



**Fast-Track Revision 2023-1  
to the  
National Electrical Safety Code  
C2-2023**

<day month year>

A Fast-Track Revision to C2, National Electrical Safety Code, 2023 Edition, has been issued as a result of a Change Proposal submitted by an NESC Working Group and approved by the Main Committee (in accordance with Section 6.5 of its Procedures).

Change Proposals approved by the Main Committee through the Fast-Track Process shall be submitted by the Secretariat as a Change Proposal for the next Standard Revision cycle. The Change Proposal is to be identified as Approved by the Fast-Track Process and is open to full review in the Standard Revision Cycle.

NOTE—The editing instructions define how to merge the revised material into the 2023 National Electrical Safety Code. Instruction is shown in ***bold italic*** as change, delete, insert, or replace and specifies the location of the updated material. ***Change*** is used to make changes in text or tables (i.e., strikethrough to remove old material and underline to add new material). ***Delete*** removes existing material. ***Insert*** adds new material without disturbing the existing material. Insertions may require renumbering. If so, renumbering instructions are given in the editing instruction. ***Replace*** is used to make changes in figures or equations by removing the existing figure or equation and replacing it with a new one.

**Section 2.  
Definitions of special terms**

***Insert the following definition in Section 2:***

**fault-managed power system (FMPS).** A powering system for communications equipment that monitors for electrical faults and controls the current delivered to limit fault energy.

**NOTE 1:** Fault-managed power systems consist of a power transmitter and a power receiver connected by a cabling system. These systems are characterized by monitoring the circuit for faults and controlling the power transmitted to ensure the energy and power delivered into any fault is limited with respect to electric shock between transmitter and receiver. ATIS Technical Report 0600040, *Fault Managed Power Distribution Technologies— Human Contact Fault Analysis*, provides a description of FMPS and testing protocols. FMPS circuits are also referred to as Class 4 circuits.

**NOTE 2:** The monitoring and control systems differentiate fault-managed power from electric light and supply power circuits with different requirements regarding minimum wire sizes, overcurrent and surge protection, insulation requirements, and wiring methods.