



# FIELD EVALUATIONS

## DEMONSTRATING COMPLIANCE

### What is required?

In the U.S., all electrical equipment is required to be “approved” for use in the workplace by the Occupational Safety and Health Administration (OSHA), the federal organization that oversees workplace safety. In addition to the OSHA requirements, some states and cities have specific compliance requirements for building products, electrical equipment, and gas-fired equipment.

### What if equipment or a product is customized or modified?

- If equipment is a one-off or customized unit, it probably doesn't carry a third party certification mark. If the equipment has been altered or modified, a third party certification mark, if initially applied, may be voided.
- In both of these scenarios, customized or modified, it is likely that a field evaluation will be needed in order for the authority having jurisdiction (AHJ) to accept the equipment and approve it for use.

### What is a field evaluation?

Field evaluations are one-time assessments performed on equipment or products that haven't gone through the traditional certification process because the equipment is custom or intended to be made in limited quantities. Typically, the field evaluation will include an on-site assessment with visual observations and testing in accordance with the relevant code(s) and standard(s).

### What is the process for a field evaluation?

- The customer engages a field evaluation provider that is acceptable to the authority having jurisdiction (AHJ).
- The field evaluation company discusses the scope and requirements with the AHJ and customer.
- The field evaluation is performed and a field evaluation label is applied if all requirements are met. If there are non-compliances, the customer can address any issues to satisfy the requirements.
- A report is issued to the customer and the AHJ.

### What types of products are field evaluated?

- Industrial control panels
- Fire doors
- And many others...
- Factory equipment
- Furnaces and ovens

### What are some of key codes and standards related to field evaluations?

- **NFPA 70®**, *National Electrical Code®*
- **NFPA 79**, *Electrical Standard for Industrial Machinery*
- **NFPA 86**, *Standard for Ovens and Furnaces*
- **NFPA 790**, *Standard for Competency of Third-Party Field Evaluation Bodies*
- **NFPA 791**, *Recommended Practice and Procedures for Unlabeled Electrical Equipment Evaluation*
- **UL 48**, *Electric Signs*
- **UL 508A**, *Industrial Control Panels*
- **UL 1598**, *Luminaires*

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