

Outline

2023 NEC Proposed Changes

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Course Description

This course is scheduled for a three-hour presentation at the IAEI Illinois Chapter Annual Meeting, January 20, 2022. Subject matter will include an overview of proposed significant changes to 2023 National Electrical Code.

1. Overview of the Codes & Standards Development Process

2. Proposed Code-Wide Changes

3. Review of proposed new Articles for the 2023 NEC

4. General Requirements

- a. Article 100: review of new and revised definitions.
- b. Article 110: review of changes to general installation requirements.

5. Wiring and Protection

- a. Article 210: review proposed changes for 10-ampere branch circuits, receptacle requirements for countertops, and lighting outlet requirements. Review proposed changes for GFCI and AFCI requirements.
- b. Article 215: proposed surge protection requirements for feeders.
- c. Article 220: review proposed changes related to load calculations
- d. Article 225: review proposed Surge Protection requirements and Emergency Disconnect requirements for dwellings supplied by feeders.
- e. Article 230: review proposed changes related to service disconnecting means configurations and requirements for outdoor emergency disconnects. Review expansion of Surge Protection requirements.
- f. Article 240: review new requirements for selective coordination.
- g. Article 250: review of proposed changes related to bonding and grounding requirements.

6. Wiring Methods

- a. Article 300: review of changes impacting general requirements for wiring methods and materials
- b. Article 310: review changes to minimum conductor size.
- c. Articles 312 – 370: review changes impacting various wiring methods and materials.

7. Equipment for General Use

- a. Article 404: review changes related to wireless control equipment, grounded conductor requirements for switch boxes and reconditioning requirements
- b. Article 406: review changes related to faceplate nightlights/USB power through spring type connection.
- c. Article 408: review changes related to reconditioning of panelboards and available fault current requirements that exceed 10,000 amps.
- d. Article 410: Review requirements for new Party XVII for Germicidal Irradiation Luminaires.

8. Special Occupancies

- a. Article 517: review significant changes impacting health care facilities.
- b. Article 555: review changes impacting the scope and protection requirements for Marinas, Boatyards, and Commercial and Noncommercial Docking Facilities.

9. Special Equipment

- a. Review changes for Electric Vehicle Power Transfer Systems
- b. Article 680: review proposed changes impacting swimming pools.
- c. Article 690: review of new and revised requirements impacting solar photovoltaic installations including revised requirements for rapid shutdown.

10. Closing comments and questions