



## PRODUCT ASSURANCE PROVISIONS SP-03-01 Rev. M 2/19/2024

Director of Quality

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Revision	Date	Revision Record
NC	1/14/05	Initial Issue
A	8/18/09	Added PAP clause 34 FOD Requirements
B	8/12/10	Added PAP clause 35, 36, 37, 38, 39, 40 and revised clause #4, 21 and 28
C	11/30/10	Added clause #41 Digital Data Verification
D	11/11/10	Added #42 Business Confidential/Proprietary Statement and #43 CFM/GFM
E	9/15/11	Added section 20 c, to address Counterfeit Parts Prevention Added Section 44 ADI Customer Flow down of requirements
F	7/20/12	Added reference to AS6174 Counterfeit Material to clause 20 c
G	3/28/16	Added reference statement to PAP #6 Right of Access “and all of your Sub-Tier Supply Chain”
H	5-10-16	Revised clause #4 Calibration System from, “ANSI/NCSLZ540-1 to ANSI/NCSLZ540.3”
I	6-2-16	Removed General clauses to support PCC Aerostructures implementation of SQR10000 requirements. Airbus GRAMS flow down remains clauses 1-5.
J	9-12-18	Added Clause 2 for D6-51991 DPD Flowdown
K	2-19-20	Added Clause 3 for D6-82479 Boeing Quality Management System Requirements for Suppliers
L	11-29-2022	Section 8.0 Added QD4.6-40 Bombardier Quality requirements Sections 4 thru 7 Added ASR cross-reference.
M	2-19-2024	Removed Airbus GRAMS

### 1. QUALIFIED PRODUCTS LIST (QPL)

Suppliers of products such as electronic components, primers, enamels, oil, welding rod, switches, regulators, etc., Direct to ADI are responsible to furnish these products as listed on the applicable Qualified Products List (QPL) or evidence that they have been approved for inclusion on such list. They must substantiate the qualification by listing the product, the name of manufacturer, the QPL number, revision and date of applicable QPL on the certification for components or sub-assemblies. If there is a shelf life for the product, the expiration date must be noted on the certification and/or the product.

Supplier accomplishing final surface finish operations such as painting or installation of components or sub-assemblies using QPL products as outlined above, must substantiate the qualification as described above.

### 2. D6-51991 Quality Assurance Standard For Digital Product Definition At Boeing Suppliers

This document is a supplement to the Boeing Quality Management System requirements for suppliers and describes the requirements for supplier digital data system controls. To use Boeing furnished datasets as authority for design, manufacture or inspection, a supplier must comply with this document.



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3. D6-82479 Boeing Quality Management System Requirements for Suppliers

This document provides supplier requirements for Boeing Recognition of Quality Management System Accredited Certification documentation issued by an accredited Certification Body (CB) in accordance with International Aerospace Quality Group (IAQG) requirements, including Supplemental Boeing Quality Requirements.

4. AIRBUS ASR Requirements for Special Processing Suppliers

Suppliers who are contracted to provide Special Processes to ADI for Airbus products shall abide by the following requirements per Airbus ASR.

A1503 Supplier Chain Flow Chart.

A1503 Industrial Process Layout (Spaghetti diagram)

A1501 Continuous Improvement: (Continuous Improvement Processes/Lean Manufacturing Processes).

A1502 Product, Process & Sub-Process Key Characteristics.

A1503 Capacity Management.

A1503 Backorder Management A1501 Delays Analysis Process A1503 Bottleneck Identification

A1503 Industrial Change management

A1501 Manufacturing Inspection Means & Tools

A1503 Identification, Traceability, Configuration Management.

AS9100/A1501 Compliant as it relates to your Special Process and Quality/Business Management System.

A1503 NADCAP Certification

A1501 Suppliers shall partner with ADI Monitoring activities as it relates to Recovery and Improvement Actions when required.

A1501 Must be an Airbus and ADI approved supplier and adhere to all national, international, proprietary and Airbus Specifications.

(Refer to “Cascade of Airbus Requirements to ADI Subcontractors” matrix for detailed explanation of ADI & Airbus requirements)

5. AIRBUS ASR Requirements for Machining Suppliers

Suppliers who are contracted to provide Machining Processes to ADI for Airbus products shall abide by the following requirements per Airbus ASR.

A1503 Industrial Process Flow Chart.

A1503 Industrial Process Layout (Spaghetti Diagram)

A1501 Continuous Improvement: (Continuous Improvement Processes/Lean Manufacturing Processes).

A1503 Capacity Management. A1503 Backorder Management A1501 Delays Analysis Process

A1503 Bottleneck Identification

A1503 Industrial Change Management

A1501 Manufacturing Inspection Means & Tools

A1503 Identification, Traceability, Configuration management.

A1502 Product, Process & Sub-Process Key Characteristics.

AS9100/A1501 Compliant as it relates to your Quality/Business Management System.

A1501 Suppliers shall partner with ADI’s Monitoring activities as it relates to Recovery and Improvement Actions when required.

A1501 Must be an Airbus and ADI approved supplier and adhere to all national, international, proprietary and Airbus Specifications.

(Refer to “Cascade of Airbus Requirements to ADI Subcontractors” matrix for detailed explanation of ADI & Airbus requirements)

6. AIRBUS ASR Requirements for Standard Components (Stock list/Distributors) Suppliers

Suppliers who are contracted to provide Standard Components (fasteners, bearings, Sealants, Foil Tape, hardware, metallic materials, etc.) to ADI for Airbus products shall abide by the following requirements per Airbus ASR.

A1501 Continuous Improvement: (Continuous Improvement Processes/Lean Manufacturing Processes).



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- A1503 Backorder Management
  - A1501 Delays Analysis Process
  - A1503 Identification, Traceability, Configuration Management.
  - AS9100/A1501 Compliant as it relates to your Quality/Business Management System.
  - A1501 Suppliers shall partner with ADI's Monitoring activities as it relates to Recovery and Improvement Actions when required.
  - A1501 Must be an Airbus and ADI approved supplier and adhere to all national, international, proprietary and Airbus Specifications.
  - (Refer to "Cascade of Airbus Requirements to ADI Subcontractors" matrix for detailed explanation of ADI & Airbus requirements)
7. AIRBUS ASR Requirements for suppliers of Specified Material & Semi-Finished Products. Raw Material, Forgings, Bar Stock & Plate coming from Material Manufacturer. Suppliers who are contracted to provide Material Products to ADI for Airbus products shall abide by the following requirements per Airbus ASR.
- A1503 Industrial Process Flow Chart.
  - A1503 Industrial Process Layout (Spaghetti Diagram)
  - A1501 Continuous Improvement: (Continuous Improvement Processes/Lean Manufacturing Processes).
  - A1503 Capacity Management. A1503 Backorder Management
  - A1501 Delays Analysis Process A1503 Bottleneck Identification
  - A1503 Industrial Change Management
  - A1501 Manufacturing Inspection Means & Tools
  - A1503 Identification, Traceability, Configuration Management.
  - A1501 Compliant as it relates to your Special Process and Quality/Business Management System.
  - A1503 NADCAP Certification
  - A1501 Must be an Airbus and ADI approved supplier and adhere to all national, international, proprietary and Airbus Specifications.
  - A1501 Suppliers shall partner with ADI Monitoring activities as it relates to Recovery and Improvement Actions when required. (Refer to "Cascade of Airbus Requirements to ADI Subcontractors" matrix for detailed explanation of ADI & Airbus requirements)
8. QD4.6-40 Bombardier Quality Requirements for Suppliers:  
Suppliers who are contracted to provide Special Processes to ADI for Bombardier products shall abide by the requirements of QD4.6-40.