

Australian Standard™

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

This Australian Standard was prepared by Committee QR-008, Quality Systems. It was approved on behalf of the Council of Standards Australia on 23 May 2003 and published on 25 July 2003.

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## PREFACE

This Standard was prepared by the Standards Australia Committee QR-008, Quality Systems.

*This Standard incorporates Amendment No. 1 (March 2004). The changes required by the Amendment are indicated in the text by a marginal bar and amendment number against the clause, note, table, figure or part thereof affected.*

A1 | This Standard is identical with and has been reproduced from ISO/TS 16949:2002, *Quality management systems—Particular requirements for the application of ISO 9001:2000 for automotive production and relevant service part organizations*.

The objective of this Standard is, in conjunction with ISO 9001:2000, to define the quality management system requirements for the design and development, production and installation and service of automotive-related products.

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- (a) Its number appears on the cover and title page while the international Standard number appears only on the cover.
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<i>Reference to International Standard</i>		<i>Australian/New Zealand Standard</i>	
ISO		AS/NZS ISO	
9000	Quality management systems— Fundamentals and vocabulary	9000	Quality management systems— Fundamentals and vocabulary

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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.

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.

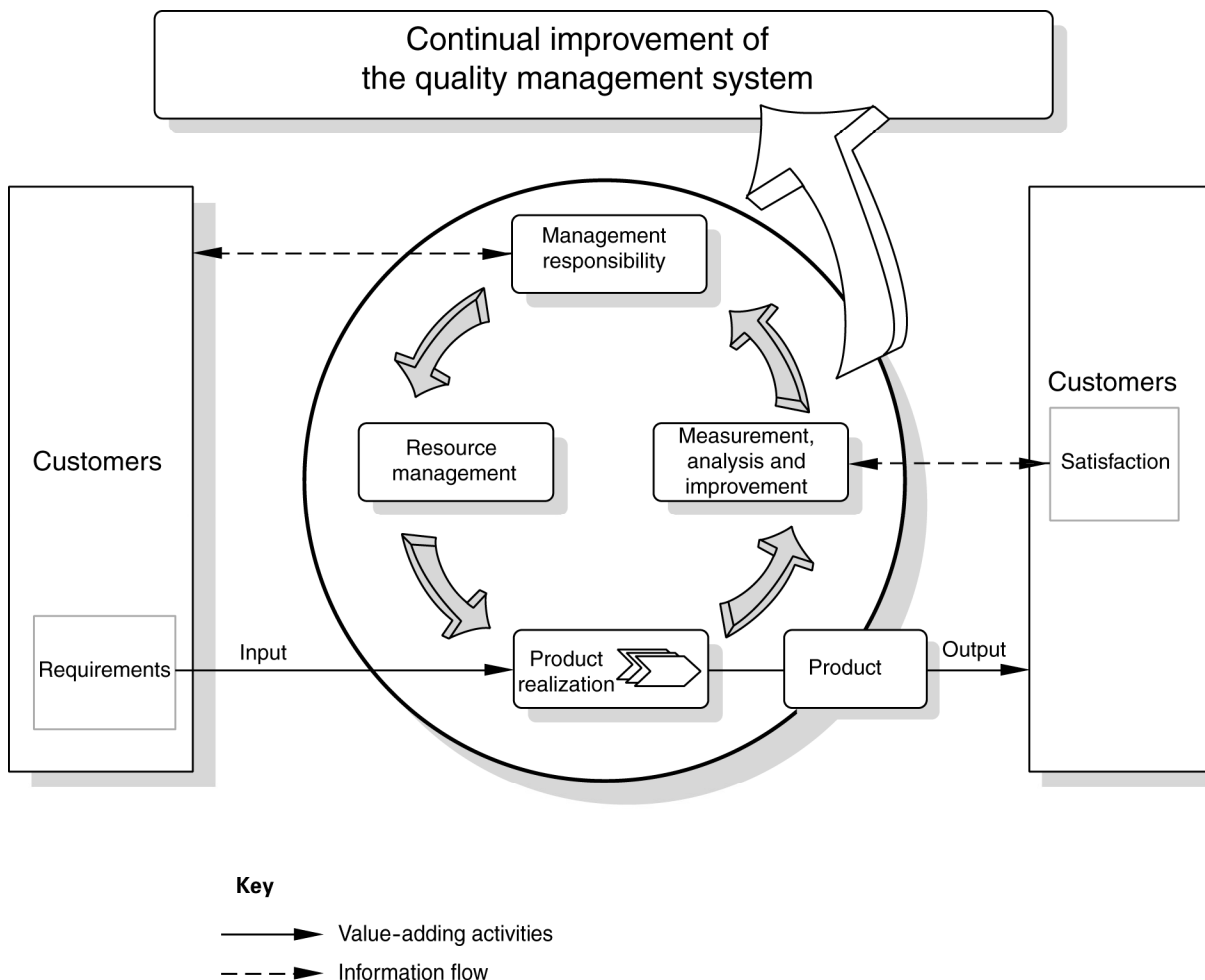
NOTE In addition, the methodology known as “Plan-Do-Check-Act” (PDCA) can be applied to all processes. PDCA can be briefly described as follows.

**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 16949:2000

“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.

### **0.5 Goal of this Technical Specification**

The goal of this Technical Specification is the development of a quality management system that provides for continual improvement, emphasizing defect prevention and the reduction of variation and waste in the supply chain.

This Technical Specification, coupled with applicable customer-specific requirements, defines the fundamental quality management system requirements for those subscribing to this document.

This Technical Specification is intended to avoid multiple certification audits and provide a common approach to a quality management system for automotive production, and relevant service part organizations.

## AUSTRALIAN STANDARD

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

## 1 Scope

### 1.1 General

#### ISO 9001:2000, Quality management systems — Requirements

#### 1 Scope

##### 1.1 General

This International Standard specifies requirements for a quality management system where an organization

- a) needs to demonstrate its ability to consistently provide product that meets customer and applicable regulatory requirements, and
- b) aims to enhance customer satisfaction through the effective application of the system, including processes for continual improvement of the system and the assurance of conformity to customer and applicable regulatory requirements.

NOTE In this International Standard, the term "product" applies only to the product intended for, or required by, a customer.

This Technical Specification, in conjunction with ISO 9001:2000, defines the quality management system requirements for the design and development, production and, when relevant, installation and service of automotive-related products.

This Technical Specification is applicable to sites of the organization where customer-specified parts, for production and/or service, are manufactured.

Supporting functions, whether on-site or remote (such as design centres, corporate headquarters and distribution centres), form part of the site audit as they support the site, but cannot obtain stand-alone certification to this Technical Specification.

This Technical Specification can be applied throughout the automotive supply chain.

### 1.2 Application

#### ISO 9001:2000, Quality management systems — Requirements

#### 1.2 Application

All requirements of this International Standard are generic and are intended to be applicable to all organizations, regardless of type, size and product provided.

Where any requirement(s) of this International Standard cannot be applied due to the nature of an organization and its product, this can be considered for exclusion.

Where exclusions are made, claims of conformity to this International Standard are not acceptable unless these exclusions are limited to requirements within clause 7, and such exclusions do not affect the organization's ability, or responsibility, to provide product that meets customer and applicable regulatory requirements.