## New Standard, New Method, New Learning Curve

A NEW CHALLENGE IS AHEAD FOR THE electrical safety community. The revision process of IEEE Std. 1584 Guide to Performing Arc Flash Hazard Calculations is completed. Engineers everywhere will be challenged with understanding how to apply this new model. The Industry has awaited this update for almost two decades, and now that it is here, safety experts are getting ready to explain why the thermal incident energy calculations

of the IEEE 1584-2002 incident energy calculations.

as vertical conductors in a box terminating in an insulating barrier (VCBB), horizontal conductors in a box (HCB) and in open-air (HOA). If present in actual equipment,

require higher PPE arc rating selections.



**Figure 1** *IEEE 1584-2018* 



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(HCB, HOA) and vertical conductor orientations (VCB,

may have to deal with is how to detect and classify

In conclusion, the new IEEE 1584-2018 model poses a big implementation challenge. Fortunately, ETAP has actively participated in the development and validation of this model to ensure its correct application in power system analysis software.

The new IEEE 1584-2018 module is available in the **ETAP 19** Release. For more information about the New IEEE 1584-2018, Arc Flash Incident Energy Calculation Method using ETAP 19 visit **etap.com/arcfash** 

