Information Guide

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AS 9100:2016
Quality Management Systems for Aerospace Industry

What is VDA 6.X

AS 9100 is an internationally recognized Quality Management System standard, which can be applied / implemented to organizations that design, develop or provide product and services to Aviation, Space and Defense industry, created by International Aerospace Quality Group. The standard provides suppliers with requirements for creating and maintaining a comprehensive quality system for providing safe and reliable products to the ASD industry, as well as civil and military aviation requirements.

AS9100 is utilized to standardize the processes in the aerospace industries by organizations to exhibit their capacity to consistently provide products and services that meet client and regulatory prerequisites and to show continuous improvement. It is not a product standard that define product quality, it controls your process the end product meet customer requirement The 2016 (D) version of AS9100 is a 10 clause structure and has adopted P-D-C-A cycle, risk-based thinking as per ISO 9001, requirement to determine context of the organization and needs and expectation of interested parties. Besides this, the new version of the standard includes requirements for product safety in new clause, Counterfeit parts prevention added in new clause and Awareness clause added for product and service quality and safety.

What are the Focus Points of AS 9100:2016 implementations?

1) Streamlining and Standardizing the manufacturing and other business processes processes

2) Product safety and warranty management

3) Integration of Customer Specific Requirements

4) Risk management and Contingency planning

5) Configuration management and Product traceability

6) Formulating Quality Policy and Objectives

7) Setting up system for documentation and records.

8) Management information system

9) Business performance and sustainability

What are the documents required for AS9100 certification?

1. The Quality management system scope
2. The description of pertinent stakeholders and interested parties, QMS scope including boundaries and applicability, description of QMS processes and applications, sequence and interaction of QMS processes, assignment of responsibilities and authorities for QMS processes
3. Quality policy
4. Quality objectives and plans to achieve them 5.
6. Practice for control of externally provided processes, products and services Technique for
7. Control of non-conforming products and services Process methodology for nonconformity and corrective action management

Which organizations are eligible for AS 9100 certification?

- The certification is availed primarily by the aviation, space and defense industry. This standard can also be used in other industry sectors when a quality management system with additional requirements over an ISO 9001:2015 system is needed.

- NOTE : The eligible organizations shall be able to furnish data related to aviation, space and defense industry supply capabilities while certification audit.

How will AS 9100:2016 Certification benefits your Organization?

- Entry passport for supply to aviation, space and defense industry.
- Certificate is recognized by other industry sectors
- Deletion of non-value-added activities and Waste elimination
- Cost effectiveness at various stages of the operations of the organizations
- Improved product safety and warranty management
- Manufacturing process controls enhancing Quality and Productivity
- Business process streamlining and efficiency improvement
- Responsibility and Accountability across the organization
- A step towards customer delight
- Better business performance and Enhanced sustainability

How did AS 9100 evolve throughout the year?

- Year 1999 – AS 9100 was released by the Society of Automotive Engineers and the European Association of Aerospace Industries.
- Year 2001 – 1st Revision - AS 9100A released incorporating ISO 9001:2000 requirements
- Year 2004 – 2nd Revision - AS 9100B released with minor changes
- Year 2009 – 3rd Revision - AS 9100C released with incorporating the major changes including risk management and effectiveness of the system
- Year 2016 – 4th Revision - AS 9100A released incorporating ISO 9001:2015 requirements

AS 9100:2016 Reference Standards

- ISO 9000:2015 - Quality management - customer satisfaction - Guidelines for complaint handling in organizations
- AS 9101: Audit checklist and assessment document
- AS 9102: Guidance document for performing aerospace first article inspections
- AS 9103: Guidance for variation management of key characteristics and many others that are used to help with implementation of the QMS requirements.

What's the distinction between AS9100 and ISO 9001?

AS9100 incorporates all of the ISO 9001 quality management system requirements and specifies additional requirements for an aerospace quality management system. The additional aerospace requirements are displayed in bold, italic text, with the majority simply emphasizing ISO 9001 requirements.

What exactly is AS9100 QMS?

AS9100 is a quality management system for the aerospace industry that is widely used and standardized. AS9100 replaces the earlier AS9000 and fully incorporates the entirety of the current version of ISO 9001, while also adding quality and safety requirements.

What is the most recent version of the AS9100 standard?

EN9100:2018, commonly known as AS 9100D or AS 9100, is the most recent AS9100 standard for companies that design, develop, or provide parts, components, and assemblies for the aviation, space, and defense industries.

What are the AS9100 QMS standard's additional requirements?

AS9100 incorporates ASQ/ISO 9001:2000 and adds to the quality system criteria for the aerospace sector. Section 1 of AS9100A defined an updated QMS model aligned with the ISO 9001:2000 publication; Section 2 defined an updated QMS model aligned with the ISO 9001:2000 publication.

What is the significance of AS9100?

Many aerospace manufacturers and suppliers will only collaborate with certified partners because AS9100 accreditation helps verify that a firm has suitable quality control systems in place. As a result, any aerospace-related company should consider AS9100 certification.

What is the frequency of AS9100 audits?

Every three years, the auditor will interview your employees and analyze your recorded information (procedures, documents, etc.) to ensure that you are meeting all AS9100 criteria. Every three years, certification audits are usually performed

What are the AS9100 requirements?

- Who is eligible for AS9100 certification? Companies that design, develop, and/or manufacture aviation, space, and defense products; and companies that provide post-delivery support for their own products, such as maintenance, spare parts, or materials.

How will PQSmitra help you with Hassle Free Implementation process for AS 9100:2016 Certification?

AS 9100 being a specific standard for aviation, space and defense industry, the system implementation requirements are stringent and effective. PQSmitra has been a reputed consultancy provider for more than 20 years. The systematic approach throughout the project execution by PQSmitra has supported many clients to implement effective system and avail Premium International Certification

- The AS 9100:2016 implementation process is described below:
- Review of the existing Quality Management System. This review is carried out through discussions and verifications of records during visits to the client organization.
- System designing and documentation (Records and Procedures). 100% documentation support is offered by PQSmitra.
- Training on sector specific requirements and its implementation. This is done with hand holding and team approach.
- Routine assistance and system verification to ensure compliance to the requirements.
- Internal audit and Management review
- Certification audit – Stage 1 and Stage 2
- Submission of action plan on audit observations
- Review of report by the certification authority and awarding the certificate to the organization

PQSmitraService Features appreciated by clients

Simple & Practical Approach

21 Years of Service (20+)

2500+ Successful Projects

5,56,000+ Consulting Hours

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