

Changes to the National Electrical Code 2023

Live Stream from Seattle

October 14, 2022, 12 pm PDT

Whether you are working with Class 4 fault-managed circuits or electrical systems operating over 1000 volts AC/1.5kV dc, you need the 2023 edition of the NEC to be compliant.

Changes include new, expanded, and revised content and provisions for:

All electrical systems, including the use and approval of reconditioned equipment, level/flat standing surfaces within the required working space for electrical equipment, servicing and maintenance of equipment, and opened electrical equipment doors that impede access to or egress from required equipment workspace

Residential electrical systems covering ground-fault circuit interrupters (GFCI) for specific appliances, optional installation of receptacle outlets serving island and peninsular countertops and work surfaces, emergency disconnects of one- and two-family dwellings, the use of 10-ampere branch circuits, and an annex providing guidelines on the use of electrically powered medical equipment in homes and residential board and care occupancies

Commercial/industrial electrical systems accounting for everything from GFCI for specific appliances and the use of "replacement panelboards" to arc-fault circuit interrupter (AFCI) protection of sleeping areas of public safety and first responder facilities, disconnecting means in sight of luminaires using double-ended lamps to include LED type, and other considerations

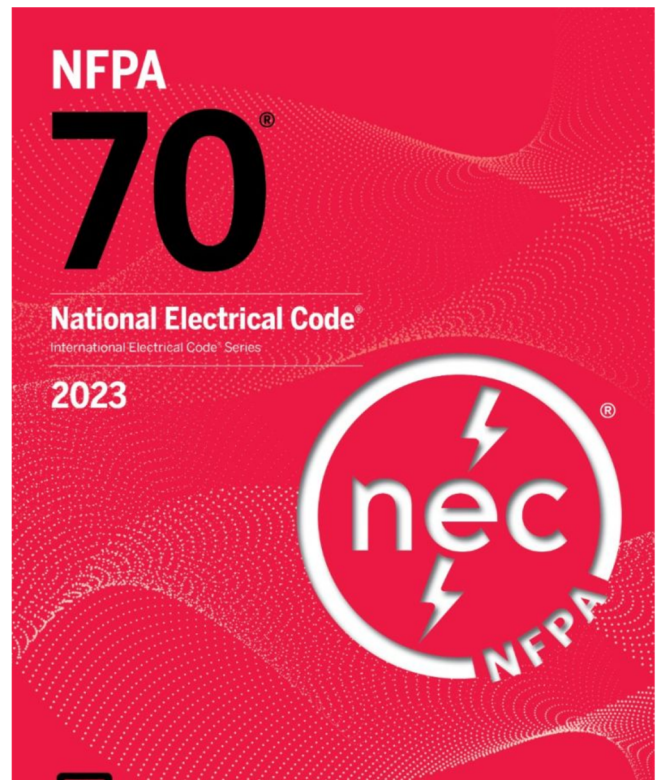
Alternative energy systems and energy management addressing the interconnection of distributed on-site power supplies with electric utility supplies, the delineation between storage battery systems and emergency storage systems, commissioning energy storage systems (ESS), photovoltaic electric systems, emergency management systems, load calculations for outlets supplying electric vehicle supply equipment, and solar photovoltaic and wind power electric systems on floating structures and in offshore locations

New articles and requirements for never before covered systems and equipment such as Class 4 fault-managed circuits, hazardous locations within commercial and industrial cannabis production facilities, equipotential bonding in and around areas with "splash pads," insulated bus pipe/tubular covered conductors' systems, flexible bus systems, germicidal irradiation lighting equipment, and more

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Tom Butcher

The presentation will discuss the two types of damaging surge wave forms, their sources, and the different types of surge protective device designs used to address each wave form.

Tom Butcher is the Owner of PQ Solutions in Toccoa, GA. Tom is a Senior Member of the IEEE. He has been conducting power quality studies and presenting IEEE CEU seminars on surge protective devices and power quality since 1985.

