Examination Procedure	Beteckning / Document KBE EP-111
	Utgåva / Issue 2 (E)
Rubrik / Title Inspection of long-term stability of process instruments and control equipment	Datum / Date 2003-04-01
	Ersätter / Supersedes 1 (E)

1 Scope

This Examination Procedure is applicable to equipment where process instrumentation and/or control equipment are included. The examination procedure is to be performed as type inspection according to the Inspection Plan.

2 Objective

To verify the function and the long-term stability.

3 Method

According to IEC 61298-2, clause 7.2 (Long-term drift).

4 Acceptance Criteria

The stability determined is to meet the requirements stated in the Technical Specification. If no requirements are stated in the Technical Specification, the Manufacturers standard value shall apply.

5 Documentation

Type inspection (design verification) carried out is to be documented in a technical report as required in the Inspection Plan. The complete type inspection of the product may be documented in the same report.

The report must as a minimum include the following:

- Product identification

Product type, designations, versions, variations, etc.

- Test specimens

Type, designation, quantity, serial numbers, preparations, etc.

- Identity / Traceability

The identity of the product/test specimens in comparison with the Manufacturers specification and/or in comparison with the Technical Specification must be clearly specified as per KBE EP-180.

- Test procedure

It must be clearly stated if the inspection has been performed according to this Examination Procedure or to any other procedure agreed upon.

- Acceptance criteria

Performance requirements before, during and after specified tests.

- Test set-up

Detailed description of test set-ups, electrical and mechanical interfaces.

- Measurement equipment

Type of equipment, accuracy, identification, etc., and current calibration data for monitoring and recording equipment.

- Results

Measured and recorded values that are to be documented as per the procedure as well as any deviations from requirements in applicable specifications or test procedures must be reported. Date of inspections and name of responsible inspectors are to be included.

- Summary and conclusion

It must be evident that the product has fulfilled stated requirements and acceptance criteria.

- Approval

The report must be reviewed and approved in accordance with the Manufacturers or the laboratory's internal QA/QC routines.