

Examination Procedures <small>Rubrik / Title</small> Verification of application software code	<small>Beteckning / Document</small> KBE EP-184
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1 Scope

This Examination Procedure shall be evaluated to determine to what extent it is applicable to the current application software.

The examination procedure is not applicable when the program code is generated automatically from elements defined in a program library.

2 Purpose

To ensure that coded application software meets the requirements set out in the software specification and that the specified coding and commenting standard has been complied with. The examination procedure is also known as the coding inspection.

3 Method

The verification is carried out as a character-by-character check (proofreading) of a printout generated by the system, including tools used (if any), against the software specification. The check also covers compliance with the specified coding and commenting standard.

4 Acceptance Criteria

The verification is done against the software specification and the specified coding and commenting standard. Identified errors and unclear points are noted in the non-conformity report. They shall be corrected before work can begin on subsequent steps in the development or design process. When the coded application software has been approved it shall be locked and placed under configuration control and shall not be changed without the process being backed up to the stage when development of the coded application software had still not been completed. It will therefore be necessary to carry out a re-verification and handling in accordance with the Manufacturers/Suppliers principles for documentation control.

5 Documentation

The verification shall be documented with a report containing at least the following information.

- Inspected item (system, software etc.)

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

- Examination procedure

The examination procedure shall be described.

A checklist shall be attached or a reference to it shall be given.

- Result

The extent of conformity with the requirements shall be stated.

- Inspectors/Reviewers

Date and signature of the examination team.

- Approval

The document shall have been examined and approved by the unit responsible for quality and in accordance with the internal QA/QC instructions of the Manufacturer/Supplier.

- Open items, non-conformities

Open items and any non-conformity with respect to the software specification, coding and commenting standard shall be stated.