

QM Quality Management Information System

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Standard Analyses

Flexible Analyses

Planning

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Version

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Basic Structure and Concepts

This section discusses the basic structure and the conceptual background of the Quality Management Information System (QMIS). The first topic outlines the functions of the Quality Management Information System. The other topics present the basic structure of the Quality Management Information System and describe the most important elements of the QMIS.

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Functions of the Quality Management Information System

The issues, functions, and even the meaning itself of quality management have undergone fundamental changes in the last thirty years. These changes show no signs of slowing down or stopping. In previous years quality management involved monitoring and controlling in order to identify defects. Today the purpose of quality management is to avoid defects and to maintain a certain level of quality.

Inspections are as imperative today as they have always been. However their target now is to provide information for quality monitoring measures in such areas as vendor selection, production, and product development. The computerization of the inspection process and the use of quality-dependent dynamic modification, which can lead to the elimination of an inspection (skip), enables companies to reduce or replace inspections in favor of measures to avoid defects.

A quality management system should help a company to achieve a high level of quality for its products as well as a high level of productivity. Such a system should also help a company to reduce quality costs, and thereby the overall costs, or at least keep them to an acceptable limit. In addition to reducing a company's overall costs, retaining or increasing market share is another goal of a quality management system.

The Quality Management Information System provides the information you need so that you can continuously monitor these key goals of quality management and can react to events at the appropriate time. The Quality Management Information System uses the current data from the inspection processes and provides a number of performance measures for evaluating quality-relevant processes.

What is the Quality Management Information System?

The Quality Management Information System (QMIS) is a flexible tool for collecting, consolidating, and analyzing data from inspection processes. The goal of the Quality Management Information System is to provide you with all relevant views of the data from the applications. You can control the level and depth of information to meet your needs.

Two Types of Analyses

The Quality Management Information System offers two types of data analysis: **standard analysis** and **flexible analysis**.

Which Data is Analyzed?

Standard analyses are based on the statistical data of QMIS (called information structures). This means that the important performance measures are updated immediately from the operative application.

With **flexible analyses** you can analyze the existing SAP data structures and can carry out ad hoc evaluations/analyses.

Planning

The comparison between planning data and actual data supports decision making in quality management. The QMIS enables you to not only collect and consolidate the actual data, but also to enter the planning data.

The QMIS can be implemented at the various decision levels as a monitoring, controlling, and planning instrument.

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