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Posebne zahteve za uporabo ISO 9001:2000 v organizacijah s serijsko proizvodnjo in proizvodnjo nadomestnih delov v avtomobilski industriji

Quality management systems -- Particular requirements for the application of ISO 9001:2000 for automotive production and relevant service part organizations

iTeh STANDARD PREVIEW

Systèmes de management de la qualité -- Exigences particulières pour l'application de l'ISO 9001:2000 pour la production de série et de pièces de rechange dans l'industrie automobile

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Ta slovenski standard je istoveten z: ISO/TS 16949:2002

ICS:

03.120.10	Vodenje in zagotavljanje kakovosti	Quality management and quality assurance
43.020	Cestna vozila na splošno	Road vehicles in general

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TECHNICAL SPECIFICATION

**ISO/TS
16949**

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2003-12-15

Quality management systems —

Particular requirements for the application of ISO 9001:2000 for automotive production and relevant service part organizations

iTeh STANDARD PREVIEW
*Systèmes de management de la qualité —
Exigences particulières pour l'application de l'ISO 9001:2000 pour la
production de série et de pièces de rechange dans l'industrie automobile*

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

In other circumstances, particularly when there is an urgent market requirement for such documents, a technical committee may decide to publish other types of normative document:

- an ISO Publicly Available Specification (ISO/PAS) represents an agreement between technical experts in an ISO working group and is accepted for publication if it is approved by more than 50 % of the members of the parent committee casting a vote;
- an ISO Technical Specification (ISO/TS) represents an agreement between the members of a technical committee and is accepted for publication if it is approved by 2/3 of the members of the committee casting a vote.

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An ISO/PAS or ISO/TS is reviewed after three years with a view to deciding whether it should be confirmed for a further three years, revised to become an International Standard, or withdrawn. In the case of a confirmed ISO/PAS or ISO/TS, it is reviewed again after six years at which time it has to be either transposed into an International Standard or withdrawn.

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ISO/TS 16949:2002 was prepared by the International Automotive Task Force (IATF) and Japan Automobile Manufacturers Association, Inc. (JAMA), with support from ISO/TC 176, *Quality management and quality assurance*.

This second edition of ISO/TS 16949 cancels and replaces the first edition (ISO/TS 16949:1999), which has been technically revised.

Boxed text is original ISO 9001:2000 text. The sector-specific supplemental requirements are outside the boxes.

In this Technical Specification, the word “shall” indicates a requirement. The word “should” indicates a recommendation. Paragraphs marked “NOTE” are for guidance in understanding or clarifying the associated requirement.

Where the term “such as” is used, any suggestions given are for guidance only.

Annex A forms a normative part of this Technical Specification.

This corrected version of ISO/TS 16949:2002 incorporates the following corrections:

- e-mail address of IAQB corrected on page viii;
- year of publication corrected in 0.3.1;
- the term “supplier” replaced by “the organization's” in Note to 7.6.3.1;
- “agree with” replaced by “approve” in last paragraph of 8.3.4.

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Remarks for certification

The certification to this Technical Specification, including customer-specific requirements if any, is recognized by the customer members of IATF when achieved according to the IATF certification scheme (see the “Rules for achieving IATF recognition”).

Details can be obtained at the addresses of the local oversight bodies of IATF cited below:

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Introduction

0.1 General

ISO 9001:2000, Quality management systems — Requirements

Introduction

0.1 General

The adoption of a quality management system should be a strategic decision of an organization. The design and implementation of an organization's quality management system is influenced by varying needs, particular objectives, the products provided, the processes employed and the size and structure of the organization. It is not the intent of this International Standard to imply uniformity in the structure of quality management systems or uniformity of documentation.

The quality management system requirements specified in this International Standard are complementary to requirements for products. Information marked "NOTE" is for guidance in understanding or clarifying the associated requirement.

This International Standard can be used by internal and external parties, including certification bodies, to assess the organization's ability to meet customer, regulatory and the organization's own requirements.

The quality management principles stated in ISO 9000 and ISO 9004 have been taken into consideration during the development of this International Standard.

0.2 Process approach

ISO 9001:2000, Quality management systems — Requirements

0.2 Process approach

This International Standard promotes the adoption of a process approach when developing, implementing and improving the effectiveness of a quality management system, to enhance customer satisfaction by meeting customer requirements.

For an organization to function effectively, it has to identify and manage numerous linked activities. An activity using resources, and managed in order to enable the transformation of inputs into outputs, can be considered as a process. Often the output from one process directly forms the input to the next.

The application of a system of processes within an organization, together with the identification and interactions of these processes, and their management, can be referred to as the "process approach".

An advantage of the process approach is the ongoing control that it provides over the linkage between the individual processes within the system of processes, as well as over their combination and interaction.

When used within a quality management system, such an approach emphasizes the importance of

- a) understanding and meeting requirements,
- b) the need to consider processes in terms of added value,
- c) obtaining results of process performance and effectiveness, and
- d) continual improvement of processes based on objective measurement.

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The model of a process-based quality management system shown in Figure 1 illustrates the process linkages presented in clauses 4 to 8. This illustration shows that customers play a significant role in defining requirements as inputs. Monitoring of customer satisfaction requires the evaluation of information relating to customer perception as to whether the organization has met the customer requirements. The model shown in Figure 1 covers all the requirements of this International Standard, but does not show processes at a detailed level.

NOTE In addition, the methodology known as "Plan-Do-Check-Act" (PDCA) can be applied to all processes. PDCA can be briefly described as follows.

Plan: establish the objectives and processes necessary to deliver results in accordance with customer requirements and the organization's policies.

Do: implement the processes.

Check: monitor and measure processes and product against policies, objectives and requirements for the product and report the results.

Act: take actions to continually improve process performance.

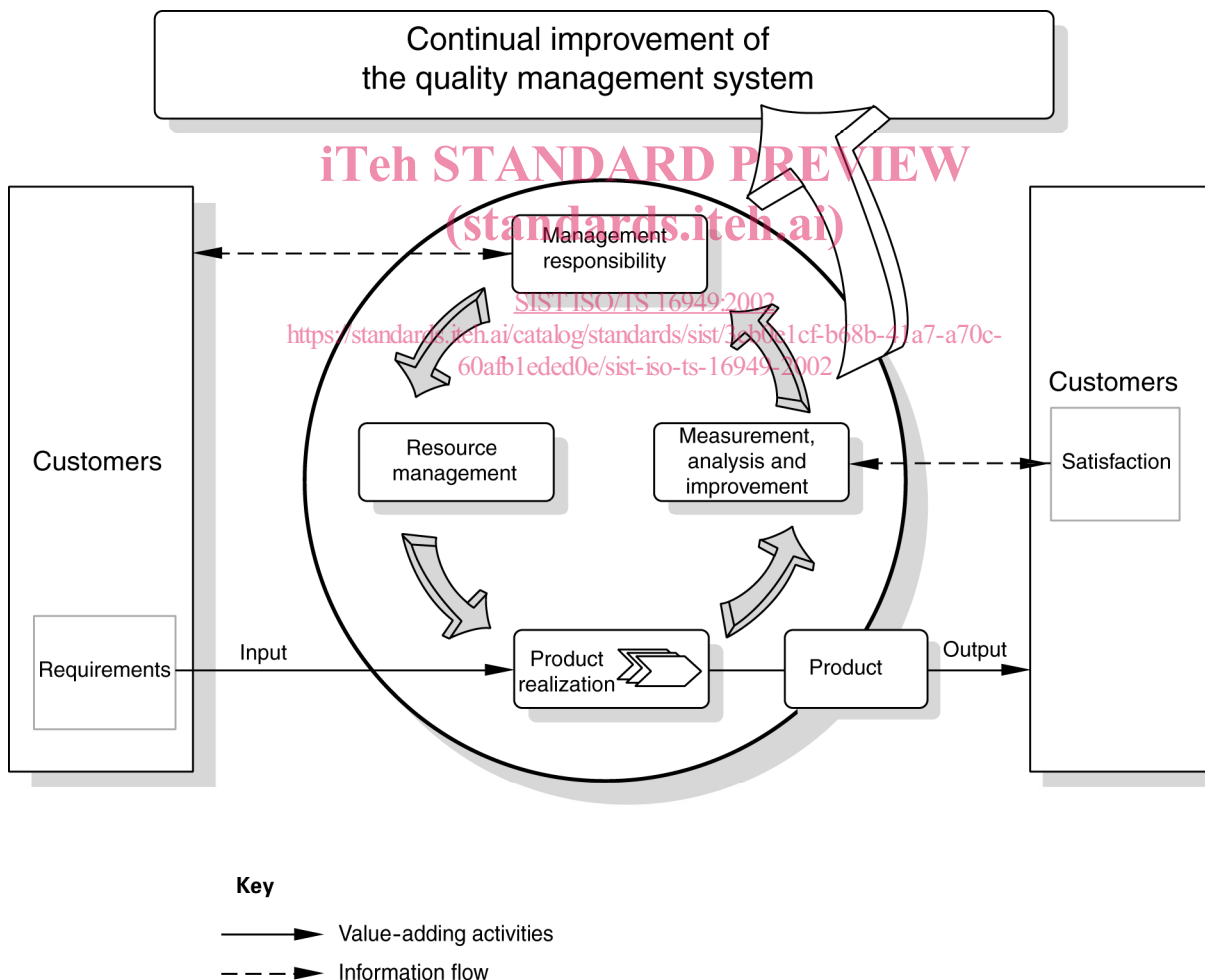


Figure 1 — Model of a process-based quality management system

0.3 Relationship with ISO 9004

ISO 9001:2000, Quality management systems — Requirements

0.3 Relationship with ISO 9004

The present editions of ISO 9001 and ISO 9004 have been developed as a consistent pair of quality management system standards which have been designed to complement each other, but can also be used independently.

Although the two International Standards have different scopes, they have similar structures in order to assist their application as a consistent pair.

ISO 9001 specifies requirements for a quality management system that can be used for internal application by organizations, or for certification, or for contractual purposes. It focuses on the effectiveness of the quality management system in meeting customer requirements.

ISO 9004 gives guidance on a wider range of objectives of a quality management system than does ISO 9001, particularly for the continual improvement of an organization's overall performance and efficiency, as well as its effectiveness. ISO 9004 is recommended as a guide for organizations whose top management wishes to move beyond the requirements of ISO 9001, in pursuit of continual improvement of performance. However, it is not intended for certification or for contractual purposes.

NOTE The knowledge and use of the eight quality management principles referred to in ISO 9000:2000 and ISO 9004:2000 should be demonstrated and cascaded through the organization by top management.

0.3.1 IATF Guidance to ISO/TS 16949:2002

"IATF Guidance to ISO/TS 16949:2002" is a document containing recommended automotive industry practices, examples, illustrations and explanations, and provides assistance in the application to conform to the requirements of this Technical Specification.

This IATF Guidance document is not intended for certification or for contractual purposes

0.4 Compatibility with other management systems

ISO 9001:2000, Quality management systems — Requirements

0.4 Compatibility with other management systems

This International Standard has been aligned with ISO 14001:1996 in order to enhance the compatibility of the two standards for the benefit of the user community.

This International Standard does not include requirements specific to other management systems, such as those particular to environmental management, occupational health and safety management, financial management or risk management. However, this International Standard enables an organization to align or integrate its own quality management system with related management system requirements. It is possible for an organization to adapt its existing management system(s) in order to establish a quality management system that complies with the requirements of this International Standard.