



FIELD EVALUATION OF NON-LISTED OR MODIFIED ELECTRICAL EQUIPMENT

NFPA 790 - Standard for Competency of Third-Party Field Evaluation Bodies

www.nfpa.org/790

NFPA 791 - Recommended Practice and Procedures for Unlabeled Electrical Equipment Evaluation

www.nfpa.org/791

IAS AC354 - Accreditation Criteria for Field Evaluation of Unlisted Electrical Equipment

<https://www.iasonline.org/services/field-evaluation-bodies/>

ICC TRI-CHAPTER UNIFORM CODE COMMITTEE (TUCC) Policy #24 [Procedures for the Approval of the Installation and Use of Electrical Equipment](#)

Planning and Development Permit Center

70 W Hedding Street
East Wing, 7th Floor
San Jose, CA 95110
Phone: (408) 299-5770
Email to:
PLN-PermitCenter@pln.sccgov.org

General Requirements

I. Listing and Labeling of Electrical Equipment

All electrical equipment shall be listed by a nationally recognized testing laboratory (NRTL) or labeled in the field by an approved third-party Field Evaluation Body (FEB). Listed equipment shall be labeled with the certification mark of the listing agency. Where applicable, all listed equipment shall be installed and used in accordance with any instructions included in the listing (CEC Section 110.3(b)). The listing shall be in accordance with the applicable nationally recognized safety standard for the equipment that is in harmony with the CEC. For listed equipment, the safety standard shall be identified within the NRTL's certification directory. Manufacturer's self-certification of any equipment shall not be used as a basis for approval by the AHJ.

II. Field Modification of Listed and Labeled Electrical Equipment:

The acceptability of field modifications to listed and labeled electrical equipment shall be determined by the AHJ. The AHJ shall consider the effect of the modification on the integrity of the equipment. The AHJ has the authority to require a field evaluation of listed equipment that has been modified. Field evaluation of modified equipment may only be done by an approved FEB* at no cost to the jurisdiction. A documented report shall be provided to the AHJ stating that the modified equipment continues to comply with the applicable nationally recognized safety standard(s) for the subject equipment.

Effective January 1st, 2023, accreditation of a FEB by International Accreditation Services (IAS) in accordance with AC 354 (www.iasonline.org), to demonstrate that the FEB meets the criteria of NFPA 790. Field evaluations are only to be performed within the scope of the FEB's accreditation. The field evaluation by the third party shall be performed in accordance with NFPA 791, and a copy of the documented report shall be provided to the AHJ for review and approval PRIOR to requesting a final inspection of the permitted work.

**FEBs must be presented to the AHJ for approval prior to commencing the evaluation of any modified or non-listed equipment.*



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Step 1

- Submit FEB information, a copy of the [Application for recognitions as a third-party field evaluation body \(FEB\)](#), evaluation scope, description of the equipment being evaluated, and referenced standards to be used for the investigation, to the AHJ building@pln.sccgov.org for review and approval
- Once approved the information will be documented in the permit record and noted on the approved plans

Step 2

- FEB will conduct the evaluation the subject equipment and when approved, label the equipment and submit the approved report to the AHJ building@pln.sccgov.org for review and approval
- Once approved, the AHJ will add an inspection note stating “FEB report approved”

Step 3

- When ready, the contractor or applicant may request a final inspection of the project using inspection codes, FI01 Project complete and EL08 Final Electrical

Inspection requirements

- Hard copy of the approved plans
- Hard copy of the field evaluation report
- FEB label affixed to subject equipment

The following stamp will be affixed to all approved plans that include electrical equipment that requires a field evaluation

**THIRD PARTY FEILD EVALUATION OF MODIFIED
OR UNLISTED EQUIPMENT REQUIRED**

- * Approved report shall be uploaded to the permit record
- * Review and approval of the report required by the AHJ prior to requesting a final inspection
- * FEB label affixed to subject equipment matches that stated on the FEB report