



ASTRA

AEROSPACE STANDARD

ASSESSMENT CHECKLIST

Ground Operations and Aviation Support Services - Technical Assessment Checklist

AF-AST-CL-008

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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 Ground Operations and Aviation Support Services. Source conditions are reproduced in full; every response requires attributable evidence, sampling and a reasoned conclusion. Family checklists are used with CL-001, the actual profile and all triggered normative annexes.

Source requirements and added implementation detail

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

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

Acceptance boundary

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

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1 How to use the requirement and child-condition checklist

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

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

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

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

Positive-decision conjunction

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

Child-condition ledger and complete population

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

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

2 Evidence validity and decision sequence

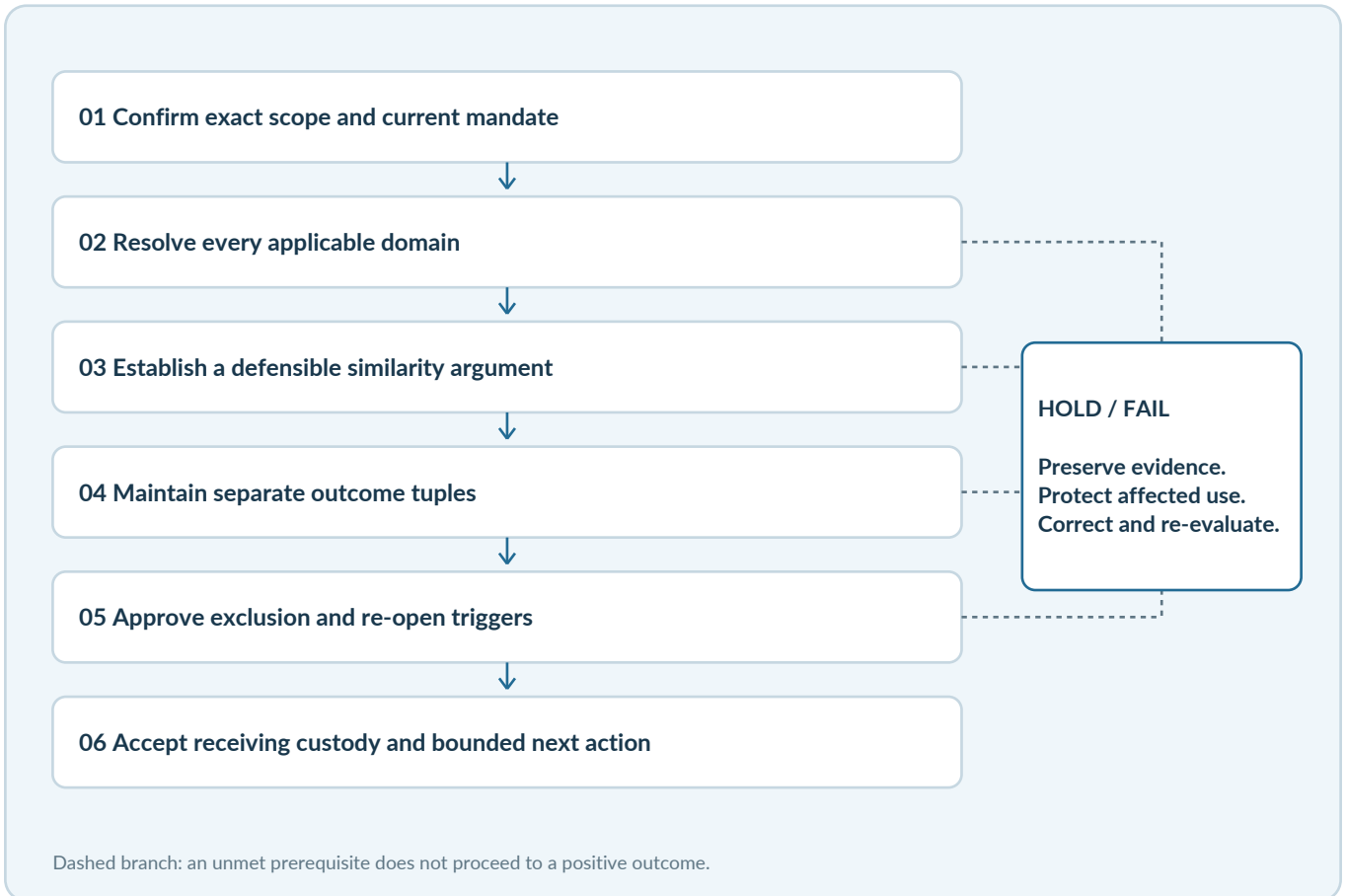
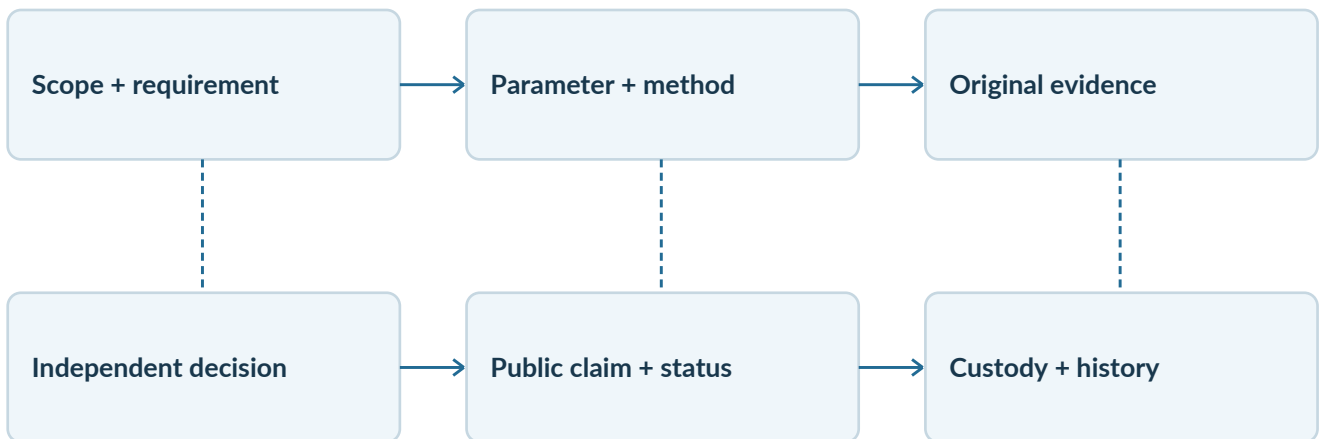


Figure — Implementation sequence for AF-AST-PR-004. Explanatory diagram; the source prerequisites and actual authority remain controlling.



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

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

3 Source conditions selected by family and retained responsibility

1.3 – Object and responsibility tuple

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

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

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

1.5 – Activity-based applicability

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

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

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

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

Evidence / method / parameter / sample references and limits

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10.5 – Remote access and live evidence

Source: AF-AST-STD-001 / FIRST EDITION, p. 21; exact source subclause 10.5.

1. Before remote assessment, verify identity, connection security, permissions, camera or sensor adequacy, observation continuity and independent selection of evidence.	UNSET
2. Record interruptions, inaccessible areas and substitutions.	UNSET
3. Prerecorded material shall be identified and shall not be represented as live observation.	UNSET
4. Where physical or practical capability cannot be established remotely, arrange on-site or appropriately controlled witnessed work.	UNSET
5. Remote convenience shall not reduce scope coverage, time, competence or critical observation.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Remote suitability review; consent/access; live-session record; supplementary coverage.

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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10.6 – Recovery, retention and closure

Source: AF-AST-STD-001 / FIRST EDITION, p. 22; exact source subclause 10.6.

1. Maintain protected backups and test restoration of data, identity, configuration links and current status.	UNSET
2. Meeting recovery-time objectives does not establish restored evidence integrity.	UNSET
3. Retain assessment and decision evidence for at least seven years after the last relevant decision, or longer when justified by applicable obligations, service life or a hold; reconcile any legally required alternative handling without concealing the decision basis.	UNSET
4. Separate unnecessary personal copies and dispose of them under approved controls.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Restore/integrity tests; retention basis; legal holds; secure disposal and closure transfer.

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

Evidence / method / parameter / sample references and limits

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11.3 – Existing evidence and reuse

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

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

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

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

Evidence / method / parameter / sample references and limits

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12.1 – Planning from scope and consequence

Source: AF-AST-STD-001 / FIRST EDITION, p. 23; exact source subclause 12.1.

1. The plan shall begin with the requested object and requirement set, not a fixed commercial duration.	UNSET
2. Identify legal entities, technical methods, actual performers, sites, shifts, programme delivery modes, configurations, prior findings, changes and critical interfaces.	UNSET
3. Select representative routine and adverse work and assign specialists for every material domain.	UNSET
4. Define what evidence can support each conclusion and where sampling cannot establish the full claim.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Approved scope-led plan; coverage matrix; technical assignments; sample rationale.

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

Evidence / method / parameter / sample references and limits

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12.2 – Sites and stations

Source: AF-AST-STD-001 / FIRST EDITION, p. 23; exact source subclause 12.2.

1. For initial and renewal operational-capability or CAB scopes, establish direct evidence at every included operating site, station or delivery location.	UNSET
2. Common governance evidence can be shared but local capability shall be demonstrated.	UNSET
3. Use physical visits where necessary work cannot be validly observed remotely.	UNSET
4. Surveillance sampling of genuinely homogeneous low-consequence activities requires an approved profile, justified eligibility, rotation and expansion triggers; no generic headquarters sample grants all stations.	UNSET
5. AF 9100 organisational cases retain the specific site rules of that standard.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Site-by-activity coverage; remote/on-site rationale; rotation and ineligible-site controls.

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

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12.3 – Method-family witnessing

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

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

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

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

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12.4 – Time and productive work

Source: AF-AST-STD-001 / FIRST EDITION, p. 24; exact source subclause 12.4.

1. Use an activity-based work breakdown for non-organisational assessments, with necessary preparation, observation, data review, sites, shifts and rework.	UNSET
2. One evaluator-day is eight productive evaluation hours.	UNSET
3. Travel, breaks, sales, report preparation, translation delay and independent review/decision are separate resources.	UNSET
4. Do not count a trainee as a fully productive assessor or double-count two observers performing the same task without distinct technical work.	UNSET
5. AF 9100 organisational time remains governed by its Annex AC.	UNSET
6. Annex F provides a planning method and examples, not universal technical durations.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Task/time matrix; separate resources; actual productive time; approved additions.

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

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13.3 – Witness control

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

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

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

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

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26.4 – Remote, space and long-duration operation

Source: AF-AST-STD-001 / FIRST EDITION, p. 44; exact source subclause 26.4.

1. For inaccessible, in-space or delayed-communication work, establish evidence acquisition, identity, configuration, time basis, telemetry validity, data loss, permitted remote actions and safe fallback.	UNSET
2. Explain what is directly observed, inferred or unknown.	UNSET
3. Independent review shall use appropriately authorised experts and retained records.	UNSET
4. No space suitability or completed end-of-life action shall be claimed from an unverified signal or terrestrial analogy alone.	UNSET
5. Mission-specific technical profiles remain prerequisites.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Remote assurance plan; telemetry provenance; inference limits; mission profile and decisions.

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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47.6 – Incident recovery and assured return

Source: AF-AST-STD-001 / FIRST EDITION, p. 71; exact source subclause 47.6.

1. Incident handling shall preserve evidence, contain affected use, identify impacted products and decisions, notify responsible parties and control restoration.	UNSET
2. Returning a service to availability shall be separated from verifying its data and configuration integrity.	UNSET
3. Exercises shall test recovery objectives and the meaning of restored records.	UNSET
4. Missing original evidence shall remain a gap in the dependent conclusion.	UNSET
5. An incident closure shall include the actual technical return authority and follow-up actions, not only a completed support ticket.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Incident and affected-output record; integrity checks; recovery exercise; authorised return and continuing actions.

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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56.4 – Validation and prohibited cases

Source: AF-AST-STD-001 / FIRST EDITION, p. 81; exact source subclause 56.4.

1. Local validation shall cover normal, boundary, missing, invalid and prohibited inputs in the actual deployment.	UNSET
2. Tests shall include open findings, expired authority, wrong profiles, broken evidence links, suspended status, duplicate imports and interrupted changes.	UNSET
3. Expected outcomes shall be defined from the controlling requirements before execution.	UNSET
4. Synthetic fixtures shall be isolated from live claims.	UNSET
5. Correction shall be followed by repetition of the original failed test and relevant regression, not merely an assurance that the code was changed.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Local validation baseline; expected/observed cases; defect and retest history; actual acceptance and limitations.

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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58.2 – Coverage and productive resources

Source: AF-AST-STD-001 / FIRST EDITION, p. 82; exact source subclause 58.2.

1. The plan shall provide competent coverage of necessary sites, methods, shifts, delivery modes, configurations and adverse cases.	UNSET
2. Resources shall follow actual work, not a commercial target.	UNSET
3. The eight-hour evaluator-day and separate reporting/review resources remain governed by Clause 12.4	UNSET
4. AF 9100 organisational rules apply only to their route.	UNSET
5. A trainee or second passive observer shall not be counted as additional productive technical coverage.	UNSET
6. Necessary omitted observations shall require more work or a restricted conclusion.	UNSET

Verify: Inspect the original evidence, actual implementation, method and configuration for each mandatory child condition. Work breakdown; person/task coverage; site/method witnesses; actual productive time and changes.

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

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61.3 – Dependent documents and compatibility

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

- | | |
|--|------------------------------------|
| 1. The responsible custodian shall identify every affected profile, manual, procedure, checklist, form and register before use of this text. | <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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62.1 – Atomic requirement record

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

- | | |
|--|------------------------------------|
| 1. Each assessed requirement shall have a stable identifier, one accountable owner, an applicability trigger, defined object and configuration, required behaviour or characteristic, observable conditions, verification method and acceptance predicate. | <input type="text" value="UNSET"/> |
| 2. Compound statements shall be separated into individually testable rows without deleting any condition. | <input type="text" value="UNSET"/> |
| 3. Terms such as adequate, suitable, promptly or representative shall be resolved through the explicit records in this clause before they support an acceptance decision. | <input type="text" value="UNSET"/> |

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

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

Evidence / method / parameter / sample references and limits

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62.4 – Four requirement states

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

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

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

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

Evidence / method / parameter / sample references and limits

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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.	UNSET
2. Two competent reviewers reaching different results shall identify the differing input, predicate, assumption or expertise before closure.	UNSET
3. Interpretation records may clarify a term but shall not change limits after results are known.	UNSET
4. Equation inputs shall retain unrounded values.	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

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63.1 – Domain selection without geographic omission

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

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

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

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

Evidence / method / parameter / sample references and limits

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63.3 – Environment, phase and mode matrix

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

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

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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63.6 – Interface and lifecycle closure

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

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

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

64.4 – Resource budgets and coupled margins

Source: AF-AST-STD-001 / FIRST EDITION, p. 92; exact source subclause 64.4.

- | | |
|---|-------|
| 1. Mass, power, energy, thermal rejection, timing, data, attitude-control resources and consumables shall have explicit allocation and reserve ownership. | UNSET |
| 2. Account for concurrent loads, common reserves, environmental degradation, ageing, unavailable recharge and terminal obligations. | UNSET |
| 3. The same reserve shall not be credited to two simultaneous needs. | UNSET |
| 4. Positive scalar totals shall not replace transient, local or coupled analysis. | UNSET |

Verify: Reconcile subsystem and system budgets by phase and condition; independently check Annex AM calculations used.

Acceptance: Each required margin meets its prospectively approved value under all selected bounding conditions; no reserve is double allocated.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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64.5 – Heritage and similarity

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

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

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

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

Evidence / method / parameter / sample references and limits

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66.3 – Delay and feasible intervention

Source: AF-AST-STD-001 / FIRST EDITION, p. 96; exact source subclause 66.3.

1. The service shall distinguish one-way propagation, round-trip exchange, queueing, processing, retransmission, human response and actuation delays.	UNSET
2. A ground intervention shall count as a protective control only when information and action can arrive within the validated hazard-response window.	UNSET
3. Store-and-forward or disruption-tolerant operation shall define expiration, duplicate handling, priority and stale-command rejection.	UNSET

Verify: Test worst-case delay and outage scenarios using the approved mission geometry and timing model.

Acceptance: Required responses are feasible within the approved window; a nominal human review step does not pass if communication makes it ineffective.

Evidence / method / parameter / sample references and limits

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66.4 – Data age and time uncertainty

Source: AF-AST-STD-001 / FIRST EDITION, p. 96; exact source subclause 66.4.

1. Every consequential data item shall retain event time, time scale, receipt time, sequence, quality flags and relevant uncertainty.	UNSET
2. Clock drift, conversion error, leap or reset handling and synchronisation loss shall be bounded.	UNSET
3. Maximum data age and timing uncertainty shall be defined before use.	UNSET
4. A recent packet receipt shall not make its old event data current.	UNSET

Verify: Challenge stale, duplicated, reordered, wrong-time-scale and clock-reset data.

Acceptance: Data outside approved age or uncertainty bounds are marked unusable for the affected decision and trigger the defined protective response.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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66.7 – Outage, recovery and service evidence

Source: AF-AST-STD-001 / FIRST EDITION, p. 97; exact source subclause 66.7.

1. The operator shall reconcile lost data, delayed messages, incomplete transfers and state changes after an outage.	UNSET
2. Recovery shall restore meaning, configuration, authority and history as well as network availability.	UNSET
3. Report actual service measures with time windows, excluded outages and missing data.	UNSET
4. A service restoration shall not retrospectively validate dependent decisions made with unavailable or corrupted information.	UNSET

Verify: Review outage timelines, replay/reconciliation logs and receiving acceptance.

Acceptance: All necessary state and data integrity checks are complete before assured use resumes; remaining gaps are carried into the affected claims.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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67.3 – Receipt, execution and completion

Source: AF-AST-STD-001 / FIRST EDITION, p. 98; exact source subclause 67.3.

- | | |
|---|------------------------------------|
| 1. The record shall distinguish command prepared, approved, transmitted, received, accepted, started, completed, failed and unknown. | <input type="text" value="UNSET"/> |
| 2. A transmission log or acknowledgement shall not be treated as verified physical completion. | <input type="text" value="UNSET"/> |
| 3. Completion criteria shall identify telemetry or other evidence, timing, confidence limits and independent checks needed for the actual action. | <input type="text" value="UNSET"/> |

Verify: Trace a command through its full event and evidence history.

Acceptance: Only evidence satisfying the approved completion predicate supports completed status; missing terminal evidence remains unknown or partial.

Evidence / method / parameter / sample references and limits

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67.6 – Anomaly response and safe restoration

Source: AF-AST-STD-001 / FIRST EDITION, p. 99; exact source subclause 67.6.

- | | |
|---|------------------------------------|
| 1. The operations team shall classify anomalies, preserve raw evidence, control affected commands and follow authorised mission-specific protective procedures. | <input type="text" value="UNSET"/> |
| 2. Restoration shall establish current physical and digital state, cause disposition, remaining restrictions and separate technical return authority. | <input type="text" value="UNSET"/> |
| 3. A restarted computer or renewed communication link does not prove that the spacecraft or remote process is safe to resume. | <input type="text" value="UNSET"/> |

Verify: Examine adverse rehearsals and actual restoration records where available.

Acceptance: Required state, integrity and protection checks pass before resumed dependent action; unresolved essential uncertainty retains a restriction.

Evidence / method / parameter / sample references and limits

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68.7 – Status and long-term custody

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

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

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

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

Evidence / method / parameter / sample references and limits

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74.4 – Sample identity and custody

Source: AF-AST-STD-001 / FIRST EDITION, p. 112; exact source subclause 74.4.

1. Each sample shall retain origin description, collection event, container, seal or interface identity, mass or quantity where known, conditions, contamination history, transfers, subdivisions and authorised access.	UNSET
2. Unknown provenance shall remain unknown.	UNSET
3. Splitting or pooling shall preserve parent-child links and shall not create duplicate inventories.	UNSET

Verify: Reconcile original collection, custody, receiving and subdivision records.

Acceptance: The sample and its history are unambiguous and usable for the claimed purpose; missing essential links block the dependent sample conclusion.

Evidence / method / parameter / sample references and limits

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74.7 – Disposition and residual responsibility

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

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

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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75.7 – Handover, resource claims and closure

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

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

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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77.1 – Requirement-to-method completeness

Source: AF-AST-STD-001 / FIRST EDITION, p. 118; exact source subclause 77.1.

1. The verification matrix shall include every applicable requirement, object/configuration, method, test or analysis purpose, criterion, uncertainty, evidence and authorised conclusion.	UNSET
2. Inspection, analysis, demonstration and testing shall be selected for the actual failure mechanism.	UNSET
3. Annex T domains guide coverage but are not ready-made methods.	UNSET
4. A complete test list shall not replace requirement-level closure.	UNSET

Verify: Reconcile the requirement population, test matrix and actual evidence using stable identifiers.

Acceptance: Every applicable requirement has a valid completed evidence path; any essential uncovered row remains HOLD.

Evidence / method / parameter / sample references and limits

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77.2 – Campaign design and article pedigree

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

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

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

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

Evidence / method / parameter / sample references and limits

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77.5 – Original data and invalid tests

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

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

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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78.5 – Security and trusted updates

Source: AF-AST-STD-001 / FIRST EDITION, p. 121; exact source subclause 78.5.

1. Protect source, build, machine instructions, operational data, identities and updates according to the actual threat and safety model.	UNSET
2. Update acceptance shall verify origin, integrity, authority, target, compatibility and interruption behaviour.	UNSET
3. Reversion to an earlier load shall not reintroduce an unacceptable defect without explicit technical disposition.	UNSET
4. Security testing requires written safe authorisation.	UNSET

Verify: Review trust dependencies and execute isolated permitted and prohibited update tests.

Acceptance: All required integrity and protective gates pass; a valid signature alone does not establish functional safety or compatibility.

Evidence / method / parameter / sample references and limits

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78.7 – Recovery and semantic portability

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

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

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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79.3 – Loss of contact and uncertain physical state

Source: AF-AST-STD-001 / FIRST EDITION, p. 122; exact source subclause 79.3.

1. The operator shall define the distinction between missing data, confirmed failure, safe dormant state, lost asset and completed disposition.	UNSET
2. Preserve last valid observations, their age and uncertainty.	UNSET
3. The absence of an alarm or signal shall not establish safe state.	UNSET
4. An inference shall identify its model and limits and shall not be presented as direct observation.	UNSET

Verify: Review the state-classification record against raw evidence and observability limits.

Acceptance: Only a supported state is assigned; uncertain essential conditions retain UNKNOWN in operational records and HOLD in dependent acceptance.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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79.4 – Affected populations and historical decisions

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

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

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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79.5 – Terminal evidence and responsible transfer

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

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

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80.1 – One complete application schedule

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

1. The schedule shall join the object tuple, F01–F08 selection, Annex AK domains, phase/mode matrix, required methods, parameter records, competence, evidence, independent decisions and continuing controls. UNSET

2. All triggers in Annex AO shall be resolved. UNSET

3. Shared records may be reused after relevance review, but shall not merge distinct objects, outcome classes or actual authority. UNSET

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

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

Evidence / method / parameter / sample references and limits

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80.2 – Domain and verification completeness

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

1. Map every applicable domain and requirement to valid verification and to an accountable conclusion. UNSET

2. Treat domain counts, test counts and completed checklist percentages as planning measures only. UNSET

3. Annex T is not exhaustive of all future methods; a newly discovered material mechanism shall create a controlled additional requirement and evidence task before the affected claim proceeds. UNSET

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

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

Evidence / method / parameter / sample references and limits

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80.5 – Continuing conformity and change

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

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

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

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

Evidence / method / parameter / sample references and limits

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4 Retained subject controls and added R07–R12 extensions

F07-G01 – Ground handling and turnaround

Station-specific passenger, baggage, accessibility, ramp, load-control, aircraft-movement and de-/anti-icing interfaces within declared contractual responsibilities. Include only tasks actually delivered and competently demonstrated.

Claim boundary: No loading, pushback or de-icing recipe, flight clearance or general airline operating authority is created.

F07-G01-R01 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Translate the headquarters manual into current station instructions reflecting actual infrastructure, customer data, languages, staffing, climate and operating hours.	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

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F07-G01-R02 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Verify task-specific competence, equipment compatibility, current operational information and permissions; a network membership does not establish local delivery 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

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F07-G01-R03 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Define handovers, checks and stop points between passenger, baggage, ramp, loading, movement and specialist tasks without merging their actual authorities. UNSET

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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F07-G01-R04 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Observe representative routine and disrupted work safely, including peak loads and shift changes; departure of the aircraft is not evidence that every service step was correct. UNSET

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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F07-G01-R05 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Retain discrepancies, damage, delays, interrupted tasks and recovery actions with actual aircraft/service identity and notification recipients.

UNSET

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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F07-G01-R06 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Assess station additions and changed customer, equipment or service conditions before expanding the claim; shared failures trigger review of all dependent stations.

UNSET

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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F07-G01-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 ground handling and turnaround, define the qualified or evaluated envelope for station-specific handling and turnaround interfaces.

UNSET

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

UNSET

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

UNSET

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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F07-G01-R08 – Essential properties and observability

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

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|--|-------|
| 1. Identify the failure and evidence risks specific to this subject: departure on schedule can conceal an unverified task or unresolved load/handover discrepancy. | 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

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F07-G01-R09 – Configuration and data identity

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

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|--|-------|
| 1. Bind station-specific handling and turnaround interfaces 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

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F07-G01-R10 – Subject-specific adverse demonstration

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

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|--|-------|
| 1. Challenge the following mechanism through a safe authorised test, independent record review or controlled simulation appropriate to this subject: trace task-level completion, equipment compatibility, shift change and exception acknowledgement. | UNSET |
| 2. Define the expected outcome before execution, retain original failures and repeat the failed case after correction. | UNSET |

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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F07-G01-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 handling supervisor and authorised receiving operational role.	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

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F07-G01-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 F07-G01 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

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F07-G02 – Cargo, mail and specialist logistics

Acceptance, custody, storage, preparation, transfer and release of declared cargo, mail and specialist shipments at named stations. Dangerous-goods and other restricted tasks require independently verified competence and permissions.

Claim boundary: Capability recognition does not validate unknown contents, replace transport permissions or establish a shipment's technical eligibility solely from its paperwork.

F07-G02-R01 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Establish the actual shipment and service boundaries, customer instructions and necessary specialist permissions before acceptance; a general logistics scope cannot authorise prohibited goods.

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

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F07-G02-R02 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Preserve identification, quantities, seals or other relevant custody evidence during acceptance, build-up, breakdown, storage and subcontracted transfers.

UNSET

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

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F07-G02-R03 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Verify storage, handling equipment, staff competence and environmental monitoring for the declared contents and conditions; validate alarms and missing-data response.

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

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F07-G02-R04 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Identify customer-supplied declarations as such and resolve unsuitable packaging, ambiguous identity or conflicting instructions before a dependent release.

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

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F07-G02-R05 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Trace contamination, damage, temperature or custody excursions to affected consignments and downstream recipients, retaining original evidence and authorised disposition.

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

F07-G02-R06 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Evaluate actual transfers and receiving acknowledgements, including adverse or disrupted work; review new shipment classes, stations and contractors before widening the claim.

UNSET

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F07-G02-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 cargo, mail and specialist logistics, define the qualified or evaluated envelope for cargo/mail custody and specialist logistics. | <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

F07-G02-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: quantity reconciliation can conceal wrong identity or an environmental excursion in transit. | <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

F07-G02-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 cargo/mail custody and specialist logistics 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

F07-G02-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: follow actual consignment identity, storage conditions, subcontractor custody and receiving release. UNSET

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

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F07-G02-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 logistics custodian and authorised consignment recipient. UNSET

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

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

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F07-G02-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 F07-G02 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

F07-G03 – Fuel and energy services

Storage, source verification, quality control, transfer and delivery of named fuels or energy services at identified locations. Conventional fuel, electrical charging and hydrogen-related activities have distinct technical and permission boundaries.

Claim boundary: No fuel formulation, pressure, hazardous operating procedure or whole-flight zero-emission assertion is supplied by this profile.

F07-G03-R01 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Define each actual service and its infrastructure, customer interfaces, competent performers and permissions; do not infer novel-energy capability from conventional fuel experience.	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

F07-G03-R02 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Preserve source, batch or transaction identity, quality evidence and quantity relationships through storage, transfer and delivery.

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

F07-G03-R03 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Implement approved contamination and quality-control methods using suitable sampling, measurement and equipment; record adverse or indeterminate results before release.

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

F07-G03-R04 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Demonstrate compatibility between the delivered energy architecture, ground equipment and supported aircraft or asset; an environmental attribute is not technical interchangeability.

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

F07-G03-R05 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Verify protective functions, interruption response, authorised maintenance and safe emergency coordination under specialist procedures without introducing generic hazardous settings.

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

F07-G03-R06 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Retain delivery records, excursions, affected recipients, correction and actual resumption authority; separately control environmental supply claims under F08-C06.

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

F07-G03-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 fuel and energy services, define the qualified or evaluated envelope for fuel or energy source-to-delivery service.

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

F07-G03-R08 — Essential properties and observability

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

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|--|-------|
| 1. Identify the failure and evidence risks specific to this subject: an environmental attribute or invoice can be mistaken for actual quality-compatible delivered energy. | 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

F07-G03-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 fuel or energy source-to-delivery service 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

F07-G03-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: separate physical source, sampling/quality, metering, aircraft interface and exclusive claim records. | 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

F07-G03-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 energy-service technical authority and accepting aircraft/ground user.	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

F07-G03-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 F07-G03 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

F07-G04 – Ground equipment and technical facilities

Capability for operational support and maintenance of declared ground support equipment, boarding bridges, baggage systems, charging infrastructure, technical utilities and associated assets. Specify direct maintenance versus contracted coordination.

Claim boundary: Equipment service capability is not unrestricted aircraft compatibility, statutory plant approval or proof that every connected device is conforming.

F07-G04-R01 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Maintain an asset/task capability register connecting each included equipment class to compatible aircraft or services and actual responsible technical functions.

UNSET

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F07-G04-R02 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Verify current maintenance and inspection instructions, competent people, tools, protective systems and required permissions before accepting the supported activity.

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

F07-G04-R03 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Trace condition checks, defects and restrictions to specific assets and prevent unavailable or unserviceable equipment from being presented as ready.

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

F07-G04-R04 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Control isolation, bypasses, overrides and temporary repairs through bounded specialist authority, expiry conditions and verified restoration; commercial demand is not a technical waiver.

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

F07-G04-R05 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Validate digital monitoring and condition-based decisions for the relevant mechanisms, configuration and detection limits without silently removing required physical checks.

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

F07-G04-R06 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. After repair or system recovery, establish physical function, data/configuration integrity and actual return authority before service use; review prior affected outputs when protection failed.

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

F07-G04-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 ground equipment and technical facilities, define the qualified or evaluated envelope for ground equipment and technical facility support. | 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

F07-G04-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: equipment availability can conceal an ineffective protective function or unapproved temporary bypass. | 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

F07-G04-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 ground equipment and technical facility support 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

F07-G04-R10 – Subject-specific adverse demonstration

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

1. Challenge the following mechanism through a safe authorised test, independent record review or controlled simulation appropriate to this subject: trace asset configuration, compatibility, maintenance, protection and verified return authority.

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

F07-G04-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 equipment owner and operational service recipient.

UNSET

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

UNSET

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

UNSET

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F07-G04-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 F07-G04 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

F07-G05 – Catering, cabin and sanitation services

Station-specific catering integrity, cleaning, cabin supplies, water/lavatory and sanitation services within declared tasks. Aircraft compatibility, hygienic handling and specialist local obligations remain explicit.

Claim boundary: An ASTRA service result is not a substitute for applicable food, water or workplace permissions and does not authorise use of an incompatible aircraft chemical.

F07-G05-R01 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Define the actual catering, cleaning, water, lavatory or cabin-supply tasks and distinguish the accountable provider from subcontractors and coordinators.	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

F07-G05-R02 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Verify suitable products, chemicals, equipment, storage and personnel for both hygienic performance and the applicable aircraft/customer compatibility requirements.

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

F07-G05-R03 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Control segregation, contamination-sensitive interfaces, relevant time/temperature and custody across preparation, storage, transport and delivery.

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

F07-G05-R04 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Demonstrate task completion and checks under representative conditions, including shift changes and disrupted delivery; generic training attendance is not sufficient.

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

F07-G05-R05 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Trace an adverse hygiene, contamination or compatibility event to actual deliveries, aircraft and customers and implement competent protection, withdrawal or correction.

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

F07-G05-R06 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Review product, chemical, supplier, station and method changes prospectively and retain actual service evidence, notifications and restored 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

F07-G05-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 catering, cabin and sanitation services, define the qualified or evaluated envelope for catering/cabin/sanitation task integrity.

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

F07-G05-R08 – Essential properties and observability

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

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|--|-------|
| 1. Identify the failure and evidence risks specific to this subject: a completed delivery record can conceal contamination or time/temperature loss at an interface. | 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

F07-G05-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 catering/cabin/sanitation task integrity 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

F07-G05-R10 – Subject-specific adverse demonstration

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

- | | |
|--|-------|
| 1. Challenge the following mechanism through a safe authorised test, independent record review or controlled simulation appropriate to this subject: trace relevant custody, segregation, compatibility, excursions and affected-delivery notices. | 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

F07-G05-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 service supervisor and authorised aircraft-service recipient.	UNSET
2. Reconcile identity, configuration, conditions, unresolved limitations, technical eligibility, remaining duties and readable evidence.	UNSET
3. Identify the actual performer and the organisation retaining acceptance responsibility.	UNSET

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F07-G05-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 F07-G05 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

F07-G06 – FBO and business-aviation support

A fixed-base operator's named service package covering declared passenger/crew support, property care, parking and handling coordination, communications and underlying technical services. Directly performed and arranged activities remain separately identified.

Claim boundary: Coordination capability does not certify every underlying provider, give aircraft release powers or prove services at unassessed network locations.

F07-G06-R01 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Describe the actual package and accountable entity for each service, distinguishing coordination from direct performance in contracts and public wording.

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

F07-G06-R02 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Apply relevant G01–G05 or specialist controls to underlying activities; the FBO package label does not waive their task-specific 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

F07-G06-R03 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Verify provider capability, current permissions, availability, local instructions and receiving interfaces before promising a delivered service.

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

F07-G06-R04 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Protect passenger, crew and business information through purpose-bound access, while maintaining sufficient records to establish service responsibility and actual completion.

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

F07-G06-R05 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Demonstrate accessible service, emergency communication, disrupted-provider handling and truthful customer information under representative local conditions.

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

F07-G06-R06 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Monitor subcontractors and package changes with separate technical review of new tasks, preserving historical complaints, corrections and actual provider identities.

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

F07-G06-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 fbo and business-aviation support, define the qualified or evaluated envelope for direct and coordinated fixed-base services. | <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

F07-G06-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 coordination contract can be misrepresented as direct specialist delivery capability. | <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

F07-G06-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 direct and coordinated fixed-base services 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

F07-G06-R10 – Subject-specific adverse demonstration

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

1. Challenge the following mechanism through a safe authorised test, independent record review or controlled simulation appropriate to this subject: verify actual performers, local task scopes, acceptance and exception handover across the package. 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

F07-G06-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 FBO coordination owner and underlying service providers. 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

F07-G06-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 F07-G06 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

F07-G07 – Flight and air-navigation support

Dedicated dispatch or flight-support, communications, navigation, surveillance and meteorological-support activities within named service boundaries. Each technical discipline requires its own method, competency and permission schedule.

Claim boundary: No public air-navigation authority, airline operating licence, flight clearance or guaranteed operational safety follows from a generic support-service outcome.

F07-G07-R01 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Distinguish data provision, advice and actual operational authority and confirm required specialist permissions for the precise service and region.	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

F07-G07-R02 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Trace source data, transformations, reference systems, units, versions and time definitions through the delivered output to the intended user.

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

F07-G07-R03 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Validate accuracy, timeliness, completeness and relevant integrity conditions separately; high availability cannot compensate for wrong or stale operational information.

UNSET

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F07-G07-R04 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Challenge wrong, missing, late, superseded or inconsistent inputs and verify alerts, fallback, communication and authorised restoration using safe representative cases.

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

F07-G07-R05 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Assign discipline-specific competent personnel and independent review to technical conclusions, preserving source entitlement and controlled access to sensitive 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

F07-G07-R06 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Assess changes in source, coverage, software, criteria or responsibility before expanding scope and notify recipients when earlier outputs become unsupported.

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

F07-G07-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 flight and air-navigation support, define the qualified or evaluated envelope for flight/navigation-support data and authority.

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

F07-G07-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: fresh receipt time can conceal stale or wrong-frame source information. | <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

F07-G07-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 flight/navigation-support data and authority 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

F07-G07-R10 — Subject-specific adverse demonstration

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

- | | |
|--|------------------------------------|
| 1. Challenge the following mechanism through a safe authorised test, independent record review or controlled simulation appropriate to this subject: trace origin, transformations, units, event age, uncertainty and adverse/fallback response. | <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

F07-G07-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 specialist data-service authority and actual operational user.	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

F07-G07-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 F07-G07 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

F07-G08 – Aviation digital and operational systems

Deployed aviation software and digital services affecting operations, information, coordination or technical evidence. The evaluated object is the defined service configuration and its responsibilities, not every integrated customer or third-party output.

Claim boundary: A platform outcome is not certification of every generated output, every connected provider or the safety of all customer operations.

F07-G08-R01 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

 1. Define intended use, data ownership, authority and critical dependencies for the actual deployment, including decisions that remain with customers or other providers. 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

F07-G08-R02 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

 1. Control source, build, configuration, interfaces and loaded artefacts; validate the deployed target rather than rely solely on a vendor 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

F07-G08-R03 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

 1. Test wrong, late, missing and conflicting data, prohibited actions and degraded operation as well as ordinary availability; keep expected outcomes independent of observed software behaviour. 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

F07-G08-R04 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Govern human and machine access, privileged changes, supplier connections and updates with attributable authority and safety-security compatibility review.

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

F07-G08-R05 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Bound any AI or model support by validated purpose, provenance, performance and human oversight; automated outputs cannot independently create ASTRA status or operational 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

F07-G08-R06 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Demonstrate rollback or recovery, semantic export and receiving custody; retain defects and affected historical outputs through provider or system replacement.

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

F07-G08-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 aviation digital and operational systems, define the qualified or evaluated envelope for deployed aviation digital and operational services. | <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

F07-G08-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: high uptime can conceal wrong outputs, incompatible configuration or ineffective fallback. | <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

F07-G08-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 deployed aviation digital and operational services 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

F07-G08-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: replay missing, stale, wrong-version and interrupted-update cases on the accepted local deployment.

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

F07-G08-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 digital-service authority and affected operational recipients.

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

F07-G08-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 F07-G08 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

F07-G09 – Specialist aviation security services

Assessment of authorised specialist security-service provider capability, staff and equipment within declared aviation tasks. Detailed tactical methods and sensitive vulnerabilities remain in protected authorised systems.

Claim boundary: ASTRA does not transfer public security powers, authorise intrusive activity or supply tactical bypass, offensive or operational attack instructions.

F07-G09-R01 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Confirm the provider's actual legal identity, task permissions and responsibility boundary before requesting or examining sensitive evidence.	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

F07-G09-R02 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Demonstrate task-specific staff competence, training, equipment suitability and applicable suitability checks through lawful records rather than a general security credential.

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

F07-G09-R03 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Establish independent competent reviewers with sufficient protected access; a secrecy restriction cannot be treated as positive evidence of 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

F07-G09-R04 — Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Evaluate authorised performance, handovers, equipment checks and exception management within safe pre-agreed boundaries, without publishing operational vulnerabilities or directing security activity.

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

F07-G09-R05 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Preserve incident, complaint and corrective-action evidence with fair investigation, restricted personal data and proportionate recipient communication.

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

F07-G09-R06 – Retained subject control

Retained operating subject control; latest core 23; 62 and Annex AL.

1. Limit public claims to the actually reviewed service/site and permissions; review changes in mandate, technology, staff or provider interfaces before extending the outcome.

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

F07-G09-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 specialist aviation security services, define the qualified or evaluated envelope for authorised specialist security service evidence.

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

F07-G09-R08 — Essential properties and observability

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

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|--|-------|
| 1. Identify the failure and evidence risks specific to this subject: a corporate credential can be mistaken for unrestricted public security powers. | 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

F07-G09-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 authorised specialist security service evidence 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

F07-G09-R10 — Subject-specific adverse demonstration

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

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|--|-------|
| 1. Challenge the following mechanism through a safe authorised test, independent record review or controlled simulation appropriate to this subject: review legitimate scope, specialist competence and sufficient protected evidence without disclosing tactical methods. | 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

F07-G09-R11 – Receiving interface and bounded output

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

1. Deliver the bounded output to authorised security service owner and competent oversight recipient.	UNSET
2. Reconcile identity, configuration, conditions, unresolved limitations, technical eligibility, remaining duties and readable evidence.	UNSET
3. Identify the actual performer and the organisation retaining acceptance responsibility.	UNSET

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

F07-G09-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 F07-G09 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

AK03 — Launch sites and spaceports

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

1. Named site/operator, vehicle and payload classes, utilities, restrictions and receiving parties.

UNSET

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

Acceptance: No site outcome is used as vehicle, launch or mission permission.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

AK04 — Launch and deployment interfaces

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

1. Article pedigree, qualification envelope, interfaces and distinct readiness/permission decisions.

UNSET

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

Acceptance: Every required integration and protective condition is met before the actual commitment.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

AK28 — Space logistics and distributed supply

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

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

UNSET

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

AK29 – Specialised energy infrastructure

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

1. Architecture, margins, protection, specialist permissions, heat rejection and terminal inventory.

UNSET

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

Acceptance: Performance never substitutes for safety, source authority or terminal accountability.

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

AK32 – Retirement and long-term stewardship

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

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

UNSET

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

P01 – Mission and scope

ASTRA Annex AO; P01

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

UNSET

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

P02 – Environment and exposure

ASTRA Annex AO; P02

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

UNSET

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

P03 — Requirements and acceptance

ASTRA Annex AO; P03

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

UNSET

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

Acceptance: Every condition is evaluable before observations are judged.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

P09 — Power and energy

ASTRA Annex AO; P09

1. End-of-life generation, peak load, usable storage, efficiency, outage/eclipses, mode durations and terminal reserve.

UNSET

Verify: Review prospective derivation: Configuration-specific phase budget and protection tests.

Acceptance: Power and energy limits both pass without duplicate reserve credit.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

P11 — Communication and timing

ASTRA Annex AO; P11

1. Distance, frequency/wavelength, gain/loss, noise, rate, margin, latency, event time, age, clock error and outage.

UNSET

Verify: Review prospective derivation: Validated end-to-end budget and adverse service tests.

Acceptance: Required quality, delay and integrity conditions all pass.

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

P15 – Security and command authority

ASTRA Annex AO; P15

1. Identities, roles, privileges, keys/trust, target, validity window, command sequence, integrity and interruption response.

UNSET

Verify: Review prospective derivation: Written test authorisation and deployed workflow validation.

Acceptance: No prohibited authority or unverified command state is accepted.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

P16 — Reliability and availability

ASTRA Annex AO; P16

1. Population, exposure, failure definition, observation, dependencies, confidence model, downtime and maintenance exclusions.

UNSET

Verify: Review prospective derivation: Prospective statistical design plus engineering mechanism evidence.

Acceptance: The actual demonstrated bound meets the approved claim; zero failures is not zero risk.

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

P17 — Logistics and environmental claims

ASTRA Annex AO; P17

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

UNSET

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

P18 — Decision, continuity and terminal duties

ASTRA Annex AO; P18

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

UNSET

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

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

Evidence / method / parameter / sample references and limits

Reviewer / actual event time

Finding / action / child-condition ledger

Final independent closure and continuing duties

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

Full child ledger and population reconciliation

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

Independent result and rejected / held scope

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

Actual authority and approval record

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

Continuing monitoring and receiving custody

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

Appendix B — Local adoption, validation and receiving acceptance

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

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

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