



## Revision of the EN/AS 9100:2016 series\* – Changes and Impacts

\*equivalent to 9100 JISQ

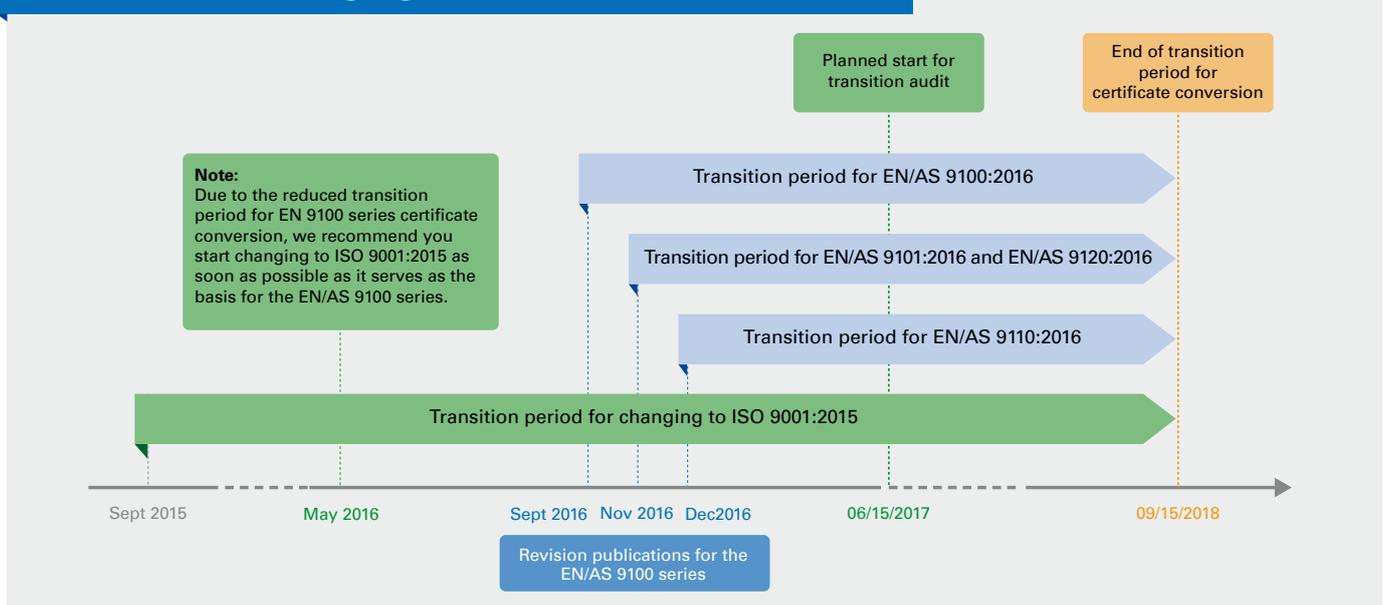
The International Aerospace Quality Group (IAQG) is currently revising the basic series of standards for the aerospace industry (EN/AS 9100, EN/AS 9110 and EN/AS 9120) for the certification of quality management systems. For suppliers and service providers of the aerospace industry, the revision of the EN/AS 9100:2016 series of standards raises some questions. What are the changes? What must be considered?

### Recommendations for changing to EN/AS 9100:2016

The publication of the EN/AS 9100 revision is expected for late 2016. However, you will have to have already switched to the new standard by 09/15/2018. The previously customary transition period of 3 years has thus been significantly shortened. Therefore, the IAQG recommends that you start switching to ISO 9001:2015 today.

The IAQG has also stipulated that, starting in 06/15/2017, all audits must be carried out based on the EN 9100:2016 series. This will be done for the first time as part of a so-called transition audit. The regulations for transition audits are set out for all stakeholders in the document and published on the IAQG homepage.

### Timetable for changing to the EN 9100:2016 series



The reason behind this is that the EN/AS 9100 ff. are based on the ISO 9001 standard for quality management systems and have been specifically adapted to the requirements of the aerospace industry that go beyond it. You can read about the significant changes in ISO 9001:2015 with respect to ISO 9001:2008 in our free whitepaper!

[Download here now!](#)



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### Reasons for the revision of ISO 9001

1. Adapting to a changing world
2. Improving a company's ability to satisfy its customers
3. Providing a consistent basis for the future
4. Taking into account the increasingly complex environments in which organizations operate
5. Ensuring that the new standard reflects the needs of all stakeholders
6. Improving the integration of other management system standards through the use of "high-level structure"

### Key aspects of the new ISO 9001:2015

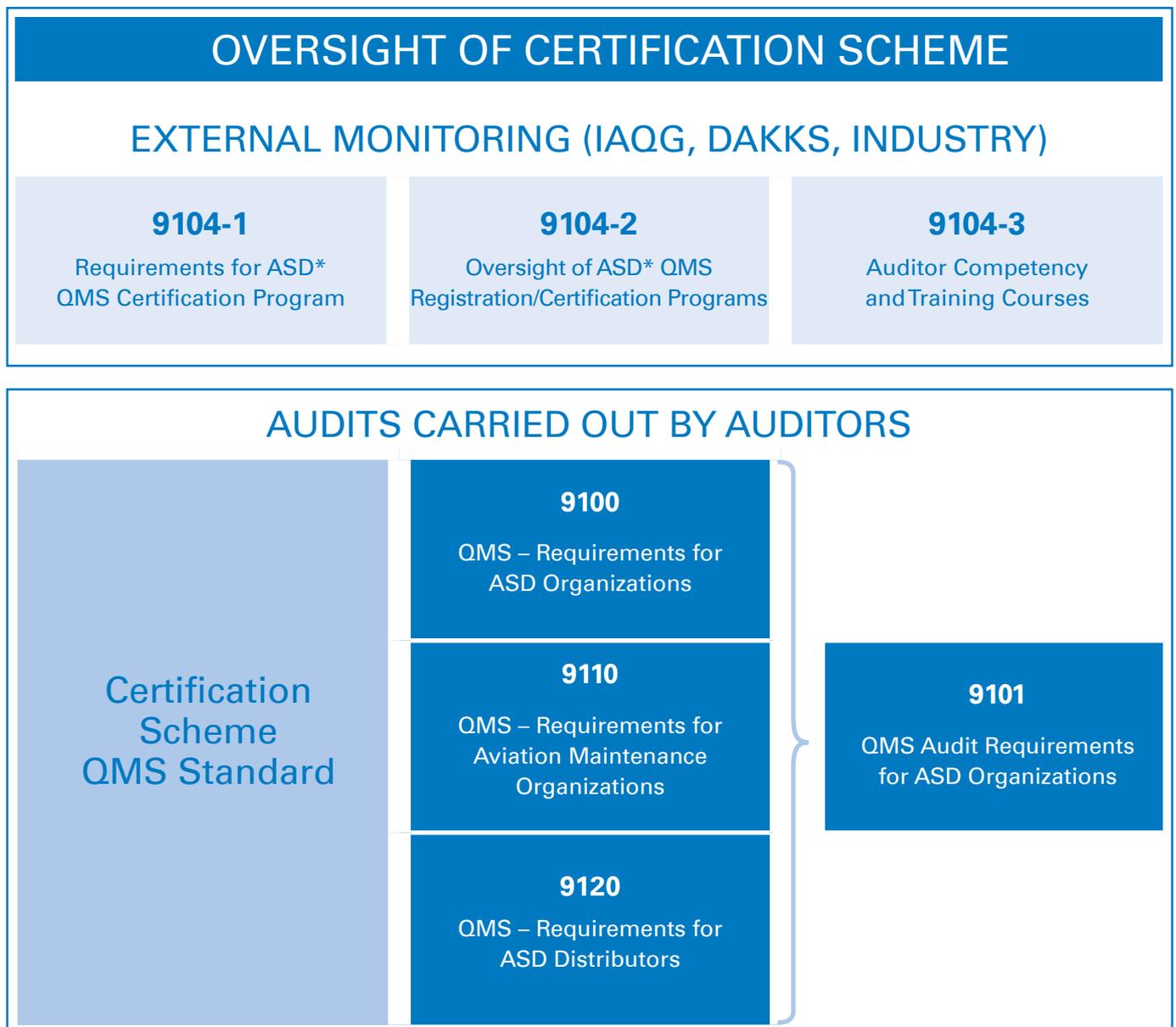
- Uniform superordinate standards structure ("high-level structure")
- Adaptation of terminology
- Risk-based thinking throughout all company processes
- Process-oriented approach has been strengthened and the integration of QMS into the business processes of the organization
- is more expressly required
- Prevention concept is addressed through risk identification and risk reduction (including risk and opportunity assessment)
- New focus on change management
- Introduction of knowledge management
- Clearer understanding of the organizational context
- QM policy and QM objectives are geared to corporate strategy
- Performance evaluation is more expressly required
- More flexibility in dealing with documentation
- More compatible for service companies

## Reasons for revising the EN/AS 9100 series

Revising the EN/AS 9100:2016 series is necessary in order to integrate the structure and the changed requirements of ISO 9001:2015 into the standard. The new EN/AS 9100 version is intended to take into account the current needs of the interest groups in aviation, aerospace and defense industries. The revision also incorporates clarifications into the 9100 series that have been requested by the IAQG since the last revision.

## Certification scheme

Aviation certifications are subject to the ICOP Scheme (Industry Controlled Other Party), which regulates (by means of additional standards), among other things, the monitoring of the registration and implementation of the certification procedure as well as the necessary auditor competence and auditor training. This overview illustrates the interrelationships between the standards.



\*AeroSpace Defence

Source: IAQG

**Key substantive differences between the old and the new EN/AS 9100 version**

- Adoption of the basic standard structure with 10 standard sections (high-level structure) that are defined in ISO guidelines for harmonizing all management systems. The structure is based on the sequence of the PDCA (Plan-Do-Check-Act) cycle.
- The specific requirement to define the scope and limits of the quality management system.
- The explicit obligation to support risk-related thinking and improve the understanding and application of the process-oriented approach (PDCA cycle).
- Increased emphasis on defining the organizational context, based on relevant external aspects (such as laws, technology, culture, social / economic environment, competitiveness, market) and relevant internal aspects (such as values, culture, knowledge and performance of the organization).
- The 7 reformulated QM principles, change management as well as aspects relating to product safety and protection against counterfeit parts have been newly incorporated.
- Increased demands on company management.
- Stronger emphasis on desired process results in order to improve customer satisfaction.
- The standard requirements were formulated to be less “prescriptive”, meaning that more self-initiative is required in their practical implementation.
- More flexibility in terms of the necessary specifications: Documentation of specific procedures is not mentioned; it is the organization’s responsibility to retain documented information required for the control and the scheduled flow of their processes. The scope of documentation that is needed depends on the context of the organization.
- Improved applicability for service companies.

**What are the advantages of the new version EN/AS 9100:2016?**

The EN/AS 9100:2016 series of standards focuses more strongly on achieving compliant products and services, and takes a less normative approach. The new standard demands greater management involvement as well as more structured planning for setting and achieving objectives. The management review is also more closely geared to the organizational results and it is possible to more flexibly document quality management system information. For service and knowledge-based organizations, the revision will be more user-friendly. The EN/AS 9100:2016 series addresses organizational risks and opportunities in a structured manner and more effectively addresses supplier management. In addition, the new standard is intended to facilitate the integration of other management systems, such as the environment, health & safety, etc.

*\* All information is subject to change. Source: IAQG*

**The advantages of EN/AS 9100:2016**

Provided that the new requirements of the EN/AS 9100:2016 series are properly introduced and managed, the implementation of the new standard promises a number of advantages:

- Manufacturing and continuous improvement of safe and reliable products
- Maintaining or exceeding customer demands or regulatory requirements to ensure safety and satisfaction in the supply chain
- Necessary processes for daily operations are defined and selectively controlled
- The documentation precisely reflects work carried out and measures taken
- The focus is on the entire supply chain and all interest groups
- Recognition by regulatory authorities

**Do you have any questions? Our experts are available to provide you with a free briefing. Feel free to talk to us about this!**

**Contact** >

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