



ASTRA

AEROSPACE STANDARD

CONTROLLED SCHEDULE

Programme Service Terms, Fees and Local Conditions Schedule

AF-AST-SC-002

FIRST EDITION

30 September 2026 | English master text

Aviation / Space / Defense / Future systems

Publication identity and use

Control	Publication information
Code and title	AF-AST-SC-002 — Programme Service Terms, Fees and Local Conditions Schedule
Edition and publication date	FIRST EDITION 30 September 2026 English master text
Accountable function	Assurance Programme Manager
Controlling technical basis	AF-AST-STD-001 / AF ASTRA-100:2026; supplied 248-page FIRST EDITION, Clauses 0–80 and Annexes A–AR.
Source fingerprint	fe0f775b3f57e43c7ad6b3d4ab17ac0ff872d3ce8c88fcd9ae9a0116b23209b1
Portfolio	108 retained document codes; F01–F08; 68 retained technical subjects. All-space and verification domains are applicability tags, not additional families.
Publication and operation	Prepared publication. Actual technical approval, consultation, institutional adoption, operational effectivity and individual scope activation require separate authentic records.

Purpose and application

Versioned participation and operator-service terms, fee categories, local conditions and commercial responsibilities without outcome-linked incentives.

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 Scope, controlled parameters and owner

Versioned participation and operator-service terms, fee categories, local conditions and commercial responsibilities without outcome-linked incentives.

This schedule applies only after its actual adoption for the specified scope. Identify the controlling core, profile and service agreement versions, authorised owner and effective date. Local values may be more protective when justified but cannot silently weaken a superior requirement. Uncompleted approval fields remain blank.

2 Required agreement clauses

Terms group	Actual content to complete
Parties and capacity	Exact legal parties, authorised representatives, service scope, responsible issuer and actual performer.
Scope and versions	Outcome class, profile and criteria versions, sites, methods, tasks, configurations, exclusions and available versus developmental services.
Evidence and access	Source availability, lawful witnessing, safe work, confidentiality, privacy, subcontractors, statements and obligations to provide materially complete information.
Financial	Actual currency, taxes, rates, estimated quantities, travel/testing charges, invoice/payment terms, changes, cancellation and refund rules. No assumed amounts are inserted.
Decision separation	No guaranteed result, outcome-linked remuneration or purchase of favourable findings. Fees pay for service effort, not conformity.
Continuing duties	Surveillance, notification, marks, registry, corrections, complaints, appeals, retention, transfer and cessation.
Liability and jurisdiction	Competent selection for the actual relationship, insurance or justified provision, dispute route, local permissions and authorised signatories.

This is a service-parameter schedule and drafting architecture, not a jurisdiction-specific executed contract or a legal opinion. Actual law, liability clauses and dispute terms require competent local selection. The supplied AF source does not establish universal fee values or governing jurisdiction.

3 Fee categories and controls

Charge category	Control
Application / admission	Publish the actual review charge and treatment of incomplete or declined requests.
Evaluation / specialist work	Use the necessary work breakdown and separately identified specialist activities.
Testing / travel / translation	Identify actual outsourced charges, assumptions, authorisation for variation and exclusions.
Surveillance / renewal / extension	Define the corresponding scope and necessary effort; booking never extends status.
Correction / reassessment	Explain additional work and charges without allowing payment to remove a justified finding.
Cancellation / refund / withdrawal	Use disclosed conditions while preserving evidence, safety, privacy and other continuing duties.

1 Completion workflow and validation contract

Versioned participation and operator-service terms, fee categories, local conditions and commercial responsibilities without outcome-linked incentives.

Open a working copy, retain its code and existing field names, and enter record identity before technical details. Complete common identity, the original module fields, all triggered assurance extensions, independent review and receiving handover. An expression of interest, prepared application, test design or unsigned record is not a live positive outcome. Record blank, missing, invalid and disputed information explicitly rather than replacing it with favourable text.

Input group	Validation before reliance	Invalid / incomplete response
Identity and configuration	Stable IDs; actual object and performer; correct profile, method and loaded configuration.	HOLD dependent use; resolve wrong-object or wrong-version evidence.
Numbers and units	Finite real values; compatible units; ordered limits; non-negative uncertainty; unrounded source retained.	Reject malformed inputs. Blank, NaN or infinity is not zero.
States and evidence	Received/reviewed/accepted evidence states separate from PASS/FAIL/HOLD/N/A.	UNSET is not a fifth favourable state; preserve the gap.
People and time	Current competence, conflict clearance and authority at actual event time; declared time convention.	Later renewal cannot validate an earlier unauthorised action.
Approval and custody	Authentic approval instrument, exact permitted action and actual receiving acceptance.	No approval inferred from a typed name, file presence or sending a message.

The PDF stores entered text but does not enforce access rights, numerical logic, identity verification, automatic deadlines or live registry states. A competent authorised person applies the checks. Local digital systems require their own validation. Printing may omit text that exceeds a visible field: complete the continuation record and reference it from the parent field.

2 Acceptance and original record preservation

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.

3 Source and record relationship crosswalk

The references below use the supplied 248-page FIRST EDITION. Each row retains the original clause identifier and source page. The operating instructions in this document elaborate implementation; they do not replace the full source condition or its applicable annexes. A reference to a whole chapter requires selection of every triggered subclause, not only the examples printed here.

ASTRA ID / page	Source subject	Implementation use
3.2 / 12	Accrediting and delivery entities	Requirement, objective evidence and local child predicates
3.5 / 13	Commercial and leadership boundaries	Requirement, objective evidence and local child predicates
3.6 / 13	Liability, continuity and accountability	Requirement, objective evidence and local child predicates
5.5 / 15	External provision and sub-tier responsibility	Requirement, objective evidence and local child predicates
6.2 / 16	Participation and equal treatment	Requirement, objective evidence and local child predicates
11.1 / 22	Expression of interest and formal application	Requirement, objective evidence and local child predicates
11.2 / 22	Technical and impartiality review	Requirement, objective evidence and local child predicates
11.3 / 22	Existing evidence and reuse	Requirement, objective evidence and local child predicates
11.4 / 22	Binding terms and holder duties	Requirement, objective evidence and local child predicates
11.5 / 23	Authorisation to act for AF	Requirement, objective evidence and local child predicates
11.6 / 23	Fees, corrections and withdrawal	Requirement, objective evidence and local child predicates
12.4 / 24	Time and productive work	Requirement, objective evidence and local child predicates
29.5 / 47	Financial sustainability and public benefit	Requirement, objective evidence and local child predicates
30.3 / 48	Reliance and cooperation agreements	Requirement, objective evidence and local child predicates

ASTRA ID / page	Source subject	Implementation use
48.1 / 71	Critical suppliers and actual performers	Requirement, objective evidence and local child predicates
48.2 / 71	Flow-down and acknowledgement	Requirement, objective evidence and local child predicates
62.1 / 88	Atomic requirement record	Explicit verification and acceptance predicate
62.2 / 88	Mandatory parameter completion	Explicit verification and acceptance predicate
62.5 / 89	No compensation or favourable default	Explicit verification and acceptance predicate
63.2 / 90	Object and activity rather than a universal label	Explicit verification and acceptance predicate
63.6 / 91	Interface and lifecycle closure	Explicit verification and acceptance predicate
64.4 / 92	Resource budgets and coupled margins	Explicit verification and acceptance predicate
69.1 / 102	Consent and exact intervention	Explicit verification and acceptance predicate
75.7 / 115	Handover, resource claims and closure	Explicit verification and acceptance predicate
80.1 / 124	One complete application schedule	Explicit verification and acceptance predicate
80.3 / 124	Competent independent closure	Explicit verification and acceptance predicate
80.4 / 124	Bounded claim and publication	Explicit verification and acceptance predicate

4 Detailed module implementation

AF-AST-PR-003 – Application, Eligibility and Contract Review

Implementation basis: 11.1 (p. 22); 11.2 (p. 22); 11.3 (p. 22); 11.4 (p. 22); 62.1 (p. 88); 62.2 (p. 88); 63.2 (p. 90); 63.6 (p. 91); 80.1 (p. 124); 80.4 (p. 124)

X03.1 Classify request and object separately

Distinguish enquiry, development request, formal application and each requested outcome. Collect actual performer, configuration, site, mission domain and period without assuming the applicant controls the whole mission.

Completion / hold: Only a released, evaluable scope enters live assessment; incomplete scope stays deferred or in development.

X03.2 Confirm competent delivery before commitment

Check actual specialists, independent review, panel availability, lawful evidence access and local or remote witnessing feasibility. Identify missing domain expertise before a commercial offer.

Completion / hold: An unsatisfied essential resource or independence condition prevents an unconditional assessment commitment.

X03.3 Define evidence access and dependencies

Agree usable access to original observations, proprietary technical evidence, upstream/downstream interfaces, relevant incident history and remote records.

Completion / hold: A confidentiality promise does not close inaccessible essential evidence; use a lawful bounded route or defer.

X03.4 Freeze accepted terms and amendments

Name the services, criteria, actual obligations, costs, handovers, permissions, record custody, remedies and withdrawal effects. Treat added mission domains as a scope change, not an administrative edit.

Completion / hold: The accepted contract and every technical result must refer to the same exact object and controlled criteria.

Record contract: the actor records the input baseline, actual work, deviations, result and evidence link; the named receiving function acknowledges access and the permitted next action. A returned or incomplete handover retains the original event history. Use the associated FR modules and RG record links; no document or database field confers actual authority.

AF-AST-PR-022 – Provider Agreements, Authorisation and Outsourced Work

Implementation basis: 3.2 (p. 12); 3.6 (p. 13); 5.5 (p. 15); 11.5 (p. 23); 48.1 (p. 71); 48.2 (p. 71); 63.6 (p. 91); 69.1 (p. 102); 75.7 (p. 115); 80.3 (p. 124)

X22.1 Identify actual performance and retained responsibility

Distinguish scheme owner, accredited provider, delegated operator, supplier and applicant. Name the tasks and locations actually performed by each party.

Completion / hold: An intermediary cannot claim direct capability or transfer retained final decision responsibility by contract wording alone.

X22.2 Complete authority and competence independently

Check technical capability, written permission, executed operator MoU where triggered and territorial/activity limits.

Completion / hold: An agreement title without actual competent delivery or valid authority does not release the scope.

X22.3 Flow down technical and custody duties

Transmit configuration, criteria, evidence access, changes, incidents, confidentiality, retention and receiving acceptance to the actual sub-tier performer.

Completion / hold: Commercial approval cannot replace technical acknowledgement and demonstrated implementation.

X22.4 Plan monitored transfer and exit

Retain original decisions, open findings, status, liabilities, records and continuing recipients during substitution or cessation.

Completion / hold: Changing provider cannot turn suspended or unsupported evidence into a valid result.

Record contract: the actor records the input baseline, actual work, deviations, result and evidence link; the named receiving function acknowledges access and the permitted next action. A returned or incomplete handover retains the original event history. Use the associated FR modules and RG record links; no document or database field confers actual authority.

AF-AST-PR-023 – Fees, Resources and Financial Separation

Implementation basis: 3.5 (p. 13); 3.6 (p. 13); 6.2 (p. 16); 11.6 (p. 23); 12.4 (p. 24); 29.5 (p. 47); 62.5 (p. 89); 64.4 (p. 92); 80.3 (p. 124)

X23.1 Cost real work rather than favourable outcomes

Build the resource basis from necessary evaluation, specialists, reporting, independent review, panel, protection and continuity.

Completion / hold: A fee or capacity target cannot delete required technical work or purchase a positive decision.

X23.2 Separate commercial and technical authority

Record who approves fees, discounts, grants, resources and case outcomes. Assess funding concentration and incentives without inventing a universal safe percentage.

Completion / hold: Any unresolved influence on technical judgement requires effective control before case assignment or decision.

X23.3 Disclose the actual service conditions

State currency, taxes where applicable, inclusions, travel/testing, cancellation, withdrawal, refund and local conditions through genuine approved terms.

Completion / hold: No template amount is a published fee until actually authorised; financial disputes are not fabricated competence findings.

X23.4 Verify continuity capacity

Test whether independent review, remedies, records and corrective action remain resourced during delayed income or provider exit.

Completion / hold: Lack of reserves for essential duties is an operational readiness gap, not a reason to weaken the standard.

Record contract: the actor records the input baseline, actual work, deviations, result and evidence link; the named receiving function acknowledges access and the permitted next action. A returned or incomplete handover retains the original event history. Use the associated FR modules and RG record links; no document or database field confers actual authority.

5 Workflow and relationship diagram

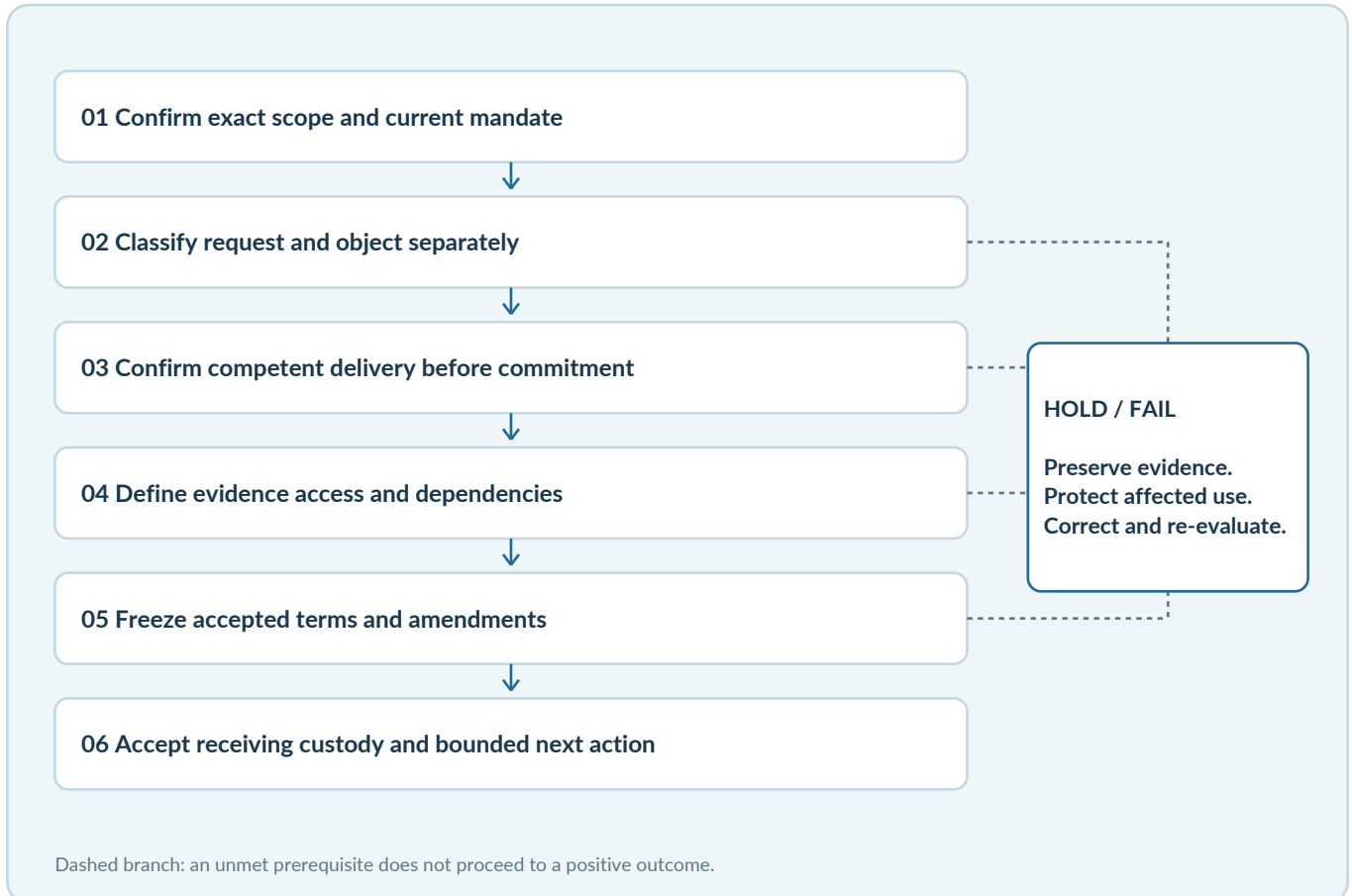
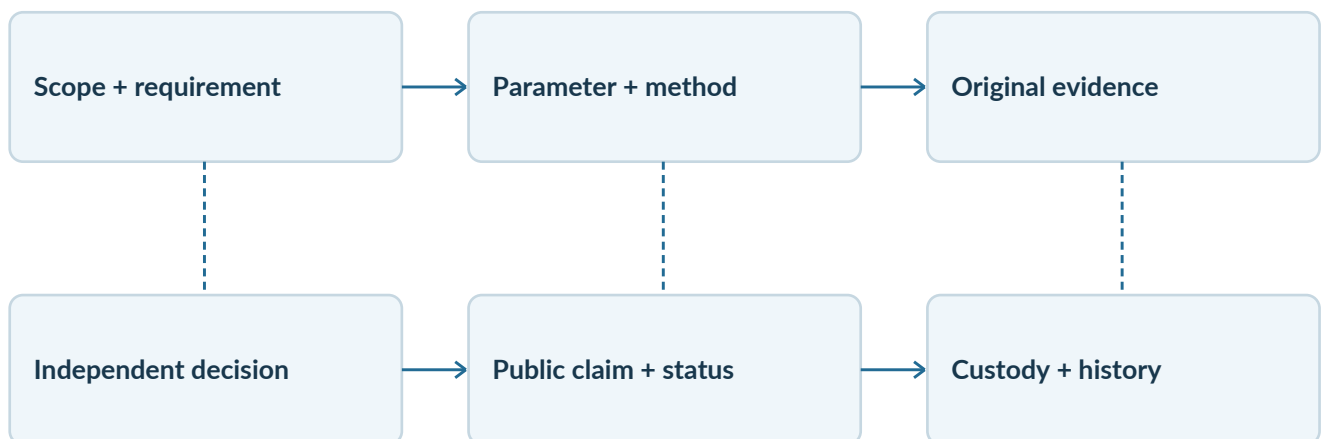


Figure — Implementation sequence for AF-AST-PR-003. Explanatory diagram; the source prerequisites and actual authority remain controlling.



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.

6 Worked recording and calculation examples

The worked calculations below reproduce the supplied standard's Annex AM examples. Charted extensions are newly computed synthetic illustrations of those equations, not measured mission performance or new universal limits. A result is usable only when the actual inputs, model, units, uncertainty and approved application predicate are valid. A successful arithmetic check is not field validation.

AM.Q03 Positive-decision conjunction and essential failure

Source: ASTRA Annex AM, Q03, page 202. All numerical inputs in this example are synthetic.

$G = S \wedge P \wedge E \wedge F \wedge C \wedge I \wedge A$

Requirement completion = completed applicable rows / all applicable rows

Variables and units

S=valid scope; P=all predicates passed; E=adequate valid evidence; F=all in-scope findings closed; C=competence; I=independence; A=actual authority.

Example inputs

A synthetic file has 200 applicable rows; 190 are complete. One remaining row concerns an essential protective control. Six other gate groups are true.

Calculation and checks

1. Completion = $190/200 = 0.95 = 95\%$.
2. The unverified essential row makes P false and E false for the requested conclusion.
3. $G = \text{true false false} \dots = \text{false}$.

Decision interpretation: No positive grant. The completion percentage is a planning measure only. A conditional development permission is a separate bounded action, not a conformity certificate.

Validity limits: No averaging, vote or commercial action can change a false mandatory gate. N/A requires independent approval of the absent trigger; it is not a way to remove unfinished work.

ASTRA connections: 15.2; Annex G.1; 62.5; 80

Completion is not the grant decision

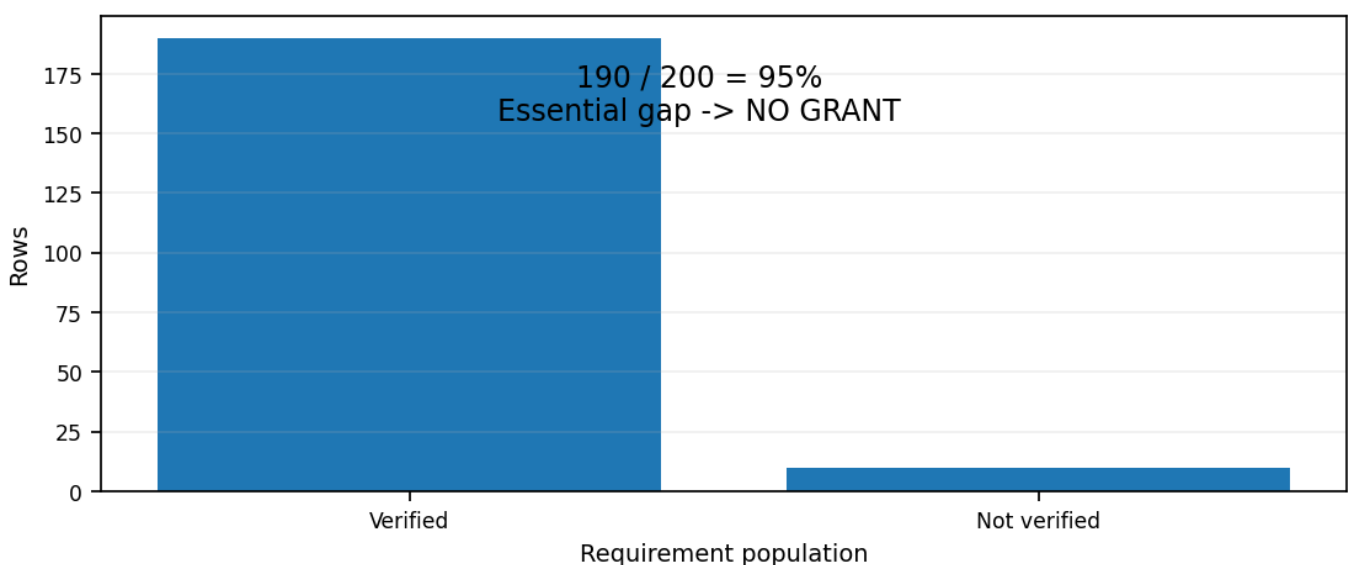


Figure Q03 — Synthetic visualisation. The axes and stated scenario define the quantity; no graph is an accreditation score, approved operating envelope or evidence of a real mission.

Local replay record: retain the actual input manifest, source versions, calculation version, unit checks, independent recomputation, expected/observed boundary results, limitations and decision authority. Do not overwrite the teaching inputs as though they were operational data.

AM.Q05 Productive evaluation time without double counting

Source: ASTRA Annex AM, Q05, page 204. All numerical inputs in this example are synthetic.

$$T_{\text{eval}} = \Sigma h_i / 8 \text{ evaluator-days}$$

Total resource = evaluation + separate reporting/review/travel resources

Variables and units

h_i are distinct productive technical person-hours. Shared tasks are counted once unless distinct real work is documented.

Example inputs

Synthetic tasks: 12, 12, 12, 8 and 4 productive hours. Report 6 h; independent review 5 h; panel 3 person-hours.

Calculation and checks

1. Evaluation hours = $12+12+12+8+4 = 48$ h.
2. $T_{\text{eval}} = 48/8 = 6$ evaluator-days.
3. Separate report/review/panel time = $6+5+3 = 14$ person-hours.
4. Total stated technical resources = 62 person-hours before travel and other separately justified work.

Decision interpretation: Six evaluator-days describes only this synthetic activity breakdown. It is not a universal minimum or quotation.

Validity limits: Do not count a trainee as an independent productive assessor or two passive observers as two completed tasks. Calendar duration, person-hours and evaluator-days are distinct.

ASTRA connections: 12.4; Annex F.1; 58.2

Productive work and independent resources

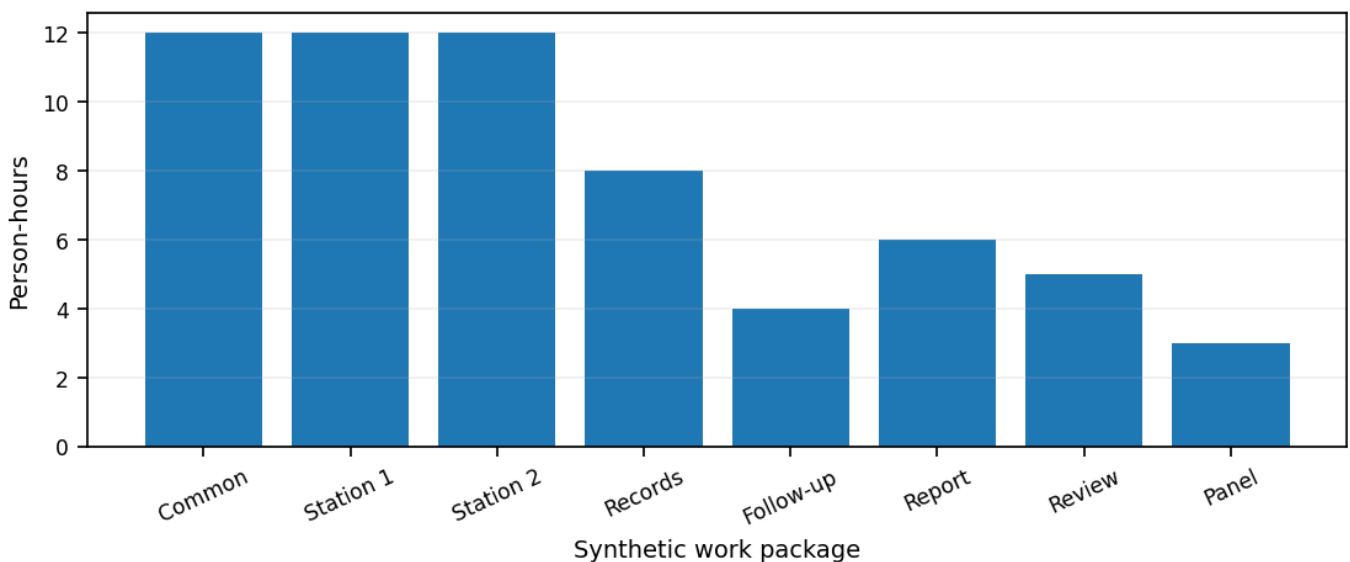


Figure Q05 – Synthetic visualisation. The axes and stated scenario define the quantity; no graph is an accreditation score, approved operating envelope or evidence of a real mission.

Local replay record: retain the actual input manifest, source versions, calculation version, unit checks, independent recomputation, expected/observed boundary results, limitations and decision authority. Do not overwrite the teaching inputs as though they were operational data.

AM.Q23 Material genealogy, yield and retained work

Source: ASTRA Annex AM, Q23, page 222. All numerical inputs in this example are synthetic.

$$\text{Input} = \text{good} + \text{reject} + \text{tests} + \text{losses} + \text{work_in_progress}$$

$$\text{First-pass yield} = \text{accepted_first_pass_output} / \text{input}$$

Variables and units

All quantities shall use a consistent lot and period. Recovered material remains linked to its origin and is not counted twice as new production.

Example inputs

Synthetic input=500 units; good first-pass=410; reject=30; destructive tests=10; process losses=20; work in progress=30.

Calculation and checks

1. Reconciliation= $410+30+10+20+30=500$ units.
2. First-pass yield= $410/500=82\%$.
3. If 20 rejected units are later recovered, the recovery does not increase original input or first-pass output.

Decision interpretation: The quantity balance closes. Technical identity, condition and acceptance evidence still determine whether the 410 outputs are eligible.

Validity limits: A closed balance does not prove authenticity, completeness or material quality. Mixing quantities with different units or unverified scrap/recovery transfers invalidates the reconciliation.

ASTRA connections: 18.4; 48.4; Annex AC; 75.4

Original input reconciliation

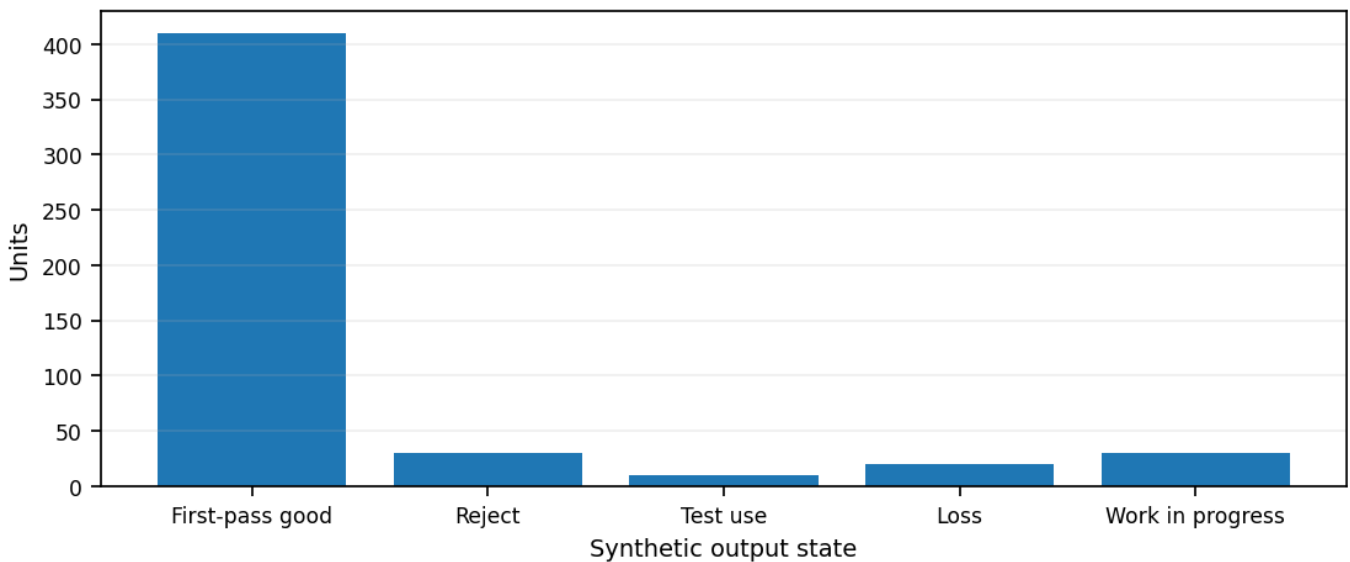


Figure Q23 — Synthetic visualisation. The axes and stated scenario define the quantity; no graph is an accreditation score, approved operating envelope or evidence of a real mission.

Local replay record: retain the actual input manifest, source versions, calculation version, unit checks, independent recomputation, expected/observed boundary results, limitations and decision authority. Do not overwrite the teaching inputs as though they were operational data.

7 Missing, invalid and prohibited input cases

Challenge	Expected handling	Evidence retained
PR-003: Classify request and object separately — required basis missing	Only a released, evaluable scope enters live assessment; incomplete scope stays deferred or in development.	Original input, unresolved value, affected requirement and scope; named action owner.
PR-003: Freeze accepted terms and amendments — handover or review incomplete	The accepted contract and every technical result must refer to the same exact object and controlled criteria.	Expected and observed state; independent replay; correction/retest; receiving acknowledgement.
PR-022: Identify actual performance and retained responsibility — required basis missing	An intermediary cannot claim direct capability or transfer retained final decision responsibility by contract wording alone.	Original input, unresolved value, affected requirement and scope; named action owner.
PR-022: Plan monitored transfer and exit — handover or review incomplete	Changing provider cannot turn suspended or unsupported evidence into a valid result.	Expected and observed state; independent replay; correction/retest; receiving acknowledgement.
PR-023: Cost real work rather than favourable outcomes — required basis missing	A fee or capacity target cannot delete required technical work or purchase a positive decision.	Original input, unresolved value, affected requirement and scope; named action owner.
PR-023: Verify continuity capacity — handover or review incomplete	Lack of reserves for essential duties is an operational readiness gap, not a reason to weaken the standard.	Expected and observed state; independent replay; correction/retest; receiving acknowledgement.

Before local reliance, also select every relevant AP01–AP48 challenge in the core. Keep fictional tests isolated from live credentials, commands and recipients. For each test define the requirement, precondition, expected response, execution steps, actual observations, evidence, defect consequence, correction, retest and acceptance. This publication supplies test designs and examples, not completed local validation records.

F1 Retained record fields

Existing field identifiers and meanings are retained for continuity with the earlier PDF forms and register payloads. The larger response areas below are blank. Enter authentic information, link original evidence and use controlled continuations when the visible area is insufficient. Do not use the edition date as an actual case, observation or decision date.

Retained fields 1 onward

Agreement / local-schedule ID and version

Identify the actual source records and responsible reviewer for each element named in this field. Keep unknowns, rejected evidence and incomplete receiving actions visible; a completed narrative is not proof of underlying work.

Actual parties and authorised signatories

Identify the actual source records and responsible reviewer for each element named in this field. Keep unknowns, rejected evidence and incomplete receiving actions visible; a completed narrative is not proof of underlying work.

Exact services, scope, profiles and excluded work

Identify the actual source records and responsible reviewer for each element named in this field. Keep unknowns, rejected evidence and incomplete receiving actions visible; a completed narrative is not proof of underlying work.

Currency, taxes and approved fee amounts

Identify the actual source records and responsible reviewer for each element named in this field. Keep unknowns, rejected evidence and incomplete receiving actions visible; a completed narrative is not proof of underlying work.

Task rates, quantities and total-calculation basis

Identify the actual source records and responsible reviewer for each element named in this field. Keep unknowns, rejected evidence and incomplete receiving actions visible; a completed narrative is not proof of underlying work.

Travel, testing, translation and additional-cost approval

Identify the actual source records and responsible reviewer for each element named in this field. Keep unknowns, rejected evidence and incomplete receiving actions visible; a completed narrative is not proof of underlying work.

Invoicing, payment, cancellation and refund conditions

State the work package, quantity, unit, rate or productive duration, responsible resources, technical rationale and approval. Allocate shared work once; separate evaluation from reporting, independent review, travel and administration. Commercial terms cannot purchase or weaken a technical result.

Liability, governing law and dispute terms selected by competent authority

Identify the actual scoped permission, holder, issuing authority, validity and relevant limitation. Obtain competent local review for legal terms and restricted activity. ASTRA publication or membership is not a statutory operating permission.

Retained fields 9 onward

Access, data, marks, surveillance and remedy terms

Record exact affected scope, current and prior states, original decision/expiry and actual surveillance completions, changes, action owners and notices. Restoration does not validate a suspended interval or extend expiry without the required renewal.

Effective dates and authentic execution references

Identify the actual source records and responsible reviewer for each element named in this field. Keep unknowns, rejected evidence and incomplete receiving actions visible; a completed narrative is not proof of underlying work.

F2 All-domain assurance extensions

Complete each triggered extension, or link an independently approved non-applicability record. These fields are added to support Clauses 62–80 and Annexes AK–AR. A field may reference an equivalent controlled dossier; sensitive technical information need not be copied into every form.

Mission/domain applicability

Annex AK domain ID(s), activity and retained duty; record absent triggers with independent exclusion approval. Unknown applicability is HOLD.

Phase and operating-mode matrix

Identify normal, degraded, dormant, transport, test, service, emergency and terminal states relevant to the exact object. Link each required cell to evidence.

Complete atomic requirement population

Source clause and child IDs; all separately testable conditions; accountable owner; source version and exact intended conclusion.

Prospective technical parameters

Annex AO groups; actual values or defined attributes; units, bounds and inclusivity; conditions; derivation and genuine approval before evaluation.

Evidence validity and purpose

Original source IDs, configuration, method, performer authority at event time, accessible originals, uncertainty and limits. Received does not mean accepted.

Accepted predicate and uncertainty rule

Approved numerical or attribute predicate; unrounded inputs; uncertainty/dependence; validity domain; prospective alternative-rule authorisation where used.

Current child states and unresolved conditions

PASS / FAIL / HOLD / independently approved N/A by child. Blank is unrecorded. Identify every open finding, missing parameter and unresolved limitation.

Configuration and environment difference matrix

As-designed/built/tested/delivered/operated states; source or software changes; retained and invalidated evidence; required new demonstration.

Resource and shared-dependency review

Concurrent power/energy/data/time/consumables or staff duties, common causes, reserve ownership and support availability; do not count one reserve twice.

Command, remote evidence or service completion

Actual target, actor, event and receipt times, authority, transmission/receipt/execution/completion distinction, observability and unknown physical state.

Adverse-case and boundary-test record

Relevant AP case IDs plus local challenges; preconditions, expected and observed response, raw evidence, defect, correction, retest and genuine acceptance.

Independent calculation and decision replay

Frozen inputs and versions, independent recalculation, boundary result, differences found, disposition and reviewer's actual authority.

Claim and state projection

Exact object, outcome class, family/module/domain, permitted wording, restrictions, actual dates and public/protected information boundary.

Receiving acceptance and remaining duties

Actual recipient, usable evidence access, accepted custody, incomplete tasks, terminal-state obligations, notifications and continuing owner.

Original-versus-current source distinction

Identify retained original records, transparent corrections, changed assumptions and effect on earlier outputs; do not backdate later good evidence.

Authentic approval instrument

Reference actual signed or authenticated approval and scoped authority. A typed name, PDF timestamp or blank form is not approval.

F3 Process-specific extension entries

PR-003 X1 — Classify request and object separately

Distinguish enquiry, development request, formal application and each requested outcome. Collect actual performer, configuration, site, mission domain and period without assuming the applicant controls the whole mission. Completion: Only a released, evaluable scope enters live assessment; incomplete scope stays deferred or in development.

PR-003 X2 — Confirm competent delivery before commitment

Check actual specialists, independent review, panel availability, lawful evidence access and local or remote witnessing feasibility. Identify missing domain expertise before a commercial offer. Completion: An unsatisfied essential resource or independence condition prevents an unconditional assessment commitment.

PR-003 X3 — Define evidence access and dependencies

Agree usable access to original observations, proprietary technical evidence, upstream/downstream interfaces, relevant incident history and remote records. Completion: A confidentiality promise does not close inaccessible essential evidence; use a lawful bounded route or defer.

PR-003 X4 — Freeze accepted terms and amendments

Name the services, criteria, actual obligations, costs, handovers, permissions, record custody, remedies and withdrawal effects. Treat added mission domains as a scope change, not an administrative edit. Completion: The accepted contract and every technical result must refer to the same exact object and controlled criteria.

PR-022 X1 – Identify actual performance and retained responsibility

Distinguish scheme owner, accredited provider, delegated operator, supplier and applicant. Name the tasks and locations actually performed by each party. Completion: An intermediary cannot claim direct capability or transfer retained final decision responsibility by contract wording alone.

PR-022 X2 – Complete authority and competence independently

Check technical capability, written permission, executed operator MoU where triggered and territorial/activity limits. Completion: An agreement title without actual competent delivery or valid authority does not release the scope.

PR-022 X3 – Flow down technical and custody duties

Transmit configuration, criteria, evidence access, changes, incidents, confidentiality, retention and receiving acceptance to the actual sub-tier performer. Completion: Commercial approval cannot replace technical acknowledgement and demonstrated implementation.

PR-022 X4 – Plan monitored transfer and exit

Retain original decisions, open findings, status, liabilities, records and continuing recipients during substitution or cessation. Completion: Changing provider cannot turn suspended or unsupported evidence into a valid result.

PR-023 X1 – Cost real work rather than favourable outcomes

Build the resource basis from necessary evaluation, specialists, reporting, independent review, panel, protection and continuity. Completion: A fee or capacity target cannot delete required technical work or purchase a positive decision.

PR-023 X2 – Separate commercial and technical authority

Record who approves fees, discounts, grants, resources and case outcomes. Assess funding concentration and incentives without inventing a universal safe percentage. Completion: Any unresolved influence on technical judgement requires effective control before case assignment or decision.

PR-023 X3 – Disclose the actual service conditions

State currency, taxes where applicable, inclusions, travel/testing, cancellation, withdrawal, refund and local conditions through genuine approved terms. Completion: No template amount is a published fee until actually authorised; financial disputes are not fabricated competence findings.

PR-023 X4 – Verify continuity capacity

Test whether independent review, remedies, records and corrective action remain resourced during delayed income or provider exit.
Completion: Lack of reserves for essential duties is an operational readiness gap, not a reason to weaken the standard.

F4 Controlled continuation and receiving record

Continuation identity and parent link

Unique continuation ID, parent form and field names; actual author, time, version and access class.

Complete visible narrative / data dictionary

Include all text needed to interpret the result. Attach clearly identified tables or source data when a visible field is too small.

Independent response and limitations

Record reviewer, actual findings, disposition, scope limits and open conditions; maintain protected dissent.

Receiving acknowledgement

Actual recipient, accepted responsibilities, evidence access check, approval reference and time.

Appendix A — Controlling source requirements

The following text is reproduced from the supplied ASTRA FIRST EDITION. The clause identifier and page refer to that 248-page source. These excerpts and their evidence fields must be read with all triggered normative annexes. Newly authored implementation steps elsewhere in this document do not amend the core standard.

3.2 — Accrediting and delivery entities

Source: AF-AST-STD-001, page 12.

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

Required evidence: Legal delivery model; related-activity analysis; independent oversight and liability arrangements.

3.5 — Commercial and leadership boundaries

Source: AF-AST-STD-001, page 13.

Leadership may allocate resources, require procedural correction, commission independent investigation and close an unsafe programme within its powers. It shall not order a favourable technical result, remove a justified finding for commercial reasons, substitute an applicant-selected assessor or condition remuneration on grants. Membership, funding, sponsorship, investments and training income shall be excluded from technical decision criteria. Programme managers shall report attempts to influence decisions through the protected integrity route.

Required evidence: Financial separation; influence log; independent escalation; outcome-neutral remuneration.

3.6 — Liability, continuity and accountability

Source: AF-AST-STD-001, page 13.

Each operator shall maintain resources and arrangements for its actual liabilities, including suitable insurance or justified equivalent provision where appropriate. It shall remain responsible for outsourced technical work and its final decisions. Exit or insolvency planning shall protect holders, pending cases, records, status information and lawful transfer. An agreement assigning tasks to a contractor shall not be used to disclaim obligations retained by the issuer or to obscure who is answerable for an incorrect conclusion.

Required evidence: Liability assessment; financial capacity; continuity/closure plan; retained-responsibility clauses.

5.5 — External provision and sub-tier responsibility

Source: AF-AST-STD-001, page 15.

Outsourced work shall have defined technical scope, actual performer, location, qualification, acceptance, evidence access, notification, records and exit conditions. Critical obligations shall reach the lowest relevant performer with acknowledgement and verification. The commissioning organisation retains its assigned acceptance and oversight duties. A subcontractor certificate shall be checked for authenticity, method, site and current status and treated as relevant evidence, not a substitute for fitness for the actual task. Unapproved substitutions shall trigger hold and review.

Required evidence: Supplier scope and status; flow-down; sub-tier acknowledgement; actual work verification.

6.2 — Participation and equal treatment

Source: AF-AST-STD-001, page 16.

Access shall be based on published eligibility and actual technical capability, not membership, sponsor status, nationality or enterprise size alone. Necessary legal restrictions and objective capacity limits shall be applied consistently. Fees and scheduling shall be disclosed before commitment. Reasonable accessibility and language arrangements shall preserve the competence and evidence being assessed. Financial support or fee waivers shall not reduce technical criteria or purchase an outcome.

Required evidence: Eligibility rules; accommodation decisions; fee/capacity terms; equal-treatment checks.

11.1 – Expression of interest and formal application

Source: AF-AST-STD-001, page 22.

The Secretariat may receive expressions of interest for unreleased scopes but shall label them as development enquiries. A formal application shall state the requested outcome, available technical profile, legal applicant, authorised representative, sites, affiliations, object, methods, configurations and prior relevant results. Receipt does not establish eligibility, acceptance of scope, accreditation or authority to use marks. Administrative completeness shall be distinguished from technical readiness.

Required evidence: Enquiry/application classification; representative authority; scope request; dated receipt.

11.2 – Technical and impartiality review

Source: AF-AST-STD-001, page 22.

Before commitment, verify that the programme is active for the requested scope, the operator is authorised, necessary evaluators and independent decision resources are available, evidence access is feasible and conflicts can be controlled. Resolve unclear methods or outcome terminology before quoting an evaluable scope. Decline or defer work outside real capability; do not accept fees for an assessment whose essential method has not yet been defined without clearly separate development terms.

Required evidence: Admission review; resource/conflict check; accepted, deferred or refused scope with reasons.

11.3 – Existing evidence and reuse

Source: AF-AST-STD-001, page 22.

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

Required evidence: Reuse matrix; authenticity/scope checks; residual gaps; controlled access to original evidence.

11.4 – Binding terms and holder duties

Source: AF-AST-STD-001, page 22.

The agreement shall identify parties, versions, exact services, evidence and access obligations, fees, limitations, independence, reporting, witnessing, subcontracting, liability, confidentiality, marks, registry publication, surveillance, remedies, termination and records. The holder shall provide materially complete information, maintain conformity, report changes, permit agreed oversight and cease prohibited claims. Governing law and dispute terms require competent selection for the actual relationship; no universal legal jurisdiction is created by this standard.

Required evidence: Executed participation terms; scope schedule; actual authorised signatories.

11.5 – Authorisation to act for AF

Source: AF-AST-STD-001, page 23.

An external organisation acting for AF in accreditation, certification, delegated recognition or scheme operation shall hold prior written permission and an executed binding Cooperation and Authorization MoU with its actual technical and territorial scope. Competence evaluation, operating permission and the individual applicant outcome are separate decisions. Ordinary applicants and members are not required to enter that operator agreement merely to participate. Onward delegation is prohibited unless expressly authorised and technically controlled.

Required evidence: Competence decision; written approval; executed MoU; controlled delegation and scope.

11.6 – Fees, corrections and withdrawal

Source: AF-AST-STD-001, page 23.

Disclose charges, travel, testing, surveillance, reassessment, cancellation and refund conditions before commitment. Permit reasonable correction of administrative omissions without inventing earlier technical evidence. Application withdrawal shall preserve material findings, confidentiality and safety duties. A fee dispute shall follow its fair administrative process and shall not be misclassified as technical incompetence. No payment, refund, renewal booking or

withdrawal may alter the historical decision or hide an expired status.

Required evidence: Transparent terms; correction/withdrawal history; financial separation; preserved findings.

12.4 – Time and productive work

Source: AF-AST-STD-001, page 24.

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

Required evidence: Task/time matrix; separate resources; actual productive time; approved additions.

29.5 – Financial sustainability and public benefit

Source: AF-AST-STD-001, page 47.

Maintain adequate resources for competent work, impartial oversight, remedies, data and continuity. Disclose applicable charges and avoid dependence on favourable decisions for financial survival. Evaluate access for smaller organisations and less-resourced participants while preserving technical minima. Report meaningful benefits and limitations using authentic evidence, not assumed sector-wide adoption. Safeguards for competition, controlled technology and conflicts apply to programme outreach as well as assessment.

Required evidence: Budget and independence review; accessible participation; actual benefit measures; lawful outreach.

30.3 – Reliance and cooperation agreements

Source: AF-AST-STD-001, page 48.

Any agreement to rely on another party's results shall identify parties, exact activities, acceptance conditions, competent evaluation, monitoring, territorial limits, confidentiality and withdrawal. Verify authenticity and fit for each actual use. Do not infer acceptance from an MoU title, shared event, commercial partnership or similar standard number. The party making an acceptance decision retains responsibility for that decision. Mutual familiarity is not independent competence evidence.

Required evidence: Executed bounded agreement; evidence checks; monitoring; truthful acceptance statements.

48.1 – Critical suppliers and actual performers

Source: AF-AST-STD-001, page 71.

The organisation shall identify suppliers and sub-tier performers according to the technical consequence of their outputs. The scope shall record what each party actually performs, where it operates, its competent personnel, process or method capability and necessary evidence access. A trading or coordinating organisation shall not claim direct performance of outsourced work. Shared ownership, customer nomination or another certificate shall not remove the commissioning organisation's retained acceptance and oversight responsibilities.

Required evidence: Supplier/performance map; criticality; exact capability checks; retained-responsibility and access records.

48.2 – Flow-down and acknowledgement

Source: AF-AST-STD-001, page 71.

Purchasing and subcontract terms shall transmit relevant specifications, configuration, quality and safety conditions, changes, inspection, evidence, notification and retention duties to the actual level of performance. The organisation shall verify acknowledgement and implementation, not only that standard terms were attached to a purchase order. Conflicting instructions shall be resolved before dependent work. Onward delegation and substitution shall be controlled, with technical acceptance distinct from commercial approval.

Required evidence: Requirement flow-down matrix; sub-tier acknowledgement; actual implementation checks; controlled substitution.

62.1 – Atomic requirement record

Source: AF-AST-STD-001, page 88.

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. Compound statements shall be separated into individually testable rows without deleting any condition. Terms such as adequate, suitable, promptly or representative shall be resolved through the explicit records in this clause before they support an acceptance decision.

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

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

62.2 – Mandatory parameter completion

Source: AF-AST-STD-001, page 88.

An application-dependent value shall be entered in a controlled parameter schedule before the relevant test or evaluation. Each entry shall state symbol, meaning, unit, inclusive or exclusive bounds, uncertainty treatment, operating modes, technical derivation, source evidence, approver and change trigger. A declared value is not adequate merely because the applicant selected it. The independent reviewer shall challenge whether it bounds the claimed environment and consequence.

Verification: Recalculate derivations and check mission, interface and obligation coverage.

Acceptance / hold rule: The complete parameter set is approved prospectively. A blank, TBD, unsupported factor or undefined threshold blocks the dependent release.

62.5 – No compensation or favourable default

Source: AF-AST-STD-001, page 89.

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

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

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

63.2 – Object and activity rather than a universal label

Source: AF-AST-STD-001, page 90.

The claimed object shall be identified as a system, subsystem, component, material, process, service, facility, software artefact, person, educational programme, assessment provider or statement. Record what is designed, built, tested, operated, maintained or retired, by whom and where. A phrase such as all space, space-qualified or complete mission assurance shall not replace the exact boundaries and limitations of the evaluated object.

Verification: Compare application, technical schedule, evidence and proposed public wording.

Acceptance / hold rule: The object and activities agree throughout the dossier; unsupported sector-wide or geographically unlimited claims are prohibited.

63.6 – Interface and lifecycle closure

Source: AF-AST-STD-001, page 91.

The scope shall include relevant upstream and downstream duties, including supplied design data, ground services, communications, receiving facilities, environmental custody and long-term records. Transfers shall identify the sender, receiver, evidence and acceptance. 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.

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

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

64.4 – Resource budgets and coupled margins

Source: AF-AST-STD-001, page 92.

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

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

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

69.1 – Consent and exact intervention

Source: AF-AST-STD-001, page 102.

Record participating assets, owners, consent, service objective, configuration, permitted interventions and prohibited actions. Design assurance, service-provider competence and permission for a specific operation shall remain separate. An assumed common ownership or commercial order shall not replace the actual technical authority and access rights needed for the intervention.

Verification: Check the consent and authority chain against the declared operation and assets.

Acceptance / hold rule: All required authorities and compatible scope boundaries are valid before intervention; otherwise the activity remains blocked.

75.7 – Handover, resource claims and closure

Source: AF-AST-STD-001, page 115.

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

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

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

80.1 – One complete application schedule

Source: AF-AST-STD-001, page 124.

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. All triggers in Annex AO shall be resolved. Shared records may be reused after relevance review, but shall not merge distinct objects, outcome classes or actual authority.

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

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

80.3 – Competent independent closure

Source: AF-AST-STD-001, page 124.

The independent reviewer shall have verified technical coverage, lawful evidence access and no prohibited case relationship. Technical dissent shall be resolved by evidence, corrected scope or further work. Where a three-person panel is required, all three eligible members shall participate and the established vote rule shall apply only after the technical gates are satisfied.

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

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

80.4 – Bounded claim and publication

Source: AF-AST-STD-001, page 124.

The outcome shall identify legal holder, issuer, object, configuration, family/module, domain, site or remote responsibility, criteria, limitations, actual dates and ongoing or instance basis. Public wording shall not imply unrestricted coverage of all space, universal safety, statutory permission or external recognition without evidence. The approved cover and edition label do not change those boundaries.

Verification: Compare the actual decision with credential, registry and all proposed public representations.

Acceptance / hold rule: Published scope and status exactly match the authorised decision and preserve every material restriction.

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.

PDF recording limits: text fields may scroll beyond their visible area. A printed or flattened copy shall include controlled continuations whenever the full response is not visible. A typed name is not a certificate-based authenticated signature. An actual signed instrument or authenticated workflow shall establish approval. Record custody and privacy are implemented by the receiving organisation, not by this PDF alone.