

PRATT & WHITNEY DEPLOYMENT



PAUL MORGAN
SR. DIRECTOR QUALITY & PROCESSING ENGINEERING
PRATT & WHITNEY

TRANSITION OF ASQR-01 -> AS130XX

ASQR JOURNEY HAS PROGRESSED, AND NOW IS INFLUENCED BY AS13100

ASQR-01 Rev 9, 2/2/2015

AS13000 – Problem Solving Requirements for Suppliers - 8D

ASQR-01 Rev 10, 11/1/2016

AS13001 – Delegated Product Release Verification Training Requirements

AS13002 – Inspection Frequency Plans

AS13003 – Measurement Systems Analysis

UTCQR 09.1 Rev 6, 2/19/2019

AS13004 – PFMEA & Control Plans

AS13006 – Process Control Methods

ASQR-9.2 Rev 2, 1/28/2019 (Formatted based on AS9145)

AS9145 – Requirements for Advanced Product Quality Planning and Production Part Approval Process

AS13100 GAP ASSESSMENT

UNITIZED RM13009 AND THE ASQR-01 NEW SUPPLIER CHECKLIST

SAE INTERNATIONAL
AEROSPACE STANDARD
AS13100™
 Issued 2021-03
 AESQ Quality Management System Requirements for Aero Engine Design and Production Organizations

RATIONALE
 This standard has been created by the SAE G-22 Aerospace Engine Supplier Quality (AESQ) Technical Committee to harmonize and simplify supplier quality requirements that are in addition to the requirements of AS1300 Quality Management Systems - Requirements for Aviation, Space, and Defense Organizations and S142 Advanced Product Quality Planning and Production Part Approval Process.

FOREWORD
 To assure customer satisfaction, the aviation, space, and defense industry organizations have to produce and continually improve safe, reliable products that equal or exceed customer and regulatory authority requirements.

AS13100 Compliance Self Assessment Chapter A

Organization Name:	Pratt and Whitney	Date:	10/9/2021
Completed By:	J. Massicot/T. Carpenter/E. Capozzi/S. Shilberg/P. T.	Version:	Initial

Self Assessment Compliance Status Key

- Red: Not Compliant with the requirement, No Plan in place to resolve.
- Yellow: Not compliant but there is a plan in place with a scheduled completion date.
- Green: Fully compliant to all points identified under each clause and referenced in the Management System.
- Black: Not applicable to the scope of activity carried out.

Clause	Clause Title	Organization Process Reference (or comment)	Compliance Status
Chapter A - Quality Management System Requirements			
4	CONTEXT OF THE ORGANISATION	T&C/PWA-001/ASQR-01 (Page 8, 4.2.6)	C
4.1	Understanding the needs and expectations of interested Parties - Supplemental Requirements	INTERNAL: Management System Manual	C
4.1.1	Determining the scope of the quality management system - Supplemental Requirements	EXTERNAL: ASQR-01 INTERNAL: Mfg for N/A as PWA does not develop product software but buys it (e.g. Collins PACS software)	C
4.1.2	Deliverable Software	EXTERNAL: ASQR-07 S	C
4.1.3	Identification Body and scope	INTERNAL: PWA registered by ISI EXTERNAL: ASQR-01	C
4.1.4	Access to OASIS and NADCAP Databases	INTERNAL: PWA access controlled by Seat-Whitney/OCMA has access to any PWA OASIS system EXTERNAL: ASQR-01 INTERNAL: PWA has compliance matrix (Department & SAE), also completing (M21000 matrix)	A
4.1.5	Compliance Matrix & Scope	EXTERNAL: Compliance Regs Eye to inform supplier to complete M21000 compliance matrix & gap analysis	A

AS13100 Chapter A: Compliant Chapter A Compliant Chapter B Compliant Chapter C Result Table Result Chart Compliance Plan Version Control

United Technologies
 AEROSPACE SUPPLIER QUALITY REQUIREMENTS
 Number: ASQR-01
 Revision: 1.6 7/20
 Effective Date: 6/24/2014
 Page 1 of 17

Supplier Quality System Requirements

INTRODUCTION
 This document defines supplier quality requirements as agreed upon by the following business entities herein referred to as "Member".

Pratt & Whitney	PW
Pratt & Whitney Canada	PWC
UTC-Aerospace-Systems	UTAS

This document has been developed based upon the requirements of the International Aerospace Quality Group (IAQG) [AS9100](#) - Quality Management Systems - Requirements for Aviation, Space and Defense Organizations. This document identifies unique requirements for RTX UTC Member companies.

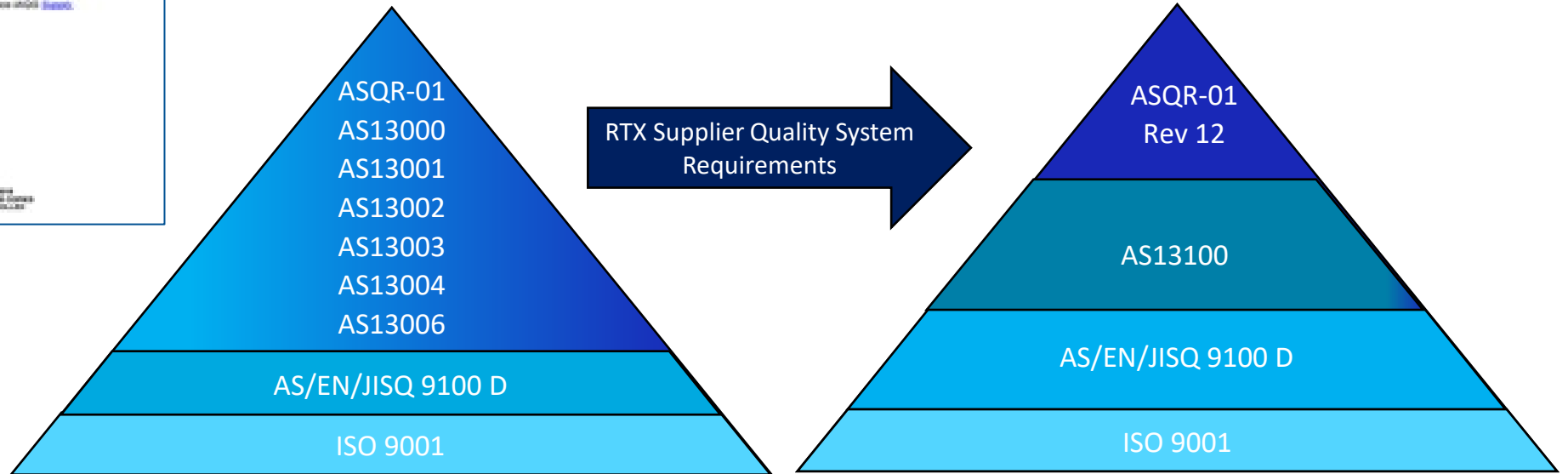
When a supplier provides product or service to more than one Member, the requirements contained herein are to be uniformly applied for each individual Member.

Note: For guidelines on implementing supply chain best practices, reference IAQG [Supply Chain Management Handbook \(SCMH\)](#).



TRANSITION OF ASQR-01 -> AS13100

ASQR JOURNEY HAS PROGRESSED, AND NOW IS INFLUENCED BY AS13100



TRANSITION OF ASQR-01 -> AS13100

ASQR JOURNEY HAS PROGRESSED, AND NOW IS INFLUENCED BY AS13100

ASQR-01 Revision 12

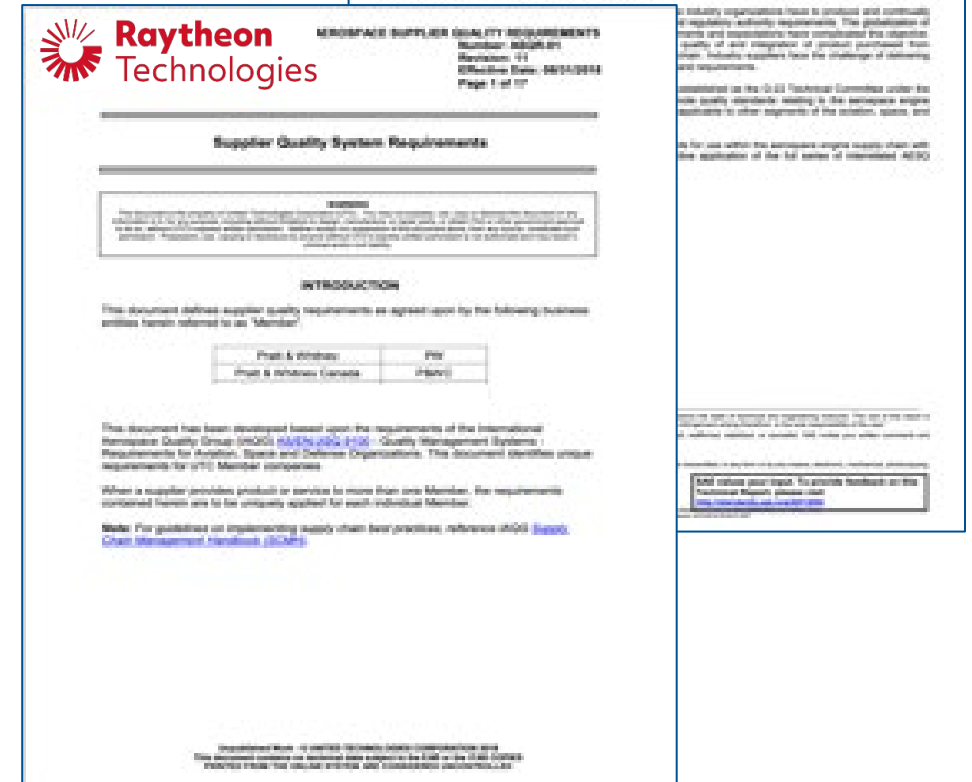
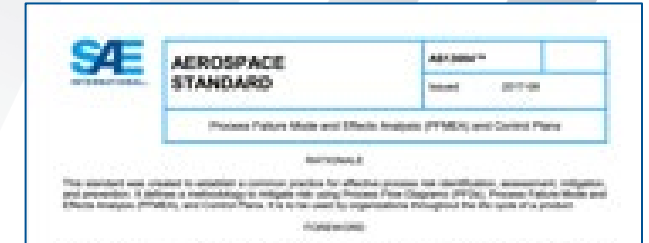
Current requirements of ASQR-01 Rev 11 at **174** pages forecast to drop to **102** pages, a 41% reduction.

“Shalls” forecasted to be reduced by more than **23%**

ASQR-01, Revision 12 based now on International Aerospace Standard **AS13100**

With the addition of:

- ✓ Human Factors
- ✓ Sub-tier Management
- ✓ Internal Audit and Auditor Competencies
- ✓ Design and Development



TRANSITION OF ASQR-01 -> FUTURE STATE

ENSURING PW SPECIFIC NEEDS ARE CAPTURED



ASQR-01 Rev. 12

Formatting will align with AS9100, AS9145, & A13100 paragraph sections

Will apply to PWA & PWC

Target release Q2

ASQR-01 / AS13100 COMMUNICATIONS

STANDARD AND HOSTED COMMUNICATIONS ARE BEING DEPLOYED


PW conducting multiple events to facilitate adoption of AS13100
 Linkage to FAQs on AS13100 and ASQR-01 communicated
 Material is hosted on the PW and PWC Supplier Portal.

EAGLE EYES


Quality Lessons Learned

Applicability:
 Pratt & Whitney Pratt & Whitney Canada

AESQ PUBLISHES AS13100 SUPPLEMENTARY REQUIREMENTS TO AS9100 – ANN



SUPPLIER QUALITY



**Eagle Eye
Lessons Learned**

Applicability:
 Pratt & Whitney Pratt & Whitney Canada

AS13100

Pratt and Whitney will be requiring the deployment and implementation of the new AS9100 quality system *System Requirements* by the Aerospace Engine Division. **AS13100 as defined in customer-specific quality requirements between engine manufacturer and Pratt & Whitney.**

As Pratt & Whitney's partner Engines, we are offering their staff within our suppliers are aware an January 1st, 2023 dear Manager with the reor

Below are the planned sessions below will be posted on the P&W an date/time fits best with

Time/Date	Agenda Topic
2022 - February 22, 24 8:00am-10:00am EST (Tues/Thurs) 1:00pm-3:00pm EST (Tues/Thurs)	- Timeline of Expectations - Completing the RM13009 Self-evaluation - RM13009 results of P&W - ASQR-01 revision 12 update
2022 - Apr 12, 14 8:00am-10:00am EDT (Tues/Thurs) 1:00pm-3:00pm EDT (Tues/Thurs)	- Q&A Session – Gap Assessment - Scope of applicability for P&W suppliers
2022 - May 24, 26 8:00am-10:00am EDT (Tues/Thurs) 1:00pm-3:00pm EDT (Tues/Thurs)	- Q&A Session - Review the new ASQR01 / ASQR-01 Gap Assessment checklist - Training employees on new requirements - Conduct AS13100 & ASQR-01 internal Audit
2022 - Jul 19, 21 8:00am-10:00am EDT (Tues/Thurs) 1:00pm-3:00pm EDT (Tues/Thurs)	- Validating closure of audit findings completed and ready for 1/1/23
2022 - Sep 20, 22 8:00am-10:00am EDT (Tues/Thurs) 1:00pm-3:00pm EDT (Tues/Thurs)	- Q&A Session – Topic to be determined based on Quality Mangers questions and feedback
2022 - Nov 15, 17 8:00am-10:00am EST (Tues/Thurs) 1:00pm-3:00pm EST (Tues/Thurs)	- Q&A Session – Topic to be determined based on Quality Mangers questions and feedback

Export Classification: [No Technical Data]
P&W PROPRIETARY INFORMATION