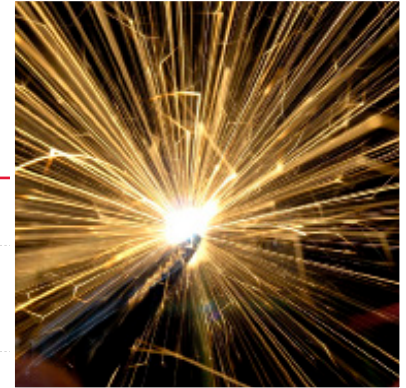


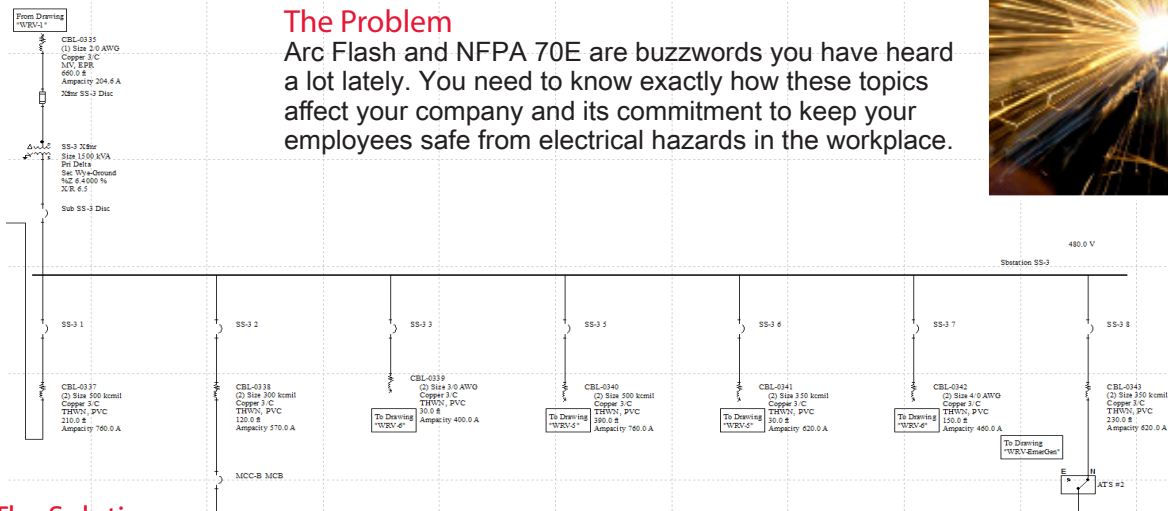


Arc Flash and Shock Hazard Analysis Services



### The Problem

Arc Flash and NFPA 70E are buzzwords you have heard a lot lately. You need to know exactly how these topics affect your company and its commitment to keep your employees safe from electrical hazards in the workplace.



### The Solution

ITAC has a proven track record of assisting companies with understanding legal requirements, identifying hazards, and implementing procedures to mitigate arc flash and shock hazards in the workplace. We have performed this service for commercial, industrial, and utility clients and are familiar with the special requirements of each. ITAC's qualified and licensed Professional Engineers can develop a custom program for your company and help you deal with this complex issue. Here is a list of professional services we can provide:

- Gather Existing Field Data**

ITAC Engineers can work either independently or in cooperation with your electrical workforce to gather electrical system data necessary to understand the arc flash and shock hazards of your system.

- Calculate Fault Currents and Arc Flash Energy Levels**

ITAC uses the industry-leading SKM Power Tools calculation software to accurately model your power system and perform the calculations necessary to determine arc flash hazards to your employees. Calculations can be performed using either the NFPA 70E or IEEE 1584 methods.

- Provide Solutions to Reduce Arc Flash Hazards**

ITAC's qualified engineering staff can analyze arc flash data and show you how to modify existing equipment to reduce the arc flash energy at specific locations. We have successfully implemented corrective measures on systems from 120 to 34,500 Volts using the latest in protective device technology.

- Review Your Company Policies for Compliance**

ITAC engineers can review your current operating procedures for OSHA and NFPA code compliance and will make recommendations on how to further reduce the risk exposure for your employees.

<b>⚠ DANGER</b>	
<b>Arc Flash and Shock Hazards Appropriate PPE Required</b>	
<b>Failure to Comply Can Result in Death or Injury!</b>	
<b>Bus: BUS-PC-7301</b>	<b>Fed From: MCP-PC-7301</b>
<b>8.1 cal/cm<sup>2</sup> Flash Hazard at 18 inches</b>	
<b>66 inch</b> Flash Hazard Boundry	<b>Required PPE:</b> <b>Category 3</b> <b>Cotton Underwear + FR Shirt &amp; Pant + FR Coverall</b> Glove Class: 00
<b>480 VAC</b> Shock Hazard	
<b>42 inch</b> Limited Approach	
<b>12 inch</b> Restricted Approach	
<b>1 inch</b> Prohibited Approach	
<b>ITAC</b> Prepared On: 10/01/2008	

### Print Hazard Identification Labels

ITAC can generate the arc flash and shock hazard warning labels for your equipment per the NFPA 70E Article 130 guidelines. Labels will list Personal Protective Equipment (PPE) requirements that can be customized to match your company's safety requirements. Our labels are thermally applied to industrial-

### CONTACT

Please address all correspondence to:

ITAC Power Systems  
 ATTN: James Biggins, P.E.  
 Director - Power Systems  
 13141 N. Enon Church Road  
 Chester, VA 23836  
 (804) 414-1107 (office)  
 (804) 414-1195 (fax)  
 (804) 898-4121 (cell)  
 jbiggins@itac.us.com