Aviation Suppliers Association Annual Conference 2016

# Aviation Suppliers Association Technical Services

Michelle Billoir, Kelly Lyon and Walter Sam O'Connor

FAA AC 00-56
ASA-100 ACCREDITED

ASA
AVIATION SUPPLIERS
ASSOCIATION

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# Aviation Suppliers Association Accreditation Program Team introduction

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# Aviation Suppliers Association Accreditation Program Team introduction continued.



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# Overview of ASA-100

The after-market aviation distribution industry is regulated by few countries.  Over the past several years a growing effort has begun to define and implement controls in various regions of the world.

- The Aviation Suppliers Association third party accreditation program, ASA-100 is recognized world wide and has become a leading industry standard.

- As of August 2015 all audits have been performed to the revision 4.0 of ASA-100 standard.

- ASA-100 revision 4.0 addresses all requirements of the FAA's Advisory Circular 0056B.  It is a robust standard that goes beyond the Advisory Circular that forms a robust foundation of quality management system.

- Compliance to FAA AC-0056 can be achieved through a third party audit such as ASA-100, ISO 9001 and AS9000 series standards.  The Aviation Suppliers Association is the only organization that offers audits to all these standards.

# Requirements found in ASA-100 revision 4.0

## *Requirements*

- Receiving Inspection
- Personnel Training
- Identification and qualification of QA decision makers
- Incoming Discrepant
- Measuring Equipment
- Self Evaluation Program
- Shelf-Life Controls
- Corrective Action Process

- Technical/Reference Data
- Inspection Stamp Control
- Packaging Controls
- Environmental Controls
- Documentation Control
- Lot Redistribution Procedures
- Documentation Retention
- Recall Controls
- Notification of Changes
- Hazmat Control and Shipping

# Oversight of ASA-100

The Aviation Suppliers Association reviews the standard at defined timeframes to ensure ongoing applicability within the industry. In addition when trends are identified through audits determination is made on whether a change or revision is required to the standard.

- During the bi-annual Quality Committee meetings held in December and June.

- Discussions include ongoing applicability, trends or changes occurring within industry.

- These discussions result in determination of needed revision to the standard, issuance of a letter of interpretation (LI) or the need for a best practices document.

  - There is one active LI (100-009)

  - Two Best Practice documents have been issued, Disposition of Unsalvageable Aircraft Parts and ESD handling.

- Involvement of ASA auditors, quality committee members and accredited organizations is vital to the success of this oversight and a strength of this program.
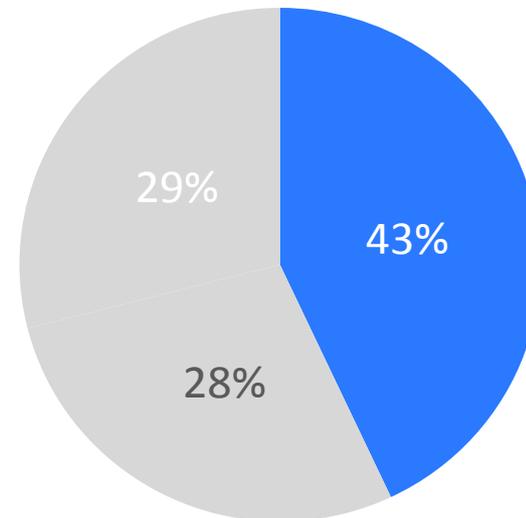
# FAA AC 00-56

*As of early June there were 745 companies listed on the Database of Distributors, thus being FAA AC 00-56A and AC00-56B Accredited*

*Breakdown among applicable quality system standards*

- *ASA-100 accredited companies – 43%*

- *ISO 9001 certified companies – 28%*

- *TAC2000 accredited companies – 29%*

This number is constantly changing

29%

43%

28%

# FAA AC 00-56 and its impact on the Global Market

EASA is working on a rule, known as NPA 2012-03 *'Control of suppliers of components and material used in maintenance'.* The rule is similar to FAA AC 00-56 in that it lists *officially recognized standards.* Jason Dickstein provided a brief update on this document at the Quality Committee meeting.

As mentioned at previous conferences, the CAAC has developed its own guidance for Chinese distributors that require an audit by a Chinese Association.

# ASA-100 Accreditation by the numbers

## Accreditation by Country/Region

| | |
|---|---|
| Canada – 3 | Netherlands - 4 |
| China – 3 | Nigeria - 1 |
| Estonia – 1 | Russia Federation - 1 |
| France – 2 | Saudi Arabia - 1 |
| Hong Kong – 4 | Singapore - 8 |
| Ireland – 3 | Switzerland - 1 |
| Jordan – 1 | United Arab Emirates - 7 |
| Lithuania – 1 | United Kingdom - 10 |
| Luxembourg – 1 | United States - 289 |
| Malaysia – 1 | |

## Total number of accredited organizations

There are a total of 342 ASA-100 accredited organizations wolrdwide. A total of 184 revision 4.0 audits have been completed since August 1, 2015.

## Pending revision 4.0 audits

Total number of accredited organizations that still have to  be audited to the revision 4.0 of ASA-100.  **158 due to audit cycle.**

Breakdown of Audit Findings relating to ASA-100 revision 4.0

# Audit Findings by section of ASA-100 revision 4.0

The following are the top ten areas of the standard where non-conformances have been issued for audits completed between August 1, 2015 and June 16, 2016.

- Section 1B – Documents shall be readily available to at least first line supervisors responsible for the activities described.

- Section 1C - The quality manual and/or related documents shall be kept current and readily available..

- Section 1E15 – The corrective action process.

- Section 2A – Self Audit/Evaluation.

- Section 4C – Training formal and OJT shall be documented and records maintained..

- Section 4E – Unapproved parts; and counterfeit parts and materials training programs.

- Section 5C – Maintain a list of approved suppliers and a quality history for each source.

- Section 14A – A written process describing when and how corrective action is performed must be in QM.

- Section 14B – Overall process of corrective action.

- Section 14C – The QM shall describe the forms used to document the corrective actions

# ASA-100 Topics Round Table Discussion

- Section 1E15 – The corrective action process.

  - What is the intent of corrective action process

  - What will ASA auditors be looking for as in objective evidence

- Section 14A – A written process describing when and how corrective action is performed must be in QM.

  - How detailed must a procedure be to be in conformance.

  - Does it have to be a written document or can it be a process flow.

- Section 14B – Overall process of corrective action.

  - Not sure when containment is required.

  - Root cause when do I know my root cause is adequate.

- Section 14C – The QM shall describe the forms used to document the corrective actions.

  - Do I have to use a 6D or 8D form.

  - If I do not use the ASA form will I be written up

# Transition requirements for ISO 9001:2015 standard.

- On September 15, 2015 the new ISO 9001:2015 Quality Management System standard was released and made available to the general public. Organizations that are presently certified to ISO 9001:2008 are required to transition their existing quality management system to ISO 9001:2015 by September 15, 2018. A three-year transition period has been mandated.

- ASACB has created several tools to aid Clients during the transition. Other than the *Transition Plan Milestone Form*, none of the tools are mandatory, rather they were created to provide assistance where needed.

  - ISO 9001:2015 Transition Plan Milestone Form (required for clients)

  - FAQs (Frequently Asked Questions)

  - Comparison Chart of Section Numbers Between ISO 9001 2008 to 2015 Revision

  - Chart of New Requirements and notes regarding sample objective evidence and guidance to auditors as to areas to audit.

  These tools can be found at http://www.aviationsuppliers.org

# Transition requirements for the AS9000 series standards.

- The International Aerospace Quality Group (IAQG) has agreed to align transition to the forthcoming revised 9100:2016 series standards with the International Accreditation Forum's (IAF) Resolution 2013-15, which requires transition to the ISO9001:2015 quality management system (QMS) standard no later than 15 September 2018.

- The 9100:2016 series of standards will be published concurrently across Americas, Asia-Pacific, and European sectors. The timing of this concurrent release will result in the 9100:2016 publishing starting in October 2016, 9101 and 9110 in November 2016 and 9120 in December 2016; given a worst case scenario. Efforts are being made to shorten the publication time spans and publish concurrently as soon as possible.

- The IAQG Other Party Management Team (OPMT) will release the supplemental rule SR-003 for transition to all stakeholders upon publication of the revised 9100:2016 standard.

IAQG encourages all certified organizations to review the ISO 9001:2015 standard and key changes presentation on the IAQG website to begin their transition activities.

(This information was directly taken from the OASIS main page for log in)

# Transition requirements for the AS9000 series standards.

- The 9104-001 accreditation of CB's (ASACB) is updated to include certification of clients to the 2016 version of AQMS standards including use of the 9101:2016 standard by June 15, 2017.

- June 15, 2017 is the hard stop date for audits to AS9100C, AS9110B, AS9120A.

- ASACB will confirm and complete by January 1, 2017 verification that each certified organization's agreement to transition to the applicable 2016 edition.

- Where a special audit is used for transition the on-site audit duration shall be at the surveillance audit duration with the additional audit duration.

- All transition audits will be completed June 15, 2018 to allow for the closure of non-conformances and the certification decision process.

- A transition certification decision will not be made after September 14, 2018.

# Coming improvements to the management of audits and services

The Aviation Suppliers Association had identified the necessity to migrate to the performance of audits digitally.

- In 2013 ASA-100 audits transitioned to performance of digital audits using a platform called iAuditor. This web based platform allowed for the use of Android notepads or iPads in the capturing of audit data.

- This platform allowed for limited customization and served the purpose of improving audit efficiency.

To promulgate further improvement of ASA's audit program a new need was identified.

- At the end of the 3rd quarter of 2014 the decision was made to invest in the development and creation of a proprietary audit program management system.

- Since the 4th quarter of 2014 to present day a key group within ASA have been working on the defining and development of the proprietary audit program management system. (ASAAM)

- ASAAM will have the following capabilities: Automatic client contact via system generate emails, request for audit documentation, upload of documents, auditor assignment, client audit confirmation, audit performance, non-conformance issuance, corrective action upload and review by auditor, technical review and certificate generation and download capability of certificates.

- Beta testing of audits will begin August 2016.

To further the expand upon value added services  available to accredited organizations and members.

- Training based on audit trends and needs, such qualified inspectors and supplier management and measurement.

- Workshops on various topics will be set for various locations for remainder of 2016 and 2017.

# Thank you for attendance and participation!