

# Safety Services

## Arc Flash Analysis

### Assessment Outcomes

#### Reduce Risk

- Our engineers create a detailed arc flash analysis report including a Protective Device Coordination (PDC) study and a short circuit current study.
- Rockwell Automation makes recommendations to reduce arc flash hazards and help correct over duty equipment. We also provide data to assist in your efforts to improve protective device coordination.

#### Increase Competency

- Customizable written safety program serves as a safety policy reference for employees working in or around live electrical cabinets.
- Employee safety training and energized work permits for employees or contractors working on live electrical circuits in your facility are provided.

#### Improve Documentation

- Up-to-date one-line drawings are developed providing an accurate model of your electrical system. Model is available in AutoCAD format.



Rockwell Automation® Arc Flash Analysis service is a comprehensive approach to reducing arc flash risk in your facility. Training, site evaluation and risk reduction recommendations work together to help improve the safety of employees working with energized electrical panels. Whether you are trying to meet certification standards, protect workers or reduce downtime, Rockwell Automation experts can help you achieve your safety goals.

*Learn more about how  
Rockwell Automation can help  
you achieve your safety goals at  
[www.rockwellautomation.com/  
services/safety/overview.page](http://www.rockwellautomation.com/services/safety/overview.page)*

*Each portion of Rockwell Automation  
arc flash services is designed to meet or  
exceed all requirements listed in  
CSA Z462 and NFPA 70E regulations.*

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## Safety Lifecycle



### Step 1: Project Review and Kickoff

Kickoff meeting to determine your project timing and outcome goals.

### Step 2: Onsite Data Collection

Materials are gathered for arc flash analysis of your current environment. One-line diagrams and other electrical prints are collected. Additionally, equipment is visually inspected and nameplate data is gathered.

### Step 3: Modeling of Data and Report Generation

Modeling and report process includes:

- Arc flash analysis
- Protective Device Coordination Study
- Short Circuit Current Study
- Generation of one-line diagrams
- Risk reduction recommendations

All drawings calculations, work permits and labeling comply with NFPA-70E, CSA Z462 and IEEE-1584 requirements.

### Step 4: Labeling and Training

Following our evaluation, we will create and install arc flash labels to bring closure to equipment and asset number discrepancies between the drawings and the actual installation. Optional three to four hour training is also provided if you require initial training or an update to initial compliance training.

### Step 5: Maintain and Upkeep

Protect your commitment to arc flash reduction. We offer annual or multi-year agreements that provide:

- Quarterly equipment tracking
- Annual site visits and facility inspections
- Updated arc flash analysis reports
- Discounted pricing on future arc flash activity
- Access to monthly online arc flash compliance training



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#### Power, Control and Information Solutions Headquarters

Americas: Rockwell Automation, 1201 South Second Street, Milwaukee, WI 53204-2496 USA, Tel: (1) 414.382.2000, Fax: (1) 414.382.4444

Europe/Middle East/Africa: Rockwell Automation NV, Pegasus Park, De Kleetlaan 12a, 1831 Diegem, Belgium, Tel: (32) 2 663 0600, Fax: (32) 2 663 0640

Asia Pacific: Rockwell Automation, Level 14, Core F, Cyberport 3, 100 Cyberport Road, Hong Kong, Tel: (852) 2887 4788, Fax: (852) 2508 1846