



AF-PL-9400-004

Qualified Processes and Controlled Production Change

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-PL-9400-004 - Qualified Processes and Controlled Production Change
Parent standard	AF 9400 - Aerospace Manufacturing, Materials & Supply Chain
Edition / language	FIRST EDITION / English master text
Family	Policies
Primary source anchors	8, 15-24, 28, 30
Suggested local owner	Accountable executive / policy 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 Keep superseded evidence and decisions traceable.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.

Interactive record: Complete the fields in a PDF reader that supports AcroForms. Save a working copy and verify that entries remain visible after reopening. Link controlled continuation sheets when space is insufficient; every row requires its own evidence and disposition. Typed names identify people but are not self-authenticating signatures.

1 Policy and accountable commitment

The adopting organization shall authorize production only within a demonstrated material-product-process basis. It shall identify essential variables, validate necessary processes and ensure that actual execution remains within the approved scope. Manufacturing instructions shall reproduce the qualified conditions at the point of work.

1.1 Qualification and actual execution

Qualification plans shall define representative boundaries, criteria and independent review before evidence is collected. Actual runs shall preserve material, tooling, equipment, software, personnel and relevant parameters. Final inspection shall not replace process evidence where latent effects cannot be fully demonstrated afterward.

1.2 Change and transfer

Design, material, source, site, equipment, software, tooling, inspection and other material changes shall be assessed before reliance on prior evidence. Bridging shall identify unchanged conditions, affected mechanisms, invalidated assumptions and necessary new work. A common part number or machine model does not establish equivalence.

1.3 Continuing validity

Continuing checks shall detect relevant loss of capability. Failed checks, excursions and adverse trends shall trigger containment and historical-output review. Restoration shall identify the exact scope returned to use. Production transfers shall control old/new stock, WIP, instructions, programmes and receiving readiness.

Required evidence: Qualified scope, essential-variable register, actual run records, continuing checks, change-impact decisions and verified transition.

Decision control: Demand or continuity pressure shall not convert a planned future qualification into permission for present production or release.

2 Local adoption and accountable implementation

Organization, scope, policy owner and controlled local policy ID

Accountable executive; technical and decision authorities; eligible delegates

Implementation records, review triggers and unresolved dependencies

Authorized adoption, authentication reference and effective conditions