

A photograph of an aircraft manufacturing plant. Two men are in the foreground, one in a light blue shirt and dark trousers, the other in a dark jacket and trousers, looking at a tablet together. In the background, several white aircraft are on the assembly line, with various support structures and equipment visible.

AEROSPACE QUALITY MANAGEMENT AS9100

Sustainability and safety, short delivery times and competitive prices for top quality are issues of primary concern to the aerospace industry, whether for manufacturing and development companies or production and maintenance suppliers. Optimum quality management along the entire supply chain is therefore essential.

Why quality management according to AS9100?

While the advantages of outsourcing, such as relocating production, are attractive to the aerospace and aviation industries, the practice carries with additional responsibilities. Manufacturers of aircraft and aviation and propulsion systems answer to aeronautical authorities when it comes to the quality and safety of their products.

To fulfill these responsibilities, the International Aerospace Quality Group (IAQG) has launched the internationally recognized **AS9100 series of standards**, defining procedures for the certification of organizations and the accreditation of certification bodies.

The AS9100 series of standards was developed on the basis of **ISO 9001** and is regarded worldwide as a quality standard for manufacturers, maintenance personnel and dealers in the aerospace industry. It is identical in content to the European standard EN 9100 and the Asian standard JISQ 9100.

AS9100 series

- **AS9100: QM system for manufacturers and service providers**
- **AS9110: QM system for maintenance and servicing organizations**
- **AS9120: QM system for dealers and distributors**

International Aerospace Quality Group (IAQG)

The International Aerospace Quality Group (IAQG) is a consortium of aerospace manufacturers at the international level. It promotes the implementation of initiatives based on cooperation among international aerospace companies. The aim of the merger is to significantly improve quality and reduce costs across the industry. The AS9100 standard developed for this purpose is constantly being improved by IAQG. In addition, the IAQG lays down procedures for the certification of organizations and defines the accreditation of certification bodies. All companies certified according to EN/AS 9100ff as well as organizations accredited for certification are listed in the OASIS database. Inclusion on this list is now a prerequisite for approval as a supplier.

Implementation of the International Aerospace Quality Group specifications is supervised by the CBMCs (Certification Body Management Committees). In Germany, responsibility for this lies with the Federal Association of the German Aerospace Industry (Bundesverband der Deutschen Luft- und Raumfahrtindustrie e.V., BDLI).

Market demands

In order to meet the needs of customers, manufacturers and aeronautical authorities, organizations in the aerospace industry must deliver safe and functional products. A quality management system in accordance with AS9100 contributes to meeting these requirements effectively and efficiently. Certification in accordance with AS9100 gives you the opportunity to demonstrate to clients and stakeholders that you meet the relevant market requirements. The certificate is issued by verifiable, independent and accredited certification companies and is monitored by IAQG. The aim is to standardize the quality management systems along the entire supply chain in the aviation industry and thus achieve a higher quality standard.

Advantages of certification according to AS9100

- You get worldwide access to the IAQG's OASIS database.
- You are listed in the OASIS database, which is increasingly seen as a prerequisite for approval as a supplier
- Regular monitoring to prove the validity of the certification according to the AS9100 series.
- Sustainable process improvement through consistent quality management according to AS9100.
- Cost and risk reduction.
- Global market access and increased competitiveness.



Would you like to learn more about quality management according to AS9100 in the aerospace industry? Contact us today!

Complementary services

You can also benefit from DEKRA Certification for other areas and systems, such as [ISO 9001](#), [ISO 14001](#) or [ISO 45001](#). We are internationally accredited for more than 40 standards - and are happy to help you combine the desired certifications with little effort.

As a partner to the aerospace industry, the DEKRA Group offers numerous other services:

- **Sustainability management, e.g. setting up management systems**
- **Energy efficiency, e.g. consumption classification**
- **Training and education, e.g. training as an aviation security assistant**
- **Personal certifications, e.g. as a data protection specialist**



The DEKRA seal of excellence

Signaling maximum quality and reliability across different industries and around the globe, the DEKRA seal is a hallmark of quality and a valuable marketing instrument that sets you apart from the competition. Use it to show your customers and business partners the value of what you offer. We are here to help you.

DEKRA Audit

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