

Explanation of Changes in Allchanges\_4\_4b (NFPA TG meeting output 3/29/2017) to Allchanges\_4\_4a (presented at IEEE 802.3 SCC18 Ad Hoc 3/15/2017).

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- 725.121 (C) has been reworded to delete the warning label on high current devices, and to make it clear that power sources at 0.3A nominal per conductor or less do NOT require labeling of ports for current and voltage. (e.g., this means Types 1, 2, and 3 of IEEE Std 802.3 PoE PSE equipment, including 802.3bt Classes 6 or less do not require port labeling, but Type 4 (classes 7 & 8) would).
- 725.144 informational notes 3 & 4, pointing the reader to related ANSI/TIA cabling standards and TIA TSB-184-A have been reworded and achieved consensus.
- The “0.3A or less per conductor” exception to 725.144 (A) has been reworded as a positive requirement (now 725.144 (A) (1)). The group left off discussing whether this would be subject to temperature adjustment.

Left to discuss in the task group are (provided nothing gets re-opened):

1. 725.144(A) (1) Whether the temperature adjustment applies to 725.144(A)(1) (the 0.3A exemption) in the current revisions.
2. 725.144 (A) (2) and 725.144 (B) How to state the requirement that current isn't allowed to deviate more than 20% from nominal. (or do we just delete this?)
3. 725.144 (B) Applying the temperature correction factors of 310.15(B)(2) to the ratings of LP cabling
4. 725.144(B) Informational Note 2: fixing to make it clear and conform with the style guide.
5. Table 725.144 Note 3: additional requirement for health care and essential electrical systems using high temperature cabling.
6. Table 725.144 Note 4: Re-statement of the limitation on the per-contact ampacity of connectors
7. Table 725.144 Informational Note 1: modification to reference practices in TSB-184-A.
8. Table 725.144 Informational Note 1: correction to note – 26AWG is NOT widely used in LAN cabling, only in equipment cords.
9. Table 725.144 Informational Note 2: Additional note regarding high temperature operation.

And then the big topic of what is a public input for the 2020 code and what is a “tentative interim amendment” (emergency fix).

The next meeting of the NFPA Task Group is April 5.