



AS 9100 AEROSPACE QUALITY MANAGEMENT SYSTEM

Model for Quality Assurance in Design, Development, Production, Installation and Servicing

Introduction

In December 1998, the Aerospace Industry had established the International Aerospace Quality Group (IAQG) with the purpose of achieving significant improvement in quality and reductions in cost throughout the value stream.

This organisation, with representation from Aerospace Companies in Americas, Asia and Europe and sponsored by SAE, SJAC, and AECMA has agreed to take responsibility for the technical contents of the AS 9100 standard.

AS 9100 standard consists of all basic ISO 9001:2000 requirements; and in addition requirements specific to Aerospace industry and clarification and emphasis pertinent to the Aerospace Industry.

AS 9100 CONSULTANCY SERVICE

With the development of the international standard AS 9100 for the aerospace industry, customers are increasingly looking for suppliers who have successfully implemented AS 9100 and certified with a recognised certification bodies. The implementation of AS 9100 is therefore no longer an option but a requirement if aerospace organisation is to remain competitive.

Crucial to the successful implementation of AS 9100 is a systematic and proven approach which will help any organisation to do it right the first time. Now SIC is pleased to offer such a consultancy methodology that will guide the organisation certification by an external certification body.



CONSULTANCY METHODOLOGY

There are 7 steps (modules) in the implementation of the AS 9100 standard

1. Preliminary visit
2. Diagnostic Assessment
3. AS 9100 Training
4. System Design & Development
5. System Implementation
6. Pre-certification of AS 9100
7. Post-certification follow up Audit (if necessary)

Each module may be implemented separately but clients are advised to implement them as a total consultancy package, which is more cost effective.

PRELIMINARY VISIT

Objectives

- To understand the potential client's quality needs, especially those that are related to AS 9100 implementation and certification.
- To familiarise with the management, business operations and technical processes of the client.
- To obtain first hand knowledge of the client's quality system to help us in the preparation of a proposal for a diagnostic quality assessment according to the appropriate AS 9100 standard.

DIAGNOSTIC ASSESSMENT

Objectives

- To help the organisation identify the strengths and weakness of its current quality system in order to determine areas where improvements are needed to meet the requirements of the relevant AS 9100 standards.
- To familiarise organisation's personnel with the process of a quality system assessment.
- To document quality systems assessment findings for future comparison improvements made to the quality system after AS 9100 is successfully implemented.



AS 9100 TRAINING

Objectives

- To provide to all levels of the organisation to ensure proper understanding of AS 9100 its implementation and maintenance.
- To help increase quality awareness and promote the concept of quality assurance on organisation wide basis to both internal and external customers.

Training programs are highly customised to take into consideration the organisation's specific business activities and operations. They provide the interactive environment for understanding AS 9100 and how the standards could be applied to the department or individual concerned.

All courses will be conducted by professional Quality Consultant with a wealth of industrial experience in quality management. In addition to this, the trainers are also either Lead Assessor or Assessor registered with the International Registration Board for Assessors of Quality System.

SYSTEM DESIGN & DEVELOPMENT

Objectives

- To design and develop the quality system which meet the documentation requirements of the relevant AS 9100 standard.
- To ensure that the quality system adequately address the AS 9100 requirements and document the operational activities relevant to the achievement of the AS 9100 standard.

SYSTEM IMPLEMENTATION

Objective

- To ensure that the quality system is properly understood and implemented by all personnel involved.
- To ensure that relevant records required by the AS 9100 are properly filed and are readily available when required.

PRE-CERTIFICATION AUDIT / CERTIFICATION OF AS 9100

Objectives

- To ensure that the quality system developed complies with the requirements of the relevant AS 9100 standard before the actual certification audit.



- To provide practical training to in house internal quality auditors in auditing the quality system.
- To provide documentary evidence that an internal quality audit has been carried out prior to the certification audit.

**AS 9100
AWARENESS TRAINING FOR MANAGEMENT
(1 Day)**

This course is designed for management who want to find out more about the aerospace standard and what it takes to get the organisation certified to the aerospace standard.

This course is also designed for management as part of the Consultancy Package to educate the management staff on the aerospace standard and the consultancy approach and project phases that will lead the organisation to certification.

Objectives

- To raise levels of awareness and understanding of the AS 9100 system requirements.
- To provide an understanding of the key factors associated with successful implementation of the AS 9100 system.
- To provide an understanding of the methodology for implementing the AS 9100 system.

Course outline

- What is AS 9100 standard
- Benefit of AS 9100 standard
- AS 9100 requirements
- Guidelines for implementation AS 9100 system
- AS 9100 implementation methodology
- Role of Management

Who should attend

This course is designed for management who want to have an understanding of the AS 9100 system and how to implement the system for certification purpose.



Course Fee

S\$490.00 per participant
In-house training package is available.
Please contact us at Tel: 6348 5211
or fax: 6348 5521 or email: tessa@strategicinnovation.com.sg

Course Award

Certificate of successful completion: given to participants who attend the full duration of the course.

AS 9100 DESIGN, DEVELOPMENT & IMPLEMENTATION WORKSHOP (2 Day)

Objectives

To give guidance and practical advice in interpreting, establishing and implementing a Quality Management System according to AS 9100 Standard.

Course Outline

- Concept of Quality Principles, definitions, process approach
- Quality Management System Standards AS 9100
- Interpretation and Application of AS 9100 Quality Management Standards
- Development of Business Process approach to Quality Management System
- Preparation and documentation of Quality Management Manuals, Procedures and Work Instructions
- Overview of Audits and Assessment Techniques
- Implementing a Quality Management System
- Achieving Third Party Certification and Maintaining a Quality Management System

Who should attend

This course is designed for quality professionals or management staff who are likely or are currently involved in implementing and maintaining a quality management system to meet the AS 9100 Standard or its equivalent.



Course Fee

S\$880 per participants
In-house training package is available.
Please contact us at Tel: 6348 5211
or fax: 6348 5521 or email: tessa@strategicinnovation.com.sg

Further Training

Participants who have successfully completed the Design, Development and Implementation of AS 9100 Quality Management System course could enrol in the Internal Auditor or Lead Auditor Training Course.

Course Award

Certificate of Successful Completion: given to participants who attended at least 90% of the class.

AS 9100 INTERNAL AUDITOR TRAINING (2 Day)

This course is designed to satisfy the training requirement for individual performing internal audit to the AS 9100 standard.

Objective

The objective of this training course is to train participants to understand, develop and implement an in-house quality audit programme, which fulfils the requirements for Internal Audit.

Course Outline

- Introduction of Quality Principles, definitions, process approach and AS 9100 Quality Management System
- Interpretation & Application of AS 9100 requirements
- Types of audits
- Objectives of Internal Auditor Training Programme
- Responsibility and Authority of the Audit Team



- Planning, Preparing and Performing an Audit
- Auditing Skills and Documenting Non-conformities
- Corrective Actions and Follow-up
- Audit Reporting
- Case Studies and Exercise

Who should attend

This is designed for personnel who are responsible for conducting Internal Audit of their organisation's quality management system. Managers who are appointed as Management Representative or Internal Audit Program Manager and other personnel who are responsible for establishing the Internal Quality Audit function will also benefit from this course.

Course Fee

S\$880 per participants
In-house training package is available.
Please contact us at Tel: 6348 5211
or fax: 6348 5521 or email: tessa@strategicinnovation.com.sg

Pre-requisite

Participants should be familiar with the AS 9100 Standard as preparation for the course.

Further Training

Participants who have successfully completed the Internal Auditor Training Course could enrol in the Auditor / Lead Auditor Training Course.

Course Award

Certificate of Successful Completion: given to participants who attended the full duration of the course.