



ASTRA

AEROSPACE STANDARD

ASSESSMENT CHECKLIST

Aircraft Maintenance and Technical Services - Technical Assessment Checklist

AF-AST-CL-007

FIRST EDITION

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Aviation / Space / Defense / Future systems

Publication identity and use

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Publication and operation	Prepared publication. Actual technical approval, consultation, institutional adoption, operational effectivity and individual scope activation require separate authentic records.

Purpose and application

Requirement-level evaluation of Aircraft Maintenance and Technical Services. Source conditions are reproduced in full; every response requires attributable evidence, sampling and a reasoned conclusion. Family checklists are used with CL-001, the actual profile and all triggered normative annexes.

Source requirements and added implementation detail

The controlling ASTRA source is identified above by content fingerprint. Numbered source clauses and annexes retain their own authority. The retained operating material is restructured and expanded with implementation methods, additional profile controls, worked synthetic examples, decision diagrams and record contracts. Added implementation detail is not presented as an earlier institutional approval or as a change to the supplied core standard. Any additional binding criterion requires the applicable technical adoption process.

The displayed publication date identifies the edition; it is not a fabricated authoring, test, approval or operational date. Actual records retain genuine event times and controlled versions. No named outside organisation or standard is incorporated as a normative reference. AF internal instruments and separate legal or contractual duties remain applicable within their actual scope.

Acceptance boundary

A positive grant requires every applicable mandatory condition to PASS, every N/A to have independent justification, every in-scope nonconformity to be verified closed, and competent independent authority. HOLD, unknown state, missing evidence, a favourable average, a signature image or a completed form cannot substitute for those conditions.

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1 How to use the requirement and child-condition checklist

Apply the following logic to the exact evaluated object and responsible function. A procedural checkpoint, product characteristic, competence decision and public credential are different objects. Their states shall not be collapsed into one score. Source: ASTRA 62.1–62.7 and Annex AL.

State	Sufficient basis	Required next action
PASS	Applicable; current approved predicate met by valid, purpose-specific evidence.	Retain the original evidence and bounded inference. Other mandatory gates still apply.
FAIL	Applicable; valid evidence demonstrates that the approved predicate is not met.	Contain affected use; retain the failure; assess cause, extent and required corrective verification.
HOLD	Applicability, criterion, method, evidence, uncertainty or authority is unresolved.	Resolve the missing basis. Do not manufacture a value, favourable default or product-defect conclusion.
N/A	Activity trigger and retained responsibility are absent; independent exclusion approval exists.	Retain the scope-specific reason and reassess when activity or responsibility changes.
UNSET	Only an uncompleted field in this PDF; not a conformity state.	No conclusion is recorded. Complete review before the field can support a decision.

For a compound source clause, create a child-condition ledger containing every separately testable condition, location, phase and operating mode. A sentence-level checkpoint is a navigation aid, not permission to merge unrelated predicates. Each child receives an ID, responsible owner, criterion, method, source evidence, uncertainty where relevant, current state and independent review. The parent cannot PASS while any mandatory child is FAIL, HOLD or UNSET.

An acceptable measurement interval and an acceptable authority chain are independent prerequisites. Use finite, unit-consistent, unrounded values; negative uncertainty, reversed limits, unknown version or wrong-object evidence produce HOLD. For inclusive [L,H] and accepted interval [a,b], PASS requires $a \geq L$ and $b \leq H$; FAIL requires $b < L$ or $a > H$; otherwise HOLD. Approved one-sided or exclusive boundaries retain their own declared predicate.

Positive-decision conjunction

Every applicable mandatory child is PASS AND each N/A is independently justified AND every in-scope nonconformity is verified closed AND scope, competence, independence and actual authority are valid AND required panel participation and voting rules are satisfied. No average, majority preference or payment supplies missing evidence.

Child-condition ledger and complete population

Stable source clause and child IDs; object, phase/mode, parameters, predicate, evidence, reviewer, actual dates, state and open actions. Use linked controlled continuations rather than hidden scrolling text.

Each source sentence is a separately recordable checkpoint below. Enumerations and compound conditions must additionally be expanded into a local child ledger under Clause 62.1. The printed sentence-level rows preserve source wording; they do not claim to predefine every possible application-specific child. The full relevant source annexes remain mandatory. UNSET is an uncompleted UI field, never an assessment result.

2 Evidence validity and decision sequence

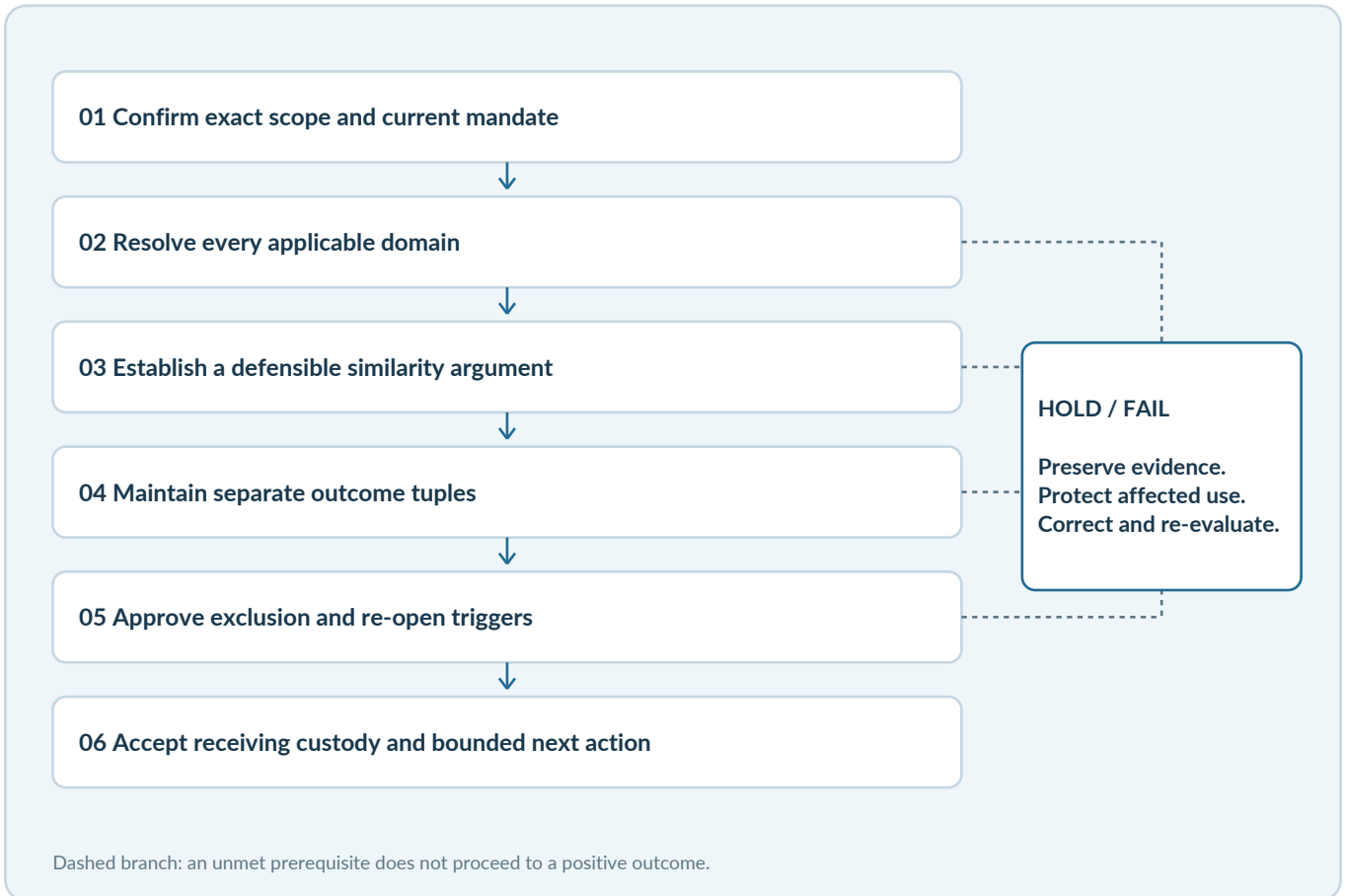
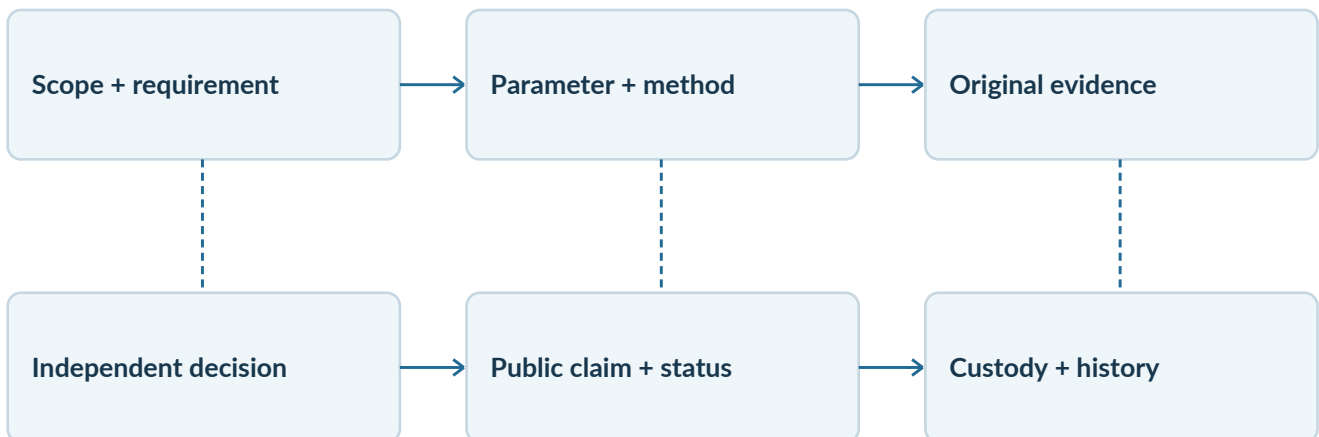


Figure — Implementation sequence for AF-AST-PR-004. Explanatory diagram; the source prerequisites and actual authority remain controlling.



Each relationship carries object identity, controlled version, actual event time and purpose-specific validity.

Figure — Scope-to-custody evidence relationships. A relationship is validated for its decision purpose, not merely because two identifiers exist.

3 Source conditions selected by family and retained responsibility

1.3 – Object and responsibility tuple

Source: AF-AST-STD-001 / FIRST EDITION, p. 10; exact source subclause 1.3.

1. Each application shall identify the responsible legal entity, actual performer, object type, family and module, sites and remote functions, configuration or programme version, lifecycle role, applicable period, criticality, profile and exclusions.	UNSET
2. Products, services, processes, people, supplier scopes, educational programmes, assessment providers and environmental statements are separate objects.	UNSET
3. A combined dossier may share evidence but shall provide a separate conclusion and status history for each claimed object.	UNSET
4. Where a duty is outsourced, the record shall identify both the performer and the organisation retaining accountability.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Complete scope tuple; separate requested outcomes; actual-performer map.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

1.5 – Activity-based applicability

Source: AF-AST-STD-001 / FIRST EDITION, p. 11; exact source subclause 1.5.

1. The applicant shall make a reasoned applicability decision for every common and family requirement.	UNSET
2. Non-applicability requires the actual activity and retained responsibility to be absent, without undermining a claimed outcome.	UNSET
3. Small size, another certificate, customer nomination or outsourcing alone does not justify exclusion.	UNSET
4. A provider that changes from distribution to repair, or from laboratory testing to product certification, shall reassess its scope before making the broader claim.	UNSET
5. Technical reviewers shall approve material exclusions and record the supporting evidence.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Approved applicability matrix; technical rationale; review triggers and version history.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

Evidence / method / parameter / sample references and limits

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7.1 – Function-specific competence

Source: AF-AST-STD-001 / FIRST EDITION, p. 17; exact source subclause 7.1.

1. The operator shall define separate competence requirements for application review, audit leadership, specialist evaluation, sampling, laboratory sign-off, independent review, decisions and appeals.	UNSET
2. Profiles shall state technical fields, methods, criticality, language, professional judgement, evidence interpretation and access permissions.	UNSET
3. A person may hold several roles only when separately qualified and case independence remains valid.	UNSET
4. No generic aerospace assessor designation shall imply mastery of all eight families.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Role profiles; technical authorisation matrix; case coverage check.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

Evidence / method / parameter / sample references and limits

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7.3 – Essential steps and assessment security

Source: AF-AST-STD-001 / FIRST EDITION, p. 17; exact source subclause 7.3.

1. Knowledge and practical criteria shall be fixed before candidate evaluation.	UNSET
2. Every predesignated essential safety, integrity and independence step shall be passed; component scores shall not be averaged to conceal failure.	UNSET
3. Equivalent reassessment shall follow evidenced remediation and preserve earlier attempts.	UNSET
4. Examination questions, scenarios, identity checks and scoring shall be secured and validated.	UNSET
5. An automated score or AI recommendation shall not be the sole authority for a practical competence decision.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Assessment blueprint; component/essential-step results; secured attempts; independent authorisation.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

Evidence / method / parameter / sample references and limits

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7.4 – Initial assessor population

Source: AF-AST-STD-001 / FIRST EDITION, p. 17; exact source subclause 7.4.

1. Where no established ASTRA assessor population exists, at least two independent competent professionals shall assess each candidate against the stated role and technical criteria.	UNSET
2. Their own competence and conflicts shall be documented.	UNSET
3. Comparable prior work may satisfy specified experience elements only after verification; programme knowledge, witnessed performance and independence shall not be waived.	UNSET
4. Honorary titles, reciprocal self-approval and attendance at an introductory meeting shall not create assessor authority.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Initial-panel qualifications; equivalence map; witnessed task; remaining scope restrictions.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

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7.5 – Maintenance and inactivity

Source: AF-AST-STD-001 / FIRST EDITION, p. 18; exact source subclause 7.5.

1. Maintain relevant development, current practice and observed performance at the intervals in Annex D.	UNSET
2. Review poor reports, inconsistent decisions, complaints, new technologies and changes in methods as well as activity counts.	UNSET
3. Failure to meet the applicable role minimum shall suspend independent role use until reviewed supervised reactivation.	UNSET
4. An individual shall notify limitations and request support rather than accept a task outside the authorised scope.	UNSET
5. Restoration does not erase earlier affected-work concerns.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Practice/development logs; witnessed reviews; suspension and reactivation; prior-work assessment.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

Evidence / method / parameter / sample references and limits

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11.3 – Existing evidence and reuse

Source: AF-AST-STD-001 / FIRST EDITION, p. 22; exact source subclause 11.3.

1. Review prior reports, approvals and certificates for authenticity, issuer competence, actual method, site, period, conditions and configuration.	UNSET
2. Identify precisely which requirement and decision use they support and what remains to be evaluated.	UNSET
3. Include adverse results and restrictions.	UNSET
4. Another outcome shall not be declared equivalent solely from a similar title or scope label.	UNSET
5. Evidence reuse may reduce repeated document requests but cannot remove necessary local implementation, witnessing or independent decision.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Reuse matrix; authenticity/scope checks; residual gaps; controlled access to original evidence.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

Evidence / method / parameter / sample references and limits

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12.3 – Method-family witnessing

Source: AF-AST-STD-001 / FIRST EDITION, p. 23; exact source subclause 12.3.

1. Group methods only when common principles, equipment, competence, ranges and failure mechanisms justify representativeness.	UNSET
2. Witness each distinct method or capability family, including material extremes and high-consequence tasks.	UNSET
3. A single demonstration shall not cover unrelated techniques merely because one employee performs them.	UNSET
4. Include the whole relevant task from preparation and identity through data interpretation and reporting.	UNSET
5. Map any unobserved part to valid supplementary evidence or exclude it from the granted scope.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Witnessing plan; family grouping rationale; observed limits; supplementary evidence.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

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13.3 – Witness control

Source: AF-AST-STD-001 / FIRST EDITION, p. 25; exact source subclause 13.3.

1. Record the actual task, date, site, equipment, software, personnel, conditions, method version and acceptance basis.	UNSET
2. Observe essential steps directly where required and prevent coached performance from being misrepresented as routine independent work.	UNSET
3. Controlled simulation is acceptable only where the profile justifies its fidelity and restrictions.	UNSET
4. Live work shall not be made unsafe to create a demonstration.	UNSET
5. A missing essential observation requires supplementary evidence, reassessment or restricted scope, not a presumed pass.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Witness log; essential steps; simulation validity; unobserved-step disposition.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

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14.1 – Finding formulation and classification

Source: AF-AST-STD-001 / FIRST EDITION, p. 25; exact source subclause 14.1.

1. A finding shall identify the exact requirement and version , objective evidence, gap, affected object/site/period and classification rationale.	UNSET
2. Use critical, major, minor and observation categories as defined in Annex G.	UNSET
3. An observation is not a substitute for a demonstrated failure.	UNSET
4. Several local failures may together establish systemic breakdown.	UNSET
5. Determine technical containment separately from administrative grade so that an immediate hazard is not delayed by debate over wording.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Requirement–evidence–gap record; classification; extent and protective decision.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

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14.2 – Immediate protection and notifications

Source: AF-AST-STD-001 / FIRST EDITION, p. 25; exact source subclause 14.2.

1. Upon a credible critical concern, the responsible organisation shall protect people and affected work immediately, preserve evidence and notify required recipients.	UNSET
2. A holder shall notify its operator within 24 hours of awareness; earlier applicable duties remain.	UNSET
3. On a substantiated critical concern, the operator shall suspend the affected status or impose an effective evaluated restriction within 24 hours.	UNSET
4. An independent duty function with a pre-existing mandate may act urgently, followed by prompt independent review.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Awareness and action times; containment; notification/acknowledgement; status decision.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

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14.3 – Occurrence, escape and systemic extent

Source: AF-AST-STD-001 / FIRST EDITION, p. 26; exact source subclause 14.3.

1. The organisation shall determine why the problem occurred and why existing controls did not prevent or detect it.	UNSET
2. Identify affected and potentially affected outputs, sites, learners, reports, suppliers and configurations, including those already delivered.	UNSET
3. Test causal explanations with evidence.	UNSET
4. Training, a revised procedure or blaming an operator alone is not sufficient where workflow, capacity, interface, equipment or management conditions contributed.	UNSET
5. Preserve rejected hypotheses and material uncertainty.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Population trace; tested causes; occurrence/escape controls; systemic review.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

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14.4 – Plans, closure and effectiveness

Source: AF-AST-STD-001 / FIRST EDITION, p. 26; exact source subclause 14.4.

1. Submit a corrective-action plan within 30 calendar days of finding notification.	UNSET
2. Verify major closure within 60 days and minor closure within 90 days, while immediate protection remains separate.	UNSET
3. Define effectiveness criteria and observation exposure before closing.	UNSET
4. Review changes for unintended effects.	UNSET
5. A new finding number, changed owner, amended report or rescheduled plan shall not restart the original clock.	UNSET
6. Missed deadlines trigger the affected status action in Annex H, not an automatic extension.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Accepted plan; original due dates; implementation and effectiveness evidence; verified closure.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

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14.5 – Existing status and new grants

Source: AF-AST-STD-001 / FIRST EDITION, p. 26; exact source subclause 14.5.

1. Initial grants, renewals and extensions require closure of every in-scope nonconformity.	UNSET
2. An existing status may continue with a local minor only after adequate protection, reviewed cause and extent, accepted plan and a reasoned independent conclusion that essential controls remain intact.	UNSET
3. A major compromising ongoing conformity requires suspension, unless an independently demonstrated unaffected scope can be restricted.	UNSET
4. A future promise of correction is not present competence.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Independent continuation/restriction rationale; closed findings for grant; current protection.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

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19.12 – Technical witnessing for accreditation

Source: AF-AST-STD-001 / FIRST EDITION, p. 33; exact source subclause 19.12.

1. The accrediting team shall witness representative activities for every distinct method family or inspection capability and examine a complete application-to-report trail.	UNSET
2. Include adverse work, authorised sign-off, uncertainty, outsourced results and subsequent controls.	UNSET
3. Similar-method grouping requires a written technical rationale.	UNSET
4. An organisational audit with no relevant technical observation is not a completed laboratory or inspection competence evaluation.	UNSET
5. The final scope shall match the actual demonstrated capability, locations and limitations.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Witness coverage; complete case trail; independent scope review; accreditation decision.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

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30.2 – Controlled transition

Source: AF-AST-STD-001 / FIRST EDITION, p. 48; exact source subclause 30.2.

1. For a new profile or substantive version , identify affected holders, evidence gaps, changed methods, competence, system updates, communications and effectivity.	UNSET
2. Set a technically justified transition that does not waive immediate safety duties.	UNSET
3. Preserve the basis of previous decisions and state when additional assessment is needed.	UNSET
4. Neither indefinite grandfathering nor automatic retrospective invalidation is presumed.	UNSET
5. A future requirement is not applied as though it had governed an earlier decision.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Transition plan; holder impact; competence/tool updates; actual effective versions.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

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30.4 – Scope withdrawal and learner/customer protection

Source: AF-AST-STD-001 / FIRST EDITION, p. 48; exact source subclause 30.4.

1. Before closing a profile or provider operation, identify active holders, open cases, pending appeals, unresolved findings, learners, records, status, contracts and financial duties.	UNSET
2. Notify affected parties and arrange lawful transfer or teach-out as relevant.	UNSET
3. A closure shall not erase adverse evidence or imply continued authority.	UNSET
4. Preserve access to historical decisions and correction channels.	UNSET
5. If urgent cessation is required, prioritise protection and accurate communication while completing residual obligations.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Closure plan; affected-party notices; transfer/teach-out; retained records and remedies.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

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31.3 – Actual adoption record

Source: AF-AST-STD-001 / FIRST EDITION, p. 49; exact source subclause 31.3.

1. Record the authenticated legal operator, technical approval, consultation completion, competent institutional adoption, signatories, effective date, applicable instruments and any necessary compatibility amendments.	UNSET
2. Keep edition date distinct from legal or operational effectivity.	UNSET
3. Uncompleted approval fields shall not be filled with assumed names or dates.	UNSET
4. Programme-wide adoption alone shall not activate every listed technical scope; each profile requires the independent readiness and scope decision in Annex P.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Authentic adoption; completed compatibility conditions; individual scope activation.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

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41.2 – Integrated route and hidden characteristics

Source: AF-AST-STD-001 / FIRST EDITION, p. 62; exact source subclause 41.2.

1. The production route shall identify every process stage, branch, handover and external performer that can affect a required characteristic.	UNSET
2. Essential variables shall include relevant preparation and downstream treatment, not only the main machine cycle.	UNSET
3. Qualification shall cover representative materials, geometry, equipment, software, personnel and environmental conditions.	UNSET
4. Final inspection shall not be assumed capable of detecting all latent process defects.	UNSET
5. The route shall preserve failed runs, rework and technical restrictions through product acceptance.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Route and dependency map; qualification matrix; essential variables; hidden-property rationale; original run history.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

Evidence / method / parameter / sample references and limits

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54.4 – Occurrence, escape and affected population

Source: AF-AST-STD-001 / FIRST EDITION, p. 79; exact source subclause 54.4.

1. Investigation shall examine both why an event occurred and why existing controls failed to prevent or detect it.	UNSET
2. The organisation shall preserve original evidence, competing explanations and uncertainty.	UNSET
3. Population tracing shall include already delivered products, services, reports and decisions that share relevant causes.	UNSET
4. Replacing a person or issuing training shall not alone close a systemic weakness in work design, resources, interfaces or measurement.	UNSET
5. Later correction shall not be backdated to legitimise earlier unsupported work.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Occurrence/escape analysis; population and dependency trace; tested causes; historical impact and recipient action.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

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56.5 – Export, migration and meaningful recovery

Source: AF-AST-STD-001 / FIRST EDITION, p. 81; exact source subclause 56.5.

1. Transfer shall preserve readable evidence, identities, versions, field semantics, units, time zones, approvals, relationships and current and historical status.	UNSET
2. Reconciliation shall examine meaning as well as counts; equal file totals may conceal substitutions or missing links.	UNSET
3. Recovery shall distinguish availability from integrity and reconcile events after the selected recovery point.	UNSET
4. A sent archive is not accepted custody.	UNSET
5. The receiving function shall demonstrate usable access and acknowledge continuing duties before dependent cutover.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Export manifest; semantic reconciliation; preserved source; recovery integrity; receiving acceptance and custody.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

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57.1 – Role-specific competence and scope

Source: AF-AST-STD-001 / FIRST EDITION, p. 81; exact source subclause 57.1.

1. The operator shall map actual assessment tasks to verified discipline, method, language, consequence and judgement requirements.	UNSET
2. Audit leadership, technical evaluation, independent review, decisions and appeals shall remain separate authorisations.	UNSET
3. Learning attendance and numerical experience minima shall not replace observed ability.	UNSET
4. A person competent in one method or programme shall not be assigned unrestricted aerospace authority.	UNSET
5. The case plan shall identify necessary specialists and limits before accepting the work.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Task-to-role and person matrix; verified entry evidence; observed performance; bounded authorisation.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

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57.3 – Practical assessment and maintained practice

Source: AF-AST-STD-001 / FIRST EDITION, p. 82; exact source subclause 57.3.

1. Knowledge and practical criteria shall be defined before evaluation.	UNSET
2. Essential safety, integrity and independence steps shall be separately passed.	UNSET
3. Mentored work shall identify what the candidate actually performed and what remained supervised.	UNSET
4. Continuing development, recent practice, observed performance and review feedback shall maintain the authorisation.	UNSET
5. Unmet minima or loss of currency shall suspend independent role use until the required supervised reactivation.	UNSET
6. Later renewal shall not validate prior work performed outside authority.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Blueprint and attempts; mentored-work records; continuing practice; suspension/reactivation; historical impact review.

Acceptance: Apply the prospective child predicates and Annex AL. All applicable mandatory children must PASS; independent N/A approval is required; no positive closure with HOLD, FAIL or missing evidence.

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61.3 – Dependent documents and compatibility

Source: AF-AST-STD-001 / FIRST EDITION, p. 86; exact source subclause 61.3.

1. The responsible custodian shall identify every affected profile, manual, procedure, checklist, form and register before use of this text.	UNSET
2. Existing 108-title architecture and F01–F08 codes shall remain stable.	UNSET
3. Newly added requirements shall be mapped to the actual dependent documents; a previous checklist shall not be assumed to cover them.	UNSET
4. Actual constitutional and legal obligations remain separately applicable.	UNSET

Verify: Reconcile the dependency register against selected requirements and operating versions.

Acceptance: Every required operating document is available, consistent and authorised for the intended use. Unresolved conflicts place dependent use on HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

62.1 – Atomic requirement record

Source: AF-AST-STD-001 / FIRST EDITION, p. 88; exact source subclause 62.1.

1. Each assessed requirement shall have a stable identifier, one accountable owner, an applicability trigger, defined object and configuration, required behaviour or characteristic, observable conditions, verification method and acceptance predicate.

2. Compound statements shall be separated into individually testable rows without deleting any condition.

3. Terms such as adequate, suitable, promptly or representative shall be resolved through the explicit records in this clause before they support an acceptance decision.

Verify: Inspect each requirement row and its linked method, boundary and predicate.

Acceptance: Every applicable row is evaluable without inventing an object, limit, observation or decision role. Unresolved essential terms result in HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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62.3 – Evidence validity before conformity

Source: AF-AST-STD-001 / FIRST EDITION, p. 88; exact source subclause 62.3.

1. The evaluator shall first determine whether evidence belongs to the correct object, configuration, period, method and authorised performer and whether it is usable for the intended inference.

2. Only valid relevant evidence shall enter a conformity predicate.

3. Rejected, corrupted, missing, unobservable or wrong-version evidence shall remain identified.

4. Evidence may be valid and show failure; an invalid test is not a valid pass or a valid proof of product failure.

Verify: Check provenance, configuration, method capability, original data and uncertainty separately from result classification.

Acceptance: Validity is established before PASS or FAIL is assigned; otherwise use HOLD with an explicit invalidity or evidence-gap reason.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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62.4 – Four requirement states

Source: AF-AST-STD-001 / FIRST EDITION, p. 88; exact source subclause 62.4.

1. A requirement state shall be PASS, FAIL, HOLD or N/A.	UNSET
2. PASS means the approved predicate is satisfied by valid evidence.	UNSET
3. FAIL means valid evidence demonstrates that the predicate is not satisfied.	UNSET
4. HOLD means applicability, method, evidence, uncertainty or authority is not sufficiently resolved.	UNSET
5. N/A means the trigger and retained responsibility are absent and independent approval of that exclusion is recorded.	UNSET
6. Missing equipment, budget, access or time shall not justify N/A.	UNSET

Verify: Execute the truth table in Annex AL using actual scope and evidence.

Acceptance: Exactly one current state is assigned with reason and traceable evidence. All earlier states are retained.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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62.5 – No compensation or favourable default

Source: AF-AST-STD-001 / FIRST EDITION, p. 89; exact source subclause 62.5.

1. A positive conformity decision shall require PASS for every applicable mandatory requirement, closure of every in-scope nonconformity, valid independent competence and actual authority.	UNSET
2. N/A rows shall have approved reasons	UNSET
3. HOLD and FAIL rows shall not contribute a favourable default.	UNSET
4. Weighted scores, averages, majority votes, programme membership or good results in another discipline shall not compensate for an unmet condition.	UNSET

Verify: Reconcile the complete requirement population with the decision dossier; test missing and negative cases.

Acceptance: The Boolean conjunction in Annex AL is true. Otherwise no positive grant, renewal or extension is permitted.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

62.7 – Decision replay and consistency

Source: AF-AST-STD-001 / FIRST EDITION, p. 89; exact source subclause 62.7.

- | | |
|--|------------------------------------|
| 1. A decision shall be reproducible from the same frozen requirements, parameter values, original evidence, calculation version, uncertainty model and role assignments. | <input type="text" value="UNSET"/> |
| 2. Two competent reviewers reaching different results shall identify the differing input, predicate, assumption or expertise before closure. | <input type="text" value="UNSET"/> |
| 3. Interpretation records may clarify a term but shall not change limits after results are known. | <input type="text" value="UNSET"/> |
| 4. Equation inputs shall retain unrounded values. | <input type="text" value="UNSET"/> |

Verify: Independently replay a selected boundary case and reconcile every difference.

Acceptance: The replay produces the same supported state, or the case remains HOLD pending a controlled technical resolution.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

63.1 – Domain selection without geographic omission

Source: AF-AST-STD-001 / FIRST EDITION, p. 90; exact source subclause 63.1.

- | | |
|--|------------------------------------|
| 1. The mission owner shall assess every domain in Annex AK and record applicable, not applicable or not yet determined. | <input type="text" value="UNSET"/> |
| 2. The scope shall include terrestrial preparation, launch and recovery interfaces as well as the in-space activity. | <input type="text" value="UNSET"/> |
| 3. Earth orbit, cislunar and libration-region operations, solar and planetary missions, small bodies, ocean-world exploration and interstellar precursor concepts shall not be excluded solely because they differ from conventional satellite operations. | <input type="text" value="UNSET"/> |

Verify: Compare the mission concept and responsibility map with all Annex AK domain rows.

Acceptance: Every domain has a reasoned disposition. Any unassessed domain that can affect a required outcome remains HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

63.3 – Environment, phase and mode matrix

Source: AF-AST-STD-001 / FIRST EDITION, p. 90; exact source subclause 63.3.

- | | |
|--|------------------------------------|
| 1. For each applicable domain, define mission phase, operating mode, intended duration, exposure, interfaces, repairability, accessible evidence and credible degraded states. | <input type="text" value="UNSET"/> |
| 2. Include dormant storage, transport, separation, commissioning, routine service, communication outage, servicing, retirement and loss-of-mission conditions when relevant. | <input type="text" value="UNSET"/> |
| 3. A qualification for one phase shall not automatically cover another phase with different loads, resources or observability. | <input type="text" value="UNSET"/> |

Verify: Review the complete phase-by-mode matrix and its verification links.

Acceptance: Every safety-, mission- or claim-relevant cell has accepted evidence or an explicit restriction; no essential unexamined cell is passed by analogy.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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63.6 – Interface and lifecycle closure

Source: AF-AST-STD-001 / FIRST EDITION, p. 91; exact source subclause 63.6.

- | | |
|---|------------------------------------|
| 1. The scope shall include relevant upstream and downstream duties, including supplied design data, ground services, communications, receiving facilities, environmental custody and long-term records. | <input type="text" value="UNSET"/> |
| 2. Transfers shall identify the sender, receiver, evidence and acceptance. | <input type="text" value="UNSET"/> |
| 3. A contractor delivering one subsystem shall not be made responsible for unrelated mission duties, but an integrator shall not exclude duties it retains because they are performed by others. | <input type="text" value="UNSET"/> |

Verify: Trace each interface to an accountable performer and retained owner.

Acceptance: No essential responsibility, evidence handover or terminal obligation is orphaned.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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64.5 – Heritage and similarity

Source: AF-AST-STD-001 / FIRST EDITION, p. 92; exact source subclause 64.5.

1. A heritage argument shall compare actual design, materials, manufacturing source, mission exposure, software, interfaces and life history.	UNSET
2. Identify unchanged evidence, invalidated evidence and new demonstration.	UNSET
3. Successful service of a related design shall be accepted only for characteristics and mechanisms it actually supports.	UNSET
4. Lack of a recorded failure shall not prove performance of an unmonitored critical characteristic.	UNSET

Verify: Review a difference matrix and trace each retained conclusion to applicable original evidence.

Acceptance: Every material difference has a technical disposition and sufficient evidence before the new claim is accepted.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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68.7 – Status and long-term custody

Source: AF-AST-STD-001 / FIRST EDITION, p. 101; exact source subclause 68.7.

1. Closure shall record whether an asset is operating, restricted, dormant, disposed, lost or unknown using verified evidence and defined meanings.	UNSET
2. Loss of communication shall not be labelled successful disposal.	UNSET
3. Assign remaining notices, monitoring and records to an actual custodian.	UNSET
4. A closed commercial contract does not close an unresolved technical or environmental obligation.	UNSET

Verify: Trace final-state evidence and accepted transfer of residual duties.

Acceptance: Terminal claims match observed or explicitly bounded inferred states, and every continuing duty has a receiving owner.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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73.1 – Population, mission and human tasks

Source: AF-AST-STD-001 / FIRST EDITION, p. 110; exact source subclause 73.1.

1. Define intended occupants, roles, mission duration, environmental conditions, physical access, workload, communication and reasonable variation in users.	UNSET
2. Identify essential tasks and protective actions.	UNSET
3. Validation shall state participant representativeness, assistance, training and limitations; one expert demonstration shall not establish capability for all users.	UNSET

Verify: Review the user/task matrix and representative normal and degraded validation.

Acceptance: Each essential task is demonstrated under its approved conditions; unsupported populations and tasks are excluded from the claim.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

73.5 – Human factors and effective authority

Source: AF-AST-STD-001 / FIRST EDITION, p. 111; exact source subclause 73.5.

1. Displays, alerts and procedures shall identify state, urgency, limitations and required actions without ambiguous mode or priority.	UNSET
2. Workload, fatigue, interruptions, language, delayed feedback and automation bias shall be evaluated.	UNSET
3. A manual override is an effective control only when a person has the information, time, training and physical or technical ability to use it.	UNSET

Verify: Observe representative task and intervention performance, including misleading and degraded information.

Acceptance: Every essential response passes independently; aggregate usability scores do not offset a failed protective task.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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74.7 – Disposition and residual responsibility

Source: AF-AST-STD-001 / FIRST EDITION, p. 113; exact source subclause 74.7.

1. Final disposition shall identify sample, container, residue, facility, record and long-term custody obligations.	UNSET
2. Transfer shall include receiving acceptance and usable evidence.	UNSET
3. Mission completion shall not terminate a continuing protection or scientific-record duty.	UNSET
4. The custodian shall preserve genuine access conditions and correction channels after organisational closure.	UNSET

Verify: Trace final-state evidence and accepted residual duties.

Acceptance: No required custody or protection obligation is abandoned and no unverified disposal is claimed complete.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

75.3 – Essential variables and remote monitoring

Source: AF-AST-STD-001 / FIRST EDITION, p. 114; exact source subclause 75.3.

1. The qualified envelope shall identify influential variables, combinations, tolerances, monitoring performance and reaction rules.	UNSET
2. Retain actual variable histories, interruptions and sensor gaps by output identity.	UNSET
3. Remote telemetry shall support acceptance only for properties and mechanisms demonstrated to be observable or validly inferred.	UNSET
4. A successful process command does not prove the intended material transformation occurred.	UNSET

Verify: Review representative qualification, sensor/model validation and raw production history.

Acceptance: All required variables and output characteristics are supported; an unobservable essential property requires additional evidence or a restricted outcome.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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75.7 – Handover, resource claims and closure

Source: AF-AST-STD-001 / FIRST EDITION, p. 115; exact source subclause 75.7.

1. The final claim shall state actual production, quality, quantity, conditions, uncertainty, exclusions and accepted receiving responsibility.	UNSET
2. Demonstration of a resource process creates no ownership, extraction right or operating permission.	UNSET
3. Waste, residues, hazardous inventories and long-term custody shall have accepted disposition.	UNSET

Verify: Reconcile reported outputs, accepted products, rights/permissions and final-state evidence.

Acceptance: The claim is bounded to measured and accepted achievement; undeveloped scale-up and unknown disposition remain separate.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

77.2 – Campaign design and article pedigree

Source: AF-AST-STD-001 / FIRST EDITION, p. 118; exact source subclause 77.2.

1. Define qualification articles, flight or service articles, specimens, representative differences, prior exposure, fixtures, operating modes and cumulative test sequence.	UNSET
2. Identify which conclusions may be transferred between articles and why.	UNSET
3. Failed tests, repairs and substitutions shall remain in the same historical chain.	UNSET

Verify: Review specimen-to-product and test-to-configuration equivalence records.

Acceptance: All material differences and accumulated effects are evaluated before evidence reuse; unrepresentative essential evidence is not accepted.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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77.3 – Measurement and uncertainty readiness

Source: AF-AST-STD-001 / FIRST EDITION, p. 118; exact source subclause 77.3.

1. Before execution, verify instrument identity, calibration, range, bandwidth, synchronisation, environment, software, raw-data retention and uncertainty suitability.	UNSET
2. Sensor placement and spatial coverage shall represent the characteristic being accepted.	UNSET
3. Protect the article and personnel through separately specified stop conditions.	UNSET

Verify: Inspect the full measurement chain and execute relevant readiness checks.

Acceptance: All required channels are valid for the intended inference; a missing, saturated or misconfigured critical channel prevents that acceptance.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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77.5 – Original data and invalid tests

Source: AF-AST-STD-001 / FIRST EDITION, p. 118; exact source subclause 77.5.

1. Retain actual setup, input and response histories, environmental conditions, interruptions, alarms, raw files, corrections, uncertainty and validity classification.	UNSET
2. An invalid run shall state what evidence remains usable and which requirement is not demonstrated.	UNSET
3. A repaired or changed article shall not silently replace the originally failed configuration.	UNSET

Verify: Reconstruct a selected run from raw data and contemporaneous records.

Acceptance: The run is independently interpretable and no failed, invalid or missing evidence is concealed.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

77.7 – Retest and corrective verification

Source: AF-AST-STD-001 / FIRST EDITION, p. 119; exact source subclause 77.7.

1. Retest shall follow an approved rationale, defined scope and representative configuration.	UNSET
2. It shall preserve the original failure and address causal, exposure and selection effects.	UNSET
3. Repeated trials until a pass occurs are not an acceptance strategy.	UNSET
4. Corrective verification shall include the original failure mode and relevant regression, not merely a new favourable measurement.	UNSET

Verify: Review the retest authorisation, all attempts and failure-to-correction trace.

Acceptance: The original deficiency and affected requirements are demonstrably resolved; otherwise the claim remains failed or held.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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78.4 – Human authority and consequential decisions

Source: AF-AST-STD-001 / FIRST EDITION, p. 120; exact source subclause 78.4.

1. Human oversight shall be validated against available information, response time, competence, workload and control access.	UNSET
2. Automated decision support may organise evidence but shall not independently issue an ASTRA grant, renewal, suspension or restoration.	UNSET
3. Generated observations and citations shall not be presented as authentic source events.	UNSET

Verify: Challenge automation bias, false-source and delayed-intervention scenarios.

Acceptance: Actual authorised people can perform every required role and source evidence remains verifiable; nominal oversight alone is insufficient.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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78.7 – Recovery and semantic portability

Source: AF-AST-STD-001 / FIRST EDITION, p. 121; exact source subclause 78.7.

1. Export and recovery shall preserve identities, scope, configuration, evidence states, decisions, history, units, time basis, permissions and relationships.	UNSET
2. Equal file counts do not establish equal meaning.	UNSET
3. Reconcile events after the recovery point and obtain receiving acceptance before cutover.	UNSET
4. Service availability and evidence-integrity acceptance are separate.	UNSET

Verify: Execute missing-link, wrong-version, interrupted-write, expired-authority and restore tests.

Acceptance: All essential records and relationships are usable and correct; unresolved evidence loss keeps dependent decisions on HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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79.4 – Affected populations and historical decisions

Source: AF-AST-STD-001 / FIRST EDITION, p. 122; exact source subclause 79.4.

1. An event shall be traced to affected configurations, fleet members, materials, methods, software, personnel, reports and prior decisions.	UNSET
2. Determine both occurrence and escape causes and test competing explanations.	UNSET
3. Changing a supplier, restarting a service or training one person shall not by itself close a shared systemic cause.	UNSET

Verify: Inspect end-to-end dependency and look-back analysis with actual notifications.

Acceptance: All materially dependent outputs are addressed; no valid adverse history is erased by later correction.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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79.5 – Terminal evidence and responsible transfer

Source: AF-AST-STD-001 / FIRST EDITION, p. 122; exact source subclause 79.5.

- | | |
|--|-------|
| 1. Terminal-state claims shall specify the exact intended condition, permitted inference, observation method, resources and residual duties. | UNSET |
| 2. Transfer shall preserve custody and receiving acceptance of records, hazardous inventory, notices, monitoring and unresolved remedies. | UNSET |
| 3. A file sent or contract ended is not accepted closure. | UNSET |

Verify: Reconcile final-state evidence, inventory and recipient acknowledgement.

Acceptance: Every required terminal criterion is demonstrated or openly limited, and every remaining duty has an actual receiving owner.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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80.1 – One complete application schedule

Source: AF-AST-STD-001 / FIRST EDITION, p. 124; exact source subclause 80.1.

- | | |
|--|-------|
| 1. The schedule shall join the object tuple, F01–F08 selection, Annex AK domains, phase/mode matrix, required methods, parameter records, competence, evidence, independent decisions and continuing controls. | UNSET |
| 2. All triggers in Annex AO shall be resolved. | UNSET |
| 3. Shared records may be reused after relevance review, but shall not merge distinct objects, outcome classes or actual authority. | UNSET |

Verify: Reconcile the full schedule with Clauses 1, 4, 62 and 63 and Annex C.

Acceptance: No essential scope, parameter, responsibility or evidence field remains undefined before a positive decision.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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80.2 – Domain and verification completeness

Source: AF-AST-STD-001 / FIRST EDITION, p. 124; exact source subclause 80.2.

- | | |
|--|------------------------------------|
| 1. Map every applicable domain and requirement to valid verification and to an accountable conclusion. | <input type="text" value="UNSET"/> |
| 2. Treat domain counts, test counts and completed checklist percentages as planning measures only. | <input type="text" value="UNSET"/> |
| 3. Annex T is not exhaustive of all future methods; a newly discovered material mechanism shall create a controlled additional requirement and evidence task before the affected claim proceeds. | <input type="text" value="UNSET"/> |

Verify: Perform forward and reverse traceability and inspect omitted-domain reasons.

Acceptance: Every applicable condition passes or has a justified approved N/A; no HOLD or FAIL is hidden by a coverage percentage.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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80.3 – Competent independent closure

Source: AF-AST-STD-001 / FIRST EDITION, p. 124; exact source subclause 80.3.

- | | |
|---|------------------------------------|
| 1. The independent reviewer shall have verified technical coverage, lawful evidence access and no prohibited case relationship. | <input type="text" value="UNSET"/> |
| 2. Technical dissent shall be resolved by evidence, corrected scope or further work. | <input type="text" value="UNSET"/> |
| 3. Where a three-person panel is required, all three eligible members shall participate and the established vote rule shall apply only after the technical gates are satisfied. | <input type="text" value="UNSET"/> |

Verify: Check competence, conflict, access, panel and reasoned decision records.

Acceptance: Both the technical conjunction and applicable authority/panel rules pass; a vote cannot cure absent evidence.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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80.5 – Continuing conformity and change

Source: AF-AST-STD-001 / FIRST EDITION, p. 124; exact source subclause 80.5.

1. Maintain surveillance, technical validity, people, resources, configuration, monitoring and actual state history under the controlling clocks.	UNSET
2. Mission, environment, population or technology changes shall trigger impact review before expanded reliance.	UNSET
3. Restoration shall preserve expiry unless a full renewal has occurred and shall not validate the suspended interval.	UNSET

Verify: Audit actual completion, change and status records rather than scheduled dates alone.

Acceptance: The current claim remains fully supported; overdue or invalidated conditions trigger the applicable restriction, suspension or withdrawal.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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4 Retained subject controls and added R07–R12 extensions

F06-M01 – Line maintenance

Line-maintenance capability for identified aircraft types or technically justified families at named stations, including planned checks, defect assessment, permitted rectification and aircraft-on-ground support. The object is the organisation's demonstrated station/type/task capability, not the aircraft's airworthiness or an individual release.

Claim boundary: Capability recognition neither authorises flight nor grants all aircraft types, all line stations, a personal maintenance licence or design privileges.

F06-M01-R01 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Confirm each included station has actual permissions, current data, competent authorised personnel, suitable facilities and tools for every declared task; headquarters readiness cannot substitute.	UNSET
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Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M01-R02 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Plan the work from the actual aircraft identity, configuration, defect history, applicable task instructions and life limitations; resolve ambiguous data before dependent work.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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F06-M01-R03 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Control parts eligibility, storage, serial history, calibration and the removal of tools and temporary equipment; document shortages rather than improvise an unsupported substitute.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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F06-M01-R04 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Record task performance and inspections contemporaneously, including interruptions, shift handovers, inaccessible features, unfinished conditions and assistance provided.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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F06-M01-R05 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Keep defect disposition, independent checks, maintenance release and ASTRA capability decisions separate; release is performed only by the actually authorised function.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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F06-M01-R06 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Assess adverse work and station-specific changes, retain customer notifications and verify restored capability before claiming a new task, aircraft family or station.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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F06-M01-R07 – Mission and environment transfer

New implementation detail aligned with ASTRA 62.1–62.2; 63.2–63.6; 64.1–64.6

1. For line maintenance, define the qualified or evaluated envelope for line-maintenance station/type/task capability.

UNSET

2. Compare the intended mission, material, site, configuration and phase/mode with the actual evidence.

UNSET

3. Identify material differences and allocate new demonstration before relying on heritage or terrestrial qualification.

UNSET

Verify: Inspect the difference matrix, environmental inputs, owner approvals and requirement-to-method links.

Acceptance: PASS only when every influential difference is either bounded by valid retained evidence or closed by accepted additional demonstration. Missing essential transfer evidence is HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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F06-M01-R08 – Essential properties and observability

New implementation detail aligned with ASTRA 62.3–62.5; 77.1–77.6

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|---|-------|
| 1. Identify the failure and evidence risks specific to this subject: an urgent aircraft-on-ground request can conceal missing local task authority or current data. | UNSET |
| 2. State which critical properties are directly observed, measured, inferred using a validated model or unknown. | UNSET |
| 3. Allocate separate child predicates for each hidden property and each essential protective function. | UNSET |

Verify: Review detection capability, raw observations, model validity and limitations against each claimed property.

Acceptance: A valid observation supports only its demonstrated property and domain. An unobservable essential condition is HOLD, not a favourable default or a proven product defect.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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F06-M01-R09 – Configuration and data identity

New implementation detail aligned with ASTRA 33.3–33.4; 56.1–56.5; 62.7; 78.7

- | | |
|--|-------|
| 1. Bind line-maintenance station/type/task capability to actual configuration, controlled technical data, source/lot or record identity, equipment and software state, authorised performer and actual event time. | UNSET |
| 2. Preserve failed runs, changed objects and prior evidence through any digital transfer. | UNSET |

Verify: Replay one result from original records and verify event-time authority, method version and the evaluated-to-delivered relationship.

Acceptance: PASS requires reproducible identity and valid links for the actual claim. Wrong configuration, stale state, inaccessible evidence or an unverified substituted record is HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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F06-M01-R10 – Subject-specific adverse demonstration

New implementation detail aligned with ASTRA 62.6–62.7; 77.5–77.8; Annex AP

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|---|-------|
| 1. Challenge the following mechanism through a safe authorised test, independent record review or controlled simulation appropriate to this subject: trace an actual local work package and interrupted shift handover into independent release checks. | UNSET |
| 2. Define the expected outcome before execution, retain original failures and repeat the failed case after correction. | UNSET |

Verify: Compare prospective expectations, actual observations, conditions, evidence, defect disposition and relevant regression.

Acceptance: Every essential adverse scenario must have valid accepted evidence. A scripted teaching example is not actual qualification; unavailable required observation remains HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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F06-M01-R11 — Receiving interface and bounded output

New implementation detail aligned with ASTRA 32.5; 48.4–48.6; 63.6; 80.4

1. Deliver the bounded output to authorised local release function and operator recipient.	UNSET
2. Reconcile identity, configuration, conditions, unresolved limitations, technical eligibility, remaining duties and readable evidence.	UNSET
3. Identify the actual performer and the organisation retaining acceptance responsibility.	UNSET

Verify: Check the sending manifest, actual recipient access, acknowledgement, restrictions and remaining action owners.

Acceptance: Transfer is complete only after the necessary receiving acceptance is authentic. Sending a file, reconciling quantity or generating a certificate does not establish technical eligibility.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M01-R12 — Independent release and continuing validity

New implementation detail aligned with ASTRA 15.1–15.5; 16.1–16.6; 62.4–62.7; 80.1–80.6

1. Evaluate F06-M01 independently within its declared object and outcome class.	UNSET
2. Reconcile the original R01–R06 controls with R07–R11, applicable source requirements, prospective parameters, findings and actual authority.	UNSET
3. Monitor the subject-specific changes stated in this profile and reopen affected conclusions when the evidence changes.	UNSET

Verify: Independently replay the final predicate and inspect scope, exclusions, competence, conflict clearance, findings closure and event history.

Acceptance: No positive grant, renewal or extension while any applicable mandatory child is FAIL, HOLD or UNSET. N/A requires independent scope justification; technical concessions remain separate from conformity.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M02 — Base maintenance

Base-maintenance capability for named facilities and aircraft/type/task combinations, covering coordinated multi-discipline work, access and structural/cabin/system tasks, inspections, reassembly and controlled customer handover. Subcontracted work remains assigned to its actual performer.

Claim boundary: A base-maintenance result is not approval to design repairs, certify an internal training centre or accredit every laboratory method used in the package.

F06-M02-R01 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Establish facility-specific capability for the intended work, including access equipment, environmental conditions, current technical data and sufficient independent inspection resources.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M02-R02 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Build a task-linked maintenance package with sequence, concealed-work hold points, applicable limitations, subcontracted specialist operations and evidence required before closure.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M02-R03 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Maintain aircraft, component, software and modification identities throughout disassembly, inspection, repair and reassembly; removed and installed positions must reconcile.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M02-R04 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Control extended interruptions and parallel work so unfinished tasks, removed protections and temporary installations cannot be mistaken for completed configuration.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M02-R05 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Evaluate repairs, substitutions, failed tests and additional findings using the actual authorised technical basis; preserve original defects and every repeated examination.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M02-R06 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Reconcile all tasks and independent checks at final review, verify restored protections and final configuration, and issue the separate authorised maintenance release and receiving information.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M02-R07 — Mission and environment transfer

New implementation detail aligned with ASTRA 62.1–62.2; 63.2–63.6; 64.1–64.6

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|---|-------|
| 1. For base maintenance, define the qualified or evaluated envelope for base-maintenance task packages and configuration. | UNSET |
| 2. Compare the intended mission, material, site, configuration and phase/mode with the actual evidence. | UNSET |
| 3. Identify material differences and allocate new demonstration before relying on heritage or terrestrial qualification. | UNSET |

Verify: Inspect the difference matrix, environmental inputs, owner approvals and requirement-to-method links.

Acceptance: PASS only when every influential difference is either bounded by valid retained evidence or closed by accepted additional demonstration. Missing essential transfer evidence is HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M02-R08 — Essential properties and observability

New implementation detail aligned with ASTRA 62.3–62.5; 77.1–77.6

- | | |
|--|-------|
| 1. Identify the failure and evidence risks specific to this subject: concurrent packages can conceal incomplete independent checks or conflicting modification states. | UNSET |
| 2. State which critical properties are directly observed, measured, inferred using a validated model or unknown. | UNSET |
| 3. Allocate separate child predicates for each hidden property and each essential protective function. | UNSET |

Verify: Review detection capability, raw observations, model validity and limitations against each claimed property.

Acceptance: A valid observation supports only its demonstrated property and domain. An unobservable essential condition is HOLD, not a favourable default or a proven product defect.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M02-R09 – Configuration and data identity

New implementation detail aligned with ASTRA 33.3–33.4; 56.1–56.5; 62.7; 78.7

1. Bind base-maintenance task packages and configuration to actual configuration, controlled technical data, source/lot or record identity, equipment and software state, authorised performer and actual event time.

UNSET

2. Preserve failed runs, changed objects and prior evidence through any digital transfer.

UNSET

Verify: Replay one result from original records and verify event-time authority, method version and the evaluated-to-delivered relationship.

Acceptance: PASS requires reproducible identity and valid links for the actual claim. Wrong configuration, stale state, inaccessible evidence or an unverified substituted record is HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M02-R10 – Subject-specific adverse demonstration

New implementation detail aligned with ASTRA 62.6–62.7; 77.5–77.8; Annex AP

1. Challenge the following mechanism through a safe authorised test, independent record review or controlled simulation appropriate to this subject: reconcile work stages, final installed configuration, open tasks and restored protective functions.

UNSET

2. Define the expected outcome before execution, retain original failures and repeat the failed case after correction.

UNSET

Verify: Compare prospective expectations, actual observations, conditions, evidence, defect disposition and relevant regression.

Acceptance: Every essential adverse scenario must have valid accepted evidence. A scripted teaching example is not actual qualification; unavailable required observation remains HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M02-R11 – Receiving interface and bounded output

New implementation detail aligned with ASTRA 32.5; 48.4–48.6; 63.6; 80.4

1. Deliver the bounded output to base-maintenance release authority and asset operator.

UNSET

2. Reconcile identity, configuration, conditions, unresolved limitations, technical eligibility, remaining duties and readable evidence.

UNSET

3. Identify the actual performer and the organisation retaining acceptance responsibility.

UNSET

Verify: Check the sending manifest, actual recipient access, acknowledgement, restrictions and remaining action owners.

Acceptance: Transfer is complete only after the necessary receiving acceptance is authentic. Sending a file, reconciling quantity or generating a certificate does not establish technical eligibility.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M02-R12 — Independent release and continuing validity

New implementation detail aligned with ASTRA 15.1–15.5; 16.1–16.6; 62.4–62.7; 80.1–80.6

1. Evaluate F06-M02 independently within its declared object and outcome class.	UNSET
2. Reconcile the original R01–R06 controls with R07–R11, applicable source requirements, prospective parameters, findings and actual authority.	UNSET
3. Monitor the subject-specific changes stated in this profile and reopen affected conclusions when the evidence changes.	UNSET

Verify: Independently replay the final predicate and inspect scope, exclusions, competence, conflict clearance, findings closure and event history.

Acceptance: No positive grant, renewal or extension while any applicable mandatory child is FAIL, HOLD or UNSET. N/A requires independent scope justification; technical concessions remain separate from conformity.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M03 — Engine and APU services

Maintenance, repair, overhaul and technical services for specified engine and auxiliary-power-unit families, configurations, modules and tasks. Scope distinguishes workshop capability, external special processes, controlled test-cell activity and the final authorised service result.

Claim boundary: No propulsion design settings, hazardous operating recipe, unrestricted engine approval or reset of accumulated service life is supplied by this profile.

F06-M03-R01 — Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Verify the declared engine/APU task capability against current data, trained and authorised people, suitable tooling, facilities and actual approval interfaces.	UNSET
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Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M03-R02 — Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Preserve component and life-limited-part histories during strip, inspection, repair, exchange and reassembly; an unknown history cannot be reset by overhaul.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M03-R03 — Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Link outside heat treatment, surface treatment, joining, machining or NDT to the actual item and the relevant qualified process or demonstrated method capability.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M03-R04 — Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Control critical assembly, settings and loaded configurations with required independent checks and records before features become inaccessible.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M03-R05 — Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Where testing is included, establish approved technical acceptance and separate protective-stop criteria, competent authorised specialists, valid instrumentation and original adverse-run history.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M03-R06 — Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Reconcile build status, test validity, life records, preservation, remaining limitations and actual release authority before handover; a passing performance run does not establish every life or origin claim.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M03-R07 — Mission and environment transfer

New implementation detail aligned with ASTRA 62.1–62.2; 63.2–63.6; 64.1–64.6

1. For engine and apu services, define the qualified or evaluated envelope for engine/APU family, life and process history.

UNSET

2. Compare the intended mission, material, site, configuration and phase/mode with the actual evidence.

UNSET

3. Identify material differences and allocate new demonstration before relying on heritage or terrestrial qualification.

UNSET

Verify: Inspect the difference matrix, environmental inputs, owner approvals and requirement-to-method links.

Acceptance: PASS only when every influential difference is either bounded by valid retained evidence or closed by accepted additional demonstration. Missing essential transfer evidence is HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M03-R08 — Essential properties and observability

New implementation detail aligned with ASTRA 62.3–62.5; 77.1–77.6

- | | |
|--|-------|
| 1. Identify the failure and evidence risks specific to this subject: a successful performance run can conceal incomplete critical-part origin or life history. | UNSET |
| 2. State which critical properties are directly observed, measured, inferred using a validated model or unknown. | UNSET |
| 3. Allocate separate child predicates for each hidden property and each essential protective function. | UNSET |

Verify: Review detection capability, raw observations, model validity and limitations against each claimed property.

Acceptance: A valid observation supports only its demonstrated property and domain. An unobservable essential condition is HOLD, not a favourable default or a proven product defect.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M03-R09 — Configuration and data identity

New implementation detail aligned with ASTRA 33.3–33.4; 56.1–56.5; 62.7; 78.7

- | | |
|--|-------|
| 1. Bind engine/APU family, life and process history to actual configuration, controlled technical data, source/lot or record identity, equipment and software state, authorised performer and actual event time. | UNSET |
| 2. Preserve failed runs, changed objects and prior evidence through any digital transfer. | UNSET |

Verify: Replay one result from original records and verify event-time authority, method version and the evaluated-to-delivered relationship.

Acceptance: PASS requires reproducible identity and valid links for the actual claim. Wrong configuration, stale state, inaccessible evidence or an unverified substituted record is HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M03-R10 — Subject-specific adverse demonstration

New implementation detail aligned with ASTRA 62.6–62.7; 77.5–77.8; Annex AP

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|---|-------|
| 1. Challenge the following mechanism through a safe authorised test, independent record review or controlled simulation appropriate to this subject: trace module/part genealogy, approved repair route and qualified tests before release. | UNSET |
| 2. Define the expected outcome before execution, retain original failures and repeat the failed case after correction. | UNSET |

Verify: Compare prospective expectations, actual observations, conditions, evidence, defect disposition and relevant regression.

Acceptance: Every essential adverse scenario must have valid accepted evidence. A scripted teaching example is not actual qualification; unavailable required observation remains HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M03-R11 — Receiving interface and bounded output

New implementation detail aligned with ASTRA 32.5; 48.4–48.6; 63.6; 80.4

1. Deliver the bounded output to engine/APU release authority and continuing asset custodian.	UNSET
2. Reconcile identity, configuration, conditions, unresolved limitations, technical eligibility, remaining duties and readable evidence.	UNSET
3. Identify the actual performer and the organisation retaining acceptance responsibility.	UNSET

Verify: Check the sending manifest, actual recipient access, acknowledgement, restrictions and remaining action owners.

Acceptance: Transfer is complete only after the necessary receiving acceptance is authentic. Sending a file, reconciling quantity or generating a certificate does not establish technical eligibility.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M03-R12 — Independent release and continuing validity

New implementation detail aligned with ASTRA 15.1–15.5; 16.1–16.6; 62.4–62.7; 80.1–80.6

1. Evaluate F06-M03 independently within its declared object and outcome class.	UNSET
2. Reconcile the original R01–R06 controls with R07–R11, applicable source requirements, prospective parameters, findings and actual authority.	UNSET
3. Monitor the subject-specific changes stated in this profile and reopen affected conclusions when the evidence changes.	UNSET

Verify: Independently replay the final predicate and inspect scope, exclusions, competence, conflict clearance, findings closure and event history.

Acceptance: No positive grant, renewal or extension while any applicable mandatory child is FAIL, HOLD or UNSET. N/A requires independent scope justification; technical concessions remain separate from conformity.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M04 — Component maintenance

Maintenance of specified mechanical, electrical, electronic, hydraulic, pneumatic or other aerospace components at named facilities and within declared tasks. Repairability, test capability and installation eligibility are separately established.

Claim boundary: A bench pass does not establish suitability for every installation, restore missing life history or accredit the component laboratory automatically.

F06-M04-R01 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Identify the exact component and task scope and verify the data, tools, test interfaces, personnel and permissions needed before accepting work.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M04-R02 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Connect receipt condition, reported defect, installed software or settings, prior repairs and relevant life history to the actual serialised item.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M04-R03 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Use only authorised repair and substitution routes; control replacement parts, ESD or cleanliness-sensitive steps and hidden assembly characteristics as applicable.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M04-R04 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Validate benches, adapters, software and measurement chains for the required functions, ranges and uncertainties; a powered bench is not proof of method suitability.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M04-R05 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Retain failed, invalid and repeated tests, justify the changed configuration and use prospective acceptance criteria rather than repeat until a favourable result appears.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M04-R06 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Issue a task- and configuration-specific release through the actual authorised function, with limitations and custody information; keep component acceptance distinct from installed-aircraft compatibility.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M04-R07 — Mission and environment transfer

New implementation detail aligned with ASTRA 62.1–62.2; 63.2–63.6; 64.1–64.6

- | | |
|---|-------|
| 1. For component maintenance, define the qualified or evaluated envelope for component maintenance and technical eligibility. | UNSET |
| 2. Compare the intended mission, material, site, configuration and phase/mode with the actual evidence. | UNSET |
| 3. Identify material differences and allocate new demonstration before relying on heritage or terrestrial qualification. | UNSET |

Verify: Inspect the difference matrix, environmental inputs, owner approvals and requirement-to-method links.

Acceptance: PASS only when every influential difference is either bounded by valid retained evidence or closed by accepted additional demonstration. Missing essential transfer evidence is HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M04-R08 — Essential properties and observability

New implementation detail aligned with ASTRA 62.3–62.5; 77.1–77.6

- | | |
|--|-------|
| 1. Identify the failure and evidence risks specific to this subject: bench operation can be mistaken for serviceability in every installation or life condition. | UNSET |
| 2. State which critical properties are directly observed, measured, inferred using a validated model or unknown. | UNSET |
| 3. Allocate separate child predicates for each hidden property and each essential protective function. | UNSET |

Verify: Review detection capability, raw observations, model validity and limitations against each claimed property.

Acceptance: A valid observation supports only its demonstrated property and domain. An unobservable essential condition is HOLD, not a favourable default or a proven product defect.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M04-R09 – Configuration and data identity

New implementation detail aligned with ASTRA 33.3–33.4; 56.1–56.5; 62.7; 78.7

1. Bind component maintenance and technical eligibility to actual configuration, controlled technical data, source/lot or record identity, equipment and software state, authorised performer and actual event time.

UNSET

2. Preserve failed runs, changed objects and prior evidence through any digital transfer.

UNSET

Verify: Replay one result from original records and verify event-time authority, method version and the evaluated-to-delivered relationship.

Acceptance: PASS requires reproducible identity and valid links for the actual claim. Wrong configuration, stale state, inaccessible evidence or an unverified substituted record is HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M04-R10 – Subject-specific adverse demonstration

New implementation detail aligned with ASTRA 62.6–62.7; 77.5–77.8; Annex AP

1. Challenge the following mechanism through a safe authorised test, independent record review or controlled simulation appropriate to this subject: reconcile component identity, configuration, history, actual repair and installation limitations.

UNSET

2. Define the expected outcome before execution, retain original failures and repeat the failed case after correction.

UNSET

Verify: Compare prospective expectations, actual observations, conditions, evidence, defect disposition and relevant regression.

Acceptance: Every essential adverse scenario must have valid accepted evidence. A scripted teaching example is not actual qualification; unavailable required observation remains HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M04-R11 – Receiving interface and bounded output

New implementation detail aligned with ASTRA 32.5; 48.4–48.6; 63.6; 80.4

1. Deliver the bounded output to component release authority and installing organisation.

UNSET

2. Reconcile identity, configuration, conditions, unresolved limitations, technical eligibility, remaining duties and readable evidence.

UNSET

3. Identify the actual performer and the organisation retaining acceptance responsibility.

UNSET

Verify: Check the sending manifest, actual recipient access, acknowledgement, restrictions and remaining action owners.

Acceptance: Transfer is complete only after the necessary receiving acceptance is authentic. Sending a file, reconciling quantity or generating a certificate does not establish technical eligibility.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M04-R12 — Independent release and continuing validity

New implementation detail aligned with ASTRA 15.1–15.5; 16.1–16.6; 62.4–62.7; 80.1–80.6

1. Evaluate F06-M04 independently within its declared object and outcome class.	UNSET
2. Reconcile the original R01–R06 controls with R07–R11, applicable source requirements, prospective parameters, findings and actual authority.	UNSET
3. Monitor the subject-specific changes stated in this profile and reopen affected conclusions when the evidence changes.	UNSET

Verify: Independently replay the final predicate and inspect scope, exclusions, competence, conflict clearance, findings closure and event history.

Acceptance: No positive grant, renewal or extension while any applicable mandatory child is FAIL, HOLD or UNSET. N/A requires independent scope justification; technical concessions remain separate from conformity.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M05 — Structures, cabin and modification embodiment

Capability to embody approved structural, cabin, system and modification work within named facilities, aircraft or component families and defined tasks. Engineering design approval and physical embodiment remain separate responsibilities.

Claim boundary: ASTRA recognition of embodiment capability does not confer repair design authority or establish approval of an unassessed modification.

F06-M05-R01 — Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Confirm the actual design authority and applicable approved data for each repair or modification; identify which decisions the maintenance organisation may and may not make.	UNSET
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Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M05-R02 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

 1. Assess the work package for material identity, critical dimensions, hidden damage, inspection access, qualified processes and required verification before concealment. UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M05-R03 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

 1. Control structural bonding, composites, joining and surface preparation through their actual qualified envelopes and competent task personnel, not a generic maintenance label. UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M05-R04 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

 1. Examine effects of cabin or system changes on structural attachment, electrical supply, thermal behaviour, fire-related requirements, access and human interfaces as triggered by the approved basis. UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M05-R05 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Retain as-found, intermediate and as-embodied records, deviations, approved dispositions and independent checks; an unauthorised local change cannot be hidden in an as-built drawing.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M05-R06 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Update affected configuration, maintenance instructions, parts and training information and reconcile the final release with the approved embodiment and its remaining limitations.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M05-R07 – Mission and environment transfer

New implementation detail aligned with ASTRA 62.1–62.2; 63.2–63.6; 64.1–64.6

1. For structures, cabin and modification embodiment, define the qualified or evaluated envelope for structure, cabin and modification embodiment.

UNSET

2. Compare the intended mission, material, site, configuration and phase/mode with the actual evidence.

UNSET

3. Identify material differences and allocate new demonstration before relying on heritage or terrestrial qualification.

UNSET

Verify: Inspect the difference matrix, environmental inputs, owner approvals and requirement-to-method links.

Acceptance: PASS only when every influential difference is either bounded by valid retained evidence or closed by accepted additional demonstration. Missing essential transfer evidence is HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M05-R08 — Essential properties and observability

New implementation detail aligned with ASTRA 62.3–62.5; 77.1–77.6

- | | |
|---|------------------------------------|
| 1. Identify the failure and evidence risks specific to this subject: embodiment records can be mistaken for approval of the underlying design change. | <input type="text" value="UNSET"/> |
| 2. State which critical properties are directly observed, measured, inferred using a validated model or unknown. | <input type="text" value="UNSET"/> |
| 3. Allocate separate child predicates for each hidden property and each essential protective function. | <input type="text" value="UNSET"/> |

Verify: Review detection capability, raw observations, model validity and limitations against each claimed property.

Acceptance: A valid observation supports only its demonstrated property and domain. An unobservable essential condition is HOLD, not a favourable default or a proven product defect.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M05-R09 — Configuration and data identity

New implementation detail aligned with ASTRA 33.3–33.4; 56.1–56.5; 62.7; 78.7

- | | |
|---|------------------------------------|
| 1. Bind structure, cabin and modification embodiment to actual configuration, controlled technical data, source/lot or record identity, equipment and software state, authorised performer and actual event time. | <input type="text" value="UNSET"/> |
| 2. Preserve failed runs, changed objects and prior evidence through any digital transfer. | <input type="text" value="UNSET"/> |

Verify: Replay one result from original records and verify event-time authority, method version and the evaluated-to-delivered relationship.

Acceptance: PASS requires reproducible identity and valid links for the actual claim. Wrong configuration, stale state, inaccessible evidence or an unverified substituted record is HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M05-R10 — Subject-specific adverse demonstration

New implementation detail aligned with ASTRA 62.6–62.7; 77.5–77.8; Annex AP

- | | |
|--|------------------------------------|
| 1. Challenge the following mechanism through a safe authorised test, independent record review or controlled simulation appropriate to this subject: verify approved design data, concealed installation checks and affected support instructions. | <input type="text" value="UNSET"/> |
| 2. Define the expected outcome before execution, retain original failures and repeat the failed case after correction. | <input type="text" value="UNSET"/> |

Verify: Compare prospective expectations, actual observations, conditions, evidence, defect disposition and relevant regression.

Acceptance: Every essential adverse scenario must have valid accepted evidence. A scripted teaching example is not actual qualification; unavailable required observation remains HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M05-R11 — Receiving interface and bounded output

New implementation detail aligned with ASTRA 32.5; 48.4–48.6; 63.6; 80.4

1. Deliver the bounded output to embodiment release function and actual design authority.	UNSET
2. Reconcile identity, configuration, conditions, unresolved limitations, technical eligibility, remaining duties and readable evidence.	UNSET
3. Identify the actual performer and the organisation retaining acceptance responsibility.	UNSET

Verify: Check the sending manifest, actual recipient access, acknowledgement, restrictions and remaining action owners.

Acceptance: Transfer is complete only after the necessary receiving acceptance is authentic. Sending a file, reconciling quantity or generating a certificate does not establish technical eligibility.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M05-R12 — Independent release and continuing validity

New implementation detail aligned with ASTRA 15.1–15.5; 16.1–16.6; 62.4–62.7; 80.1–80.6

1. Evaluate F06-M05 independently within its declared object and outcome class.	UNSET
2. Reconcile the original R01–R06 controls with R07–R11, applicable source requirements, prospective parameters, findings and actual authority.	UNSET
3. Monitor the subject-specific changes stated in this profile and reopen affected conclusions when the evidence changes.	UNSET

Verify: Independently replay the final predicate and inspect scope, exclusions, competence, conflict clearance, findings closure and event history.

Acceptance: No positive grant, renewal or extension while any applicable mandatory child is FAIL, HOLD or UNSET. N/A requires independent scope justification; technical concessions remain separate from conformity.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M06 — Technical asset support

Advisory and record-based asset services such as planning, reliability analysis, technical records review, fleet or lease transitions, procurement support and aircraft-on-ground coordination. Direct maintenance and release privileges are not implied by advice.

Claim boundary: Technical support is not maintenance release, aircraft operating approval, a guarantee of future reliability or authority to extend an asset life limit.

F06-M06-R01 — Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. State whether each output is advice, an engineering analysis, a records conclusion or coordinated service; identify the party retaining operational and release authority.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M06-R02 — Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Verify asset identity, source entitlement, configuration, history and completeness before relying on customer or platform data; record conflicting and missing information explicitly.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M06-R03 — Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Validate analysis, calculation or predictive tools for the actual purpose and explain assumptions, uncertainty, exposure and limits of inference.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M06-R04 — Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Provide competent independent technical review for advice affecting safety, life or configuration and communicate unresolved essential conditions rather than commercially convenient conclusions.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M06-R05 — Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. When arranging urgent support or parts, verify actual provider capability and item eligibility; urgency, availability or an expedited shipment cannot close missing technical evidence.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M06-R06 — Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Preserve advice versions, recipients, corrections, residual duties and usable custody during fleet, lease or provider transitions; a transfer report does not make missing historical records authentic.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M06-R07 — Mission and environment transfer

New implementation detail aligned with ASTRA 62.1–62.2; 63.2–63.6; 64.1–64.6

- | | |
|--|------------------------------------|
| 1. For technical asset support, define the qualified or evaluated envelope for technical asset advice and evidence continuity. | <input type="text" value="UNSET"/> |
| 2. Compare the intended mission, material, site, configuration and phase/mode with the actual evidence. | <input type="text" value="UNSET"/> |
| 3. Identify material differences and allocate new demonstration before relying on heritage or terrestrial qualification. | <input type="text" value="UNSET"/> |

Verify: Inspect the difference matrix, environmental inputs, owner approvals and requirement-to-method links.

Acceptance: PASS only when every influential difference is either bounded by valid retained evidence or closed by accepted additional demonstration. Missing essential transfer evidence is HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M06-R08 — Essential properties and observability

New implementation detail aligned with ASTRA 62.3–62.5; 77.1–77.6

- | | |
|--|------------------------------------|
| 1. Identify the failure and evidence risks specific to this subject: a predictive estimate can conceal missing history or an unvalidated model domain. | <input type="text" value="UNSET"/> |
| 2. State which critical properties are directly observed, measured, inferred using a validated model or unknown. | <input type="text" value="UNSET"/> |
| 3. Allocate separate child predicates for each hidden property and each essential protective function. | <input type="text" value="UNSET"/> |

Verify: Review detection capability, raw observations, model validity and limitations against each claimed property.

Acceptance: A valid observation supports only its demonstrated property and domain. An unobservable essential condition is HOLD, not a favourable default or a proven product defect.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M06-R09 – Configuration and data identity

New implementation detail aligned with ASTRA 33.3–33.4; 56.1–56.5; 62.7; 78.7

1. Bind technical asset advice and evidence continuity to actual configuration, controlled technical data, source/lot or record identity, equipment and software state, authorised performer and actual event time.

UNSET

2. Preserve failed runs, changed objects and prior evidence through any digital transfer.

UNSET

Verify: Replay one result from original records and verify event-time authority, method version and the evaluated-to-delivered relationship.

Acceptance: PASS requires reproducible identity and valid links for the actual claim. Wrong configuration, stale state, inaccessible evidence or an unverified substituted record is HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M06-R10 – Subject-specific adverse demonstration

New implementation detail aligned with ASTRA 62.6–62.7; 77.5–77.8; Annex AP

1. Challenge the following mechanism through a safe authorised test, independent record review or controlled simulation appropriate to this subject: reconstruct advice from actual configuration, data quality, assumptions and independent technical review.

UNSET

2. Define the expected outcome before execution, retain original failures and repeat the failed case after correction.

UNSET

Verify: Compare prospective expectations, actual observations, conditions, evidence, defect disposition and relevant regression.

Acceptance: Every essential adverse scenario must have valid accepted evidence. A scripted teaching example is not actual qualification; unavailable required observation remains HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M06-R11 – Receiving interface and bounded output

New implementation detail aligned with ASTRA 32.5; 48.4–48.6; 63.6; 80.4

1. Deliver the bounded output to advisory technical lead and accepting asset decision maker.

UNSET

2. Reconcile identity, configuration, conditions, unresolved limitations, technical eligibility, remaining duties and readable evidence.

UNSET

3. Identify the actual performer and the organisation retaining acceptance responsibility.

UNSET

Verify: Check the sending manifest, actual recipient access, acknowledgement, restrictions and remaining action owners.

Acceptance: Transfer is complete only after the necessary receiving acceptance is authentic. Sending a file, reconciling quantity or generating a certificate does not establish technical eligibility.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M06-R12 — Independent release and continuing validity

New implementation detail aligned with ASTRA 15.1–15.5; 16.1–16.6; 62.4–62.7; 80.1–80.6

1. Evaluate F06-M06 independently within its declared object and outcome class.	UNSET
2. Reconcile the original R01–R06 controls with R07–R11, applicable source requirements, prospective parameters, findings and actual authority.	UNSET
3. Monitor the subject-specific changes stated in this profile and reopen affected conclusions when the evidence changes.	UNSET

Verify: Independently replay the final predicate and inspect scope, exclusions, competence, conflict clearance, findings closure and event history.

Acceptance: No positive grant, renewal or extension while any applicable mandatory child is FAIL, HOLD or UNSET. N/A requires independent scope justification; technical concessions remain separate from conformity.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M07 — Storage, preservation and end of life

Storage, preservation, return-to-service preparation, dismantling and responsible disposition of aircraft, engines and components within declared permissions. Technical eligibility and environmental material recovery are independently supported.

Claim boundary: Neither storage capability nor material recovery certifies an item as airworthy, resets life limits or permits restricted disposal operations.

F06-M07-R01 — Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Identify stored assets and their actual configuration, service exposure, missing history, required preservation instructions and accountable custodian.	UNSET
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Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M07-R02 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Implement environmental protection, periodic checks, controlled access and deterioration monitoring suited to the asset; preserve missed checks and excursions rather than backfill them.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M07-R03 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Before return to service, evaluate actual storage history, inspections, maintenance, life limits, configuration and required release through competent authorised functions.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M07-R04 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. During dismantling, maintain part identity, parent asset, position, removal condition, life and repair history; a clean appearance or successful bench test does not establish eligibility.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M07-R05 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Segregate unserviceable, scrap and restricted items and prevent unauthorised re-entry; assign hazardous-material, data-protection and environmental responsibilities to qualified parties.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M07-R06 – Retained subject control

Retained operating subject control; latest core 22; 62 and Annex AL.

1. Reconcile final disposition, receiving custody, records, customer notices and unresolved duties.

UNSET

2. Report uncertain or incomplete disposal honestly rather than close the file on commercial shipment alone.

UNSET

Verify: Trace each independently testable condition to its actual criterion, method, evidence, responsible performer and independent reviewer.

Acceptance: Every mandatory child predicate is satisfied by valid evidence. Unresolved applicability or evidence is HOLD; demonstrated unmet criteria are FAIL.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M07-R07 – Mission and environment transfer

New implementation detail aligned with ASTRA 62.1–62.2; 63.2–63.6; 64.1–64.6

1. For storage, preservation and end of life, define the qualified or evaluated envelope for storage, preservation and responsible end of life.

UNSET

2. Compare the intended mission, material, site, configuration and phase/mode with the actual evidence.

UNSET

3. Identify material differences and allocate new demonstration before relying on heritage or terrestrial qualification.

UNSET

Verify: Inspect the difference matrix, environmental inputs, owner approvals and requirement-to-method links.

Acceptance: PASS only when every influential difference is either bounded by valid retained evidence or closed by accepted additional demonstration. Missing essential transfer evidence is HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M07-R08 — Essential properties and observability

New implementation detail aligned with ASTRA 62.3–62.5; 77.1–77.6

1. Identify the failure and evidence risks specific to this subject: a fresh preservation or inspection record can be used to erase unknown earlier exposure. UNSET

2. State which critical properties are directly observed, measured, inferred using a validated model or unknown. UNSET

3. Allocate separate child predicates for each hidden property and each essential protective function. UNSET

Verify: Review detection capability, raw observations, model validity and limitations against each claimed property.

Acceptance: A valid observation supports only its demonstrated property and domain. An unobservable essential condition is HOLD, not a favourable default or a proven product defect.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M07-R09 — Configuration and data identity

New implementation detail aligned with ASTRA 33.3–33.4; 56.1–56.5; 62.7; 78.7

1. Bind storage, preservation and responsible end of life to actual configuration, controlled technical data, source/lot or record identity, equipment and software state, authorised performer and actual event time. UNSET

2. Preserve failed runs, changed objects and prior evidence through any digital transfer. UNSET

Verify: Replay one result from original records and verify event-time authority, method version and the evaluated-to-delivered relationship.

Acceptance: PASS requires reproducible identity and valid links for the actual claim. Wrong configuration, stale state, inaccessible evidence or an unverified substituted record is HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M07-R10 — Subject-specific adverse demonstration

New implementation detail aligned with ASTRA 62.6–62.7; 77.5–77.8; Annex AP

1. Challenge the following mechanism through a safe authorised test, independent record review or controlled simulation appropriate to this subject: trace cumulative history, condition, removed-part eligibility and final custody/disposition. UNSET

2. Define the expected outcome before execution, retain original failures and repeat the failed case after correction. UNSET

Verify: Compare prospective expectations, actual observations, conditions, evidence, defect disposition and relevant regression.

Acceptance: Every essential adverse scenario must have valid accepted evidence. A scripted teaching example is not actual qualification; unavailable required observation remains HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M07-R11 – Receiving interface and bounded output

New implementation detail aligned with ASTRA 32.5; 48.4–48.6; 63.6; 80.4

- | | |
|--|-------|
| 1. Deliver the bounded output to storage or dismantling custodian and return-to-service authority. | UNSET |
| 2. Reconcile identity, configuration, conditions, unresolved limitations, technical eligibility, remaining duties and readable evidence. | UNSET |
| 3. Identify the actual performer and the organisation retaining acceptance responsibility. | UNSET |

Verify: Check the sending manifest, actual recipient access, acknowledgement, restrictions and remaining action owners.

Acceptance: Transfer is complete only after the necessary receiving acceptance is authentic. Sending a file, reconciling quantity or generating a certificate does not establish technical eligibility.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F06-M07-R12 – Independent release and continuing validity

New implementation detail aligned with ASTRA 15.1–15.5; 16.1–16.6; 62.4–62.7; 80.1–80.6

- | | |
|---|-------|
| 1. Evaluate F06-M07 independently within its declared object and outcome class. | UNSET |
| 2. Reconcile the original R01–R06 controls with R07–R11, applicable source requirements, prospective parameters, findings and actual authority. | UNSET |
| 3. Monitor the subject-specific changes stated in this profile and reopen affected conclusions when the evidence changes. | UNSET |

Verify: Independently replay the final predicate and inspect scope, exclusions, competence, conflict clearance, findings closure and event history.

Acceptance: No positive grant, renewal or extension while any applicable mandatory child is FAIL, HOLD or UNSET. N/A requires independent scope justification; technical concessions remain separate from conformity.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

5 Triggered domain and parameter selection

AK01 – Terrestrial engineering and supply

ASTRA Annex AK; apply when relevant to actual family responsibility.

1. Actual site, source, configuration, delegated responsibilities and released technical data.

UNSET

Verify: Check domain, phase/mode, exact object and source-to-receiver responsibility.

Acceptance: Every delivered characteristic and essential supplier interface is traceable to accepted evidence.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

AK02 – Test facilities and technical providers

ASTRA Annex AK; apply when relevant to actual family responsibility.

1. Method, range, uncertainty, environment, site, signatory and provider relationship.

UNSET

Verify: Check domain, phase/mode, exact object and source-to-receiver responsibility.

Acceptance: Actual method competence and valid result evidence are separately demonstrated.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

AK05 – Reusable launch and return articles

ASTRA Annex AK; apply when relevant to actual family responsibility.

1. Serial identity, use history, inspection detectability, qualified repair and current limits.

UNSET

Verify: Check domain, phase/mode, exact object and source-to-receiver responsibility.

Acceptance: Reuse is based on actual history and accepted condition, never a reset life.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

AK12 – Cooperative docking and servicing

ASTRA Annex AK; apply when relevant to actual family responsibility.

1. Consent, actual assets, relative-state evidence, compatible interfaces and protected states.

UNSET

Verify: Check domain, phase/mode, exact object and source-to-receiver responsibility.

Acceptance: All essential interface and completion states are independently supported.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

AK28 – Space logistics and distributed supply

ASTRA Annex AK; apply when relevant to actual family responsibility.

1. Actual items, life, environment, compatible interfaces and arrival/acceptance states.

UNSET

Verify: Check domain, phase/mode, exact object and source-to-receiver responsibility.

Acceptance: Only physically or otherwise validly confirmed accepted usable inventory supports mission budgets.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

AK31 – Digital and autonomous space systems

ASTRA Annex AK; apply when relevant to actual family responsibility.

1. Intended use, domain, source/build/model identity, data, validation, human authority and support.

UNSET

Verify: Check domain, phase/mode, exact object and source-to-receiver responsibility.

Acceptance: All essential behaviours and prohibited transitions are verified for the actual deployment.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

AK32 – Retirement and long-term stewardship

ASTRA Annex AK; apply when relevant to actual family responsibility.

1. Terminal criteria, actual evidence, unknowns, remaining inventories, notifications and custody.

UNSET

Verify: Check domain, phase/mode, exact object and source-to-receiver responsibility.

Acceptance: Final-state claims are truthful and every unresolved duty has an accepted owner.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

P01 – Mission and scope

ASTRA Annex AO; P01

1. Legal owner, performer, family/module, object, domain, configuration, location, duration and modes.

UNSET

Verify: Review prospective derivation: Scope tuple and mission concept; approved applicability matrix.

Acceptance: No undefined essential object, duty, phase or exclusion.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

P02 – Environment and exposure

ASTRA Annex AO; P02

1. Quantity, spatial/temporal boundary, distribution or bound, source/model, uncertainty and coupled effects.

UNSET

Verify: Review prospective derivation: Mission environment baseline and qualified specialist rationale.

Acceptance: Selected conditions bound each claimed use; unknown critical mechanisms remain HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

P03 — Requirements and acceptance

ASTRA Annex AO; P03

1. Stable ID, owner, characteristic, units, bound inclusivity, predicate, observation and essential-step marker.

UNSET

Verify: Review prospective derivation: Requirement baseline and Annex AL decision rule.

Acceptance: Every condition is evaluable before observations are judged.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

P05 — Materials and process qualification

ASTRA Annex AO; P05

1. Material type/condition, geometry, sources, variables, qualified window, machine/tool state and hidden properties.

UNSET

Verify: Review prospective derivation: Actual representative qualification; lot/build genealogy.

Acceptance: All influential variables and required product properties are supported.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

P06 — Test article and fixtures

ASTRA Annex AO; P06

1. Article pedigree, differences from delivered object, mounting, boundary conditions, operating state and exposure history.

UNSET

Verify: Review prospective derivation: Approved representativeness and cumulative-test analysis.

Acceptance: No material difference or prior damage invalidates the intended inference.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

P07 – Measurement and uncertainty

ASTRA Annex AO; P07

1. Measurand, instrument/range, corrections, sensitivity, covariance, coverage, time/space sampling and calibration.

UNSET

Verify: Review prospective derivation: Complete measurement model; valid raw data.

Acceptance: Uncertainty and detection capability are fit for the approved decision rule.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

P08 – Structure, life and mechanisms

ASTRA Annex AO; P08

1. Loads, allowables, factors, life, geometry, material state, mechanisms, detectability and approved reserve.

UNSET

Verify: Review prospective derivation: Qualified structural/life model and representative evidence.

Acceptance: Each prospectively defined margin and essential mechanism predicate passes.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

P12 – Human and protective response

ASTRA Annex AO; P12

1. User/task, representative conditions, essential steps, feasible intervention, health-support interface and emergency resources.

UNSET

Verify: Review prospective derivation: Specialist criteria and observed performance.

Acceptance: Every essential protection is effective; no invented universal physiological limit.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

P14 – Software, AI and models

ASTRA Annex AO; P14

1. Purpose/domain, source/build/weights/data, dependencies, target, errors, uncertainty, prohibited behaviour and change limits.

UNSET

Verify: Review prospective derivation: Independent verification and model/use validation.

Acceptance: Essential scenarios and target conditions pass; experimental outputs remain separate.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

P17 – Logistics and environmental claims

ASTRA Annex AO; P17

1. Identity, amount, units, condition, losses, allocation, lifecycle boundary, factor provenance and exclusive attributes.

UNSET

Verify: Review prospective derivation: Reconciled custody/quantity records and separate suitability/statement evaluation.

Acceptance: Quantity and claim integrity pass independently of technical eligibility.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

P18 – Decision, continuity and terminal duties

ASTRA Annex AO; P18

1. Closed findings, reviewer competence, independence, authority, status clocks, final-state criteria, custody and open obligations.

UNSET

Verify: Review prospective derivation: Authenticated decisions and verified terminal/transfer evidence.

Acceptance: Every mandatory gate is complete; incomplete or unknown terminal state remains explicit.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

Final independent closure and continuing duties

Closure element	Required conclusion
Requirement population	All applicable source and annex child conditions reconciled; no missing test, station, phase or outcome hidden by counts.
Results and findings	Mandatory PASS and independently approved N/A only; every in-scope nonconformity verified closed before grant, renewal or extension.
Authority and independence	Current competent evaluator, reviewer and decision roles; conflict clearance; all required panel participation.
Claim and receiving duty	Exact permitted scope, configuration, domain, dates and limitations; authentic recipient acknowledgement and custody.

Full child ledger and population reconciliation

References to all source clauses, normative annex rows, selected technical subjects, domains, parameters and complete instantiated child predicates.

Independent result and rejected / held scope

Record the reasoned decision, unmet conditions, restrictions and preserved adverse evidence; separate technical release from ASTRA outcome.

Actual authority and approval record

Named function, authentic approval instrument, panel participants and genuine decision time; no pre-filled approval.

Continuing monitoring and receiving custody

Original surveillance / expiry clocks, change triggers, open terminal duties, recipient notices and accepted record custodian.

Appendix B — Local adoption, validation and receiving acceptance

Gate	Required evidence	Outcome when incomplete
Authority and identity	Actual operator, scoped mandate, permissible result class, named owner, independent decision and remedy functions.	No live scope release.
Requirement population	All applicable clauses and annexes mapped to child conditions, with reasons and independent approval for exclusions.	HOLD the affected conclusion.
Parameters and methods	Prospective values/attributes; technical basis; valid methods; representativeness; calibration, uncertainty and approved predicates.	No dependent acceptance.
People and evidence	Current demonstrated competence; conflict clearance; original usable source evidence; actual configuration and event times.	Reassign or obtain sufficient evidence.
Local tools and tests	Actual deployment tested with positive, boundary, missing, invalid and prohibited inputs; original failed cases retested.	No consequential reliance on unaccepted tools.
Independent closure	Every mandatory requirement PASS, approved N/A, all in-scope nonconformities verified closed, panel rules where required.	No grant, renewal or extension.
Claims and continuity	Decision-linked scope/status; source history; genuine custody, receiving access, retention, urgent notices and terminal duties.	Restrict publication or transfer until resolved.

Record authentic approval and activation in AF-AST-FR-001 and AF-AST-SC-004 or an equivalent controlled record. The edition label is not an effective date for a particular case. Preserve historical decisions under their actual controlling basis; a newer document does not retroactively create missing competence or evidence. Source: Clauses 4, 31, 61, 62 and 80; Annexes P and AR.

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