

Quality management systems — Requirements for stockist distributors

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British Standard

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National foreword

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 23 and a back cover.

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English Version

**Aerospace series - Quality management systems -
Requirements for stockist distributors (based on ISO 9001:2000)**

Série aérospatiale - Systèmes de management de la
qualité - Exigences pour les distributeurs stockistes (basé
sur ISO 9001:2000)

Luft- und Raumfahrt - Qualitätsmanagementsystems -
Anforderungen für Händler und Lagerhalter (basiert auf ISO
9001:2000)

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Contents

Page

Introduction	5
0.1 General	5
0.1 Process approach	5
1 Scope	7
1.1 General	7
1.2 Application	7
2 Normative references	7
3 Terms and definitions	8
4 Quality management system	8
4.1 General requirements	8
4.2 Documentation requirements	9
4.2.1 General	9
4.2.2 Quality manual	9
4.2.3 Control of documents	10
4.2.4 Control of records	10
5 Management responsibility	11
5.1 Management commitment	11
5.2 Customer focus	11
5.3 Quality policy	11
5.4 Planning	11
5.4.1 Quality objectives	11
5.4.2 Quality management system planning	11
5.5 Responsibility, authority and communication	12
5.5.1 Responsibility and authority	12
5.5.2 Management representative	12
5.5.3 Internal communication	12
5.6 Management review	12
5.6.1 General	12
5.6.2 Review input	12
5.6.3 Review output	13
6 Resource management	13
6.1 Provision of resources	13
6.2 Human resources	13
6.2.1 General	13
6.2.2 Competence, awareness and training	13
6.3 Infrastructure	13
6.4 Work environment	13
7 Product realization	14
7.1 Planning of product realization	14
7.2 Customer-related processes	14
7.2.1 Determination of requirements related to the product	14
7.2.2 Review of requirements related to the product	14
7.2.3 Customer communication	14

7.3	Design and development	15
7.4	Purchasing	15
7.4.1	Purchasing process	15
7.4.2	Purchasing information	15
7.4.3	Verification of purchased product.....	16
7.5	Production and service provision	16
7.5.1	Control of production and service provision	16
7.5.2	Validation of processes for production and service provision	16
7.5.3	Identification and traceability	16
7.5.4	Customer property	17
7.5.5	Preservation of product.....	17
7.6	Control of monitoring and measuring devices	17
8	Measurement, analysis and improvement	18
8.1	General	18
8.2	Monitoring and measurement	19
8.2.1	Customer satisfaction.....	19
8.2.2	Internal audit	19
8.2.3	Monitoring and measurement of processes	19
8.2.4	Monitoring and measurement of product.....	19
8.2.5	<i>Evidence of conformance - Certificate of conformity</i>	20
8.3	Control of nonconforming product	20
8.4	Analysis of data	21
8.5	Improvement	22
8.5.1	Continual improvement	22
8.5.2	Corrective action	22
8.5.3	Preventive action	22
	Bibliography	23

Foreword

This European Standard (EN 9120:2005) has been prepared by the European Association of Aerospace Manufacturers - Standardization (AECMA-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of AECMA, prior to its presentation to CEN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2006, and conflicting national standards shall be withdrawn at the latest by June 2006.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

In December 1998, the Aerospace Industry established the International Aerospace Quality Group (IAQG) with the purpose of achieving significant improvements in quality and reductions in cost throughout the value stream.

This organization, with representation from Aerospace companies in Americas, Asia and Europe and sponsored by SAE, SJAC and AECMA has agreed to take responsibility for the technical contents of this standard.

This standard was reviewed by the Domain Technical Coordinator of AECMA-STAN's Process Domain.

To assure customer satisfaction, aerospace industry organizations must produce, and continually improve, safe, reliable products that meet or exceed customer and regulatory agency requirements. The globalization of the aerospace industry, and the resulting diversity of regional/national requirements and expectations, has complicated this objective. End-product organizations face the challenge of assuring the quality of, and integrating, product purchased from suppliers throughout the world and at all levels within the supply chain. Aerospace suppliers and processors face the challenge of delivering product to multiple customers having varying quality expectations and requirements.

This document standardizes, to the greatest extent possible, quality management system requirements for the aerospace industry. The establishment of common requirements, for use at all levels of the supply-chain, by organizations around the world, should result in improved quality and safety, and decreased costs, due to the elimination or reduction of organization-unique requirements and the resultant variation inherent in these multiple expectations.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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 Standard to imply uniformity in the structure of quality management systems or uniformity of documentation.

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

This 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 Standard.

0.2 Process approach

This 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 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.

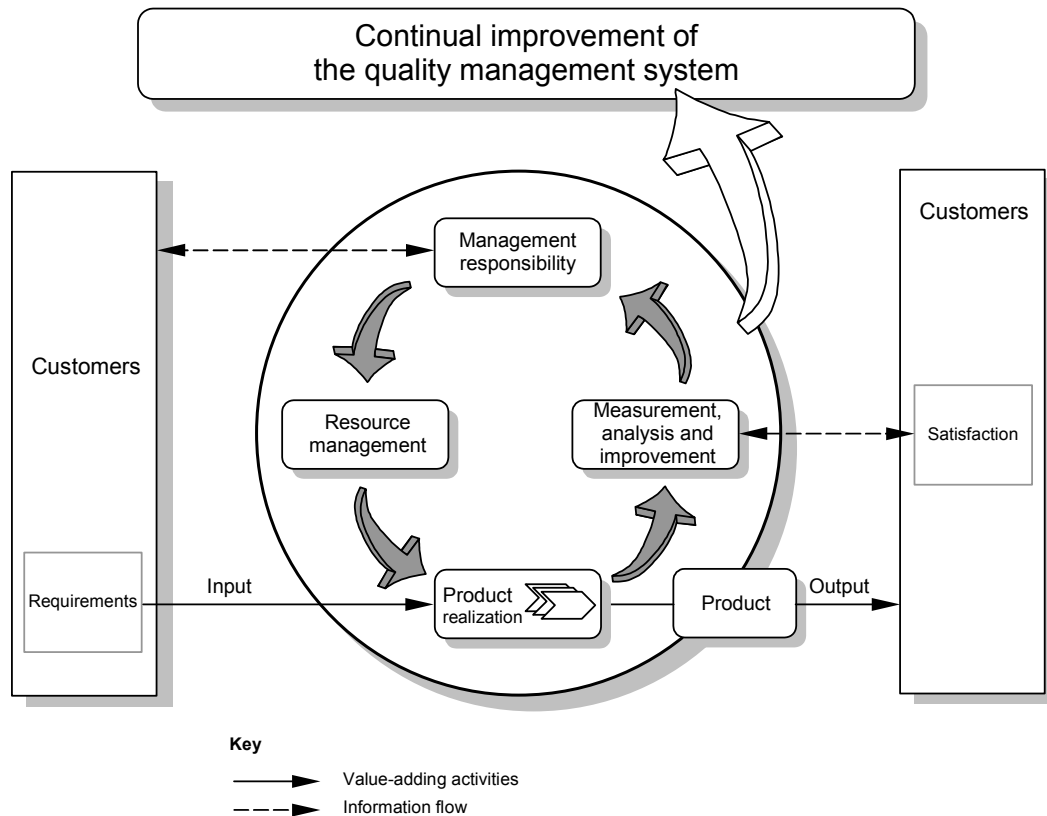


Figure 1 — Model of a Process-Based Quality Management System