



AF-HB-9400-002

Supply-Chain Assurance and Continuity Handbook

Space / Aviation / Defense

FIRST EDITION

AF 9400 SUPPORTING DOCUMENT

Document identity and use

FIRST EDITION MANUSCRIPT - Prepared for Aerospace Federation review

Field	Controlled identity
Document	AF-HB-9400-002 - Supply-Chain Assurance and Continuity Handbook
Parent standard	AF 9400 - Aerospace Manufacturing, Materials & Supply Chain
Edition / language	FIRST EDITION / English master text
Family	Manuals
Primary source anchors	5, 9-14, 28-36
Suggested local owner	Supply-chain assurance owner
Authority	Publisher approval and effective date are not assigned. Local use requires authorized adoption and completed parameters.

Use with the main standard

This document implements the identified AF 9400 clauses and annexes. Read the complete applicable requirements in the main standard. The source anchors are navigation references; a template does not replace technical judgement, evidence, permission or eligible approval.

AF-ML-9400-001 lists the complete supporting set. AF-CM-9400-001 maps the main clauses and annexes to working documents. AF-TP-9400-001 establishes the common local parameter baseline; add the relevant discipline profiles.

Record control

Identify the object, configuration, record owner and dates. Reference attachments by stable identifier and version. Keep superseded evidence and decisions traceable. Use the approved local retention, access and authentication arrangements. No process recipe, numerical limit, interval or acceptance value is assigned by a blank template.

Implementation model: Translate the stated responsibilities and controls into the actual organization. Informative examples remain explanatory; use approved programme-specific values for operational decisions.

1 Define the retained supply responsibility

The supply owner coordinates providers and continuity; technical authorities approve material and process suitability; supplier quality evaluates capability and evidence; receiving and release owners make their separate acceptance decisions. Outsourcing an activity does not remove the need to close these interfaces.

1.1 Segment by technical consequence

Identify critical materials, processes, subtiers and evidence services. Assess defect detectability, consequence, authenticity risk and continuity dependencies. Supplier evaluation depth follows these risks rather than purchase value alone. A low-cost component may carry a high product consequence.

1.2 Approve exact scopes

Use AF-PR-9400-004 and AF-FR-9400-004. Examine representative actual capability, competence, qualification, capacity and record access. Approval names the product/process/site and restrictions. Maintain AF-RG-9400-001 so purchasing cannot accidentally use a blocked or undisclosed scope.

2 Establish complete purchasing interfaces

2.1 Technical flow-down

Use AF-PR-9400-005 and AF-FR-9400-005. State the baseline, material condition, approved processes, critical characteristics, verification, genealogy, change notification and preservation. Confirm that relevant subtiers receive the controls they actually perform and that evidence can return through the chain.

2.2 Delegation and receiving duties

Define delegated inspection or release by actual person or role, competence, method, records, oversight and suspension conditions. The receiving organization still assesses suitability for its intended use. Source release does not authorize acceptance of missing, contradictory or suspect evidence.

2.3 Continuing provider assurance

Review escapes, changes, process evidence and actual response to findings. A delivery score does not compensate for an unresolved technical failure. Select representative trails and witness critical activities where needed. Keep historical approval status linked to affected orders and operations.

3 Build a credible continuity model

3.1 Map real dependencies

Use AF-PR-9400-006 and AF-RG-9400-014. Identify shared upstream plants, unique tools, specialist people, utilities, digital services, inspection resources and routes. Two suppliers relying on the same critical source are not independent alternatives for that dependency.

3.2 Capacity and stock coverage

Use declared time, yield and bottleneck assumptions. Distinguish gross output, conforming output and released shipments. Count only eligible usable stock in coverage; show quarantined, expired and allocated quantities separately. Include material life and demand uncertainty.

3.3 Alternative technical eligibility

For each response route, record commercial delivery, qualification, permission, inspection and release prerequisites. The earliest technically eligible date may be later than the promised delivery. Emergency procurement does not remove authenticity or material-suitability requirements.

4 Control changes and transfers

4.1 Early notification and impact

Use AF-PR-9400-022 and AF-FR-9400-022. Review source, site, process, material, tooling, software, inspection and obsolescence changes. Compare mechanisms, essential variables and affected populations. Record which evidence remains valid and why.

4.2 Demonstration and transition

Plan representative new qualification, first article or verification for actual gaps. Control old/new stock, WIP, orders, labels, programmes and effectivity. The receiving route must demonstrate readiness before unrestricted use. A future action plan is not current capability.

4.3 Last-time buys

Evaluate usable quantity, storage, remaining life, authenticity and support needs. Avoid creating inventory that expires before use. A last-time buy can be one response but does not replace a viable long-term technical solution where continued support is required.

5 Protect shipment and manage escapes

5.1 Logistics and receipt

Use AF-PR-9400-023 and AF-FR-9400-023. Match packaging and custody to product sensitivity and route. Preserve lot identity, life, monitoring and receiving duties. Assess damage, delay and missing environmental records before restoring unrestricted status.

5.2 Escapes and recovery

Use AF-PR-9400-021 and AF-FR-9400-021. Notify recipients of known facts, uncertainty and immediate restrictions within approved times. Track quantities, locations, acknowledgments and remedies. Sending a notice does not close recovery; residual populations remain controlled.

6 Assure claims and improve the chain

6.1 Sourcing and environmental statements

Use AF-PR-9400-026. Link claims to actual origin, population, boundary and quantity evidence. Separate technical qualification from environmental attributes. Review allocation, losses, uncertainty and double counting before issuing a statement.

6.2 Review and exercise

Use AF-SC-9400-005/006 to schedule supplier examinations, continuity exercises and transition reviews from actual risk. Management evaluates common dependencies, capacity gaps, recurring escapes and ineffective controls. Verify recovery of product and data state, not only supplier contactability.

Required evidence: The supply chain can demonstrate who performed each critical activity, what requirements applied, what evidence returned and how affected output and continuity gaps are controlled.