

Introducing AS13100: AESQ Quality Management Requirements



**THE NEW STANDARD CREATING A COMMON
LANGUAGE FOR QUALITY THROUGHOUT THE
AEROSPACE ENGINE SUPPLY CHAIN**

SAE AS13100 AESQ QUALITY MANAGEMENT SYSTEM REQUIREMENTS FOR AERO ENGINE DESIGN AND PRODUCTION ORGANIZATIONS

This standard sets out to create a common set of supplemental requirements with common training and reference manuals to improve understanding, efficiency, and performance. While significantly simplifying the businesses of suppliers with multiple customers, the primary intent of this new standard is to improve overall product quality by focusing on the key systems and processes currently deterring consistent aerospace engine product quality.

These common supplemental requirements aim to raise the bar for anticipated performance in these key areas, and therefore detailed guidance is provided to ensure clarity of expectations.

To assure customer satisfaction, the aviation, space, and defense industry organizations have to produce and continually improve safe, reliable products that equal or exceed customer and regulatory authority requirements. The globalization of the industry and the resulting diversity of regional/national requirements and expectations have complicated this objective. End-product organizations face the challenge of assuring the quality of and integration of product purchased from suppliers throughout the world and at all levels within the supply chain. Industry suppliers face the challenge of delivering product to multiple customers having varying quality expectations and requirements.



Learn about how SAE AS13100 AESQ Quality Management System Requirements for Aero Engine Design and Production Organizations minimizes requirements and improves overall product quality by focusing on the key quality systems and processes! Through an executive overview and a self-paced course, your organization can gain key knowledge about a common quality language, how to gain compliance to AS13100 and the business value and benefit of the standard. Walk-through each section of the standard and understand the new requirements.

**For more information, please visit:
discover.sae.org/AS13100**



TESTIMONIAL

“Although created by the Aero Engine Supplier Quality Group in conjunction with the SAE G-22 Aero Engine Supplier Quality Standards Committee, this standard and supporting materials will benefit any organisation, in any industry.”

Dr. Ian Riggs

Global Quality Executive
Rolls-Royce & AESQ Chair

Learn more:
[www.sae.org/standards/
content/AS13100/](http://www.sae.org/standards/content/AS13100/)

Course Title: AS13100 Supplemental Quality Management System Requirements

Course ID: PD532104

Delivery Method: OnDemand

Course Length: 10 hours

CEU: 7.0

Learn More at: www.sae.org/learn/content/pd532104/

COURSE DESCRIPTION:

AESQ Supplemental Quality Management System Requirements simplify and harmonize the aerospace engine manufacturer requirements to its shared supply chain, including those requirements flowed to the engine manufacturers systems by regulators, customers, industry, and business specific requirements. Suppliers with multiple customers will learn how SAE AS13100 AESQ Quality Management System Requirements for Aero Engine Design and Production Organizations minimizes requirements and improves overall product quality by focusing on the key quality systems and processes. Through the creation of a common language for quality across the industry, participants will understand how it will impact their compliance to customer requirements and benefit their business performance.

This course will provide knowledge and insight for each of the AESQ supplemental requirements within AS13100. It provides a walk-through of each section of the standard, providing knowledge that helps the learner assess, design, and maintain the business processes that meet the intent of the Standard and add value to the business. Requirements pertaining to specific job responsibilities will be outlined as well as key concepts, background and intent, best practices and recommendations, demonstration of compliance, and reviews of guidance material. For participants who desire in-depth knowledge of a specific topical area, additional training will be available as required in the Standard.

COURSE OBJECTIVES:

- **Describe the context and purpose of AS13100**
- **Identify the compliance & customer requirements given in AS13100**
- **Assess business processes, identifying areas of opportunity and revisions that meet the intent of the standard and provide value to your business.**
- **Recognize the benefits to business performance achieved when effectively deploying Quality tools and processes.**

The **SAE G-22 Aerospace Engine Supplier Quality (AESQ) Technical Committee** was established under the SAE Aerospace Council to develop, specify, maintain, and promote quality standards relating to the aerospace engine supply chain. The principles defined within this standard may be applicable to other segments of the aviation, space, and defense industries. The AESQ strategy is to promote defect prevention approaches across the supply chain including those associated with Advanced Product Quality Planning and Process Control to enable the supply chain to achieve Zero Defects.

SAE AS13100 AESQ Quality Management System Requirements for Aero Engine Design and Production Organizations

is supported by a series of Reference Manuals that provide additional detail on certain subjects to describe the intent of the standard and to provide guidance on deployment. The Reference Manuals are designed to enable the supply chain to deploy the AS13100 requirements efficiently and effectively. The AESQ RMs provide case studies, guidance material, forms and checklists specific to each section of the standard to aid the user with implementation.



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If your organization or company has a need to train groups of five or more, contact a Corporate Learning Solutions representative at corplearn@sae.org or call 724-772-8529.