

Examination Procedure Rubrik / Title Inspection of corrosion protection	Beteckning / Document KBE EP-148
	Utgåva / Issue 1 (E)
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	Ersätter / Supersedes KSU-KBE EP-148 (E)

1 Scope

This Examination Procedure is normally applicable as routine inspection to I&C equipment and items that have been protected against corrosion.

2 Objective

To verify the corrosion protection in terms of resistance to applicable environmental conditions, mechanical stresses, mineral oils and ionizing radiation.

3 Method

Cleanliness of components shall be visually inspected before corrosion protection is applied. Paints must be supplied with a certificate from the manufacturer. Ambient temperature and humidity at the time of painting are to be recorded. Finished surfaces are to be visually inspected. The thickness of each anticorrosion layer is to be measured and recorded.

All surfaces, including those provided with only temporary corrosion protection, shall be checked. Sample measurements of the thickness of each protective layer may be accepted.

4 Acceptance Criteria

The corrosion protection, including cleaning and pre-treatment, must meet the requirements stated in the Technical Specification, or in a specification issued by the Manufacturer and approved by the Purchaser.

5 Documentation

Inspection performed is to be documented in a inspection certificate, record or technical report as required in the Inspection Plan. Several examinations within one and the same Inspection Plan may be reported in the same document.

Examinations carried out as routine (100%) inspection are to be reported to the Purchaser as original documents.

The document must as a minimum include the following:

- Items examined

Product, designation, quantity, serial numbers and reference to the Purchasers order.

- Identity / Traceability

The identity of the objects under examination in comparison with type tested items and in comparison with relevant specifications must be specified, unless the identity is certified in a separate document (as per KBE EP-180).

- Examination procedure

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

- Measurement equipment

Type of equipment, accuracy, identification, etc, and current calibration data for the equipment used where performance is significant to the results.

- Results

It must be evident that the items have fulfilled stated requirements and acceptance criteria. 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.

- Approval

Date of inspection and name of responsible inspector are to be included. The document must be reviewed and approved in accordance with the Manufacturers or the laboratory's internal QA/QC routines.