

<b>Examination Procedure</b>  Rubrik / Title <b>FAT, Factory Acceptance Test</b>	Beteckning / Document <b>KBE EP-192</b>
	Utgåva / Issue <b>2 (E)</b>
	Datum / Date <b>2013-08-20</b>
	Ersätter / Supersedes <b>1 (E)</b>

## 1 Scope

This Examination procedure is applicable for performance of FAT at the time of delivery inspection of electrical equipments.

## 2 Objective

Based on the test plan the Supplier/Manufacturer shall verify

- a) the equipments performance
- b) function and design to be sure that the components and equipments meet specified requirements
- c) user documentation

## 3 Method

### 3.1 Prerequisites

The *Manufacturer* is responsible for creating an agenda.

The *Manufacturer* is responsible for creating test procedures and communicate them at least 2 weeks before FAT for the *Purchaser's* approval.

During the FAT it shall be possible for the *Purchaser* to make own tests and verifications.

The *Manufacturer* is responsible for premises, test equipment and test documentation.

Before FAT, the equipment shall be set up and a complete inspection with respect of function and performance according to agreed configurations shall have been performed. The test shall be documented and available for the *Purchaser*.

The *Manufacturer* is responsible to ensure that test staff is present.

When the documentation has been approved it shall be locked and shall not be changed without the process being backed up to the stage when development of the documentation had still not been completed. It will therefore be necessary to carry out a reverification and handling in accordance with the *Manufacturers* principles for documentation control.

Delivery inspection according to KBE EP-191 shall be performed before the FAT starts.

## 3.2 Performance

Parts of the complete test shall be repeated according to the approved FAT procedure and demonstrated to the *Purchaser*.

The fact that the *Purchaser* may have taken part in the FAT or other inspections, does not relieve the *Manufacturer* from his contractual commitments and responsibilities for the products quality.

## 4 Acceptance Criteria

Non-conformities with respect to the current requirements meant for FAT shall be documented in a non-conformity report and presented to the *Purchaser*. The *Purchaser* shall perform a judgment for every non-conformity and come to a decision if the test has to abort or continue. It must be described in the report if the non-conformity shall be corrected before delivery can take place.

Check that:

- FAT for the equipment was carried out successfully
- Non-conformities has been documented and taken care of by the *Supplier/Manufacturer* or has been accepted by the *Purchaser*
- The result from performed FAT has been documented

## 5 Documentation

The *Supplier/Manufacturer* shall create a report of preformed FAT. The report shall as a minimum include the following:

- Inspected item (system, software etc.)

Product, designation or other identification shall be stated, as well the Purchasers order number.

- Examination procedure

Reference to test programs with checklists if any. Tools and measuring instruments used shall be identified.

- Result

It shall be evident that the item has met the requirements laid down.

- Open items and non-conformities

Open items shall be identified and listed. It shall be described, how, when and by whom the open items shall be closed in a non-conformity report

- The Supplier/Manufacturer and the Purchaser Representatives

Date and signatures by the examination team of the performed FAT.

- Approval

The document shall have been examined and approved according to the Manufacture internal QA/QC – instructions and by the department responsible for quality. The report shall be signed by the Manufacture and by the Purchaser if FAT carried out successfully

Other requirements according to documentation are specified in TBE 100 and KBE 100.