



AEROSPACE STANDARD	AS9104™/1	REV. A
	Issued 2012-01 Revised 2022-01	
Superseding AS9104/1		
Technically equivalent writings published in all IAQG sectors.		
Requirements for Certification of Aviation, Space, and Defense Quality Management Systems		

RATIONALE

In early 2000, the International Aerospace Quality Group (IAQG) developed the Industry Controlled Other Party (ICOP) scheme to support the certification of Aviation, Space, and Defense (ASD) organization's Aerospace Quality Management System (AQMS). The scheme was built upon the existing International Accreditation Forum (IAF) and International Organization for Standardization (ISO)/International Electrotechnical Commission (IEC) requirements for certification of an organization's Quality Management System (QMS).

The ICOP scheme and ISO/IEC requirements have changed over time, this revision incorporates those changes and strengthens the alignment between industry and current IAF requirements. Furthermore, this standard was revised to align with the latest revisions to the other ICOP scheme requirements documents.

FOREWORD

To assure customer satisfaction, ASD organizations must provide, and continually improve, safe and reliable products and services that meet or exceed customer and applicable statutory and regulatory requirements. The globalization of the industry and the resulting diversity of regional and national requirements and expectations have complicated this objective. Organizations have the challenge of purchasing products and services from external providers throughout the world and at all levels of the supply chain. External providers have the challenge of delivering products and services to multiple customers having varying quality requirements and expectations.

Industry established the IAQG, with representatives from ASD companies in the Americas, Asia/Pacific, and Europe, to implement initiatives that make significant improvements in quality and reductions in cost throughout the value stream. This standard has been prepared by the IAQG.

The IAQG develops documents that standardize QMS requirements to the greatest extent possible and can be used at all levels of the supply chain by organizations around the world. Their use should result in improved quality, cost, and delivery performance through the reduction or elimination of organization-unique requirements, effective implementation of the QMS, and wider application of good practices. While primarily developed for the ASD industry, these 9100-series standards (i.e., 9100, 9110, and 9120) can also be used in other industry sectors when a QMS with supplemental requirements, beyond an ISO 9001 system, is needed.

Subsequently, the IAQG developed a global scheme for the acceptance and recognition of certification of an organization's AQMS performed by Certification Bodies (CBs), using the 9100-series standards, and taking into account the existing schemes for QMS certification. The scheme relies on:

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- The use of CBs with specific ASD elements and requirements, under the guidance and oversight of the ASD industry; and
- The use of a harmonized approach with the CBs for improving the quality and process control throughout the entire supply chain.

This standard defines the scheme requirements for managing AQMS certification (commonly referred to as the 'ICOP scheme'). Other standards in this series (i.e., 9104/2, 9104/3) provide specific requirements for defining the industry oversight process, and the AQMS requirements for ASD auditor training, development, competence, and authentication, respectively. The three ICOP scheme requirements documents are:

- 9104/1 – Requirements for Certification of Aviation, Space, and Defense Quality Management Systems;
- 9104/2 – Requirements for the Oversight of Aviation, Space, and Defense Quality Management System Certification Programs; and
- 9104/3 – Requirements for Aviation, Space, and Defense Auditor Training, Development, Competence, and Authentication.

In this standard, the following terms are used:

- "Shall" indicates a requirement;
- "Should" indicates a recommendation;
- "May" indicates a permission;
- "Can" indicates a possibility or capability;
- "Annual" or "annually" indicates a 12-month period beginning January 1st and ending December 31st; and
- "Days" are calendar days, unless otherwise specified.

Words "example" or "e.g." indicate suggestions given for guidance and information marked "NOTE" is for guidance in understanding or clarifying the associated requirement.

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