

Ballot Results

✔ **This item has passed ballot**

16 Eligible Voters
4 Not Returned
12 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Ashby, H. Shane

Brooks, Bruce D.

Dagenais, David A.

Hijazi, Robert

Affirmative All

Beebe, Chad E.

Burrill, Gordon D.

Ferrari, Keith

Finnegan, Daniel P.

Gagnon, Robert M.

Galloway, Ronald E.

Gilyeat, Sharon S.

Kennedy, Chad

Reiswig, Rodger

Rosenbaum, Eric R.

Sontag, Robert

Versteeg, Joseph H.

Public Comment No. 7-NFPA 99-2022 [Section No. 3.3.122]

~~**3.3.122** – Nonessential Electrical Loads.~~

~~Those electrical loads of a health care facility that do not require multiple power sources. (ELS)~~

Additional Proposed Changes

File Name	Description	Approved
NFPA_99_CCN_2.pdf	NFPA 99 CCN_2	

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 2 appeared in the First Draft Report on First Revision No. 941.

Consider deleting this definition. The term 'nonessential electrical loads' is not used in NFPA 99.

Related Item

- FR-941

Submitter Information Verification

Submitter Full Name: CC on HEA-AAC
Organization: NFPA
Street Address:
City:
State:
Zip:
Submittal Date: Fri Mar 18 06:42:16 EDT 2022
Committee: HEA-ELS

Committee Statement

Committee Action: Rejected
Resolution: This definition is used in the definition of "power source" in 3.3.149.

Correlating Committee Note No. 2-NFPA 99-2022 [New Section after 3.3.122]

Submitter Information Verification

Committee: HEA-AAC
Submittal Date: Thu Jan 20 15:23:17 EST 2022

Committee Statement

Committee Statement: Consider deleting this definition. The term 'nonessential electrical loads' is not used in NFPA 99.

First Revision No. 941-NFPA 99-2021 [New Section after 3.3.122]

Ballot Results

✔ **This item has passed ballot**

16 Eligible Voters
4 Not Returned
12 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Ashby, H. Shane

Brooks, Bruce D.

Dagenais, David A.

Hijazi, Robert

Affirmative All

Beebe, Chad E.

Burrill, Gordon D.

Ferrari, Keith

Finnegan, Daniel P.

Gagnon, Robert M.

Galloway, Ronald E.

Gilyeat, Sharon S.

Kennedy, Chad

Reiswig, Rodger

Rosenbaum, Eric R.

Sontag, Robert

Versteeg, Joseph H.

Public Comment No. 44-NFPA 99-2022 [Section No. 3.3.149]

3.3.

4 _ Alternate Power

Source .

One or more

~~149~~

~~- Sources~~

~~A system of one~~

~~- off-site or one or more on-site power generation or storage components intended to provide power to nonessential loads and the essential electrical system~~

generator sets, or battery systems where permitted, intended to provide power during the interruption of the normal electrical service; or the public utility electrical service intended to provide power during interruption of service normally provided by the generating facilities on the premises . (ELS)

Statement of Problem and Substantiation for Public Comment

The original definition needs to be retained at this time. Alternate power sources or alternate power are still used 23 times in this code. Removal of alternate in the definition needs to be simultaneous with changes to these other sections to remove alternate. Unfortunately, it is too late at the second revision to change these other sections.

"Alternate power source" or "alternate power" is still used in the following places:
6.7.1.2
6.7.1.2.3.1
6.7.1.3.4.2
6.7.2.2.2
6.7.2.2.4
6.7.2.2.4.2
6.7.3.3
6.7.3.5
6.7.3.6
6.7.4.1.1
6.7.4.1.1.1
6.7.5.1.4.2
6.7.5.1.4.3
6.7.5.1.4.4
6.7.5.3.1
6.7.6.2.1.6
6.7.6.4.1
6.11.4.4
A6.1 A6.7.1.1 A6.7.2 A6.7.5.1.4.3 B6.3

Related Item

• First Revision No. 942-NFPA 99-2021

Submitter Information Verification

Submitter Full Name: Thomas Papallo
Organization: Siemens Industry Inc.
Street Address:
City:
State:
Zip:
Submittal Date: Tue Apr 12 08:50:59 EDT 2022
Committee: HEA-ELS

Committee Statement

Committee Action: Rejected

Resolution: The committee has removed the terms "alternate power" and "alternate power source(s)" throughout Chapter 6 and associated annex material.

Public Comment No. 17-NFPA 99-2022 [Section No. 6.2.4.1]

6.2.4.1

Electrical system components shall be located to minimize interruptions caused by natural forces common to the area (e.g., storms, floods, earthquakes, or hazards created by adjoining structures or activities).

Additional Proposed Changes

File Name	Description	Approved
NFPA_99_CCN_15.pdf	NFPA 99 CCN_15	

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 15 appeared in the First Draft Report on First Revision No. 943.

Consider relocating the "e.g list" in 6.2.4.1 to Annex A.

Related Item

- FR-943

Submitter Information Verification

Submitter Full Name: CC on HEA-AAC
Organization: NFPA
Street Address:
City:
State:
Zip:
Submittal Date: Fri Mar 18 10:15:53 EDT 2022
Committee: HEA-ELS

Committee Statement

Committee Action: Rejected but see related SR
Resolution: SR-1000-NFPA 99-2022
Statement: The information "e.g." references have been deleted in accordance with the direction in Public Comment 17. The inclusion of the reference to the "emergency operations plan" is consistent with Chapter 12.

Correlating Committee Note No. 15-NFPA 99-2022 [Section No. 6.2.4]

Submitter Information Verification

Committee: HEA-AAC
Submittal Date: Thu Jan 20 16:08:02 EST 2022

Committee Statement

Committee Statement: Consider relocating the "e.g. list" in 6.2.4.1 to Annex A.

First Revision No. 943-NFPA 99-2021 [Section No. 6.2.4]

Ballot Results

This item has passed ballot

16 Eligible Voters
4 Not Returned
12 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Ashby, H. Shane
Brooks, Bruce D.
Dagenais, David A.
Hijazi, Robert

Affirmative All

Beebe, Chad E.
Burrill, Gordon D.
Ferrari, Keith
Finnegan, Daniel P.
Gagnon, Robert M.
Galloway, Ronald E.
Gilyeat, Sharon S.
Kennedy, Chad
Reiswig, Rodger
Rosenbaum, Eric R.
Sontag, Robert
Versteeg, Joseph H.

Public Comment No. 18-NFPA 99-2022 [Section No. 6.3.2.3.7]

6.3.2.3.7

The use of an isolated power system (IPS) shall be permitted as a protective means capable of limiting ground-fault current without power interruption ~~.~~

~~**6.3.2.3.7.1** –~~

~~When installed, the IPS shall conform~~

where it conforms to the requirements of 6.3.2.9 .

Additional Proposed Changes

File Name	Description	Approved
NFPA_99_CCN_17.pdf	NFPA 99 CCN_17	

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 17 appeared in the First Draft Report on First Revision No. 909.

Consider revising to read, "The use of an isolated power system (IPS) shall be permitted as a protective means capable of limiting ground-fault current without power interruption where it conforms to the requirements of 6.3.2.9," and delete 6.3.2.3.7.1 (Manual of Style).

Related Item

• FR-909

Submitter Information Verification

Submitter Full Name: CC on HEA-AAC
Organization: NFPA
Street Address:
City:
State:
Zip:
Submittal Date: Fri Mar 18 10:35:40 EDT 2022
Committee: HEA-ELS

Committee Statement

Committee Action: Rejected but see related SR
Resolution: SR-1003-NFPA 99-2022
Statement: The second revision clarifies the requirement and makes it a conditional statement rather than one of location.

Correlating Committee Note No. 17-NFPA 99-2022 [Section No. 6.3.2.3.7]

Submitter Information Verification

Committee: HEA-AAC
Submittal Date: Thu Jan 20 16:13:02 EST 2022

Committee Statement

Committee Statement: Consider revising to read, "The use of an isolated power system (IPS) shall be permitted as a protective means capable of limiting ground-fault current without power interruption where it conforms to the requirements of 6.3.2.9," and delete 6.3.2.3.7.1 (Manual of Style).

First Revision No. 909-NFPA 99-2021 [Section No. 6.3.2.3.7]

Ballot Results

✔ **This item has passed ballot**

16 Eligible Voters
4 Not Returned
12 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Ashby, H. Shane

Brooks, Bruce D.

Dagenais, David A.

Hijazi, Robert

Affirmative All

Beebe, Chad E.

Burrill, Gordon D.

Ferrari, Keith

Finnegan, Daniel P.

Gagnon, Robert M.

Galloway, Ronald E.

Gilyeat, Sharon S.

Kennedy, Chad

Reiswig, Rodger

Rosenbaum, Eric R.

Sontag, Robert

Versteeg, Joseph H.

Public Comment No. 42-NFPA 99-2022 [Section No. 6.3.2.8]

6.3.2.8 Ground Fault Protection.

6.3.2.8.1 Equipment Protection

6.3.2.8.1.1 Applicability.

The requirements of 6.3.2.8.2 ~~shall~~ 1 shall apply to health care facilities housing Category 1 spaces or utilizing life-support equipment and buildings that provide essential utilities or services for the operation of Category 1 spaces or electrical life-support equipment.

6.3.2.8.1. 2 Disconnecting Means

Where ground-fault protection is provided for operation of the service or feeder disconnecting means in accordance with 517.17 of NFPA 70 , an additional step of ground-fault protection shall be provided ~~in~~ at the disconnecting means for the next level of ~~feeder~~ feeders downstream toward the load.

6.3.2.8.1. 3 – Selectivity

Ground-fault protection for operation of the service and feeder disconnecting means shall be fully selective such that the downstream device and not the upstream device shall open for downstream ground faults.

~~6.3.~~

6.3.2.8.4 ~~*~~ – ~~Equipment Protection.~~

~~The main and downstream ground-fault protective devices (where required) shall be coordinated as required in~~

2

~~.8.~~

~~**6.3.2.8.5**~~ Personnel Protection.

Ground-fault circuit interrupters (GFCIs) shall be listed.

Statement of Problem and Substantiation for Public Comment

Overview: This public comment attempts to address the technical committee's comment to PI 95 which was resolved. It proposes to restructure and retitle the section to reflect the specific requirements, delete redundant language, and revise language to provide clarity and consistency for users of the document. A review of NFPA 99 editions as far back as 1996 shows that the requirements in 6.3.2.8 have been combined from other sections and reworded since then.

First, the section has been restructured to clarify specific equipment protection in proposed 6.3.2.8.1, and specific personnel protection in proposed 6.3.2.8.2. Paragraph titles have also been added to provide clarity and assist users navigate the requirements as follows: 6.3.2.8.1.2 is now titled Disconnecting Means and 6.3.2.8.1.3 is now titled Selectivity. This also improves consistency as the other paragraphs in this section have existing titles.

Second, 6.3.2.8.1.2 is titled Disconnecting Means to reflect the requirements, which address both service and feeder disconnecting means. The text is revised to note requirements that exist in Section 517.17 of NFPA 70 to supplement and enhance the performance requirements for when ground fault protection is provided. The 517.17 reference is needed to clarify when ground fault protection is required to be provided. Additionally, for clarity and consistency, text has been added to reference "at the disconnecting means" as to where the ground fault protection is required to be installed.

Third, existing 6.3.2.8.4 is deleted as the requirement is redundant with 6.3.2.8.1.3. It also redundant as it points back to the entire section with the reference to 6.3.2.8.

Related Item

• PI 95

Submitter Information Verification

Submitter Full Name: Vincent Della Croce
Organization: Siemens
Street Address:
City:
State:
Zip:
Submittal Date: Thu Mar 31 08:02:24 EDT 2022
Committee: HEA-ELS

Committee Statement

Committee Action: Rejected but see related SR

Resolution: SR-1006-NFPA 99-2022

Statement: The second revision restructures and retitles the section to reflect the specific requirements, deletes redundant language, and revises language to provide clarity and consistency for users of the document.

First, the section has been restructured to clarify specific equipment protection in proposed 6.3.2.8.1, and specific personnel protection in proposed 6.3.2.8.2. Paragraph titles have also been added to provide clarity and assist users navigate the requirements as follows: 6.3.2.8.1.2 is now titled Disconnecting Means and 6.3.2.8.1.3 is now titled Selectivity. This also improves consistency as the other paragraphs in this section have existing titles.

Second, 6.3.2.8.1.2 is titled Disconnecting Means to reflect the requirements, which address both service and feeder disconnecting means. The text is revised to note requirements that exist in Section 517.17 of NFPA 70 to supplement and enhance the performance requirements for when ground fault protection is provided. The 517.17 reference is needed to clarify when ground fault protection is required to be provided. Additionally, for clarity and consistency, text has been added to reference “at the disconnecting means” as to where the ground fault protection is required to be installed.

Third, existing 6.3.2.8.4 is deleted as the requirement is redundant with 6.3.2.8.1.3. It also redundant as it points back to the entire section with the reference to 6.3.2.8.

Public Comment No. 20-NFPA 99-2022 [Section No. 6.7.1.2.7.2]

6.7.1.2.7.2

The annunciator shall be hard-wired to indicate alarm conditions of the emergency or auxiliary power source as indicated in 6.7.1.2.7.2(A) through 6.7.1.2.7.2(I).

(A)

Individual visual signals shall indicate the following:

(1) When the emergency or auxiliary power source is operating to supply power to load

(2) When the battery charger is malfunctioning (if provided)

(B)*

A remote, common audible alarm shall be provided as specified in 6.7.1.2.7.2(H). [**110:**5.6.6]

(C)

Local annunciation and either facility or network remote annunciation shall be provided for Level 1 EPS.

(D)

For the purposes of defining the types of annunciation in 6.7.1.2.7.2(C), the following shall apply:

(1) Local annunciation is located on the equipment itself or within the same equipment room.

(2) Facility remote annunciation is located on site but not within the room where the equipment is located.

(3) Network remote annunciation is located off site.

[**110:**5.6.6.3]

(E)

An alarm-silencing means shall be provided, and the panel shall include repetitive alarm circuitry so that, after the audible alarm has been silenced, it reactivates after the fault condition has been cleared and has to be restored to its normal position to be silenced again. [**110:**5.6.6.4]

(F)

In lieu of the requirement in 5.6.6.4 of NFPA 110, a manual alarm-silencing means shall be permitted that silences the audible alarm after the occurrence of the alarm condition, provided such means do not inhibit any subsequent alarms from sounding the audible alarm again without further manual action. [**110:**5.6.6.5]

(G)

Individual alarm indication to annunciate any of the conditions listed in Table 6.7.1.3.8.2 shall have the following characteristics:

(1) Be battery powered

(2) Be visually indicated

(3) Have additional contacts or circuits for a common audible alarm that signals locally and remotely when any of the itemized conditions occurs

(4) Have switches to test the operation of all visual alarm indicators

(H)*

A centralized computer system shall not be permitted to be substituted for the alarm annunciator in 6.7.1.2.7 but shall be permitted to be used to supplement the alarm annunciator.

(I)

Wireless transmission of the EPS data required by 6.7.1.3.8.2 and 6.7.1.3.8.3 shall be permitted.

Additional Proposed Changes

File Name	Description	Approved
NFPA_99_CCN_21.pdf	NFPA 99 CCN_21	

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 21 appeared in the First Draft Report on First Revision No. 915 and is also related to Public Input No. 17.

Consider the affirmative comment of Rock as it relates to the use of the abbreviation EPS. If EPS is used, add a definition.

Related Item

• FR-915 • PI-17

Submitter Information Verification

Submitter Full Name: CC on HEA-AAC
Organization: NFPA
Street Address:
City:
State:
Zip:
Submittal Date: Fri Mar 18 10:45:51 EDT 2022
Committee: HEA-ELS

Committee Statement

Committee Action: Rejected but see related SR

Resolution: SR-1054-NFPA 99-2022

Statement: NOTE: The following CC Note No. 21 appeared in the First Draft Report on First Revision No. 915 and is also related to Public Input No. 17.

Consider the affirmative comment of Rock as it relates to the use of the abbreviation EPS. If EPS is used, add a definition.

Correlating Committee Note No. 21-NFPA 99-2022 [Section No. 6.7.1.2.7.2(C)]

Submitter Information Verification

Committee: HEA-AAC
Submittal Date: Fri Jan 21 11:43:47 EST 2022

Committee Statement

Committee Statement: Consider the affirmative comment of Rock as it relates to the use of the abbreviation EPS. If EPS is used, add a definition.

First Revision No. 915-NFPA 99-2021 [Section No. 6.7.1.2.7.2(C)]

Ballot Results

✔ **This item has passed ballot**

16 Eligible Voters
4 Not Returned
12 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Ashby, H. Shane

Brooks, Bruce D.

Dagenais, David A.

Hijazi, Robert

Affirmative All

Beebe, Chad E.

Burrill, Gordon D.

Ferrari, Keith

Finnegan, Daniel P.

Gagnon, Robert M.

Galloway, Ronald E.

Gilyeat, Sharon S.

Kennedy, Chad

Reiswig, Rodger

Rosenbaum, Eric R.

Sontag, Robert

Versteeg, Joseph H.

First Revision No. 915-NFPA 99-2021 [Section No. 6.7.1.2.7.2(C)]

(C)

~~For Level 1 EPS, at a minimum, local~~ Local annunciation and either facility or network remote annunciation shall be provided for Level 1 EPS .

Submitter Information Verification

Committee: HEA-ELS
Submittal Date: Mon Jul 12 14:40:37 EDT 2021

Committee Statement and Meeting Notes

Committee Statement: The requirement is revised to remove superfluous text.
Response Message: FR-915-NFPA 99-2021

Public Input No. 17-NFPA 99-2020 [Section No. 6.7.1.2.7.2(C)]

Ballot Results

This item has passed ballot

33 Eligible Voters
6 Not Returned
23 Affirmative All
4 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Day, Richard L.

Hoegberg, Leif

Riechers, Keith

Rink, Mike

Vann, Joshua

Vernon, IV, Walter N.

Affirmative All

Beckstrand, Gary A.

Campbell, David M.

Chandler, H. David

Chilton, Nancy W.

Chisholm, Jr., Dan

Daugherty, Herbert H.

Ehrenwerth, Jan

Elliott, Steven A.

Finen, Chris M.

Gwynn, Pamela

Lipster, Stephen M.

McKinch, Terrance L.

Parrish, Thomas J.

Porter, Kevin T.

Rabel, Don

Rea, Vincent M.

Sappington, Steve R.

Savage, Sr., Michael L.

Scarlett, Kevin A.

Smidt, Ronald M.

White, Leonard W.

Williams, David A.

Wolff, Robert

Affirmative with Comment

Biason, Krista McDonald

Agree

D?Antona, Jason

Agree.

Della Croce, Vincent

Agree

Rock, Brian E.

¤ NOTE TO CORRELATION COMMITTEE: • HEA-AAC has an existing correlation problem that is further complicated by UNEXPLAINED acronym "EPS" here and by HEA-ELS removing references to NFPA 110. Throughout Chapter 6, the same acronyms with different meanings are used (or referenced here), either completely UNEXPLAINED or EXPLAINED DIFFERENTLY IN A LATER ENTRIES in violation of Manual Of Style 3.2.5.1.1. Specifically, acronym "EPS" is used for both NFPA110-extracted "Emergency Power Supply" [110: 3.3.3; also 99: 6.3.2.6.4 extract from 110: 7.3.1] and for "Essential Power Source" [99: 6.10.2.2] and acronym "EPSS" is used for NFPA110-extracted "Emergency Power Supply System" [110: 3.3.4; 99: 6.11 title]. RECONCILE OR ADD ACRONYMS TO DEFINITIONS.

Editorial Comment

Click here

Public Comment No. 101-NFPA 99-2022 [Section No. 6.7.2.1.3.16]

6.7.2.1.3.16 Automatic Transfer Switch.

Transfer of all loads shall be accomplished using an automatic transfer switch(es). Each automatic transfer switch of 600 V or less shall be listed for the purpose and approved for emergency electrical service ~~*(see Section 700.3 of NFPA 70)*~~ - as a complete assembly.

Statement of Problem and Substantiation for Public Comment

The information in the parentheses should be removed. If necessary, it should be included in the annex information.

Related Item

- FR-936

Submitter Information Verification

Submitter Full Name: Chad Beebe
Organization: ASHE-AHA
Street Address:
City:
State:
Zip:
Submittal Date: Tue May 31 12:16:15 EDT 2022
Committee: HEA-ELS

Committee Statement

Committee Action: Rejected but see related SR

Resolution: SR-1008-NFPA 99-2022

Statement: The revision corrects the NFPA section that is referenced from 700.3 to 700.5 and moves that statement to Annex A. The requirement is revised to state “marked for emergency use” which correlates the language with UL1008 Transfer Switch Equipment, Section 5.2.1.32 Marking Requirements. As automatic transfer equipment is required to be listed, marking requirements are addressed as part of the listing agencies product certification. The reference to a “complete assembly” is redundant and unnecessary due to the listing requirement of this section. UL 1008 requires all transfer switches to be complete assemblies to obtain listing/product certification.

Public Comment No. 41-NFPA 99-2022 [Section No. 6.7.2.1.3.16]

6.7.2.1.3.16 Automatic Transfer Switch.

Transfer of all loads shall be accomplished using an automatic transfer switch(es). Each automatic transfer switch of 600 V or less shall be listed for the purpose and ~~approved for emergency electrical service~~ marked for emergency use. *(see Section 700.~~3 of~~ 5 of NFPA 70)* ~~as a complete assembly.~~

Statement of Problem and Substantiation for Public Comment

This PC is a follow up to PI 90, which was resolved.
First, the word "approved" is redundant, thus deleted based on:
1- It is defined term at Section 3.2.1 and states "acceptable to the authority having jurisdiction"
2- Section 6.1.1 states the "installation shall be in accordance with NFPA 70"
Second, to improve clarity and usability, the incorrect reference to NFPA 70. Section 700.3 Test and Maintenance is revised to 700.5 Transfer Equipment. By correcting the code sections, users of both NFPA 70 and NFPA 99 will be able to navigate accordingly between the two documents without confusion.
Third, a revision is made to state "marked for emergency use" which correlates the language with UL 1008 Transfer Switch Equipment, Section 5.2.1.32 Marking Requirements. As automatic transfer equipment is required to be listed, marking requirements are addressed as part of the listing agencies product certification.
Fourth, the reference to a "complete assembly" is redundant and unnecessary due to the listing requirement of this section. UL 1008 requires all transfer switches to be complete assemblies to obtain listing/product certification.

Related Item

• PI 90

Submitter Information Verification

Submitter Full Name: Vincent Della Croce
Organization: Siemens
Street Address:
City:
State:
Zip:
Submittal Date: Thu Mar 31 07:52:29 EDT 2022
Committee: HEA-ELS

Committee Statement

Committee Action: Rejected but see related SR

Resolution: SR-1008-NFPA 99-2022

Statement: The revision corrects the NFPA section that is referenced from 700.3 to 700.5 and moves that statement to Annex A. The requirement is revised to state "marked for emergency use" which correlates the language with UL1008 Transfer Switch Equipment, Section 5.2.1.32 Marking Requirements. As automatic transfer equipment is required to

be listed, marking requirements are addressed as part of the listing agencies product certification. The reference to a “complete assembly” is redundant and unnecessary due to the listing requirement of this section. UL 1008 requires all transfer switches to be complete assemblies to obtain listing/product certification.

Public Comment No. 21-NFPA 99-2022 [Section No. 6.7.3.4]

6.7.3.4 Generator Control Wiring.

Control conductors installed between the transfer switch and the emergency generator(s) shall be kept entirely independent of all other wiring.

6.7.3.4.1

The integrity of the generator remote start circuit shall be monitored for broken, disconnected, or shorted wires.

6.7.3.4.2

Loss of integrity shall start the generator(s).

Additional Proposed Changes

File Name	Description	Approved
NFPA_99_CCN_23.pdf	NFPA 99 CCN_23	

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 23 appeared in the First Draft Report on First Revision No. 937.

Consider whether the term 'shorted' or 'short circuited' is the technically correct term.

Related Item

- FR-937

Submitter Information Verification

Submitter Full Name: CC on HEA-AAC
Organization: NFPA
Street Address:
City:
State:
Zip:
Submittal Date: Fri Mar 18 11:00:34 EDT 2022
Committee: HEA-ELS

Committee Statement

Committee Action: Rejected but see related SR
Resolution: SR-1009-NFPA 99-2022
Statement: The revision corrects the language to use recognized industry terminology.

Correlating Committee Note No. 23-NFPA 99-2022 [New Section after 6.7.3.3]

Submitter Information Verification

Committee: HEA-AAC
Submittal Date: Fri Jan 21 11:48:34 EST 2022

Committee Statement

Committee Statement: Consider whether the term 'shorted' or 'short circuited' is the technically correct term.

First Revision No. 937-NFPA 99-2021 [New Section after 6.7.3.3]

Ballot Results

✔ **This item has passed ballot**

16 Eligible Voters
4 Not Returned
12 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Ashby, H. Shane

Brooks, Bruce D.

Dagenais, David A.

Hijazi, Robert

Affirmative All

Beebe, Chad E.

Burrill, Gordon D.

Ferrari, Keith

Finnegan, Daniel P.

Gagnon, Robert M.

Galloway, Ronald E.

Gilyeat, Sharon S.

Kennedy, Chad

Reiswig, Rodger

Rosenbaum, Eric R.

Sontag, Robert

Versteeg, Joseph H.

Public Comment No. 100-NFPA 99-2022 [Section No. 6.7.4.1.1.3]

6.7.4.1.1.3

Maintenance shall be performed in accordance with ~~Chapter 8 of NFPA 110.~~ 6.9.4.2

Statement of Problem and Substantiation for Public Comment

The current language in this section would not permit users to follow the AEM program identified in 6.9.4.2 or 6.10

Related Item

- FR-927

Submitter Information Verification

Submitter Full Name: Chad Beebe
Organization: ASHE-AHA
Street Address:
City:
State:
Zip:
Submittal Date: Tue May 31 12:00:43 EDT 2022
Committee: HEA-ELS

Committee Statement

Committee Action: Rejected but see related SR
Resolution: SR-1109-NFPA 99-2022
Statement: The reference to Section 6.9 is the correct reference for electrical system preventive maintenance.

Public Comment No. 22-NFPA 99-2022 [Section No. 6.7.5.1.2.8]

6.7.5.1.2.8 Life Safety Lighting Dimmer and Relay Systems.

A dimmer or relay system containing more than one dimmer or relay and listed for emergency use shall be permitted to be used as a control device for energizing life safety lighting circuits.

(A)

Upon failure of normal power, the dimmer or relay system shall be permitted to selectively energize only those branch circuits necessary to provide minimum required illumination using a control bypass function.

(B)

Where the dimmer or relay system is fed by an upstream transfer switch, normal power sensing for this function shall be permitted to be from a normal-only power source upstream of the transfer switch.

Additional Proposed Changes

File Name	Description	Approved
NFPA_99_CCN_25.pdf	NFPA 99 CCN_25	

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 25 appeared in the First Draft Report on First Revision No. 930.

Consider whether the term "fed" or "supplied" is consistent with the remainder of the Code.

Related Item

- FR-930

Submitter Information Verification

Submitter Full Name: CC on HEA-AAC
Organization: NFPA
Street Address:
City:
State:
Zip:
Submittal Date: Fri Mar 18 11:07:37 EDT 2022
Committee: HEA-ELS

Committee Statement

Committee Action: Accepted
Resolution: SR-1011-NFPA 99-2022
Statement: The revision uses terminology that is more appropriate for a technical document and is correct as used in this section.

Correlating Committee Note No. 25-NFPA 99-2022 [New Section after 6.7.5.1.2.7]

Submitter Information Verification

Committee: HEA-AAC
Submittal Date: Fri Jan 21 11:56:08 EST 2022

Committee Statement

Committee Statement: Consider whether the term "fed" or "supplied" is consistent with the remainder of the Code.

First Revision No. 930-NFPA 99-2021 [New Section after 6.7.5.1.2.7]

Ballot Results

✔ **This item has passed ballot**

16 Eligible Voters
4 Not Returned
12 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Ashby, H. Shane

Brooks, Bruce D.

Dagenais, David A.

Hijazi, Robert

Affirmative All

Beebe, Chad E.

Burrill, Gordon D.

Ferrari, Keith

Finnegan, Daniel P.

Gagnon, Robert M.

Galloway, Ronald E.

Gilyeat, Sharon S.

Kennedy, Chad

Reiswig, Rodger

Rosenbaum, Eric R.

Sontag, Robert

Versteeg, Joseph H.

Public Comment No. 23-NFPA 99-2022 [Section No. 6.7.6.2.1.5]

6.7.6.2.1.5 Life Safety Branch.

(A)

The life safety branch shall supply power as follows:

(1) Illumination of means of egress in accordance with NFPA *101*

(2) Exit signs and exit directional signs in accordance with NFPA *101*

(3) Alarm and alerting systems, including the following:

(a) Fire alarms

(b) Alarms required for systems used for the piping of nonflammable medical gases as specified in Chapter 5

(4)* Communications systems, where used for issuing instructions during emergency conditions

(5) Task illumination and select receptacles at the generator set location

(6) Elevator cab lighting, control, communications, and signal systems

(B)

No functions, other than those listed in 6.7.6.2.1.5(A)(1) through 6.7.6.2.1.5(A)(6), shall be connected to the life safety.

(C) Branch Circuits for Life Safety Lighting.

Branch circuits that supply life safety lighting shall be served from a source in accordance with 6.7.1 when the normal supply for lighting is interrupted or where single circuits supply luminaries containing secondary batteries.

(D) Life Safety Lighting Circuit Switches.

Life safety lighting circuit switches shall meet the following requirements:

(1) The switch(es) for the life safety lighting circuits shall be arranged so that only authorized persons have control of the life safety lighting switch(es) unless one of the following conditions are met:

(a) Where two or more single-throw switches are connected in parallel to control a single circuit, at least one of these switches is accessible only to authorized persons.

(b) Additional switches are included that act only to put life safety lights into operation, but not to disconnect them.

(2) Switches connected in series or 3- and 4-way switches shall not be used.

(3) All manual switches for controlling life safety lighting shall meet the following requirements:

(a) The manual switches shall be in locations convenient to authorized persons responsible for their actuation unless there are multiple switches provided.

(b) One of the switches shall be permitted to be located so that it can only energize, but not de-energize, the circuit.

(E) Life Safety Lighting Dimmer and Relay Systems.

A dimmer or relay system containing more than one dimmer or relay and listed for emergency use shall be permitted to be used as a control device for energizing life safety lighting circuits. Upon failure of normal power, the dimmer or relay system shall be permitted to selectively energize only those branch circuits necessary to provide minimum required illumination using a control bypass function. Where the dimmer or relay system is fed by an upstream transfer switch, normal power sensing for this function shall be permitted to be from a normal-only power source upstream of the transfer switch.

(F) Life Safety Lighting Automatic Load Control Relay.

If a life safety lighting load is automatically energized upon loss of the normal supply, a listed automatic load control relay shall be permitted to energize the load. The load control relay shall not be used as transfer equipment.

Additional Proposed Changes

File Name	Description	Approved
NFPA_99_CCN_26.pdf	NFPA 99 CCN_26	

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. 957.

Consider whether the term "fed" or "supplied" is consistent with the remainder of the Code.

Related Item

- FR-957

Submitter Information Verification

Submitter Full Name: CC on HEA-AAC
Organization: NFPA
Street Address:
City:
State:
Zip:
Submittal Date: Fri Mar 18 11:12:02 EDT 2022
Committee: HEA-ELS

Committee Statement

Committee Action: Rejected but see related SR
Resolution: SR-1012-NFPA 99-2022
Statement: The revision uses terminology that is more appropriate for a technical document and is correct as used in this section.

Correlating Committee Note No. 26-NFPA 99-2022 [New Section after 6.7.6.2.1.5(D)]

Submitter Information Verification

Committee: HEA-AAC
Submittal Date: Fri Jan 21 11:58:59 EST 2022

Committee Statement

Committee Statement: Consider whether the term "fed" or "supplied" is consistent with the remainder of the Code.

First Revision No. 957-NFPA 99-2021 [New Section after 6.7.6.2.1.5(D)]

Ballot Results

✔ **This item has passed ballot**

16 Eligible Voters
4 Not Returned
12 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Ashby, H. Shane

Brooks, Bruce D.

Dagenais, David A.

Hijazi, Robert

Affirmative All

Beebe, Chad E.

Burrill, Gordon D.

Ferrari, Keith

Finnegan, Daniel P.

Gagnon, Robert M.

Galloway, Ronald E.

Gilyeat, Sharon S.

Kennedy, Chad

Reiswig, Rodger

Rosenbaum, Eric R.

Sontag, Robert

Versteeg, Joseph H.

Public Comment No. 16-NFPA 99-2022 [Section No. 6.10.2.2]

6.10.2.2

Any combination of generation, storage, or transformation assets shall be permitted to serve as the EPS for all or a portion of health care microgrids.

6.10.2.2.1

The combination of sources shall provide performance equivalent to that of the requirements of 6.7.1.2.1.

Additional Proposed Changes

File Name	Description	Approved
NFPA_99_CCN_14.pdf	NFPA 99 CCN_14	

Statement of Problem and Substantiation for Public Comment

NOTE: The following CC Note No. 14 appeared in the First Draft Report on First Revisions No. 926 and is also related to Public Input No. 248.

Consider the affirmative comment of Rock as it relates to the use of the abbreviation EPS. If EPS is used, add a definition.

Related Item

• FR-926 • PI-248

Submitter Information Verification

Submitter Full Name: CC on HEA-AAC
Organization: NFPA
Street Address:
City:
State:
Zip:
Submittal Date: Fri Mar 18 10:04:30 EDT 2022
Committee: HEA-ELS

Committee Statement

Committee Action: Rejected but see related SR
Resolution: SR-1055-NFPA 99-2022
Statement: The second revision made to Section 6.10.2 and 6.10.2.2 address the concerns expressed in the comment. The term "EPS" has been deleted from Chapter 6.

Correlating Committee Note No. 14-NFPA 99-2022 [Section No. 6.10.2.2]

Submitter Information Verification

Committee: HEA-AAC
Submittal Date: Thu Jan 20 16:01:04 EST 2022

Committee Statement

Committee Statement: Consider the affirmative comment of Rock as it relates to the use of the abbreviation EPS. If EPS is used, add a definition.

First Revision No. 926-NFPA 99-2021 [Section No. 6.10.2.2]

Ballot Results

✔ **This item has passed ballot**

16 Eligible Voters
4 Not Returned
12 Affirmative All
0 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Ashby, H. Shane

Brooks, Bruce D.

Dagenais, David A.

Hijazi, Robert

Affirmative All

Beebe, Chad E.

Burrill, Gordon D.

Ferrari, Keith

Finnegan, Daniel P.

Gagnon, Robert M.

Galloway, Ronald E.

Gilyeat, Sharon S.

Kennedy, Chad

Reiswig, Rodger

Rosenbaum, Eric R.

Sontag, Robert

Versteeg, Joseph H.

First Revision No. 926-NFPA 99-2021 [Section No. 6.10.2.2]

6.10.2.2

Any combination of generation, storage, or transformation assets shall be permitted to serve as the ~~essential power source (~~ EPS~~)~~ for all or a portion of health care microgrids.

6.10.2.2.1

The combination of sources shall provide performance equivalent to that of the requirements of 6.7.1.2.1 .

Submitter Information Verification

Committee: HEA-ELS
Submittal Date: Tue Jul 13 12:45:07 EDT 2021

Committee Statement and Meeting Notes

Committee Statement: This revision aligns the health care microgrid performance with those of any other EPS source type.
Response Message: FR-926-NFPA 99-2021

Public Input No. 248-NFPA 99-2021 [Section No. 6.10.2.2]

Ballot Results

✔ **This item has passed ballot**

33 Eligible Voters
6 Not Returned
23 Affirmative All
4 Affirmative with Comments
0 Negative with Comments
0 Abstention

Not Returned

Day, Richard L.

Hoegberg, Leif

Riechers, Keith

Rink, Mike

Vann, Joshua

Vernon, IV, Walter N.

Affirmative All

Beckstrand, Gary A.

Campbell, David M.

Chandler, H. David

Chilton, Nancy W.

Chisholm, Jr., Dan

Daugherty, Herbert H.

Ehrenwerth, Jan

Elliott, Steven A.

Finen, Chris M.

Gwynn, Pamela

Lipster, Stephen M.

McKinch, Terrance L.

Parrish, Thomas J.

Porter, Kevin T.

Rabel, Don

Rea, Vincent M.

Sappington, Steve R.

Savage, Sr., Michael L.

Scarlett, Kevin A.

Smidt, Ronald M.

White, Leonard W.

Williams, David A.

Wolff, Robert

Affirmative with Comment

Biason, Krista McDonald

Agree

D?Antona, Jason

Agree.

Della Croce, Vincent

The use of the terms "assets" and "sources" should be reviewed for correlation

Rock, Brian E.

¤ NOTE TO CORRELATING COMMITTEE: • HEA-AAC has an existing correlation problem that is further complicated by DELETION OF EXPLANATION of acronym "EPS" here and by HEA-ELS removing references to NFPA 110. Throughout Chapter 6, the same acronyms with different meanings are used (or referenced here), either completely UNEXPLAINED or EXPLAINED DIFFERENTLY IN A LATER ENTRIES in violation of Manual Of Style 3.2.5.1.1. Specifically, acronym "EPS" is used for both NFPA110-extracted "Emergency Power Supply" [110: 3.3.3; also 99: 6.3.2.6.4 extract from 110: 7.3.1] and for "Essential Power Source" [99: 6.10.2.2] and acronym "EPSS" is used for NFPA110-extracted "Emergency Power Supply System" [110: 3.3.4; 99: 6.11 title]. RECONCILE OR ADD ACRONYMS TO DEFINITIONS.

Editorial Comment

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