



ASTRA

AEROSPACE STANDARD

ASSESSMENT CHECKLIST

Education Programmes - Technical Assessment Checklist

AF-AST-CL-005

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 Education Programmes. 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

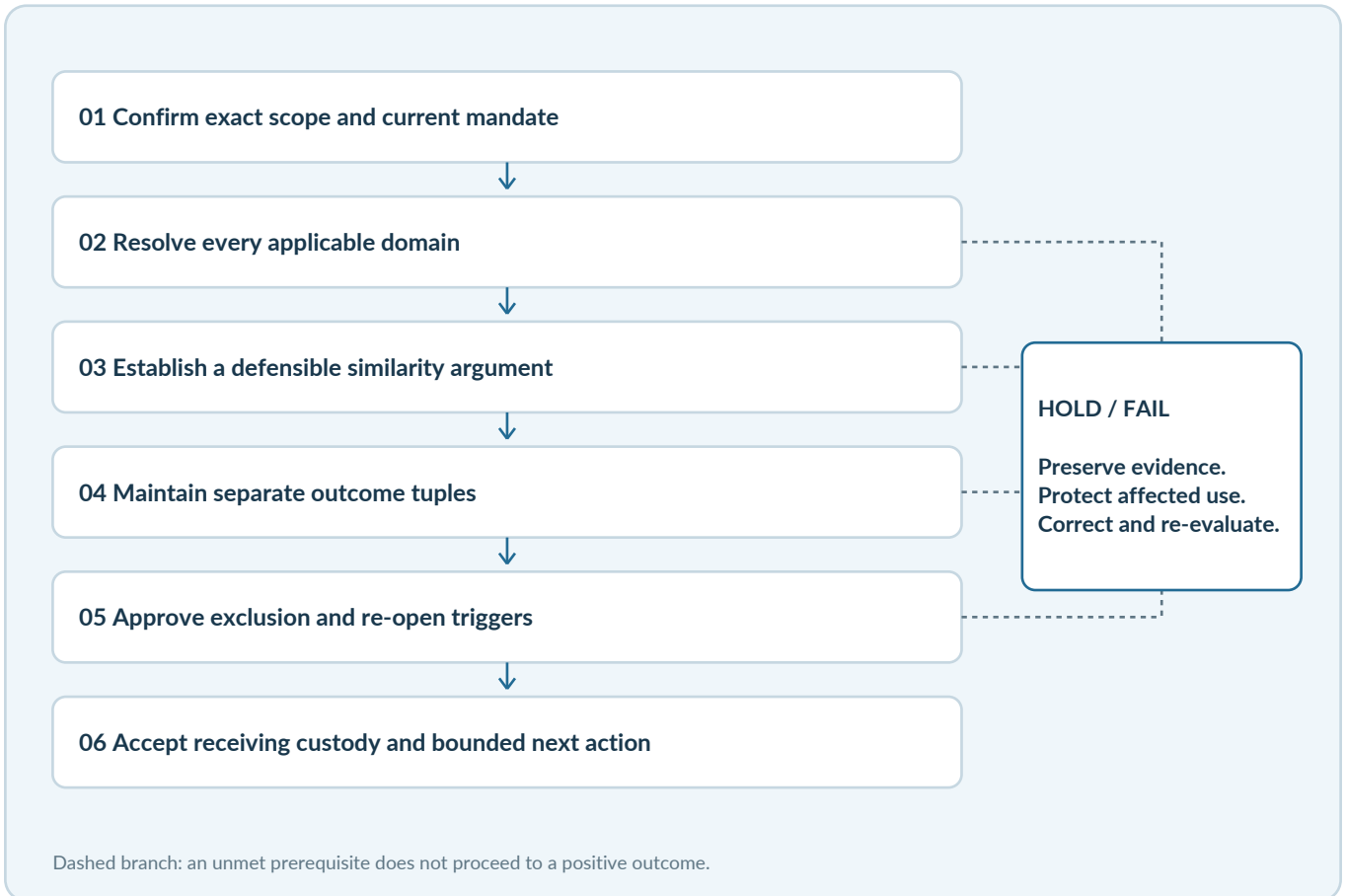
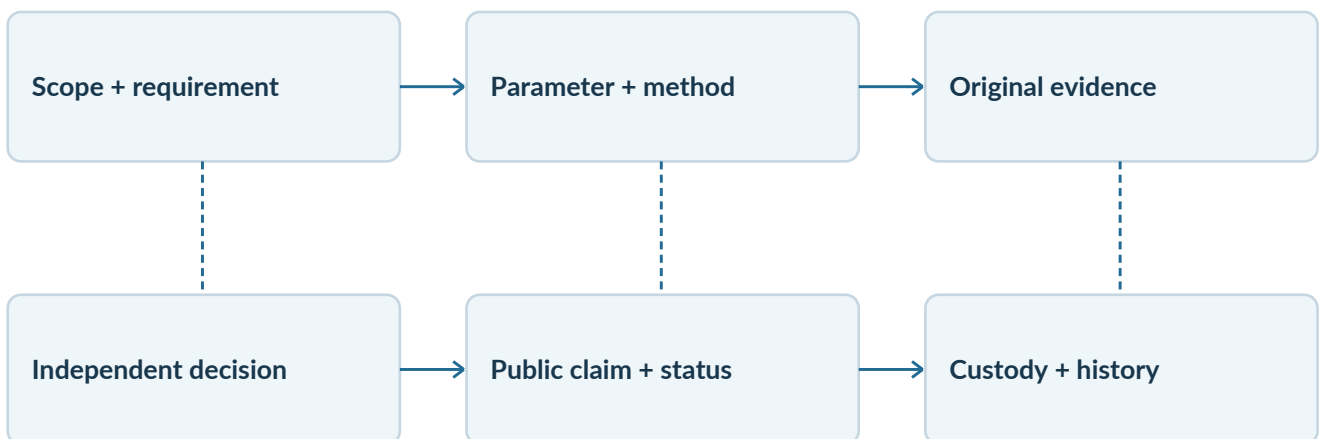


Figure — Implementation sequence for AF-AST-PR-004. Explanatory diagram; the source prerequisites and actual authority remain controlling.



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

3.2 – Accrediting and delivery entities

Source: AF-AST-STD-001 / FIRST EDITION, p. 12; exact source subclause 3.2.

1. The legal entity making an accreditation decision shall be identified separately from the applicant body and from the entity providing the assessment services being accredited.	UNSET
2. It shall not accredit itself or its own assessment operation, including through nominal reciprocal arrangements.	UNSET
3. It shall not also deliver the conformity-assessment services it accredits or applicant-specific consultancy compromising that accreditation.	UNSET
4. Related training, sector engagement and shared administration shall be assessed for actual influence, finances, access and ownership, with a genuinely independent arrangement where separation is necessary.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Legal delivery model; related-activity analysis; independent oversight and liability arrangements.

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

3.4 – Case separation and decision panels

Source: AF-AST-STD-001 / FIRST EDITION, p. 13; exact source subclause 3.4.

1. Evaluation, independent review, decision and appeal shall be assigned through explicit role checks.	UNSET
2. Final accreditation grants, renewals, extensions and contested adverse decisions shall use three independent authorised panel members: all three participate and at least two support the reasoned outcome, with every mandatory technical gate met.	UNSET
3. A technical reviewer may serve on that panel only when independent of evaluation and separately authorised.	UNSET
4. Other outcome classes use the independent authority specified in the released profile.	UNSET
5. A majority vote cannot resolve missing essential technical evidence by preference.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Assignment matrix; independent review; three-person participation and votes; gate record.

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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6.1 – Institutional and personal conflicts

Source: AF-AST-STD-001 / FIRST EDITION, p. 16; exact source subclause 6.1.

1. The operator shall review financial, ownership, employment, advisory, family, close personal and adversarial relationships at institutional and case levels.	UNSET
2. Declaration is an input to control, not the control itself.	UNSET
3. Where a material threat cannot be effectively managed, the individual or entity shall decline or be replaced.	UNSET
4. For independent third-party evaluation, review and decision, relevant employment or consultancy for the applicant within the preceding 24 months excludes assignment; older relationships remain subject to risk review.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Live conflict register; prior-work screening; independent disposition and assignment 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.

Evidence / method / parameter / sample references and limits

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6.3 – Consultancy, learning and evaluation

Source: AF-AST-STD-001 / FIRST EDITION, p. 16; exact source subclause 6.3.

1. General explanation of a requirement and non-client-specific education may be offered through controlled arrangements.	UNSET
2. A person who designs an applicant's system, corrective solution or technical method shall not independently certify that same work.	UNSET
3. The operator shall distinguish teaching from examination and independent decision.	UNSET
4. Training attendance shall not be represented as competence, and purchasing a particular course shall not be required where verified equivalent preparation is acceptable under the profile.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Service boundaries; training/evaluation separation; assignment conflict checks.

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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6.5 – Independent oversight

Source: AF-AST-STD-001 / FIRST EDITION, p. 17; exact source subclause 6.5.

1. The oversight function shall have protected access to unedited results, conflict information, trends and resources needed to challenge programme management.	UNSET
2. It shall report material unresolved threats to a disinterested constitutional route.	UNSET
3. Implicated officers shall not select their own investigator or control the evidence made available.	UNSET
4. Oversight may recommend restrictions, reassessment or governance correction; it shall not replace competent case findings with a preferred commercial result.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Oversight mandate; access and budget; independent reports; resolved or escalated threats.

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.

Evidence / method / parameter / sample references and limits

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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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20.3 – Learning outcomes and curriculum alignment

Source: AF-AST-STD-001 / FIRST EDITION, p. 34; exact source subclause 20.3.

1. Map each required learning outcome to learning activities, prerequisites, assessment opportunities, direct evidence and an accountable academic owner.	UNSET
2. Annex J provides adaptable evidence dimensions rather than a universal prescribed curriculum.	UNSET
3. The approved discipline profile shall define the actual knowledge, design, analysis, experimentation, digital, ethical and practical depth and its workload basis.	UNSET
4. Credits, contact hours or attendance alone shall not establish outcome attainment.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Outcome-curriculum-assessment map; level/workload rationale; direct assessment 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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20.4 – Admissions, progression and completion

Source: AF-AST-STD-001 / FIRST EDITION, p. 34; exact source subclause 20.4.

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| 1. Use transparent entry requirements, recognition of prior learning, transfer-credit review, academic advice and progression decisions. | UNSET |
| 2. Demonstrate that every completion route meets the programme's published outcomes and award requirements, including partner and distance routes. | UNSET |
| 3. Record exceptions and their academically authorised basis. | UNSET |
| 4. Sample authentic learner work and completion records across relevant routes; do not infer all graduates' attainment from one showcase project or selected top-performing learner. | UNSET |

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Admission/credit decisions; progression; completion checks; representative learner sample.

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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20.5 – Assessment validity and academic integrity

Source: AF-AST-STD-001 / FIRST EDITION, p. 34; exact source subclause 20.5.

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| 1. Assessment methods shall test the intended knowledge and practical skills at the required level. | UNSET |
| 2. Set rubrics, essential steps, identity and authenticity checks, moderation and resit rules before use. | UNSET |
| 3. Preserve failed attempts and due process. | UNSET |
| 4. AI-assisted and remote assessments shall demonstrate that the learner, rather than an unverified tool or substitute person, possesses the competence. | UNSET |
| 5. Reasonable adjustments shall preserve the construct being assessed and protect personal information. | UNSET |

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Assessment design; moderation; authentic work; essential-step results; integrity/remedy records.

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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20.8 – Attainment, improvement and closure of the loop

Source: AF-AST-STD-001 / FIRST EDITION, p. 35; exact source subclause 20.8.

1. Evaluate attainment using relevant direct and indirect evidence, defined populations, rubrics and denominators.	UNSET
2. Examine weak outcomes, completion barriers, subgroup or delivery-mode differences and feedback.	UNSET
3. Assign improvement actions, implement them and demonstrate their effect on subsequent representative work.	UNSET
4. A meeting, survey or action list alone is not a completed improvement loop.	UNSET
5. Do not average a failed essential practical outcome into an overall pass.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Attainment analysis; improvement decision; implemented action; follow-up 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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20.9 – Initial operating evidence and readiness only

Source: AF-AST-STD-001 / FIRST EDITION, p. 35; exact source subclause 20.9.

1. A full programme outcome shall be based on authentic completed delivery and assessment evidence, normally at least one complete cohort for the claimed completion route, sufficient to evaluate all applicable outcomes.	UNSET
2. Where this evidence does not yet exist, the operator may issue only a clearly bounded developmental readiness report, with no live recognition or accreditation claim.	UNSET
3. The profile shall define suitable evidence for individualised or very low-volume programmes without inventing graduates or records.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Completed delivery evidence; cohort/route coverage; readiness limitations; honest public status.

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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52.3 – Practical learning and assessment integrity

Source: AF-AST-STD-001 / FIRST EDITION, p. 76; exact source subclause 52.3.

1. Practical work shall use suitable equipment, current methods, safe supervision and representative tasks.	UNSET
2. Simulation or remote laboratories shall have a justified educational role and shall not replace essential hands-on competence without a valid basis.	UNSET
3. Assessment shall establish learner identity and authorship, including when AI tools are permitted.	UNSET
4. Rubrics, essential steps, moderation and resit rules shall be fixed in advance.	UNSET
5. Failed essential skills shall not be averaged into a completion decision.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Practical-task and safety plan; assessment blueprint; authenticity checks; observed essential steps; preserved attempts.

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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52.5 – Attainment, improvement and learner protection

Source: AF-AST-STD-001 / FIRST EDITION, p. 77; exact source subclause 52.5.

1. Programme conclusions shall rely on authentic delivery and assessment evidence for every claimed completion route.	UNSET
2. Where sufficient completed evidence is absent, only the permitted developmental readiness result shall be used.	UNSET
3. Improvement shall connect identified weakness, educational cause, action and subsequent comparable outcomes.	UNSET
4. Changes, closure or loss of status shall protect learner records, communication and teach-out or transfer.	UNSET
5. Survey satisfaction and a favourable cohort average shall not replace direct evidence of essential attainment.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Route/cohort attainment; improvement follow-up; readiness limitations; teach-out and historical-record 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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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.

Evidence / method / parameter / sample references and limits

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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.

Evidence / method / parameter / sample references and limits

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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.

Evidence / method / parameter / sample references and limits

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61.3 – Dependent documents and compatibility

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

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

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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.

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| 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. | <input type="text" value="UNSET"/> |
| 2. N/A rows shall have approved reasons | <input type="text" value="UNSET"/> |
| 3. HOLD and FAIL rows shall not contribute a favourable default. | <input type="text" value="UNSET"/> |
| 4. Weighted scores, averages, majority votes, programme membership or good results in another discipline shall not compensate for an unmet condition. | <input type="text" value="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

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. | <input type="text" value="UNSET"/> |
| 2. Loss of communication shall not be labelled successful disposal. | <input type="text" value="UNSET"/> |
| 3. Assign remaining notices, monitoring and records to an actual custodian. | <input type="text" value="UNSET"/> |
| 4. A closed commercial contract does not close an unresolved technical or environmental obligation. | <input type="text" value="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

Finding / action / child-condition ledger

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

Finding / action / child-condition ledger

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

75.7 – 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

78.3 – Evaluation data and model credibility

Source: AF-AST-STD-001 / FIRST EDITION, p. 120; exact source subclause 78.3.

1. Evaluation shall retain data provenance, rights, labelling, representative populations, partitions, leakage checks, synthetic contribution and adverse cases.	UNSET
2. Model verification, calibration and independent validation shall be distinguished.	UNSET
3. A high aggregate score, large dataset or visual twin is not evidence of every rare or safety-critical condition.	UNSET

Verify: Inspect data partitions and independently reproduce selected performance and model-validation results.

Acceptance: Prospective scenario-specific criteria are met with disclosed uncertainty and limitations; unsupported extrapolation remains HOLD.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

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

Finding / action / child-condition ledger

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

Finding / action / child-condition ledger

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

Finding / action / child-condition ledger

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

Finding / action / child-condition ledger

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. | <input type="text" value="UNSET"/> |
| 2. Mission, environment, population or technology changes shall trigger impact review before expanded reliance. | <input type="text" value="UNSET"/> |
| 3. Restoration shall preserve expiry unless a full renewal has occurred and shall not validate the suspended interval. | <input type="text" value="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

Finding / action / child-condition ledger

4 Retained subject controls and added R07–R12 extensions

F04-E01 – Engineering degree programmes

Named engineering degree programmes linked to the aerospace, space, defense or supporting engineering ecosystem. Define discipline, award level, curriculum, campuses, delivery modes and all completion routes, including transfers and partner delivery.

Claim boundary: Programme recognition does not license graduates or recognise every programme offered by the institution.

F04-E01-R01 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Connect programme objectives to assessable completion outcomes in disciplinary reasoning, problem formulation, design, experimentation, lifecycle judgement and professional responsibility appropriate to the stated level.

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

F04-E01-R02 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Map each outcome to prerequisites, teaching, practice and direct assessment rather than treat course titles, credits or hours as attainment.

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

F04-E01-R03 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Examine individual contributions to integrated engineering work and the ability to justify assumptions, interfaces, safety considerations, data and uncertainty.

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

F04-E01-R04 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Verify safe practical resources, competent academic/technical supervision and equivalent support across all campuses and online/partner routes.

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

F04-E01-R05 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Sample authentic completed learner work, including weak and failed outcomes, identity/authorship and essential practical steps under prospective rubrics.

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

F04-E01-R06 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Demonstrate evidence-led academic improvement, fair progression/remedies and teach-out or transfer protection during major changes or 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

F04-E01-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 engineering degree programmes, define the qualified or evaluated envelope for engineering programme outcomes and completion routes. | <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

F04-E01-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 showcase design project can conceal missing practical attainment in another route. | <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

F04-E01-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 engineering programme outcomes and completion routes 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

F04-E01-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: sample original learner design, analysis and experimental work across all admitted completion routes.

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

F04-E01-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 academic programme authority and learner-record 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

F04-E01-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 F04-E01 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

F04-E02 — Engineering technology programmes

Applied engineering-technology programmes at their actual qualification level, focused on implementing, integrating, operating, testing and improving technical systems. Preserve the distinction between the declared award and an engineering degree or occupational authorisation.

Claim boundary: An applied programme result does not authorise every industrial task or become a professional licence.

F04-E02-R01 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Define the programme applied-technical purpose and appropriate depth in implementation, measurement, integration and operational judgement.	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

F04-E02-R02 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Map learning outcomes to hands-on tasks, laboratory work and direct performance evidence, including technical data interpretation and correct units.

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

F04-E02-R03 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Assess ability to operate within approved procedures, recognise limits, diagnose discrepancies and escalate rather than assume unrestricted design 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

F04-E02-R04 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Verify actual equipment, software, safety supervision and placement arrangements for each delivery route.

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

F04-E02-R05 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

- | | |
|--|-------|
| 1. Preserve individual practical results, essential steps, failed attempts, fair resits and identity/authorship under valid prospective rubrics. | 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

F04-E02-R06 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

- | | |
|---|-------|
| 1. Evaluate attainment and improvement with defined populations and comparable evidence; protect learners when delivery capability changes. | 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

F04-E02-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 engineering technology programmes, define the qualified or evaluated envelope for engineering technology learning and applied integration. | 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

F04-E02-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: tool familiarity can be mistaken for independent ability to validate an engineering result. 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

F04-E02-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 engineering technology learning and applied integration 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

F04-E02-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: observe applied tasks with authentic data, limitations and individual contribution. 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

F04-E02-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 programme assessment authority and placement supervisor.	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

F04-E02-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 F04-E02 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

F04-E03 — Computing and digital programmes

Computing, software, data, AI, digital engineering or related learning programmes within a defined discipline and award level. Assess what learners can actually analyse, implement, verify and explain, not what their tools generate.

Claim boundary: Tool capability, benchmark scores and attendance are not evidence of learner competence or product certification.

F04-E03-R01 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Define assessable outcomes for the stated computing discipline and level, including requirements, implementation, verification, data and responsible technical judgement.

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

F04-E03-R02 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Map instruction and tasks to direct evidence such as versioned code, tests, models, data interpretation and reasoned 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

F04-E03-R03 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Control AI-assisted work and verify individual authorship, understanding and ability to detect incorrect generated outputs.

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

F04-E03-R04 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Assess technical behaviour on relevant normal, boundary, invalid-input and failure cases rather than one successful demonstration.

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

F04-E03-R05 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Verify accessible computing resources, lawful data/software use, competent instructors and secure assessment across delivery modes.

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

F04-E03-R06 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Preserve weak outcomes, practical failures and follow-up improvements; avoid describing course completion as autonomous operational or certification 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

F04-E03-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 computing and digital programmes, define the qualified or evaluated envelope for computing and digital educational outcomes. | 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

F04-E03-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: generated code or model output can conceal that the learner cannot explain or verify it. | 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

F04-E03-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 computing and digital educational outcomes 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

F04-E03-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: test authorship, independent debugging, data partitioning and source-backed technical interpretation.

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

F04-E03-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 academic assessment authority and programme-record 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

F04-E03-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 F04-E03 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

F04-E04 — Applied science programmes

Named applied-science programmes supporting materials, physics, chemistry, measurement, environment or other declared scientific disciplines. Evaluate coherent level-specific reasoning, safe experimentation, data quality and interpretation.

Claim boundary: Programme recognition is not laboratory accreditation or permission for unsupervised hazardous scientific work.

F04-E04-R01 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Define the discipline purpose and completion outcomes in scientific reasoning, observation, experimental design and application-specific interpretation.	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

F04-E04-R02 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Map outcomes to direct work demonstrating assumptions, units, evidence quality, uncertainty and the boundary between observation and 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

F04-E04-R03 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Verify safe, technically suitable laboratories and competent supervision without treating a written procedure as actual practical 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

F04-E04-R04 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Assess the learner contribution to specimen/data preparation, measurement, analysis and reproducible reporting.

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

F04-E04-R05 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Preserve raw and adverse results, failed practical steps, fair re-assessment and academic integrity controls across all routes.

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

F04-E04-R06 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Use cohort/outcome evidence to improve the programme and maintain learner protection during changed facilities, modes or partnerships.

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

F04-E04-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 applied science programmes, define the qualified or evaluated envelope for applied-science experimental and analytical outcomes.

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

F04-E04-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 polished report can omit raw evidence, uncertainty and failed experimental observations. | <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

F04-E04-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 applied-science experimental and analytical outcomes 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

F04-E04-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 original experiments and analysis with safe methods and independently moderated interpretation. | <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

F04-E04-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 discipline lead and laboratory teaching 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

F04-E04-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 F04-E04 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

F04-E05 — Technical and vocational programmes

Vocational and technician pathways for specified practical roles and tasks, including manufacture, maintenance, test support and operational services. Training completion, practical competence and employer task authorisation are separate records.

Claim boundary: Attendance and programme completion do not themselves grant maintenance-release, inspection or other restricted task privileges.

F04-E05-R01 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Define the actual occupational tasks and limits so that the advertised outcome matches the programme practice and assessment.

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

F04-E05-R02 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Use current technical instructions, suitable equipment and qualified supervision for authentic or justified representative practical tasks.

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

F04-E05-R03 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Assess the learner independently performing essential setup, identity, execution, checking, reporting and escalation within the permitted boundary.

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

F04-E05-R04 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Record knowledge and practical outcomes separately, preserve failed essential steps and use evidenced remediation before equivalent reassessment.

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

F04-E05-R05 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Verify work placements and employer interfaces without treating an employer endorsement as sufficient direct competence 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

F04-E05-R06 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Provide accurate completion information, learner remedies and transfer/teach-out controls; employer and statutory authorisations remain separately issued.

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

F04-E05-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 and vocational programmes, define the qualified or evaluated envelope for technical and vocational task competence. | 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

F04-E05-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: attendance and a written score can conceal inability to perform an essential safe task. | 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

F04-E05-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 and vocational task competence 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

F04-E05-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: observe each essential practical operation within authorised training conditions and record assistance. 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

F04-E05-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 vocational assessment authority and employer-training interface. 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

F04-E05-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 F04-E05 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

F04-E06 — Professional continuing-development programmes

Continuing professional learning in a defined technical subject, level, audience and intended outcome. Differentiate awareness, knowledge update, assessed skill and maintained role competence.

Claim boundary: Continuing-development hours contribute evidence only where relevant; they do not automatically renew a role or credential.

F04-E06-R01 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. State the actual learning need, intended participants and the limited knowledge or skill outcome rather than promise generic aerospace expertise.	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

F04-E06-R02 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Choose learning and assessment activities capable of demonstrating the advertised outcome, including practical evidence where a skill is claimed.

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

F04-E06-R03 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Verify instructor subject currency, appropriate resources and accurate treatment of new technology and its 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

F04-E06-R04 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Distinguish attendance records from assessed completion and from formal role qualification or employer authorisation.

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

F04-E06-R05 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Preserve participant identity, assessment criteria, results, essential failures and fair corrections without creating fictional credentials.

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

F04-E06-R06 — Retained subject control

Retained operating subject control; latest core 20; 62 and Annex AL.

1. Review feedback and subsequent evidence for effectiveness, update outdated content and state completion/claim boundaries honestly.

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

F04-E06-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 professional continuing-development programmes, define the qualified or evaluated envelope for continuing professional development and bounded learning claims.

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

F04-E06-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 short update course may be advertised as a new unrestricted professional authority. | <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

F04-E06-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 continuing professional development and bounded learning claims 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

F04-E06-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: compare advertised outcomes with actual learning assessment and retained participation evidence.

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

F04-E06-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 learning provider and participant-record 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

F04-E06-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 F04-E06 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
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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
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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

AK15 – Extravehicular and isolated crew work

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

1. Actual equipment configuration, essential skills, consumables, communications and authority.

UNSET

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

Acceptance: Essential individual and integrated protective tasks pass without averaging.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

AK25 – Human exploration and surface habitats

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

1. Users, tasks, duration, life support, radiation/environment, health-support and safe-return assumptions.

UNSET

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

Acceptance: Every essential human protection and feasibility predicate is supported by specialists.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

AK30 – Ground, communication and navigation services

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

1. Deployed configuration, authority, source-to-user integrity, delay, uncertainty and recovery.

UNSET

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

Acceptance: Availability, correctness, authority and completion are separately demonstrated.

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

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

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

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

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

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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