

	Requirements on Suppliers	AVN 02001
		Date: 10.2.1997
		Change b: 15.8.2006

Scope:

The standard:

- Specifies requirements on the quality management system of AERO Vodochody a.s. suppliers;
- Is handed over to suppliers with the aim to provide them with possibility to improve implemented system of quality management;
- Does not replace technical, commercial, or other agreements for a specific product

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Index	ANZ	Date	Change description
a	742	15.1.2003	New revised issue
b	867	15.8.2006	Normative references, actualization of; formal modifications, partial changes are not marked off

1 INTRODUCTION

AERO Vodochody a.s. (hereinafter AV) has built the quality management system, which - to the extent applicable in AV - meets requirements of standards and regulation cited in the chapter 2.

Quality of final product delivered to customer depends also on products from suppliers.

AV therefore requires that their suppliers apply principles of quality management.

The principles are:

- Customer orientation;
- Managing and controlling employees;
- Involvement of employees;
- Process approach;
- System approach to management;
- Continuous improvement;
- Decision making based on facts;
- Mutually advantageous supplier relations

2 NORMATIVE REFERENCES

ISO 9001:2000, ed. 2 Quality management systems – requirements 1

SAE AS 9100, rev. B Quality Management Systems - Aerospace – Requirements

ČSN EN 9100 (31 0401) Aerospace series - Quality management systems - Requirements (based on ISO 9001:2000) and Quality systems - Model for quality assurance in design, development, production, installation and servicing (based on ISO 9001:1994)

Part 21 Annex to Commission Regulation (EC) No 1702/2003, laying down implementing rules for the airworthiness and environmental certification of aircraft and for the certification of design and production organizations

Part 145 Annex II to Commission Regulation (EC) No 2042/2003, on the continuing airworthiness of aircraft and aeronautical products, parts and appliances, and on the approval of organizations and personnel involved in these tasks.

MP-OVL-ILT-T001 Methodical guidelines for technical qualification of military aircraft and military aircraft hardware being subject to approval or acknowledgement of qualification

ČOS 051622 NATO quality assurance requirements for design, development and production

3 QUALITY MANAGEMENT SYSTEM

3.1 In general

The supplier must ensure compliance with ISO 9001:2000, ed. 2 requirements, and in particular:

- a) To inform AV about all changes relating to the quality management system (certification, change in quality management function etc.);
- b) To transfer all the AV requirements relating to the product quality to his suppliers
- c) To communicate to the AV the name and contact of his employee who is responsible for the quality management system

¹ Identical to ČSN EN ISO 9001 ed.1 (01 0321): March 2002

- d) To make it possible for the AV representatives, supervising bodies or the AV customers to carry out an audit of a system, a process and a product for the AV, and namely in all his facilities as well as facilities of his suppliers connected with the product implementation. For this purpose, he must provide all necessary information and attendance of professional workers.

3.2 Requirements on documentation

Quality management documentation shall contain:

- Documents necessary for the supplier to ensure efficient planning, functioning, and control of processes used for realization of products delivered to AV;
- Records providing evidence on conformity with requirements and on efficient functioning of the quality management system

The supplier shall retain the documents and make them available for AV The supplier shall retain the records for the period of 7 years from the date of delivery, unless otherwise specified.

3.3 Management responsibility

Top management of the supplier shall create - by managing and controlling employees and by own behavior - such environment, in which the employees are fully involved, and in which the quality management can efficiently function.

3.4 Management of resources

The supplier shall above all determine and provide information needed for following:

- Exerting and maintaining of the quality management system and for continuous improvement of its efficiency;
- Increasing of customer's satisfaction by meeting its requirements

Resources include above all:

- a) Employees who perform work tasks influencing the product quality. They shall be competent based on proper education, training, skills, and experience;
- b) Infrastructure, which includes - according to suitability - buildings, working areas / spaces, and related technical equipment, equipment for processes and supporting services;
- c) Working environment necessary to reach conformity with requirement on the product

The supplier shall announce AV changes in production of product for AV, whose have influence on quality.

3.5 Realization of product

The supplier shall plan and develop processes necessary for realization of the product.

In particular, the supplier must:

- a) Determine and review requirements relating to the product
- b) Communicate with AV with respect to product information, handling orders and complaints
- c) Plan and control design and development provided the process is used for products supplied by AV
- d) Ensure that the purchased products comply with final product requirements. Select, **approve** and **evaluate** his suppliers according to their ability to supply the product **in compliance with the specified** requirements and in case of **occurrence of disagreements to exact from them determination of corrective measures/preventive measures and to evaluate their efficiency** . In specific cases, he must purchase products from suppliers approved by AV.

- e) Verify purchased product.
- f) Plan and realize manufacture and provision of services under controlled conditions. Validate all processes in which the resulting output cannot be verified by subsequent check or testing.
- g) Inform AV about changes in manufacture of the product for AV, which affect the product quality.
- h) Identify and monitor the product during realization and use.
- i) Determine monitoring and measurements that are to be carried out and monitoring and test equipment needful for provision of evidence of compliance of the product with specified requirements.
- j) Monitor measure and test the product in order to verify that the product meets the requirements.
- k) Make verification of the first article manufacturing according to the AV requirements.
 - Issue the first article inspection report (FAIR) in cases where a new drawing part, change in place of manufacture, change in technology or interruption of the product manufacture for a period longer than two years are concerned.
 - Advise AV of FAIR issue.
 - Discontinue “further” manufacture prior approval of the first article by AV.
 - Advise AV of readiness for verification 20 days at the latest prior the verification date when the first article verification is to be carried out in supplier’s premises;
- l) Ensure verification conditions (premises, documentation, measuring/test equipment) for acceptance of products marked SOURCE (SI) in the order. Product marked in such a manner will be subjected to 100 % inspection;
- m) Advise AV of readiness of the products for acceptance at least 20 days prior acceptance date;
- n) Monitor information of AV whether requirements thereof are met;
- o) Carry out internal audits of the quality management system;
- p) Ensure that a product not complying with requirements is identified and controlled in order to prevent unintended use and delivery thereof;
- q) Brief AV about occurrence of all discrepancies of products intended for delivery to AV with exception of discrepancies classified as scrap in order to make decision on their further use, except as otherwise provided for.
- r) Define corrective/preventive measures.

3.6 Quality system specific requirements

For deliveries intended for use in governmental sector, the supplier must ensure, if so required, compliance with requirements according to methodical guidelines MP-OVL-ILT-T001, SAE AS 9100 rev. B / ČSN EN 9100, and ČOS 051622.

For deliveries intended for use in civil aviation, the supplier must ensure, if so required, compliance with requirements according to SAE AS 9100 rev. B / ČSN EN 9100, Part 21, Part 145.

4 CONCLUSION

The explanation and usability of these requirements performs, in case of need, AV quality control system.

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