Shock, electrocution, arc flash, and arc blast are responsible for one fatality every workday in the U.S., and some 8,000 workers are treated in emergency rooms for electrical contact injuries each year.

This standard addresses electrical safety requirements for employee workplaces that are necessary for the practical safeguarding of employees during activities such as the installation, operation, maintenance, and demolition of electric conductors, electric equipment, signaling and communications conductors and equipment, and raceways.