

# 9136 AEROSPACE STANDARD REVISION

9S PROBLEM SOLVING METHODOLOGY

International Aerospace Quality Group – Revision Progress **Project Leader:** 9136 – 9S Problem Solving Methodology Mark Rodriguez (IDR) Date of last report: Date of this report: **Current Status: Strategy Stream Leader: Sector Document Reps:** G Sept. 2023 09 October 2023 Alan Daniels Mark Rodriguez(AAQG) Lou Zuozheng (APAQG) 😕 an Herre (EAQG) **Initial Planned Current Estimated** December 2023 December 2023 **Completion Date: Completion Date:** 

### Project description / benefits:

<u>Goal</u> – Complete update/rewrite of this standard: Rename Standard

- 1) Adjudicate comments carried over from last revision
- Adjudicate comments from interested parties for this re
- 3) Re-write document and convert to a requirem a recommended practice document.
- 4) Review and update informationa in ruci

#### Unresolved issues & decision Teeue if 19

- 1. Work on content to shift \ SCMH
- 2. Meet with -1 Committee to review 5 year review checklist and Design Specification
- 3. Formalize next steps for Coordination Draft

### Recent accomplish (s) swast report):

- 1. Requested in a coup of interested parties to review "Concept
- med interest and sent "Concept Draft" to select group for

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

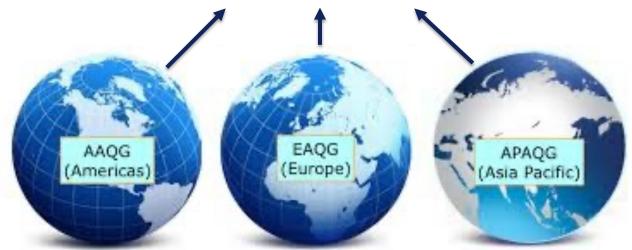
- 1) Review comments from Interested parties
- 2) Update Concept Draft to prepare for CD.
- Complete review of material to shift to SCMH material
- 4) Finalize draft for ballot

# **IAQG** Document Representatives



**IDS** Mark Rodriguez





**SDL** Mark Rodriguez **SDL** Stefan Herre

**SDL** Lou Zuozheng

## 9136 Executive Summary



## **Problem Statement**

Last updated in 2016, 9136 was released as an Aerospace Recommended Practice and needs to be revised to a requirements standard.

## **Revision Approach**

- Team met regularly adjudicating comments from previous reviews
- The document has been revised to a requirement standard
- Additional information from the current ARP is being reviewed for inclusion in the SCMH

## Rationale



The objective of problem solving is to not only reduce the number of issues (i.e., undesirable conditions, defects, failures), but to minimize their impact on quality, delivery performance, costs, and ultimately on the customer. Big issues often originate from small problems that were discovered and never resolved due to not understanding the actual issue(s), incorrect analysis of the root cause, and/or ineffective actions being taken.

This standard was created to provide a methodology for problem solving to resolve a significant or recurrent issue (e.g., quality, On-time Delivery (OTD), process, documentation).

## **Foreword**



To assure customer satisfaction, aviation, space, and defense industry organizations must produce and continually improve safe, reliable products that meet or exceed customer and regulatory authority requirements.

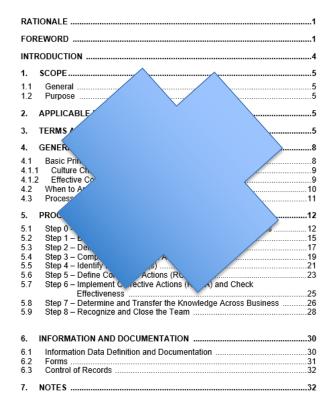
This standardizes problem solving methodology to support these efforts. The establishment of a common methodology, for use by organizations at all levels of the supply-chain should result in improved action plans and a standardized way of exchanging information between organizations and external stakeholders (e.g., suppliers, partners, customers, regulatory agencies).

# **Key Changes**



- Complete revision from ARP to requirements standard (including title)
- Update / clarify definitions used within standard
- Review Process Steps for constructive problem solving development
- Standardize each Process Step to accomplish
  - a. **Objective**
  - b. *Output*
  - c. Actions
- Transfer additional guidance information for SCMH
- Significantly reduced page count to simplify process execution (by 30 pages)

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## **Next Steps**



- Meet with -1 Committee to endorse Coordination Draft
- Release Coordination Draft for comments
- Collect CD comments and adjudicate
- Update SCHM (Section 7.4) upon standard release



# TRANSITION TOGETHER