

9104-001 REVISION

Tim Lee – 9104/1 IDR The Boeing Company

International Aerospace Quality Group – Revision Progress



Project description / benefits:

Development of a revised 9104-001 standard within the parameters of the approved design specification and IAQG Procedure 105.3 including:

Conduct a Process Analysis on the ICOP certification process.

Utilize the results of the analysis to identify 9104-001 changes needed, via a revision design specification and submit to the IAQG for approval for a 9104-001 revision initiative by April 2018.

Generation of deployment support materials.

Unresolved issues & decisions needed (if any):

- · Current or future OASIS utilization
 - Funding for OASIS changes to support implementation
 - Synchronize 9101 and 9104/1 OASIS changes

Recent accomplishments (since last report):

- · Virtual meetings continue
- Complete Coordination Draft (CD) August 2019
- CD ballot Sept Oct 2019
- Comments assimilated
- 100% dispositioned (808+ Received)

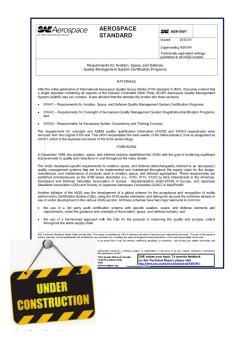
Next steps (30-60-90 day look ahead):

- Coordination with 9101 team
- Complete Ballot Draft April 2020
- IAQG Editor Update April 2020
- First Ballot May 2020



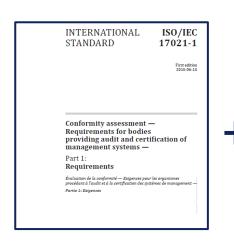
Core Team Members

- IDR & Project Lead Tim Lee
- Administrator Ian Folland
- Americas SDR Darrell Taylor
- Americas 9104/3 IDR Eric Jefferies
- European SDR Marie-Laurence Petit
- Asia Pacific SDR Katsuji Fukumoto
- Certification Body Representatives
 - Americas Bob Parsons (NQA)
 - Europe Brendon Hill (BSi)
 - Asia Pacific Shunsuke Yano
- Accreditation Body Representative Dale Gordon



Rationale for change

- Align with ISO/IEC 17021-1:2015, ISO/IEC 17011:2017 criteria and IAF Mandatory Documents
 - » ISO as Supplemented by Aviation, Space & Defence industry unique Industry Controlled Other Party (ICOP) sector scheme requirements







Robust, Conforming & Valued Output



IAQG 9104-1 Rewrite

- This is a COMPREHENSIVE revision to the 2012 version of the standard in keeping with the current schedule of the ICOP Scheme updates
- Update is "going back to basics…"
 - More emphasis on IAF and ISO/IEC requirements as the baseline for the scheme
 - Builds on ISO/IEC 17011 & 17021-1 and MD requirements
 - Will NOT restate any already stated requirements
 - Eliminates a lot of "unique" scheme requirements
- Also affects 9104-2 and 9101 in revision also.





Certification Program:

- The organization context, certification structure and audit time calculation shall be revised to include a new Organization Certification Analysis Process (OCAP):
 - Single site and multiple site structures only
 - Aligned with ISO and IAF MDs
 9104/1 Table 2 plus 20% (planning & reporting) as a starting point
 - Non-applicable processes shall result in audit duration reduction from the established minimum baseline.
 - OCAP will be used to drive audit duration increases or allow for decreases, with limitations



- CB Certification Program: RISK ANALYSIS
 - Data to be supplied by the Client / Organization to the CB
 - On-time delivery of the organization's product or service to the customer
 - Product or service conformity to customers requirements.
 - Customer complaints or feedback
 - Organizational and process performance (KPIs).
 - PEAR results from the last completed AQMS annual audit.

| RISK ANALYSIS | % CHANGE |
|---------------|-----------|
| Low | - ≤10% |
| Medium | No Change |
| High | + ≥10% |

Risk is "BY SITE" and adds or subtracts from AUDIT DURATION by SITE



- Client Participation:
 - The CB shall require client participation in the audit planning process by submitting QMS performance and change data in advance of any audit.
 The CB process shall also include a review of the submitted data, by the lead auditor, prior to starting the audit. Documented information shall be retained
 - Client must identify supporting IAQG standards they have implemented in their AQMS

| Standard Utilization Assessment | | | | | | | | |
|---|---------|-----------------|---|--------------------------|---------------------------------------|--|--|--|
| | | | | | | | | |
| Aerospace Standards | Number | Release Date | Contractually Flowed Down & Compliant | Voluntarily Compliant | Voluntarily Partially Compliant | List Equivalent Industry Standard(s) | | |
| Aerospace Series - Root Cause Analysis and Problem Solving (9S Methodology) | ARP9136 | 8-Nov-16 | | · | | | | |
| Guidance for the Application of AQAP 2110 within a 9100 Quality Management System | ARP9137 | 6-May-10 | | | | | | |
| Aerospace Series - Notice of Change | | | | | | | | |



- CB Certification Program: PBS/RP (replaces IAF MD3)
- Performance Based Surveillance/Recertification Program (PBS/RP)
 - High Hurdle for Use / Entry into Program
 - Robust Internal Audit Program / AEA for Internal Auditors
 - Low / no Complaints / Meet KPIs consistently
 - Good results / No NCRs from CB audits / only after 1 cert. cycle
 - Methodology All sites Initial
 - One-Third each surveillance + Central Function
 - One-Third at Recertification + Central Function

NOTE: Central Function can be a virtual site



Transition

- Team has had preliminary discussions regarding transition. The following concepts discussed:
 - ABs to transition within 12 months from publication
 - CB accreditation 18 months from publication
 - Initial certification mandate upon CB reaccreditation
 - Existing certificates transition to be linked to re-certification

