

IEEE 1584 Revolutionary Changes Coming

Technical Meeting

Speaker: Marcelo E. Valdes, PE, IEEE Fellow
Application Engineering Manager,
ABB Industrial Connections & Solutions, LLC

Date: Thursday, October 11th, 2018

Time: Meal and Refreshments begins at 4:30pm
Presentation from 5-7:30pm

Location: Xcel Energy
401 Nicollet Mall, Minneapolis, MN 55401

Abstract: IEEE 1584 has been the definitive guide for Arc Flash calculations since its original publication in 2002. Today its impact on the electrical equipment industry would be difficult to exaggerate. Soon the guide will be republished with significant changes to the model used for predicting incident energy, arcing current and the 1.2 calorie arc flash boundary. Rather than an evolutionary change, this upcoming edition of this important IEEE guide will be a revolutionary change in how we understand the science of the arc flash hazard. Consultants, users, and workers need to understand the new model and what it says about the hazard posed by exposure to live electrical equipment. Mr. Valdes will present on the current draft of this standard, contrast it with the 2002 model and discuss possible effects on industry.



Marcelo E. Valdes, PE, IEEE Fellow

Biography: Mr. Valdes has been with ABB and GE over 41 years in various roles: Field engineering, equipment sales, application engineering, product management and standards. Currently he participates in the NEC, CSA-Z462 and NFPA70B, as well as in various IEEE working groups, including IEEE 1584. He is active in various IEEE conferences such as IEEE Electrical Safety Workshop (ESW), PCIC, PPFIC, and I&CPS. He was Chair of the 2014 IEEE ESW. He has won several awards from IEEE conferences for his contributions as well as several awards for some of his IEEE papers. He has published over 35 technical papers on various topics, mostly low voltage coordination and protection and holds 27 patents in related fields. Mr. Valdes holds an Electrical Engineering degree from Cornell University and is an IEEE Fellow.



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