

INCREASING SPEED TO MARKET



etiTM
Conformity Services



Conformity Services



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Put Time on Your Side. Use eti Conformity Services.

When you are trying to bring a project to completion and the local inspector unexpectedly “red tags” your equipment, time isn’t always on your side. It takes time to perform the necessary testing, particularly where conformity assessment is concerned. But you can reduce the time it takes to get your unlabeled equipment operational by choosing a Field Evaluation Body (FEB) that has already performed extensive testing within your industry.

If your facility uses low- or medium-voltage electrical equipment, consider the benefits of using the pioneer in electrical testing, eti Conformity Services. For more than 30

years, eti Conformity Services has been performing field evaluations and has completed more than 40,000 projects across the United States. In addition, eti Conformity Services is approved by more than 400 Authorities Having Jurisdiction (AHJ) from around the country and has long been recognized for setting the industry benchmark for field evaluation services. So when it comes to evaluating equipment for safety, eti Conformity Services knows the pivotal role that proper testing and evaluation play, and we understand the importance of meeting the only deadline that matters — yours.



Not All Field Evaluation Bodies Are Created Equal.

Many organizations already embrace safety compliance and invest considerable resources in order to protect employees, the environment and the company as a whole. Not all testing companies have the competency or experience needed to help you protect this investment, but eti Conformity Services does. By working with an accredited Field Evaluation Body (FEB) that has an expansive network of highly trained, safety-certified technicians, organizations like yours can eliminate the risk associated with malfunctioning or hazardous equipment. eti Conformity Services can partner with you to ensure timely evaluation and recommend cost-effective issue resolution if needed.

In addition to saving you time and money, the following factors should be considered when evaluating an FEB for a potential conformity project:

Objective and Unbiased

- >> Independent, professional, third-party testing organization focused on conformity assessment services

Quality

- >> Meets the requirements of NFPA 790
- >> Accredited as an FEB by IAS
- >> Well maintained and equipped facilities
- >> Qualified and trained staff
- >> Approved quality system in place
- >> Financial stability
- >> Qualified technical supervision and management

Methodology

- >> Meets the requirements of NFPA 791
- >> Familiar with and experienced in application of UL, IEEE and NFPA standards
- >> Proper sample control/integrity requirements
- >> Large inventory of test equipment calibrated and traceable to NIST

Responsiveness

- >> Complete record keeping system with test data availability
- >> Professional systems in place to deliver prompt service



The background and experience of the Field Evaluation Body, along with the type and condition of the testing equipment, can have serious implications on test results.

You Have a Choice. Choose the Industry Experts.

Accredited

eti Conformity Services is certified as a Field Evaluation Body (FEB) by the International Accreditation Service (IAS). IAS is a nonprofit corporation that has been providing accreditation services since 1975. As one of the leading accreditation bodies in the United States, IAS accredits a wide range of companies and organizations including governmental entities, commercial businesses and professional associations.

eti Conformity Services' experience, practices, equipment and processes meet the stringent NFPA 790, NFPA 791, IEC 17025 and IAS AC354 requirements to become an FEB. IAS accreditation provides objective evidence that eti Conformity Services operates at the highest level of ethical, legal and technical standards.

Recognized

Having provided field evaluations of unlisted equipment since the early '80s, eti Conformity Services has unparalleled experience in the industry and thus is recognized and approved by AHJs and building code officials from around the U.S. We have built credibility by consistently demonstrating our proficiency, and have garnered the respect of both inspection authorities and end users alike.

Knowledgeable

Our engineers know the applicable safety standards for your class of equipment, along with the reasons behind the standards. eti Conformity Services engineers have immediate online access to all relevant standards, including those issued by NFPA, IEEE and UL.

Responsive

You need service partners who can respond where and when you need them. With strategically located service centers across the U.S., you'll receive local service with worldwide capability. The eti Conformity Services team of compliance engineers, field engineers, and test technicians offer one of the industry's fastest turnaround times to get your product or equipment tested, certified, and ready for use on your time schedule.





Experience the eti Conformity Services Difference.

Expect superior service and ongoing communication which are the hallmarks of eti Conformity Services. Our team of experts provides the following solutions through accurate testing; comprehensive, reliable reports; and streamlined procedures — making every project easy for you.

- >> Quick response to get your unlabeled equipment evaluated and online
- >> Close and ongoing communication
 - ▶ Direct access to engineers who know your product; understandable information on worldwide standards and how they apply to you; concise information that makes conformity projects easier

- >> Safety
 - ▶ All eti Conformity Services team members undergo rigorous safety training
- >> Accurate and repeatable results
 - ▶ Equipment is thoroughly inspected and test results are documented
- >> Credibility built on a history of serving the industry
- >> Strategically located service centers for unparalleled responsiveness
- >> Industry experts who solve your problems
 - ▶ eti Conformity Services is staffed by leading scientists, engineers and technicians

Perform Field Evaluations. Set the Standard.

eti Conformity Services safety evaluations, also called third party inspections or field evaluations, are often requested when a local electrical inspector cannot determine the acceptability of an installation because the equipment is not listed, labeled or “approved.” This occurs when new equipment is unevaluated (does not have laboratory marking), or existing equipment has been modified in some way, or is being relocated. Time is critical in these cases because inspectors usually require testing and safety evaluations prior to startup or release to operational mode.

An eti Conformity Services Evaluated label may also be applied at the point of manufacture, when custom-made or foreign-made equipment is being produced or modified for an unusual or unique process. The end users may opt for eti Conformity Services, as a recognized third party, to evaluate the product at the factory, on site after installation, or a combination of these locations, depending on jurisdictional requirements. In either case, an eti Conformity Services Evaluated label applied to the equipment signifies that the product meets the essential requirements of the applicable product safety standard or applicable portions of several product safety standards where one single standard does not exist.



Field evaluations include inspections, testing and final evaluation

Inspections include:

- >> Overall construction
- >> Enclosures
- >> Grounding
- >> Damaged components
- >> Electrical clearances
- >> Guarding of live parts in normal operation and during maintenance or service
- >> Wiring methods and ratings
- >> Equipment drawings and applicable markings
- >> Nameplate information
- >> Suitability of the equipment for the intended environment

Test procedures typically include:

- >> Heat rise testing
- >> Insulation resistance testing
- >> Dielectrical withstand testing
- >> Leakage current testing
- >> Input voltage and current to validate the nameplate data
- >> Functional testing of safety circuits, interlocks and Emergency Off actuators



Inspection Authorities Trust eti Conformity Services Labels. You Can Too.

As an accredited Field Evaluation Body, eti Conformity Services has met the rigorous requirements for personnel, procedures, test equipment and competence to inspect and test unlisted electrical equipment. We are trusted experts tasked with applying appropriate labels to equipment after verifying it meets the safety and performance standards of such organizations as the National Fire Protection Association (NFPA), Underwriters Laboratories (UL) and Institute of Electrical and Electronics Engineers (IEEE).

Once equipment has been evaluated and verified to be in compliance with applicable requirements, the unit is labeled and a final report is issued detailing the assessment performed. The eti Conformity Services Evaluated label is widely accepted by AHJs and building code officials throughout the United States. eti Conformity Services labels can be found on thousands of pieces of equipment ranging from commercial refrigerators to printing presses to industrial systems and more.

Working with eti Conformity Services makes the final approval of equipment smoother. Local jurisdictions know that if the eti Conformity Services Evaluated label is applied, the job was done right.





Check Code Compliance. Get It Done Right.

Owners, insurance companies and end users initiate many calls for Code Compliance Evaluations. In addition to ensuring that electrical products meet industry standards, they also determine if the installation was done properly and that products applied outside of their regular listings still meet the applicable codes, standards and safety orders for the installation.

They recognize that eti Conformity Services provides the same prompt, efficient and reliable service for these critical evaluations. eti Conformity Services engineers have a thorough knowledge of NFPA 70, National Electrical Code and applicable local jurisdictional requirements.

eti Conformity Services engineers' mutual respect and close working relationships with state and local electrical inspectors helps ensure ready acceptance and avoids costly project delays. This, coupled with our extensive experience with total facility reliability and safety, gives you a competitive edge ensuring that your equipment operates as intended, right from the start.

eticonformity.com



Put eti Conformity Services on Your Team. Put Experience to Work.

Choose the eti Conformity Services team and take the first step in streamlining the complex processes associated with conformity assessment. eti Conformity Services' seasoned engineers and technicians know how to simplify the approval process while building in tools for safety and reliability. With more than 30 years of knowledge, our team is prepared to quickly and cost-effectively evaluate your equipment to ensure safe operation and compliance, and put time on your side.



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