MEMORANDUM

(AMENDMENT)

TO: NFPA Technical Correlating Committee on the National Electrical Code®
FROM: Mark Earley, Staff Liaison
DATE: July 8, 2013

At the June 13, 2013 Technical Session, NFPA 70 was amended by the acceptance of the following:

Amendment: Accept Comment 12-65

In accordance with Section 4.7 of the Regulations Governing Committee Projects, the Technical Correlating Committee must now be balloted on the Association meeting action.

The final results of Code Making Panel 12 show the Panel agrees with the Amendment. Therefore, the Panel recommendation is to revise 645.4 to reads as follows:

645.4 Special Requirements for Information Technology Equipment Room. This article shall be permitted to provide alternate wiring methods to the provisions of Chapter 3 and Article 708 for power wiring, Parts I and III of Article 725 for signaling wiring, and Parts I and V of Article 770 for optical fiber cabling when all of the following conditions are met:

Please complete the attached ballot and return it no later than Monday, July 15, 2013. If you agree that there will be correlation issues or if you abstain, please indicate your reason(s) for doing so.

The transcripts from the Annual 2013 Association Technical Meeting have been posted at: www.nfpa.org/techsession.

Note: Please remember that the return of ballots and attendance at Committee Meetings is required in accordance with Section 3.1.3.1 of the Regulations Governing Committee Projects.

Attachment: Ballot Form and TC Final Results
MEMORANDUM
(AMENDMENT)

TO: Code-Making Panel 12
FROM: Mark Earley, Staff Liaison
DATE: July 8, 2103
SUBJECT: Final Results of Letter Ballot on Amendment 70-22 on the Proposed 2014 edition of NFPA 70

Amendment: To Accept Comment 12-65

The final results of balloting are as follows:

13 Members Eligible to Vote
   1 Ballot not Returned (White)
   11 Agree (1 with comment – Kaufman)
   1 Do Not Agree (Hedges)
   0 Abstentions

According to 4.7 in the NFPA Regs, the final results show this Amendment HAS achieved the 2/3 majority vote needed to recommend approval of the Association Action by the Technical Committee.

The number of votes needed to recommend approval of the Association Action is 8.

(13 eligible to vote - 1 not returned - 0 abstentions = 12 × 0.66 = 7.92)

Note: Return of ballots and attendance at Committee Meetings is required in accordance with the Regulations Governing Committee Projects.

cc: Nancy Walker
Amendment: Accept Comment 12-65

☐ Agree  If you agree with this amendment, the recommendation will be to revise 645.4 to read as follows:

645.4 Special Requirements for Information Technology Equipment Room. This article shall be permitted to provide alternate wiring methods to the provisions of Chapter 3 and Article 708 for power wiring, Parts I and III of Article 725 for signaling wiring, and Parts I and V of Article 770 for optical fiber cabling when all of the following conditions are met:

☐ Do Not Agree* If you do not agree with this amendment, the recommendation is to return to previous edition text. The existing text reads as follows:

645.4 Special Requirements for Information Technology Equipment Room. This article shall be permitted to provide alternate wiring methods to the provisions of Chapters 1 through 4 for power wiring, 725.154 for signaling wiring, and 770.113(C) and Table 770.154(a) for optical fiber cabling when all of the following conditions are met:

☐ Abstain*

*Please give reasons for voting "Do Not Agree" or "Abstain":

I Agree with Panel Comp/12 To reject and
Agree with Panel Statement 12-65

Please return as soon as possible, but no later than Wednesday, June 26, 2013 to kshea@nfpa.org or via fax to 617-984-7070.

Signature: [Signature]

Name - Please Print: [Thomas J. Hedges]

Date: 4/25/13
Amendment: Accept Comment 12-65

☐ Agree

If you agree with this amendment, the recommendation will be to revise 645.4 to read as follows:

645.4 Special Requirements for Information Technology Equipment Room. This article shall be permitted to provide alternate wiring methods to the provisions of Chapter 3 and Article 708 for power wiring, Parts I and III of Article 725 for signaling wiring, and Parts I and V of Article 770 for optical fiber cabling when all of the following conditions are met:

...

☐ Do-Not-Agree

If you do not agree with this amendment, the recommendation is to return to previous edition text. The existing text reads as follows:

645.4 Special Requirements for Information Technology Equipment Room. This article shall be permitted to provide alternate wiring methods to the provisions of Chapters 1 through 4 for power wiring, 725.154 for signaling wiring, and 770.113(C) and Table 770.154(a) for optical fiber cabling when all of the following conditions are met:

...

☐ Abstain

*Please give reasons for voting “Do Not Agree” or “Abstain”:

Affirmative comment

Motion 70-22 would not have been submitted if the Correlating Committee had not reversed the CMP 12 action on Comment 12-56a. Think of the motion as “Plan B” since Plan A was shot down.

The motion deals with proposals and comments that address the concern that the term critical operations data system could be interpreted to be related to (require) a critical operations power system in accordance with Article 708, Critical Operations Power Systems.

CMP 12 developed its own comment to establish an Informational Note:

Informational Note: The designation of Critical Operations Data System does not necessarily imply the site requires a Critical Operations Power System, nor does the use of a Critical Operations Power System imply the installation is a Critical Operations Data System.

The CMP 12 comment was rejected by the Correlating Committee because it violated the NEC Style Manual.
Acceptance of motion 70-22 will adopt text (not an informational note) to clarify that Article 645, 
*Information Technology Equipment*, is permitted to modify the requirements of Article 708:

Please return as soon as possible, but no later than **Wednesday, June 26, 2013** to kshea@nfpa.org or via fax to 617-984-7070.

Signature: 

Name - Please Print: Stanley Kaufman

Date: June 17, 2013
Recommendation:

12-136 Log #2666 NEC-P12 (645.10(B))

Final Action: Reject

Submitter: Ralph Transue, The RJA Group, Inc.

Comment on Proposal No: 12-136

Recommendation: Add and Article 708 after “Chapters 1 through 4”.

Substantiation: I submitted proposal 12-136 because some users may associate a critical operations data system with Article 708, Critical Operations Power Systems. Applying Article 708 to a data center would apply many untenable requirements to the data center, so many that the user would choose to opt out of Article 645. The text recommended by this comment is based on Dr. Stanley Kaufman’s affinity ballot statement on proposal 12-136.

Panel Meeting Action: Reject

Panel Statement: CMP-12 understands that the comment is related to 645.4 and not 645.10(B).

CMP-12 disagrees that adding the submitter’s text to 645.4 provides relief from Article 708. Only Chapters 1 through 4 of the NEC are modified by Article 645.

Number Eligible to Vote: 13

Ballot Results: Affirmative: 13

Backup Proposal 12-136

12-136 Log #2666 NEC-P12 (645.10(B))

Final Action: Reject

Submitter: Ralph E. Transue, The RJA Group, Inc.

Recommendation: Revise text to read as follows:

(B) Critical Operations Constantly Attended Data Systems.

Remote disconnecting controls shall not be required for critical operations constantly attended data systems. The term critical shall not be applied to data systems when all of the following conditions are met:

(Continue the remainder of the section unchanged.)

Substantiation: Three reasons justify this proposal:

1-The term critical is inexact since criticality is determined by different persons or groups based on differing factors. As former Chair of the NFPA 76 TC and current Chair of the NFPA 75 TC, I can advise that those committees minimize the use of the term critical since it means different things to different users of those Standards.

2-The use of NFPA 75 on ITE is based on a risk analysis as required in Chapter 4 of NFPA 75. Upon such analysis, users may decide to implement the requirements of the Standard for fire protection of ITE facilities. The required risk analysis considers the factors of criticality of the equipment and facility. A redundant decision of criticality as required by 645.10(B) is not necessary. The choice between the two methods of disconnect, 645.10(A) or (B), should be permitted to all users who decide to implement the requirements of NFPA 75 without the need for a redundant decision on criticality.

3-Avoid any confusion or unintended connection between Articles 645 and 708, the origins and purposes of which are very different.

Panel Meeting Action: Reject

Panel Statement: The proposer is attempting to change the title of 645.10(B) to constantly attended data systems. The current title of this section is “Critical Operation Data Systems” it is an appropriate title for this type of facility. Further this title was chosen in the 2011 cycle by a balanced team of individuals in a consensus based task group.

Number Eligible to Vote: 13

Ballot Results: Affirmative: 13

Comment on Affirmative:

KAUFMAN, S.: The submitter’s concern about unintended connection between Articles 645 and 708 could have been addressed by accepting this proposal in principle in part and adding “and Article 708” after “Chapters 1 through 4” in 645.4.

Related Comment 12-59

12-59 Log #390 NEC-P12 (645.4)

Final Action: Accept in Principle

Submitter: Stanley Kaufman, CableSafe, Inc.

Comment on Proposal No: 12-112

Recommendation: Change the panel action from Accept to Accept in Principle and modify the text as shown:

This article shall be permitted to provide alternate wiring methods within the information technology room and under the raised floor to the provisions of Chapter 3, Chapters 1 through 4 for power wiring, Parts I and III of Article 725 for signaling wiring, and Parts I and V of Article 770 for optical fiber cabling when all of the following conditions are met:

Substantiation: The recommended revision provides clarity and reflects the titles of the Articles. The title of Chapter 1 is “General”; Chapter 2, “Wiring and Protection”; Chapter 3, “Wiring Methods; and Chapter 4 “Equipment for General Use”.

The intent of Article 645 is to provide alternate wiring methods that are commonly found in Chapter 3 of the National Electrical Code. Article 645 provides an option to Chapter 3 wiring methods when the facility and installation meets the qualification requirements contained within Article 645 to allow such an option. The non-wiring method requirements contained in Article 645 do supplement or modify the requirements contained within Chapters 1, 2, and 4 of the NEC as per 90.3.

This is one of several Comments prepared by the CMP 12 Article 645 Task Group consisting of CMP 12 members Tom Brown, Tim Croushore, Tom Hedges, Bob Johnson, Stan Kaufman, John Kovacik, Todd Lottmann and Jose Salazar.

Panel Meeting Action: Accept in Principle

Revise the first paragraph of 645.4 to read as follows:

645.4 Special Requirements for Information Technology Equipment Room. This article shall be permitted to provide alternate wiring methods to the provisions of Chapter 3 for power wiring, Parts I and III of Article 725 for signaling wiring, and Parts I and V of Article 770 for optical fiber cabling when all of the following conditions are met:

Panel Statement: CMP-12 revises the submitter’s text to remove reference to “under the raised floor” and remove reference to “the information technology room”. CMP-12 revises the text to make it concise.

Number Eligible to Vote: 13

Ballot Results: Affirmative: 13

Related Proposal 12-112

12-112 Log #677 NEC-P12 (645.4)

Final Action: Accept

Submitter: Stanley Kaufman, CableSafe Inc.

Recommendation: Revise text to read as follows:

This article shall be permitted to provide alternate wiring methods to the provisions of Chapters 1 through 4 for power wiring, Parts I & III of Article 725 725.154 for signaling wiring, and Parts I & V of Article 770 770.113(C) and Table 770.154(a) for optical fiber cabling when all of the following conditions are met:

Substantiation: Article 645 is permitted to modify the wiring methods in Articles 725 and 770. The current text which permits “alternate wiring methods to the provisions of 725.154 for signaling wiring, and 770.113(C) and Table 770.154(a) for optical fiber cabling” is too narrow. If fact, Article 645 modifies wiring provisions that are outside of 725.154, 770.113(C) and Table 770.154(a).

For example, section 645.5(E) Securing in Place alters the requirements for securing for class 2, class 3 and optical fiber cables. Section 770.24, which is in Part I of Article 770, requires compliance with 300.11, Securing and Supporting.

Panel Meeting Action: Accept

Number Eligible to Vote: 13

Ballot Results: Affirmative: 13