



ISO 9001:2015 and AS91XX:2016 Changes Impacting Distributors

Jim Lee
Deanne Sparr

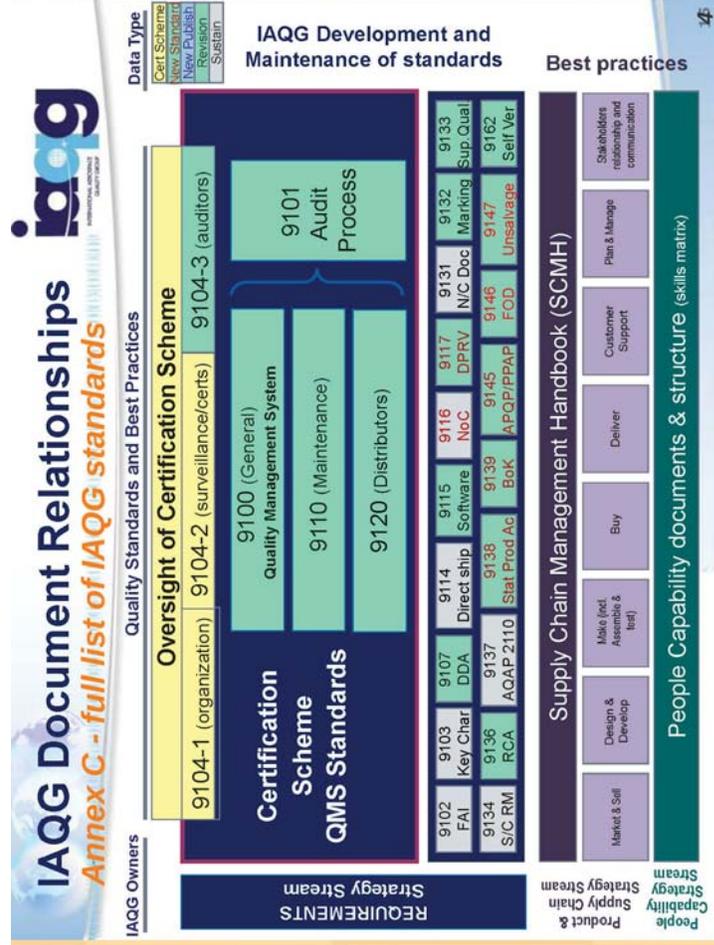
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AS91XX → AS9100
AS9110
AS9120

AS9100:2016 Revision Year
AS9100 Rev D



IAQG Document Publications

Annex C - full list of IAQG standards

- Requirements to harmonize the Quality Management System
- 9100 "QMS – Requirements for Aviation, Space & Defense Organizations"
- 9110 "QMS – Requirements for Aviation Maintenance Organizations"
- 9120 "QMS – Requirements for Aviation, Space & Defense Distributors"
- 9101 "QMS – Aviation, Space and Defense Audits"
- 9104/1 "Requirements for Aviation, Space, and Defense Quality Management System Certification Programs"
- 9104/2 "Requirements for Oversight of Aerospace Quality Management System Certification /Registration Programs"
- 9104/3 "Requirements for Aerospace Auditor Competency and Training Courses"
- 9115 "QMS - Deliverable Software"
- 9137 "Guidance for the Application of AQAP 2110 within a 9100 QMS"

Supports Certification Requirements

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IAQG Document Development

Annex C - full list of IAQG standards

- New - Requirements to Improve Product Integrity
- 9116 "Aerospace Series – Notice of Change (NOC) Requirements"
- 9117 "Delegated Product Release Verification (DPRV)"
- 9136 "Root Cause Analysis and Problem Solving"
- 9138 "Statistical Product Acceptance"
- 9139 "Bodies of Knowledge"
- 9145 "Advance Product Quality Planning (APQP) / Production Parts Approval Process (PPAP)"
- 9146 "Foreign Object Debris (FOD)"
- 9147 "Management of Unsalvageable Items"

STANDARD	ISSUE	STATUS
AS9100:2016	2016	Final
AS9120:2016	2016	Final
AS9101	2015	Final
AS9104/1	2015	Final
AS9104/2	2015	Final
AS9104/3	2015	Final
AS9115	2015	Final
AS9136	2015	Final
AS9137	2015	Final
AS9138	2015	Final
AS9139	2015	Final
AS9145	2015	Final
AS9146	2015	Final
AS9147	2015	Final

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IAQG Document Publications

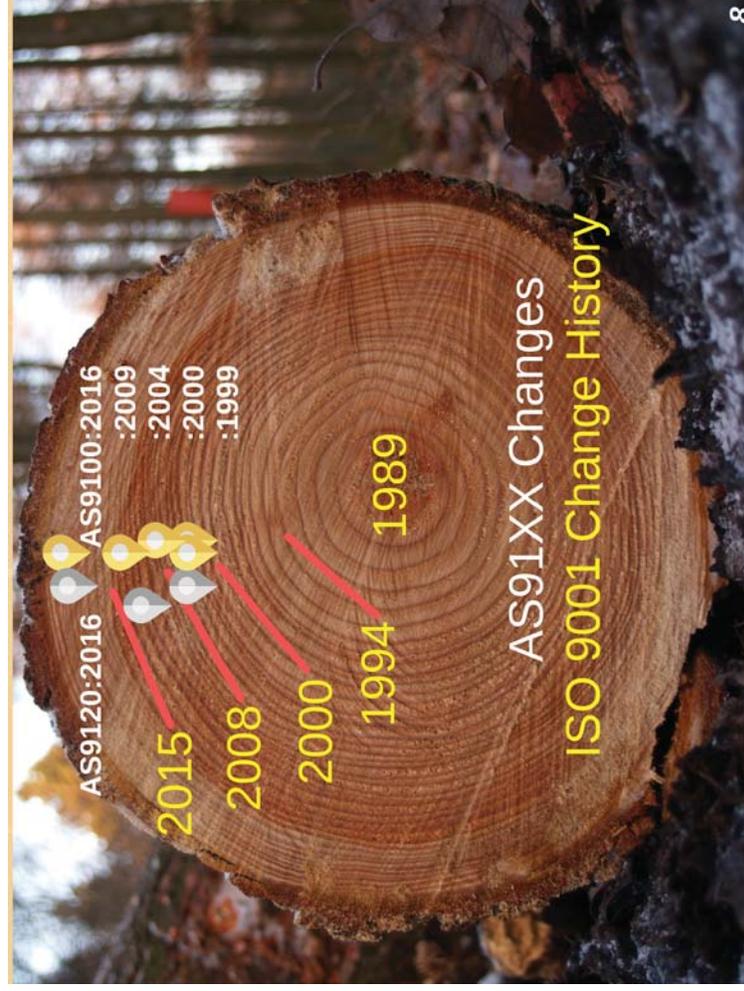
Annex C - full list of IAQG standards

- Requirements to Improve Product Integrity
- 9102 "Aerospace First Article Inspection Requirements"
- 9103 "Variation Management of Key Characteristics"
- 9107 "Direct Delivery Authorization – Guidance"
- 9114 "Direct Shipment – Guidance for Aerospace Companies"
- 9131 "Non-conformance Documentation"
- 9132 "Data Matrix - Quality Requirements for Parts Marking"
- 9133 "Qualification Procedure for Aerospace Standard Parts"
- 9134 "Supply Chain Risk Management Guidelines"
- 9162 "Aerospace Operator Self-Verification Programs"

Supports Improving the Quality Management System

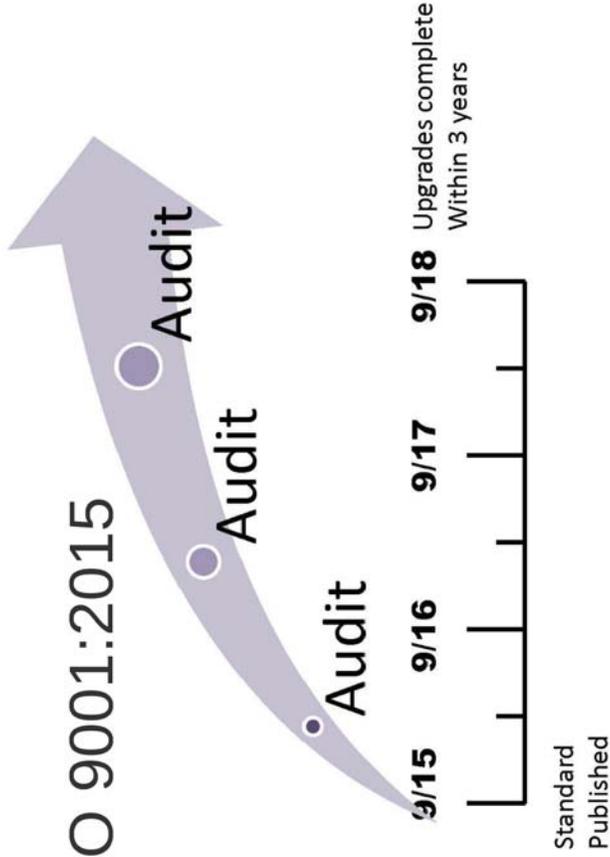
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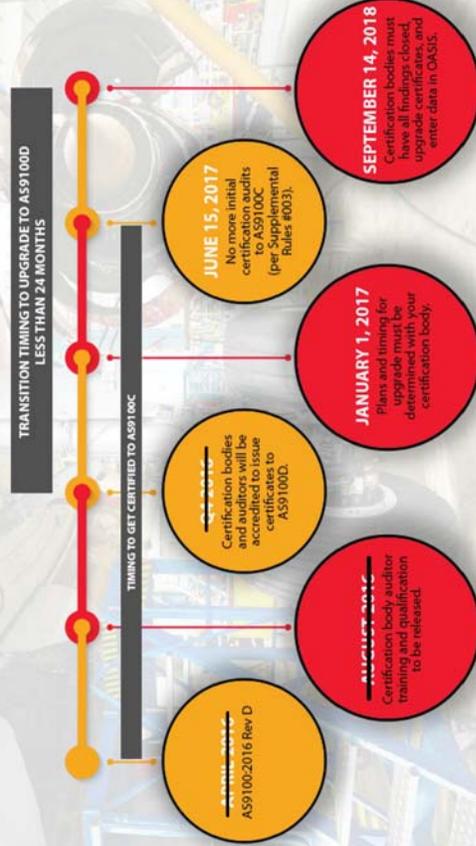
ISO 9001:2015



Key Words In ISO 9001:

Word	2008	2015
"Customer"	50 Times	63 Times
"Customer Satisfaction"	8 Times	27 Times
"Top Management" "Leadership"	10 Times	16 Times
"Context"	0 Times	10 Times
"Interested Party(ies)"	0 Times	14 Times
"Plan", "Planned", "Planning"	36 Times	50 Times
"Quality Objective" "Objective"	15 Times	17 Times
"Improve", "Improvement"	24 Times	41 Times
"Process", "Processes"	78 Times	114 Times
"Risk", "Risk-Based Thinking"	2 Times	49 Times

AS9100:2016 TRANSITION TIMELINE



Key Words in AS9120

Word	2009	2016
"Customer", "Customer Satisfaction"	95	166 Times
"Top Management", "Leadership"	12	18 Times
"Context"	1	11 Times
"Interested Party(ies)"	0	16 Times
"Plan", "Planned", "Planning"	38	118 Times
"Quality Objective", "Objective"	20	22 Times
"Improve", "Improvement"	31	86 Times
"Process(es)"	106	299 Times
"Risk", "Risk-Based Thinking"	6	76 Times
"Safety"	1	14 Times
"Counterfeit"	4	18 Times

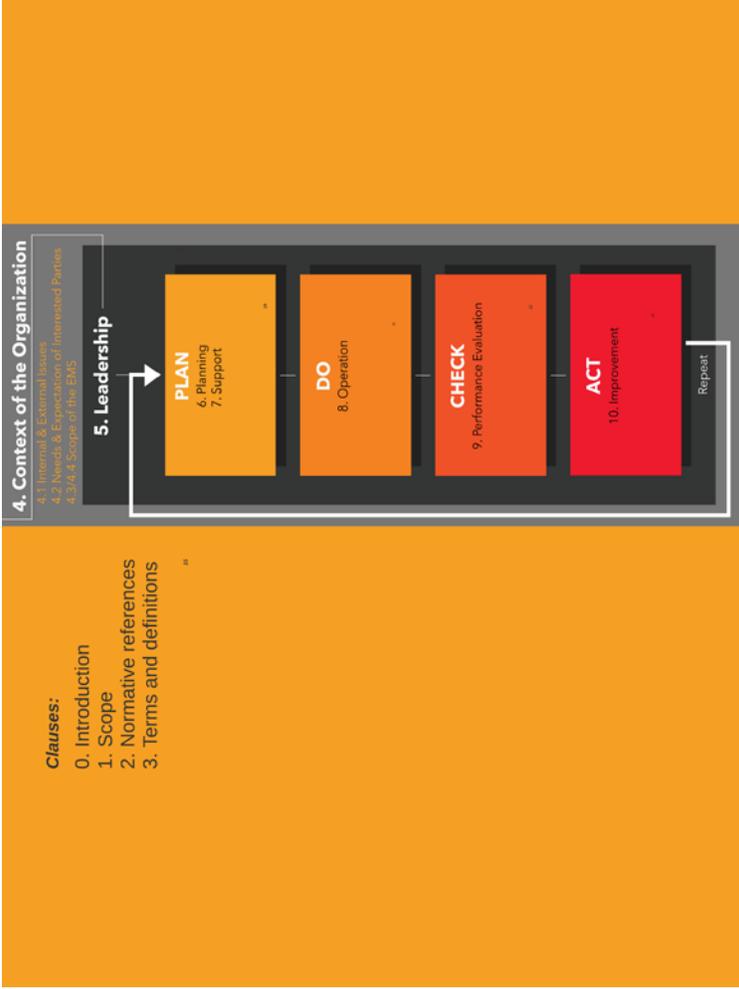
ISO/IEC Directives, Part 1, Annex SL, Appendix 2

10 Clauses

High Level Structure

Clauses:

0. Introduction
1. Scope
2. Normative references
3. Terms and definitions



Clauses 0 & 1

- 7 Quality Management Principles
- New process schematic
- Added PDCA approach
- Added "risk-based thinking"
- Relationship with other standards

Clauses 2 and 3

- Reference ISO 9000:2015
- New terms:
 - "Product safety"
 - "Counterfeit part"

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PLAN

- 6. Planning
- 7. Support

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4. Context of the Organization

- 4.1 Internal & External Issues
- 4.2 Needs & Expectation of Interested Parties
- 4.3/4.4 Scope of the EMS

5. Leadership

PLAN

DO

8. Operation

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CHECK

9. Performance Evaluation

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Do I need to change all my document numbering?



Cross reference correlation matrix at:

www.iso.org/tc176/sc02/public
ISO 9001:2008 and ISO/DIS 9001 Correlation matrices

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ACT

10. Improvement

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Clause 4 Context of the organization

4.1 Understanding the organization and its context

external
issues

internal
issues

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external issues

Consider relevant factors:
legal, technological,
competitive, market, cultural,
social and economic -
whether international,
national, regional or local

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Clause 4
Context of the organization

4.2 Understanding the needs and expectations of interested parties

Determine relevant stakeholders or interested parties and their requirements.

Who are they?

Where do we find requirements?

Are they all of equal importance?

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internal issues

Consider:
company values culture,
knowledge and performance

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Changes to the company's context and relevance of interested parties change over time

9.3 Management review - New topics

- Consider changes in external and internal issues affecting the QMS
- Trends in customer satisfaction and feedback from relevant interested parties
- The effectiveness of actions taken to address risks and opportunities
- Trends in the performance of external providers
- **On-time delivery**

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