

- This reference is a quick clause-by-clause summary of the **AS9100B** requirements.
- *AS9100B:2004 clauses added to ISO 9001:2000 are shown in Italics.*
- * = ISO 9001 clauses with additional AS9100 requirements or notes.
- **S** = identifies clauses with AS9006 clarifications or requirements for deliverable software
- **Note:** See the actual standard for a complete description of the requirements.

AS9100 Revision B Clauses	AS	Summary of Requirements
4. Quality Management System		
4.1 General Requirements		Implement quality system and continually improve it
4.2 Documentation Requirements	*	
4.2.1 General	*	Include the required documents and records
4.2.2 Quality Manual	*S	Establish and maintain a quality manual
4.2.3 Control of Documents	S	Ensure documents are at right revision in right places
4.2.4 Control of Records	*S	Identify records and keep as evidence of conformity
<i>4.3 Configuration Management</i>	*S	<i>Use product configuration management process</i>
5. Management Responsibility		
5.1 Management Commitment		Show evidence of top management commitment
5.2 Customer Focus		Meet the requirements and satisfy your customers
5.3 Quality Policy		Have top management express quality intentions
5.4 Planning		
5.4.1 Quality Objectives	S	Set measurable targets for products and processes
5.4.2 Quality Management System Planning	S	Carry out plans for quality system and its processes
5.5 Responsibility, Authority, and Communication		
5.5.1 Responsibility and Authority		Make sure everyone knows their duties and roles
5.5.2 Management Representative	*	Appoint a manager as focal point for quality system
5.5.3 Internal Communication	S	Keep everyone informed of system effectiveness
5.6 Management Review		
5.6.1 General	S	Review the quality system at planned intervals
5.6.2 Review Input		Ensure the required agenda topics are covered
5.6.3 Review Output		Record the decisions and actions from reviews
6. Resource Management		
6.1 Provision of Resources		Provide necessary resources to meet requirements
6.2 Human Resources	S	
6.2.1 General		Ensure everyone working in system is competent
6.2.2 Competence, Awareness, and Training		Train personnel and recognize their contributions
6.3 Infrastructure	S	Provide facilities, equipment, and support services
6.4 Work Environment	*S	Manage combination of human and physical factors

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7. Product Realization		
7.1 Planning of Product Realization	*S	Plan and develop processes for product realization
7.2 Customer-Related Processes		
7.2.1 Determination of Product Requirements		Define customer, regulatory, and own requirements
7.2.2 Review of Product Requirements	*	Review requirements before committing to customer
7.2.3 Customer Communication	S	Talk to customers about products and complaints
7.3 Design and Development		
7.3.1 Design and Development Planning	*S	Plan design stages, activities, and responsibilities
7.3.2 Design and Development Inputs	S	Identify and review input requirements for design
7.3.3 Design and Development Outputs	*S	Prepare design outputs and approve before release
7.3.4 Design and Development Review	*	Review ability of design results to meet requirements
7.3.5 Design and Development Verification	*S	Verify the design outputs meet input requirements
7.3.6 Design and Development Validation	*S	Validate the product is okay for application or use
7.3.6.1 <i>Documentation of Verification and Validation</i>	*	<i>Ensure results show product meets all requirements</i>
7.3.6.2 <i>Verification and Validation Testing</i>	*	<i>Ensure test plans and procedures are documented</i>
7.3.7 Control of Design and Development Changes	*S	Review, verify, and validate any design changes
7.4 Purchasing		
7.4.1 Purchasing Process	*S	Evaluate, select, monitor, and control your suppliers
7.4.2 Purchasing Information	*S	Create purchase orders describing supplier products
7.4.3 Verification of Purchased Products	*S	Check purchases to ensure they meet requirements
7.5 Production and Service Provision		
7.5.1 Control of Production and Service Provision	*S	Plan and control production and service activities
7.5.1.1 <i>Production Documentation</i>	*S	<i>Carry out production operations per approved data</i>
7.5.1.2 <i>Control of Production Process Changes</i>	*S	<i>Document changes and assess for adverse results</i>
7.5.1.3 <i>Control of Production Equipment and Tools</i>	*S	<i>Validate equipment, tools, and programs before use</i>
7.5.1.4 <i>Control of Work Transferred Temporarily</i>	*S	<i>Define process to validate quality of transferred work</i>
7.5.1.5 <i>Control of Service Operations</i>	*	<i>Approve repair schemes and analyze in-service data</i>
7.5.2 Validation of Production & Service Processes	*S	Validate the process if you can't check the product
7.5.3 Identification and Traceability	*S	Identify the product and its inspection and test status
7.5.4 Customer Property	*	Exercise care with any customer property
7.5.5 Preservation of Product	*S	Handle, store, package, and protect the product
7.6 Control of Monitoring and Measuring Devices	*S	Calibrate measuring equipment for valid results
8. Measurement, Analysis, and Improvement		
8.1 General	*S	Plan, measure, analyze, and improve processes
8.2 Monitoring and Measurement		
8.2.1 Customer Satisfaction		Ask customers what they think about your products
8.2.2 Internal Audit	*	Evaluate conformity and effectiveness of system
8.2.3 Monitoring and Measurement of Processes	*S	See if processes are achieving planned results
8.2.4 Monitoring and Measurement of Product	*S	Verify products meet acceptance criteria
8.2.4.1 <i>Inspection Documentation</i>	*S	<i>Document measurement requirements for product</i>
8.2.4.2 <i>First Article Inspection</i>	*S	<i>Inspect representative item from first production run</i>
8.3 Control of Nonconforming Product	*S	Prevent use or delivery of nonconforming product
8.4 Analysis of Data		Analyze effectiveness and identify improvements
8.5 Improvement		
8.5.1 Continual Improvement		Continually improve effectiveness of quality system
8.5.2 Corrective Action	*S	Fix detected problems and prevent recurrence
8.5.3 Preventive Action		Avoid potential problems by preventing occurrence