

Examination Procedure <small>Rubrik / Title</small> Site Acceptance Test (SAT) of equipment with programmable electronics	<small>Beteckning / Document</small> KBE EP-186
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1 Scope

This Examination Procedure is applied to an installed system based on programmable electronics.

2 Purpose

The purpose of the examination procedure is to verify:

- a) that the equipment has not been affected by transport, storage and installation.
- b) correct installation.
- c) that interfaces to the plant are working correctly.
- d) correct interaction with the plant
- e) user documentation.

3 Method

Preconditions

The following must have been done:

- FAT carried out successfully
- The SAT procedure, comprising testing methods and acceptance criteria, produced by the Manufacturer, examined and approved by the Purchaser.

Method

Verification is done against the SAT testing procedure.

4 Acceptance Criteria

Verification is done against the SAT testing procedure, also including acceptance criteria. Identified errors and unclear points are noted in the non-conformity report. In every such case a judgement shall be made as to whether to abort or continue the SAT. This judgement shall be stated in the non-conformity report. The report shall also state whether non-conformity reports must be corrected before delivery is handed over to the Purchaser.

When the non-conformity has been corrected, the SAT shall be repeated. If it can be shown that the corrective action is limited and that the modularisation is so strict that the correction can only

affect a certain delimited part of the software, it may be sufficient only to check that part. This is decided in consultation between the Purchaser and the Supplier. The reasoning shall be documented.

5 Documentation

The SAT shall be documented with a report containing at least the following information:

- Inspected item (system, software etc.)

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

- Examination procedure

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

- Result

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

- Outstanding points, non-conformities

Shall be listed, with decisions as to continued processing and the reasons for the decisions.

- Inspectors

Date and signatures of the examination team.

- Approval

The document shall have been examined and approved by the unit responsible for quality and in other respects in accordance with the instructions for the department responsible for testing.