INDUSTRY / GOVERNMENT COLLABORATION

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IAQG Mission and Purpose

The mission of the International Aerospace Quality Group is to implement quality initiatives for the improvements throughout the aerospace product and services value stream.
IAQG Mission and Purpose

IAQG Purpose:

• Promotes a quality culture
• Establishes and maintains harmonized Quality Management System (QMS) standards
• Delivers the internationally recognized Industry Controlled Other Party Certification system
• Provides measurable benefits to Stakeholder, Customers and Suppliers
• Collects and offers best practices, processes, training, and harmonized requirements
• Promotes cooperation between international aviation, space and defense companies
• Maintains relationships with key industrial stakeholders, regulator and governmental agencies
The IAQG is a Global Team...

- IAQG is a cooperative global organization of aviation, space and defense companies
- Created in 1998 under the umbrella of the Society of Automotive Engineers (SAE)
- Focused on creating “harmonized”, internationally recognized aerospace standards to eliminate redundant OEM and supplier audits.
IAQG / Stakeholder Avenues

- **9100 & Standards**: Harmonized AS&D QMS standards, Global consistency
- **ICOP QMS Accreditations**: QMS Certifications, Auditor Authentication, Oversight
- **Guidance Material**: SCMH recommended practices, webinars, training
- **Partnerships**: Partner to deliver stakeholder value where not an IAQG core competence
- **OASIS**: OASIS repository, predictive analytics, feedback, corrective action
Common Standards
Harmonized Quality Standards

- Harmonized standards:
  - Clear expectations
  - Globally consistent - independent of language and cultural differences
  - Fewer customer unique documents / audits
  - Openly sharing of “Best Practices”
  - Improved Quality and Safety
  - Mutual understanding of requirements
  - Minimize variation and waste
  - Recognition by Regulatory Authorities
Industry Collaboration on Standards

- NASA representatives drove incorporation of two key requirements for 9100 Revision D
- Facilitated via participation in Space Forum
- Addition of requirements regarding:
  - Counterfeit parts prevention
    - AS9100 Clauses 8.1.4, 8.4.2, 8.4.3, and 8.7.1
  - Raw materials testing
    - AS9100 Clause 8.4.2
Civil Aviation Authority Example

EASA recognition of IAQG Standards

EASA Strategy - Rely more on Industry standards

Industry involvement key for Regulations & Standards evolution
OASIS Feedback

Feedback A:
Information on product quality non-conformance to supplier:
- to perform root cause analysis
- to take corrective/preventive action, also on Quality system level

Feedback B:
Information on product quality problems to CB:
- When related to possible QM system causes
- to focus CB audit activities on potential weak spots

Feedback C:
Information on findings to the customer found by the CB during the audit:
- to determine possible impact on product quality
- to determine additional audits (surveillance) or other actions to the supplier
Feedback

• Everything is in place to allow feedback directly into the ICOP process
• Time to “get in the game” to ensure we all benefit from the capability
• Continuous improvement with velocity depends on your engagement
DCMA Collaboration Example

• DCMA Detection to Prevention Imperative
  – Supports better buying power
  – Industry/DCMA collaboration is critical to success

• Partnership leverages 3rd party QMS audit results
  – Reduces duplicate oversight costs
  – Resources focused to higher risks
  – Identify and reduce repeat non-conformance
DCMA Collaboration Example

• Benefits

– Certifying Body (CB) using DCMA data to resolve system level issues – incorporate data into audit planning

– OASIS Feedback function utilized for standard clarifications

– DCMA impacting CB training through IAQG engagement

– Improved operational readiness

– Potential for cost savings & avoidance
Is Quality in your organization a Function?

…Or a Culture?
Collaborative Quality Roles

• Considering potential Quality role contributions:
  – Leadership
  – Transfer of knowledge
  – Inspiration
  – Training

• IAQG Supply Chain Management Handbook provides training and “how to” information to ensure your success
Supply Chain Management Handbook Collaboration

SCMH Visitor Tracking

- Approaching 200,000 Visitors
- 17,700 SCMH Registered Users
- New Website
- 9100 Webinars
- Registration

Timeline:
- Oct-14
- Apr-15
- Oct-15
- Apr-16
- Oct-16
- Apr-17
- Oct-17
OASIS Predictive Analytics

• OASIS Reporting Capability
  – Non conformance by clause
  – Effectiveness of auditors
  – Systemic QMS weaknesses

• Drive future SCMH and Requirement material

• Drive training materials

• Identify collaborative opportunities to address stakeholder needs
Future Partnerships

• Partnering with Specification Development Organizations
  – Reduce quantity of requirement documents across industry potential for broad cost savings
  – Industry collaboration could bring more focus and succinct requirements and guidance to stakeholders

• OASIS feedback and collaboration
  – Opportunity to drive continuous improvement in QMS documents
  – Opportunity to drive effectiveness and performance improvement in supply chain
The best way to predict the future is to create it.

- Abraham Lincoln
Thank You
The IAQG is a legally incorporated international not for profit association (INPA) with membership from the Americas, Europe and the Asia Pacific Region (Rev. 08-2015)