

30 total – quorum is 16. Received 23 votes so majority test passed. Need 2/3s of 23 or 16 so technical content approved but emergency nature was not.

Approve – technical content - 23

Disapprove – technical content - 0

Approve – emergency nature - 5

Disapprove – emergency nature - 18

Abstain – 1

### **Comments from Disagree Votes**

- I disagree with TIA 1301's emergency nature, as corresponding field issues that would necessitate a TIA have not been identified.

- I agree with a couple of the other members regarding the substantiation provided with TIA 1301 does not reference any identified issues experienced in the field, so the emergency nature of TIA 1301 is not warranted.

- Reason for disagreement with emergency nature: I've become aware of the TIA 1299 which I believe sufficiently protects against the perceived potential problem.

- The substantiation provided with TIA 1301 does not reference any identified issues experienced in the field, so the emergency nature of TIA 1301 is not warranted.

– I support Bill McCoy's position.

- I disagree that there is an emergency.

–Without any evidence of actual problems in the industry or practice I do not agree with the emergency nature of the changes. They can be implemented with the normal code revision cycle.

– There has been no substantiated issues with Ethernet switches used to established communications circuits, therefore, emergency nature for this TIA is not warranted.

–I disagree with the emergency nature of 1301 as the proposed TIA posted no critical safety issues which requires immediate corrections.

- I agree with the rationale provided by ER Bill McCoy.

- The substantiation provided with TIA 1301 does not reference any identified issues experienced in the field, so the emergency nature of TIA 1301 is not warranted.

–I believe this changes can be addressed in the next revision cycle of the NEC.

–There have been no substantiated issues identified within the embedded base of the telecommunications industry, even though thousands of devices have been installed. The concern expressed is that the current value is not specified in the 2017 edition of Section 840.160. Recently UL confirmed that to their knowledge there are no Listed Ethernet switches rated to operate at less than 50 Vdc which are used to establish communications circuits. However, there is a device that is Listed to operate at 24 Vdc and commonly called a PoE injector which does have substantiated issues of causing equipment damage and cable failure due to overheating. This device is used to establish power-limiting circuits. Therefore an issue arises when the requirements of Article 725 are not followed.

- My reason for the negative vote is that I agree with all the points that Bill McCoy, our ER to CMP-16 stated. I am not an expert in that area, so I don't have much to add to what Bill McCoy already mentioned in his previous emails.

- . The substantiation provided with TIA 1301 does not reference any identified issues experienced in the field, so the emergency nature of TIA 1301 is not warranted.

- I represent the American Chemistry Council on the NEC and although I believe I am only vote limited in SCC18 to CMP5 I am being asked to vote in their process and do not believe it is appropriate to vote twice on the same issue.

- I do not agree with the emergency nature of this TIA. The TIA process should be reserved for public safety issues only. This concept is already tracking in the next revision to the NEC.