

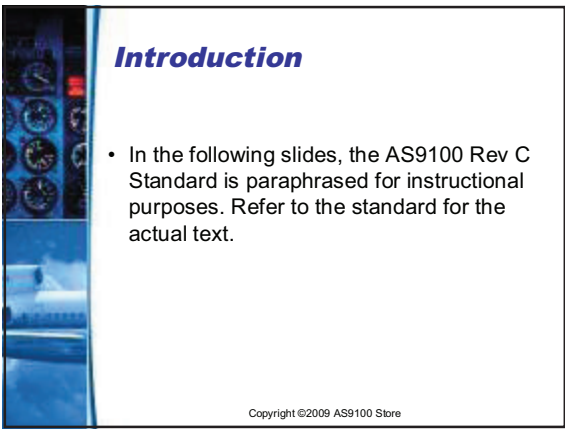
AS9100 Rev C

Presentation Materials



Student Guide









What is AS 9100?

- Representatives from the Aerospace Industry formed IAQG and designed AS 9100 as a common Quality System for Aerospace (SAE Managed)
 - Expanded to Aviation, Space & Defense (AS&D) 2009
- It is based on the ISO 9001 QMS
 - Includes 100% of ISO 9001:2008 requirements
 - 80+ additional AS&D specific clauses added
 - The latest revision is Rev C, January, 2009.
- There are also two other standards:
 - AS9110 – for Maintenance and Repair Organizations
 - AS9120 – for Stocklist Distribution Organizations

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Registration

- A company must first implement the requirements of AS 9100 to become registered
 - Evaluate your current quality system
 - Add systems and processes to meet the requirements
 - Document your processes as a Quality Manual, Procedures and Work Instructions
 - Audit your QMS for continuous improvement
 - Pass a registration audit by a Certifying Body

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Benefits of Registration

- Improved operations
- Improved operating margin
- External recognition
- Market expansion

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The Process Model

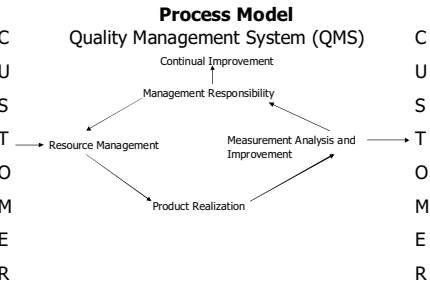
The AS9100 Standard is a design for a Quality Management System based on The Process Model

- An organization is a system of interlinked processes
- The standard is geared at managing and improving those processes
- Key processes – those that lead to products and services- must be identified
- Methods to measure and control these processes must now be included

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The Process Model



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Three Key Clauses for the Process Approach

3 Key "Process Model" Clauses

- 4.1 QMS: General Requirements
- 7.1 Product Realization: Planning of Realization Processes
- 8.1 Measurement, Analysis and Improvement: Planning

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AS 9100 Requirements



What does AS 9100 Require?

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3.0 Terms and Definitions

- Risk
- Special Requirements*
- Critical Items*
- Key Characteristics

* New items determined by Rev C

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4.1 General Requirements

The organization will establish, document, implement, maintain and continually improve a Quality Management System (QMS)

- This is where we find the requirement to identify processes that need to be controlled, and determine how they interrelate
- The organization must also determine how to control any outsourced processes
- The QMS must meet applicable requirements

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