AEROSPACE FEDERATION

AF-FR-9400-008

Material Qualification and Substitution Dossier

Space / Aviation / Defense

FIRST EDITION

AF 9400 SUPPORTING DOCUMENT

Aerospace Federation
af.org

Document identity and use

FIRST EDITION MANUSCRIPT - Prepared for Aerospace Federation review

Field	Controlled identity
Document	AF-FR-9400-008 - Material Qualification and Substitution Dossier
Parent standard	AF 9400 - Aerospace Manufacturing, Materials & Supply Chain
Edition / language	FIRST EDITION / English master text
Family	Forms
Primary source anchors	12; Annex E
Suggested local owner	Responsible record owner and eligible reviewer
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 Keep superseded evidence and decisions traceable.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 Controlled working record

Complete the required payload from the cited clauses and annexes. Identify attached evidence by stable ID and version. Explain missing information and preserve any blocked decision; do not treat an empty field as approval or N/A.

Record ID, record owner, object/configuration and date

Application, original/proposed specification, form, condition and source

Required properties, interfaces, environmental and manufacturing effects

Represented population, orientations, ranges, tests and statistical evidence

Comparison, compatibility, gaps, reclaimed-input condition and limitations

Approved material/substitution scope, design/material authority and effectivity

Authentication, evidence references, restrictions and requalification triggers