

MEETING AGENDA

Meeting Details

Date: April 17, 2024

Time: 9:00 AM

Location: Government Center South, Conference Rooms 1 & 2

1. Call to Order

The meeting was called to order at 9:01 A.M.

2. Roll Call

Quorum was met, with Mr. Gulley and Mr. Luppanchino being absent.

3. Review March Meeting Minutes

March minutes were not provided, this was tabled until the next meeting.

4. Review Code Change Proposals

a. 254 – 90.2 – Installations Covered

Would like proposals 254 and 255 to be voted on as one proposal. Version 1 was truncated, so 255 is a finishing product of proposal 254. Mr. Eldridge asks committee to read the code to make sure word “not” is written appropriately and in proper English. The majority has been brought forward by additional codes. Reason for addition in ‘C’ and List item ‘6’ were from the 2009 Indiana Electrical Code. All additions being proposed are from prior renditions of the Indiana Electrical Code. **Amended:** Adding Item 7 to read as follows: Class 1 and Class 2 structures covered by the Indiana Residential Code shall be made to comply with the provisions of this code *in its entirety*, or the electrical provisions of the Indiana Residential Code *in its entirety* (675 IAC 14). Lots of discussion in regard to the addition to D (1), but the addition would make it broader than what is currently written. **Reject:** the additions to D (1) has been rejected because narrowing the scope of the exclusion could lead to problems, leaving it broader is better. **Approved:** unanimous approval of all additions except for the rejection of the addition in D (1).

b. 255 – 90.2 – Scope (5)(6)

Decided in conjunction with proposal 254.

c. 256 – 90.4 – Enforcement

Most of the submittals were done in conjunction when dealing with the 2020 code and is in the process of resubmitting for the new code update process. The language of the submittal is coming directly from the IAC. Required to refer people to the correct position for the authorities having jurisdiction and is informational more than anything. **Amended:** Requirements covering enforcement of this code, the variance process, and procedures related to alternate methods or materials are covered by provisions of the Indiana Code and 675 IAC 12, the General Administrative Rules of the commission. **Tabled:** unanimous approval to table to get the language figured out. **Motion to Untable:** 90.4, Enforcement, is to be amended as follows: “Enforcement of this code, variance

application and procedures, and the consideration of alternative methods or materials are covered by provisions of the Indiana Code and 675 IAC 12.

d. 257 – 90.6 – Formal Interpretations

Proposal being brought forth from the 2009 Indiana Electrical Code. Question is instead of deleting in its entirety, would it benefit the users to leave and to reference that “interpretation should comply with...” and the corresponding Indiana statute number. **Withdrawn by proponent:** need to insert 22-13-5 because it directs and clarifies the process.

e. 258 – 90.8 – Wiring Planning

Indiana Electrical Code does not legislate for the future, another proposal brought forth from the 2009 Indiana Electrical Code. Section is more of an informational note and may be a concern for enforcement. Was deleting from the current model code and there is no savings. **Approved:** unanimous approval of the proposal.

The committee is taking a break beginning at 10:17 A.M and the break concluded at 10:32 A.M.

f. 259 – 100 – Definitions

Change in the definition text of APPROVED, AUTHORITY HAVING JURISIDITION, DWELLING UNIT, LABELED, LISTED, and SPECIAL PERMISSION. For the definition of APPROVED: text is exactly how it is written in the 2009 Indiana Electrical Code, from a safety standpoint it is a good change (**Approved**).

For the definition of AUTHORITY HAVING JURISIDITION: technical but defines exactly who has authority having jurisdiction, **Amend to read as follows:** Authority Having Jurisdiction means the Indiana Department of Homeland Security, the local building official as authorized under IC 36-7-2, or the local fire department as authorized under IC 36-8-17. Informational Note: The AHJ in the NEC is equivalent to CODE OFFICIAL under 675 IAC 13 and 675 IAC 22.

For the definition of DWELLING UNIT: matches definition used in other codes (**Approved**).

For the definition of LABELED: bringing forward what has already been defined in the building code. If desired to change, there needs to be an immediate proposal to the Fire and Building Committees. (**Amended to match the language of IBC 2024**).

For the definition of LISTED: looking to the definition of LISTED in NFPA 70 and the 2024 Building Code. (**Amended to match the language of IBC 2024**, but modified, “that is concerned with evaluation of products or services...” delete the section regarding the Building Code Official.). For the definition of SPECIAL PERMISSION: “A variance granted pursuant to IC 22-13-2.” (**Amended**) Overall, **Approved** unanimously with the amendments

g. 260 – 110.15 – High-leg Marking

Importance is having a specific color for an identified means for that high phase. Informational notes would be something of interest, however most people do not pay much attention until they get in trouble. Some words that may cause issue are: “normally” and “specific” as they would not tell installers very much. **Amended:** Delete the first sentence of the proposed informational note and just keep the second note.

h. 261 – 110.26 (A)(1)(b) – Depth of Working Service

Because definition of SPECIAL PERMISSION was changed, don’t want all to go to the commission for variances. **Approved:** unanimous approval.

i. **310 – 210.8 (A) – Ground-Fault Circuit Interrupter Protection for Personnel**

Before this was proposal 242, now rewritten to base off of March 2024 Electrical Subcommittee meeting. Trying to match more with the residential side for (6) Part (A) has the overall goal of removing ranges. Trying to find the middle ground between cost-savings and safety. **Approved with Amendments (for part (A)):** to be left alone. **Approved with Amendments (for part (6)):** “where receptables serve countertop surfaces or are located within 1.8 m (6ft) of the top inside edge of the bowl of the sink.” Despite the proposed amendments, the proponents **has withdrawn the submission** for resubmission.

Committee broke for lunch at 12:15 P.M. and returned from lunch at 1:16 P.M.

j. **311 – 210.8 (A)(5) – Dwelling Units**

This was approved in the 2020 Electrical Code Committee and would be a savings if deleted. The question was if most electrical panels are placed in the basement? Ms. Madden responded that it depends. If you have a finished basement with a finished concrete floor, the hazard would be the same for an unfinished basement with a concrete floor. The proposed language matches what is written in the model code. Just a list and there isn't a title, more so a sentence. Approved as Amended: “For the purposes of this section unfinished basements are defined as portions or areas of the basement not intended as habitable rooms...” Despite discussion, the proposal was **withdrawn by proponent** to match the language of the 2009 Indiana Electrical Code.

k. **265 – 210.12 (e) – Branch Circuit Wiring Extensions, Modification, or Replacements**

This is an installation code, and if you don't a branch circuit modifications or extensions you don't need to worry about it, just delete it. The proposal is being brought forth from the 2020 Indiana Electrical Code. No fiscal impact statement was given, and bylaws state that a fiscal impact statement is needed in order for a proposal to be heard by the committee. **Tabled:** unanimous vote to table due to lack of fiscal impact statement.

l. **309 – 210.52 (G)(1) – Garages**

This was previous proposal 240 which was withdrawn by the proponent for resubmittal. Trying to say that if an already detached garage doesn't need it, but tuck under garages, the circuits are going back to the house panel and not the unit. The proposed language would take care of any issues with the tuck under garages. Don't want residents to use outlets in garages because the ownership pays for it and not the residents. Gives a much narrower scope. **Motion to Approve:** unanimous motion to approve.

m. **287 – 210.52 (I) – Dwelling Unit Receptacle Outlets – Foyers**

Put meters first and then feet to match the national electric code and the proposed language matches the language of the current Indiana Electrical Code. As a home builder it would result in a savings, yet the fiscal impact statement given is \$0.00. Committee to determine a fiscal impact – using a price of \$100 per receptacle outlet, 1/3 of the number used for new construction: 21,778 (1/3 of that number) 7259 x \$200 = \$1,451,866. **Motion to Approve:** unanimously approved with amendments for the fiscal impact statement.

n. **305 – 215.18 (A) – Surge Protection Device**

Three separate places in the code where ‘surge protection devices’ are talked about. Recognizing the most common place of surging would be a lightning strike, however lightning is not the only cause of surges. For the purpose of installing some form of life-saving equipment (AFCI's, GFCI's, and smoke alarms). Only for a feeder that extends beyond the structure and is overhead. Both a life safety and a property proposal. **Motion to Table:** unanimously agreed to table.

o. **266 – 225.30 (C) – Special Occupancies**

Continuation of getting rid of the words “by special permission” and to insert the words “where

approved.” **Motion to Approve:** unanimously approved to table.

p. **306 – 225.42 (A) – Surge Protection device**

As with proposal number 305 – proposal number 306 has also been tabled.

Committee went on a break at 2:42 P.M. and returned at 2:56 P.M.

q. **267 – 230.2 – Number of Services, (B) and (C)**

Continuation of the “special permissions.” Two places where “special permission” should be replaced with “when approved.” Allow the local AHJ to approve an additional service instead of requiring a variance. This is being brought forward from the 2009 Indiana Electrical Code. **Motion to Approve:** unanimously voted to approve.

r. **307 – 230.67 (A) – Surge Protection Device**

Motion to Table: unanimously approved to table with no discussion.

s. **312 – 230.67 (D) - Surge Protection Replacement**

Motion to Table: unanimously approved to table with no discussion.

t. **269 – 230.85 – Emergency Disconnects**

Motion to Approve: unanimously approved with no discussion.

u. **272 – 240-81 – Indicating**

Many times, a horizontally mounted panel board would be very convenient. Standard in Canada for them to be mounted horizontally. There could be unintended consequences for mounting horizontally because they were not listed to be and there would be a violation anyway. Some manufacturers have dual listed products, but there are qualifications that have to be met. **Motion to Withdraw:** concern by proponent about the way it is tested and insulated. Doesn’t want to put something out there that is potentially dangerous.

v. **273 – 240.85 – Applications**

If you have something that is marked 120/240 vault on a 240-vault three-phase circuit, it may become a dangerous situation. Trying to make it clear that this cannot be done. Informational note is saying what addition would say, however, the informational note is not enforceable, and the addition would be. **Motion to Approve:** unanimously approved.

w. **275 – 242.54 – Interconnections**

Continuation of getting rid of the words “special permission” to be replaced with “when approved.” As far as the electrical code is concerned, the AHJ is the inspector and would be the one approving. Better to have a more specialized body to make a specialized decision. **Motion to Reject:** unanimously rejected.

x. **276 – 250.52 (A)(5)(2) – Rod Electrodes**

If you read the code casually, the 2023 text appears to require 5/8 in. diameter ground rods, however this is not the case. Addition would be only for clarification purposes. **Motion to Approve:** unanimously approved.

y. **298 – 250.90 – Bonding, General**

Proposal being brought forward from the 2020 Indiana Residential Code. Proposal gives examples of “small conductive surfaces not likely to become energized.” **Motion to Approve:** unanimously approved.

z. **299 – 250.104 (A)(1) – Metal Water Piping, General**

Essentially the same as proposal submission 298 – now adding an exception and an informational note. Informational note was taken from enhanced contact from the National Electrical Code Handbook. **Amended Language:** “Small conductive surfaces not likely to become energized, such as short pieces of metallic piping to faucets, metallic, fittings on nonmetallic piping, etc. shall not be required to be bonded and are not subject to the requirements of 250.104 (A). Informational

Note: Isolated sections of metal water piping that are connected to an overall metallic water piping system do not constitute a metal water piping system. **Motion to Approve via Amendment:** unanimously approved.

- aa. **289 – 250.110 – Equipment Fastened in Place (Fixed) or Connected by Permanent Wiring Methods**
- bb. **288 – 250.114 – Equipment Connected by Cord and Plug**
- cc. **301 – 300.3 (D) – Conductors**
- dd. **290 -372.20 – Size of Conductors**
- ee. **291 – 374.20 – Size of Conductors**
- ff. **308 – 406.12 – Tamper Resistant Receptacles**
- gg. **292 – 425.10 (B) – Fixed Resistance and Electrode Industrial Process Heating Equipment**
- hh. **293 – 430.22 (E) – Other Than Continuous Duty**
- ii. **294 – 430.111 (B)(3) – Oil Switch**
- jj. **177 – 501.15 – Sealing and Drainage**
- kk. **178 – 513.7 – Wiring and Equipment Not Installed in Class 1 Locations**
- ll. **179 – 513.10 – Special Equipment**
- mm. **180 – 517.71 – Connection to Supply Circuit**
- nn. **181 – 550.18 – Calculations**
- oo. **296 – 600.1 - Scope**
- pp. **295 – 600.3 – Listing**
- qq. **297 – 620.37(C)(1) – Wiring in Hoistways, Machine Rooms, Control Rooms, Machinery Spaces, and Control Spaces**
- rr. **185 – 625.40 – Electric Vehicle Branch Circuit**
- ss. **182 – Battery Equipped Emergency Luminaires**

5. Other committee business.

May Meeting: those tabled from March and April to be discussed, along with any code change proposal not discussed at today's meeting.

The group needs to sit down and talk about how they want to split up chapters and look at 2009 and the new proposals to compare the two.

Talking about skipping the June meeting, it gives the groups two months to review the codes alongside of the proposals.

6. Next Meeting – Wednesday, May 15, 2024, at 9:00 a.m. Eastern Time in **CONFERENCE ROOM A of the Indiana Government Center, 302 W. Washington Street, Indianapolis, IN 46204.**

A public notice with specific details regarding the format of the meeting will be provided on the [Commission main web page](#) in advance of the meeting date.

7. Closing Comments and Adjournment

The meeting adjourned at 3:58 P.M.