Examination Procedure Rubrik/Title Verification of system specification	Beteckning / Document KBE EP-182
	Utgåva / Issue 4 (E)
	Datum / Date 2015-10-07
	Ersätter / Supersedes 3 (E)

1 Scope

This Examination Procedure is applied to system specifications that define functions realised in programmable electronics.

2 Purpose

To ensure that the system specification describes a solution that corresponds to the Purchasers requirement specification.

3 Definitions

System specification

The Manufacturers/Suppliers document covering the functions and performance of the system.

Requirement specification

The Purchasers document setting out the requirements to be met by the functions and performance of the system.

4 Method

The requirement specification is written by the Purchaser and forms part of the enquiry or procurement documentation. It is the Purchasers responsibility to ensure that the enquiry and procurement documentation is examined and approved in accordance with the Purchasers quality assurance program.

The system specification is written by the Manufacturer/Supplier and it is the Manufacturer/Supplier who, together with the Purchaser, is responsible for examination, review and approval. The system specification is reviewed against the Purchasers requirement specification.

Furthermore it is in the Manufacturers/Suppliers undertaking to assess the possibilities of implementing the products he has to offer and that his company has sufficient knowledge and capacity to produce what the Purchaser wants. In this case it is therefore a matter of the contract review according to ISO 9001.

5 Acceptance Criteria

The system specification is examined against the Purchasers requirement specification. Errors or unclear points shall be corrected before work can start on the software requirement specification or other subsequent steps in the development or design process. When the system specification 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 system specification had still not been completed. It is therefore necessary to carry out a re-verification and handling in accordance with the Manufacturers/Suppliers principles for documentation control.

6 Documentation

Completed verification shall be documented in the form of a review report. This applies both to verification of the system specification and to the contract review carried out by the Manufacturer/Supplier.

The review report shall at least contain the following information:

- Inspected item (system, program etc.)

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

- Review procedure

The review 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.

- Open items, non-conformities

Open items and any non-conformities with respect to the requirement specification shall be stated.

- Inspectors

Date and signatures of the examination team.

- Approval

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

7 Checklist for examination of system specification

The system specification primarily describes on system level. It is supplemented by Technical Requirements, TBE 106:X-1 or TBE 106:X-2, which describe requirements on apparatus level and govern requirements that are not included in the system specification.