

# NEW ARC FLASH STANDARDS



CONTACT SSOE GROUP FOR A NEW ARC FLASH STUDY BASED ON IEEE 1584 CHANGES

## WHAT IS IEEE 1584-2018?

IEEE 1584-2018 method that calculates the intensity of an arc flash. In November of 2018, a complete revision was issued. Based on nearly 1900 tests, this method has become more robust and complex than its previous methods, answering many industry concerns.

## WHAT HAS CHANGED?

5

Different considered electrode configurations

85%

Arcing current variation calculations



Enclosure correction factor calculations to adjust for specific enclosure sizes

> 125kVA

Low voltage small load exception redefined

15kV

Continuous voltage spectrum 208V to 15kV

## HOW IT AFFECTS YOU

All future arc flash risk analysis should be completed based on IEEE 1584-2018. These calculations impact...



HIGHER INCIDENT ENERGY POTENTIAL



MORE FIELD INVESTIGATIONS



DIFFERENT CALCULATED INCIDENT ENERGY

## HOW SSOE CAN HELP

Your completed arc flash risk analysis may be giving you false security. Our staff of engineers have the background and expertise to update your risk analysis and can identify and assess safety issues, deficiencies, equipment condition, and code issues. We can recommend effective methods, means for mitigation, or repairs.

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