AEROSPACE FEDERATION

# AF-CL-9400-006

## Material Qualification and Substitution

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-CL-9400-006 - Material Qualification and Substitution |
| Parent standard | AF 9400 - Aerospace Manufacturing, Materials & Supply Chain |
| Edition / language | FIRST EDITION / English master text |
| Family | Checklists |
| Primary source anchors | 12; Annex E |
| Suggested local owner | Competent examiner / 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 Keep superseded evidence and decisions traceable.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 Examination basis and criteria

This checklist is an examination aid, not a substitute for the complete source requirements. Examine actual evidence and record each criterion separately on the following page.

**Examination ID, object/baseline, activity, site, date and examiner**

| Criterion | Question to resolve with evidence |
|---|---|
| C01 / Application | Material specification, form, condition and intended use are explicit. |
| C02 / Population | Property evidence represents relevant sources, routes, orientations and ranges. |
| C03 / Values | Typical values, design values and batch acceptance results remain distinct. |
| C04 / Compatibility | Processing, interfaces, degradation and environmental effects are assessed. |
| C05 / Substitution | All affected characteristics and authorities support the exact proposed change. |
| C06 / Circular | Recovered inputs have technical eligibility separate from environmental claims. |

# 2 Criterion-level results and disposition

Use one row for each C01-C06 criterion. Record PASS, FAIL, HOLD or approved N/A with the technical rationale. A blank entry is unexamined. Attach further rows where one criterion contains multiple conditions.

| Criterion / condition | Evidence ID / finding | State / rationale | Gap / owner / action | Reviewer / authority |
|---|---|---|---|---|
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**Overall bounded conclusion, blocked scope and escalation references**

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**Review, authentication reference and follow-up conditions**

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