



ASTRA

AEROSPACE STANDARD

PROCEDURE

Document, Record and Version Control

AF-AST-PR-001

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-PR-001 — Document, Record and Version Control
Edition and publication date	FIRST EDITION 30 September 2026 English master text
Accountable function	Quality Manager
Controlling technical basis	AF-AST-STD-001 / AF ASTRA-100:2026; supplied 248-page FIRST EDITION, Clauses 0–80 and Annexes A–AR.
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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

All controlled ASTRA publications and case records, including paper records, signed PDFs, local databases, shared records and public projections. Working copies and source records must remain distinguishable.

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, trigger and responsibility

All controlled ASTRA publications and case records, including paper records, signed PDFs, local databases, shared records and public projections. Working copies and source records must remain distinguishable.

Trigger: A new document, revised requirement, completed record, correction, import or retirement is proposed.

Accountable process owner: Quality Manager. Actual named appointments and deputies are recorded separately. The process owner coordinates execution; technical review, independent conformity decisions and operational permissions retain their separate mandates.

Input	Output / destination
Actual request or triggering event, scope and current technical basis	A traceable process record linked to its case/object and the required form modules.
Competence, conflict, authority and access evidence	Approved assignment and lawful access before affected work begins.
Original observations, technical results, limitations and prior history	Reasoned accept/hold/escalation decision; preserved adverse evidence and recipient communications.
Controlling clocks and genuine event timestamps	Actual due/completion records in SC-003 and the relevant register; no administrative reset.

2 Operating sequence

PR-001 – Document, Record and Version Control

Trigger: A new document, revised requirement, completed record, correction, import or retirement is proposed.

1. Classify the object

The Quality Manager identifies whether the item is normative text, implementation guidance, a blank capture tool, a completed record or a public copy. Record its owner, intended users, dependencies and approval path. Do not let a guide or form change a requirement through wording, a default value or a dropdown.

2. Establish the controlled identity

Allocate a unique code or record ID, version and source-of-record location. Keep title, language, author, technical basis and applicable scope together. For a correction, record the item being corrected and retain its original identity and issue history rather than creating an unrelated clean copy.

3. Assess the content change

The owner compares old and new text, fields, calculations and states. Identify changed obligations, criteria, decision rules, evidence access and downstream references. Route substantive requirements through PR-002; route changes in operating capability through PR-028. An editorial label is not proof that the change is editorial.

4. Review before issue

Use technically competent reviewers for the affected subject. Check every internal reference, required field, authority boundary and actual record link. Compare a rendered PDF with its intended content, including tables, formulas, page continuations and form fields. Resolve a defect that could change a decision before dependent issue.

5. Release and distribute

The authorised custodian records the actual preparation, approval and effective dates separately. Publish only the accepted version to the intended audience. Update the local document inventory and withdraw obsolete point-of-use copies without deleting records showing which version supported earlier work.

6. Capture genuine execution

Authors record actual work and contemporaneous observations with person, configuration and source links. Missing information remains visibly missing. Imported records retain their original creator and event dates; import time does not become the event time. Classify forecasts, simulations and generated material explicitly.

7. Correct without erasure

A correction identifies the previous value, new value, reason, actual author/date and reviewing authority. Assess dependent reports, findings, decisions and public statements. Notify recipients when the change affects their reliance. Preserve the original even when a replacement is the current usable copy.

8. Transfer and retain meaning

Before migration or closure, reconcile record identities, versions, units, timestamps, approvals and relationships. Test retrieval under the receiving permissions. Confirm retention and preservation holds with the receiving custodian. Equal file counts and a successful upload are not acceptance of a complete dossier.

Hold / escalation: A missing source, unresolved changed requirement, unidentified approver or broken evidence relationship prevents the dependent release. Preserve a controlled working copy and assign the exact corrective action.

Record handover: AF-AST-FR-010, AF-AST-FR-026, AF-AST-FR-028.

3 Completion, holds and handover

A missing source, unresolved changed requirement, unidentified approver or broken evidence relationship prevents the dependent release. Preserve a controlled working copy and assign the exact corrective action.

Decision and authority boundary

A positive grant, renewal or extension requires valid scope, every applicable criterion fulfilled, sufficient usable evidence, closure of every in-scope nonconformity, current competent independent decision authority and effective required permissions. No score, majority vote, membership status or future corrective promise replaces a missing gate. An operational technical release, a programme outcome and an administrative publication are separate actions.

Required record	Capture responsibility
AF-AST-FR-010	Evidence and sample index
AF-AST-FR-026	Digital evidence, incident and recovery
AF-AST-FR-028	Programme change, transition and closure

The performer hands the actual record to the designated owner or reviewer. The receiving function verifies scope, version, usable evidence, open conditions, original dates and the action it may take. Sending an email, completing a form or setting a database flag is not acceptance of that handover.

4 Timing and escalation

Control / source	Trigger and interval	Required response
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Use actual awareness, notification, completion, decision, issue and expiry timestamps with a declared time zone. Days are calendar days unless explicitly stated otherwise. Month intervals end on the corresponding date, or month-end where that date does not exist. Earlier applicable duties prevail. Source: Annex H.

5 Worked application and failure response

Synthetic example: A fictional report is reissued because the specimen serial was transposed. The custodian retains the original, verifies the correct serial from custody records, reviews any affected conclusion and informs recipients. The reissue date does not become a new test date.

Before closure, challenge a missing essential input, an expired or conflicted role, wrong configuration, contradictory evidence and an incomplete receiving handover where applicable. Record expected and actual behaviour. A completed synthetic exercise tests reasoning or workflow only; it cannot replace required technical witnessing.

E1 Explicit acceptance and evidence contract

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.

E2 Source-to-implementation 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
10.1 / 21	Records and provenance	Requirement, objective evidence and local child predicates
10.3 / 21	Digital tools and calculations	Requirement, objective evidence and local child predicates
31.1 / 48	Minimum records and equivalent systems	Requirement, objective evidence and local child predicates
31.2 / 48	Document hierarchy and phased development	Requirement, objective evidence and local child predicates

ASTRA ID / page	Source subject	Implementation use
56.1 / 80	Distinct entities and authoritative records	Requirement, objective evidence and local child predicates
56.2 / 80	Evidence states and requirement conclusions	Requirement, objective evidence and local child predicates
56.5 / 81	Export, migration and meaningful recovery	Requirement, objective evidence and local child predicates
61.1 / 86	Publication identity	Explicit verification and acceptance predicate
61.3 / 86	Dependent documents and compatibility	Explicit verification and acceptance predicate
61.5 / 87	Correction, custody and file integrity	Explicit verification and acceptance predicate
62.1 / 88	Atomic requirement record	Explicit verification and acceptance predicate
62.7 / 89	Decision replay and consistency	Explicit verification and acceptance predicate
78.7 / 121	Recovery and semantic portability	Explicit verification and acceptance predicate
80.4 / 124	Bounded claim and publication	Explicit verification and acceptance predicate

E3 Detailed operating extensions

AF-AST-PR-001 – Document, Record and Version Control

Implementation basis: 56.1 (p. 80); 56.2 (p. 80); 56.5 (p. 81); 61.1 (p. 86); 61.3 (p. 86); 62.1 (p. 88); 62.7 (p. 89); 78.7 (p. 121); 80.4 (p. 124)

X01.1 Freeze the publication and requirement baseline

The custodian records document code, edition identity, file digest, controlled version, approved applicability and the exact source clause. Keep the public FIRST EDITION label separate from mutable technical configuration and actual approval events.

Completion / hold: PASS requires a uniquely retrievable source and an authorised effective version; a matching filename is insufficient.

X01.2 Reconcile corrected and superseded records

Keep original values, reason, author, event time, receiving acknowledgement and all dependent requirement links. Assess whether changing text, units, relationships or a drawing invalidates earlier decisions.

Completion / hold: HOLD applies when the earlier decision cannot be reconstructed or a required original is inaccessible.

X01.3 Prove semantic transfer

Compare record identities, field meaning, units, configurations, attachments, permissions and adverse status before retiring the source system. Reconcile later events after the selected recovery point.

Completion / hold: Matching counts without matching identities and meanings fails transfer acceptance.

X01.4 Issue and withdraw controlled copies

Notify affected users of actual changes, retain the prior edition basis and remove only unapproved current-use claims. Do not backdate implementation from the printed publication date.

Completion / hold: Release needs authentic authority, a complete distribution record and tested retrieval of both current and historical evidence.

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.

E4 Application-specific parameter completion

These are required information groups from Annex AO, not pre-approved engineering limits. For every triggered group, populate actual values or observable attributes before evaluation, with unit, inclusivity, phase/mode, technical derivation, uncertainty/dependence, method version, owner, independent review, authentic approval and change trigger. An absent trigger requires an approved exclusion; an unsupported or missing essential value is HOLD.

P01 — Mission and scope

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

Derivation and evidence: Scope tuple and mission concept; approved applicability matrix.

Completion test: No undefined essential object, duty, phase or exclusion.

P03 — Requirements and acceptance

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

Derivation and evidence: Requirement baseline and Annex AL decision rule.

Completion test: Every condition is evaluable before observations are judged.

P14 — Software, AI and models

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

Derivation and evidence: Independent verification and model/use validation.

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

P15 — Security and command authority

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

Derivation and evidence: Written test authorisation and deployed workflow validation.

Completion test: No prohibited authority or unverified command state is accepted.

P18 — Decision, continuity and terminal duties

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

Derivation and evidence: Authenticated decisions and verified terminal/transfer evidence.

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

E5 All-space applicability and bounded responsibility

The following Annex AK tags are selected because the document can support these responsibilities. Applicability is decided for the actual case. Tags do not expand a family, create an operating permission or place a whole mission inside a supplier's limited scope. Resolve domain, phase, mode, environment and retained duty before accepting a claim.

Domain / source page	Coverage	Required boundary
AK01 / 187 Terrestrial engineering and supply	Design offices, manufacturing, material sources, procurement and integration.	Every delivered characteristic and essential supplier interface is traceable to accepted evidence.
AK02 / 187 Test facilities and technical providers	Environmental, structural, materials, calibration and inspection services, including mobile and remote work.	Actual method competence and valid result evidence are separately demonstrated.

Domain / source page	Coverage	Required boundary
AK03 / 187 Launch sites and spaceports	Site infrastructure, handling, ground services, emergency interfaces and actual permissions.	No site outcome is used as vehicle, launch or mission permission.
AK30 / 194 Ground, communication and navigation services	Mission control, RF/optical links, timing, data processing, relays and PNT support.	Availability, correctness, authority and completion are separately demonstrated.
AK31 / 194 Digital and autonomous space systems	Software, programmable hardware, AI, models, twins and defensive security.	All essential behaviours and prohibited transitions are verified for the actual deployment.
AK32 / 194 Retirement and long-term stewardship	Disposal, passivation governance, loss-of-contact states, records and residual obligations.	Final-state claims are truthful and every unresolved duty has an accepted owner.

E6 Workflow and evidence relationships

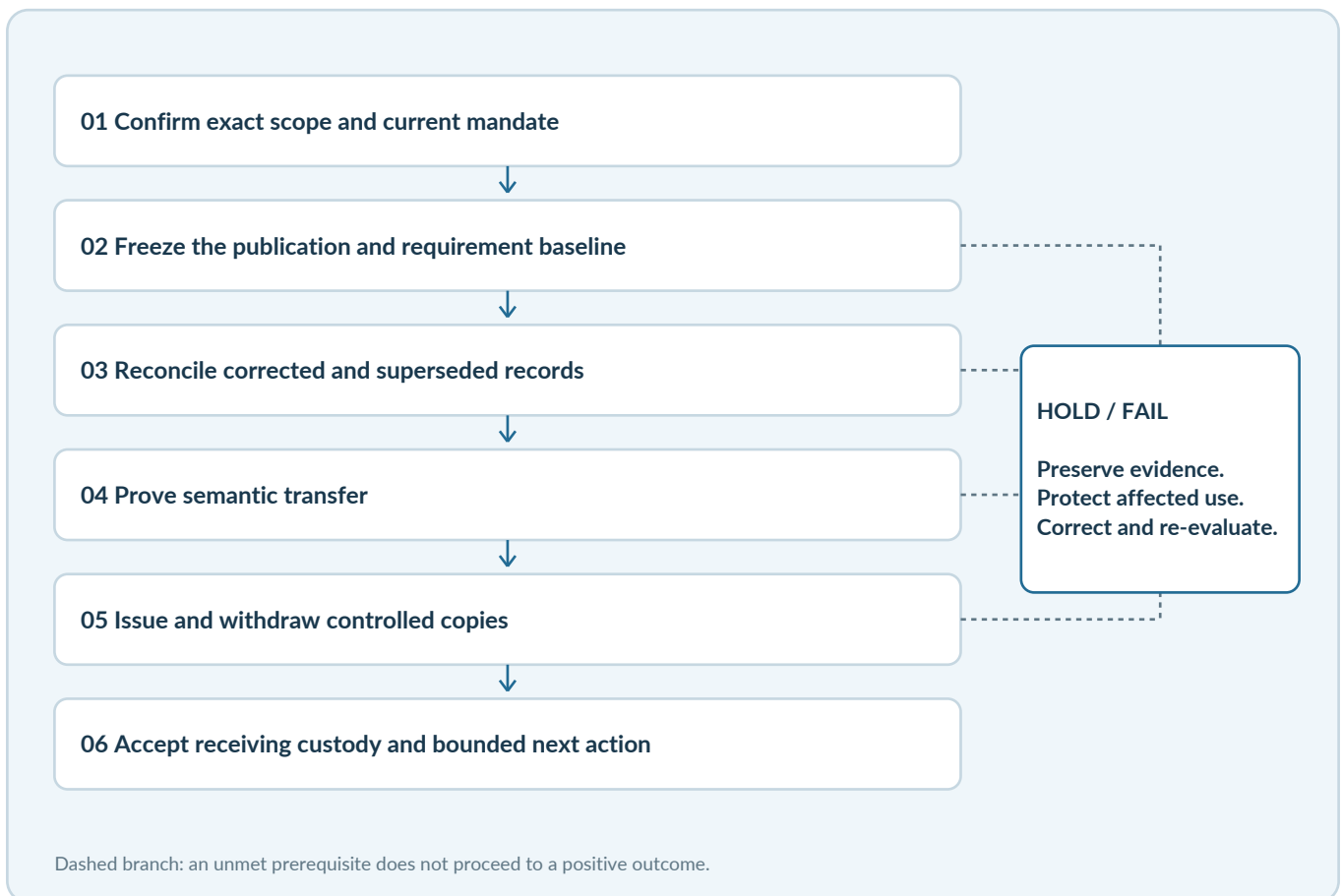
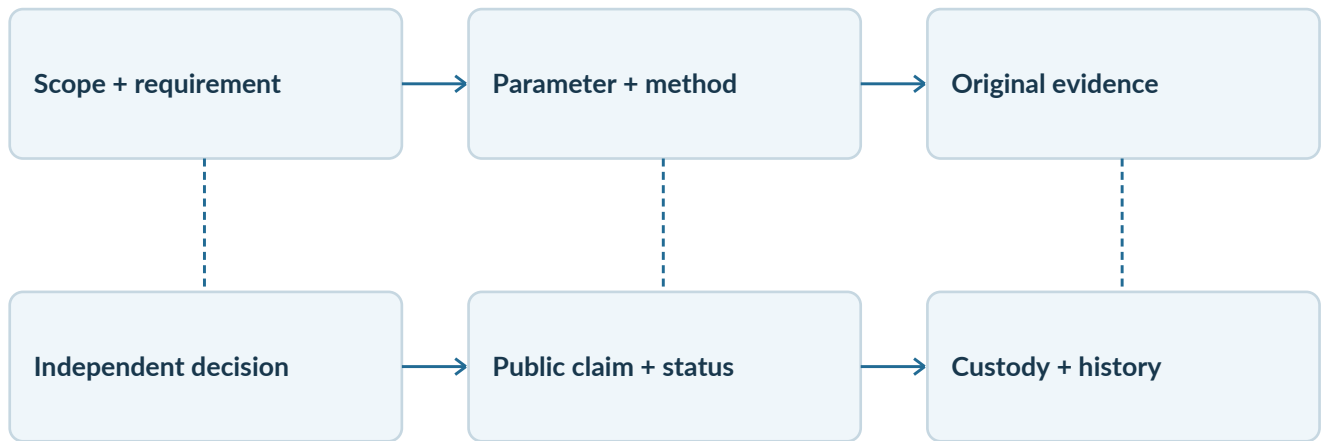


Figure – Implementation sequence for AF-AST-PR-001. Explanatory diagram; the source prerequisites and actual authority remain controlling.



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.

E7 Calculations, assumptions and synthetic charts

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

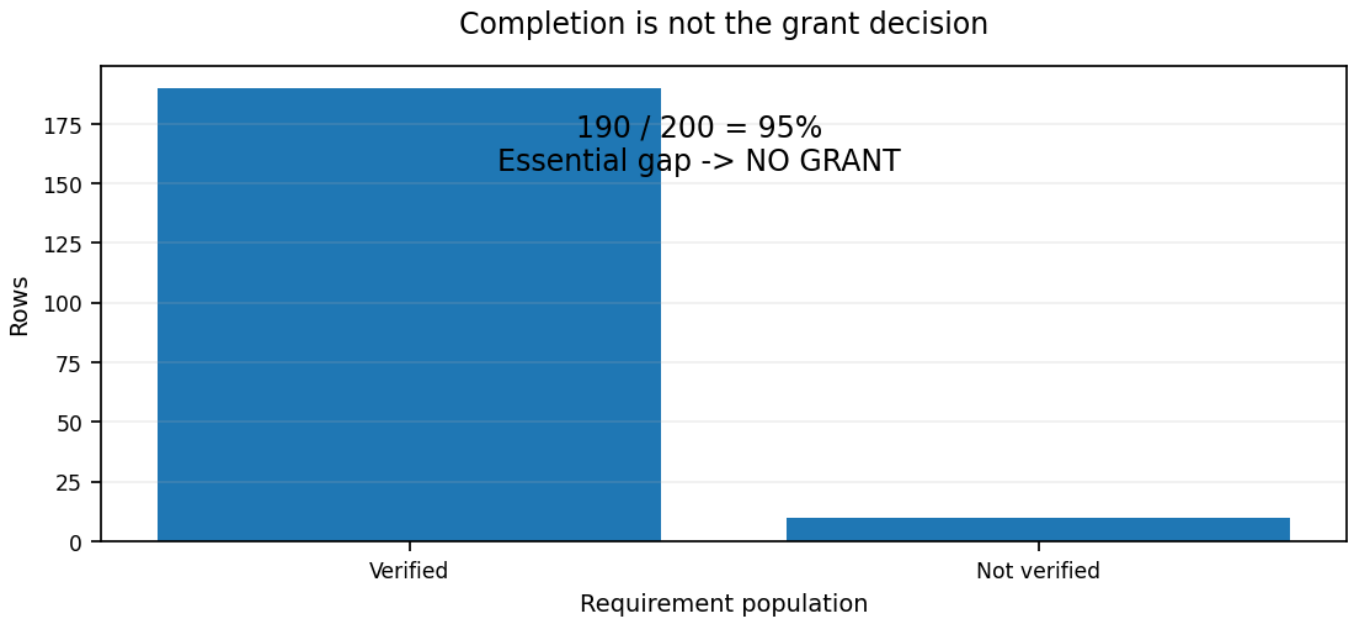


Figure Q03 – Synthetic visualisation. The axes and stated scenario define the quantity; no graph is an accreditation score, approved operating envelope or evidence of a real mission.

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.Q16 Outage data storage with overhead

Source: ASTRA Annex AM, Q16, page 215. All numerical inputs in this example are synthetic.

$$B_{\text{required}} = R_{\text{data}} \times t_{\text{outage}} \times f_{\text{overhead}}$$

$$1 \text{ byte} = 8 \text{ bits}$$

Variables and units

Use a defined payload rate and explicit overhead, reserves and decimal/binary storage conventions. Avoid mixing Mbit/s and MB/s.

Example inputs

Synthetic 2.0×10^6 bit/s, 6 h outage, overhead factor=1.25; usable storage= 64×10^9 bit.

Calculation and checks

1. Outage duration= $6 \times 3,600 = 21,600$ s.
2. Required capacity= $2.0 \times 10^6 \times 21,600 \times 1.25 = 54 \times 10^9$ bit.
3. In decimal bytes this is 6.75×10^9 bytes = 6.75 GB.
4. Headroom= 10×10^9 bit; headroom/required=18.5185185%.

Decision interpretation: The example quantity fits in the stated usable capacity. Data priority, integrity and required extra reserve still need their own criteria.

Validity limits: Do not credit unvalidated compression, unavailable storage blocks or capacity already allocated elsewhere. Tests must include overflow, power interruption, duplicate delivery and recovery.

ASTRA connections: 66.3; 67.4; 78.7

Outage storage including the stated overhead

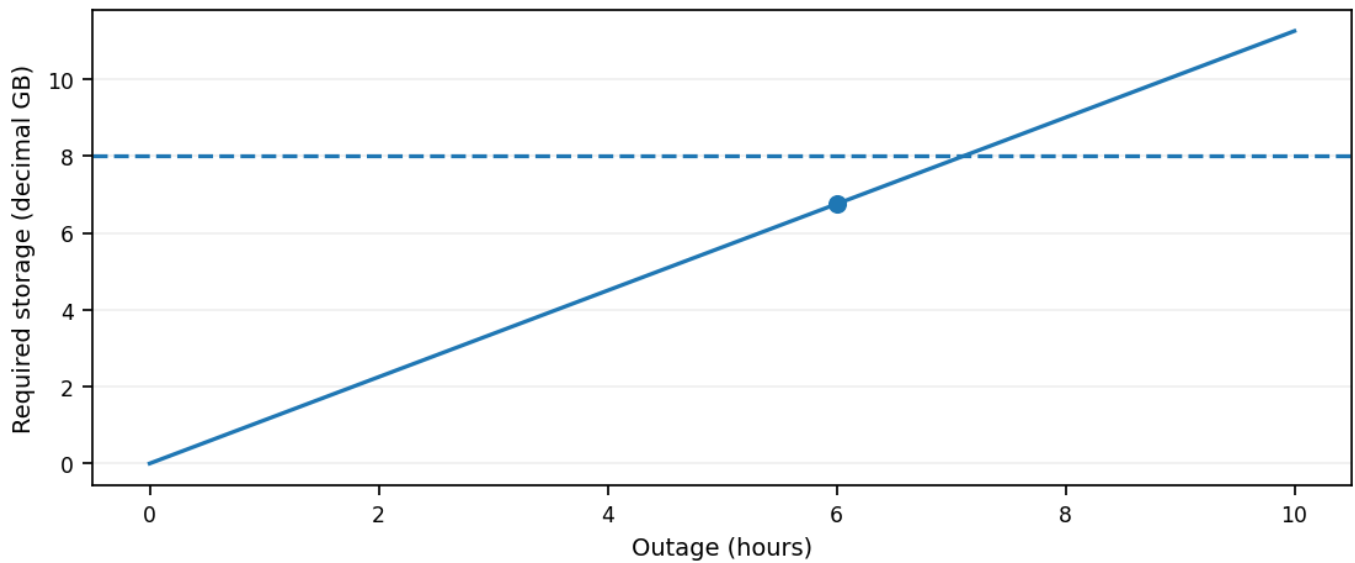


Figure Q16 – Synthetic visualisation. The axes and stated scenario define the quantity; no graph is an accreditation score, approved operating envelope or evidence of a real mission.

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.Q17 Clock uncertainty and maximum data age

Source: ASTRA Annex AM, Q17, page 216. All numerical inputs in this example are synthetic.

$u_t = \sqrt{u_{\text{event}}^2 + u_{\text{sync}}^2}$ for justified independence

$U_t = k u_t$

Upper age endpoint = age_estimate + U_t

Variables and units

Time components refer to the same event and time basis. Correlation and systematic conversion errors require appropriate treatment.

Example inputs

Synthetic standard components 3 ms and 4 ms; illustrative $k=2$; maximum inclusive permitted data age=100 ms.

Calculation and checks

- $u_t = \sqrt{3^2 + 4^2} = 5$ ms; $U_t = 10$ ms.
- At age estimate 95 ms, interval=[85,105] ms: HOLD under the full-interval rule.
- At age estimate 80 ms, interval=[70,90] ms: PASS for this age criterion.

Decision interpretation: A recently received packet can still contain stale event data. The 95 ms estimate is not rounded down into acceptance.

Validity limits: This calculation does not account automatically for unrecorded queueing, an incorrect epoch or an unknown time scale. Such validity defects cause HOLD before the age predicate is evaluated.

ASTRA connections: 66.4; Annex G; 77.6

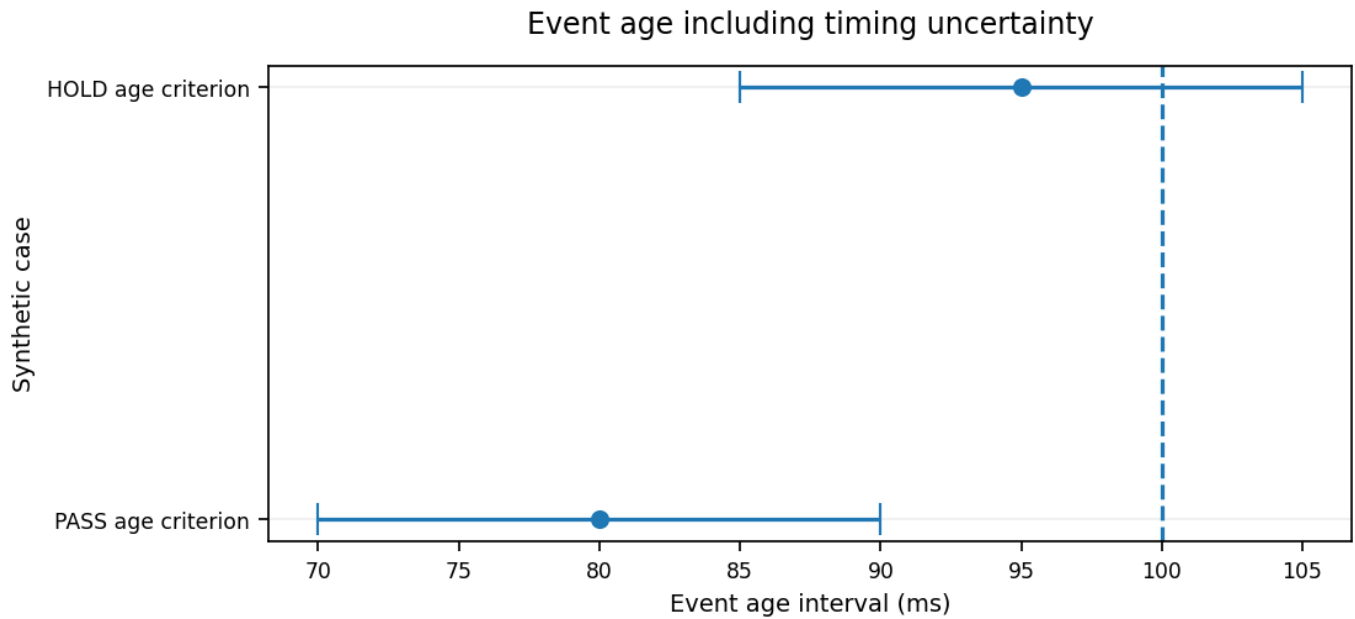


Figure Q17 – Synthetic visualisation. The axes and stated scenario define the quantity; no graph is an accreditation score, approved operating envelope or evidence of a real mission.

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.

E8 Adverse cases and independent replay

Challenge	Expected handling	Evidence retained
PR-001: Freeze the publication and requirement baseline – required basis missing	PASS requires a uniquely retrievable source and an authorised effective version; a matching filename is insufficient.	Original input, unresolved value, affected requirement and scope; named action owner.
PR-001: Issue and withdraw controlled copies – handover or review incomplete	Release needs authentic authority, a complete distribution record and tested retrieval of both current and historical evidence.	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.

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.

10.1 – Records and provenance

Source: AF-AST-STD-001, page 21.

Records shall connect each requirement to actual work, configuration, performer, method, data, review and decision. Maintain unique identifiers, units, time basis, versions, status and change history. Corrections shall preserve the earlier information and reasons. Evidence shall remain distinguishable from forecasts, simulations and generated text. An imported record shall be checked for completeness and semantic mapping; a readable file without its essential relationships is not a complete transferred dossier.

Required evidence: Evidence index; version/provenance; change audit trail; migration checks.

10.3 – Digital tools and calculations

Source: AF-AST-STD-001, page 21.

Validate decision-support tools, spreadsheets, interfaces and automated scoring against their intended use. Test correct, boundary, missing, invalid and prohibited states, including expired authority, a mismatched configuration and an open critical finding. Control versions, formula changes, permissions and deployments. Formula accuracy does not establish input truth or model suitability. The accountable user shall verify the actual dataset and limitation before relying on a computed result.

Required evidence: Tool inventory; known-answer/prohibited-case tests; version approval; input review.

31.1 – Minimum records and equivalent systems

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

The records in Annex M shall be created when their triggering activity applies. They may be combined in a database or controlled document if identities, required fields, relationships, signatures, access and history remain intact. Templates are capture tools, not completed evidence. The programme shall not invent applicants, calibration results, witnesses, student attainment, emissions figures, appointments or approvals. Blank fields shall remain visibly incomplete until authentic information is entered.

Required evidence: Record dictionary; equivalent-system mapping; genuine data and approvals.

31.2 – Document hierarchy and phased development

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

The master documentation plan shall distinguish this prepared standard from planned manuals, procedures, technical profiles, checklists and forms. A planned document code does not mean a file exists or a programme is ready. The standard and its applicable normative annexes state the core requirements; implementation documents translate them without adding unapproved duties. Each released technical profile shall have the complete operating and record set required for its scope before activation.

Required evidence: Document catalogue; actual file/version status; dependency and release checks.

56.1 – Distinct entities and authoritative records

Source: AF-AST-STD-001, page 80.

The information model shall distinguish organisations, people, profiles, applications, assignments, evidence, findings, decisions, credentials, permissions, appeals and status events. Each record shall have a unique identity, version, accountable origin, scope and relevant time basis. A case may support several outcomes, but the conclusion and history of each outcome shall remain separate. Copies and public projections shall identify their relationship to the authoritative source rather than become competing unexplained masters.

Required evidence: Entity dictionary; source-of-record map; relationships; scope and time conventions; controlled projections.

56.2 – Evidence states and requirement conclusions

Source: AF-AST-STD-001, page 80.

Evidence receipt, review, purpose-specific acceptance, rejection, supersession and unavailability shall remain distinct from conformity conclusions. A missing essential source shall not become non-applicable because a database field requires a value. Accepted evidence shall state the requirement and configuration it supports and its limitations. An imported identifier shall not be presumed to refer to the correct object or version. Contradictory evidence shall remain visible through the independent review process.

Required evidence: Evidence-purpose links; controlled state dictionary; missing/wrong-version checks; reasoned requirement conclusions.

56.5 – Export, migration and meaningful recovery

Source: AF-AST-STD-001, page 81.

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

Required evidence: Export manifest; semantic reconciliation; preserved source; recovery integrity; receiving acceptance and custody.

61.1 – Publication identity

Source: AF-AST-STD-001, page 86.

The display title shall be ASTRA with AEROSPACE STANDARD directly beneath it. The standard identifier shall remain AF ASTRA-100:2026 and the document code AF-AST-STD-001. The displayed edition shall be FIRST EDITION and the displayed publication date 30 September 2026. These labels shall not be substituted for an actual technical approval, contract effectivity, operational permission or conformity-decision date.

Verification: Compare cover, identity page, headers, metadata and controlled publication record.

Acceptance / hold rule: Identity fields agree. A publication date alone provides no evidence of adoption or operational authority.

61.3 – Dependent documents and compatibility

Source: AF-AST-STD-001, page 86.

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

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

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

61.5 – Correction, custody and file integrity

Source: AF-AST-STD-001, page 87.

The custodian shall retain controlled source versions, change reasons, affected requirements and distribution records even though no numbered change label appears on the publication. Corrections shall not erase historical decisions. The issued PDF shall have complete content, readable figures, working navigation and an identifiable master. Removal of publication labels shall not remove record timestamps, method versions or technical configuration controls.

Verification: Reconcile the final file with its manifest and inspect content, navigation and correction records.

Acceptance / hold rule: No missing section, contradictory edition field or unreadable essential figure; the original evidence and actual history remain retrievable.

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.

62.7 – Decision replay and consistency

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

A decision shall be reproducible from the same frozen requirements, parameter values, original evidence, calculation version, uncertainty model and role assignments. Two competent reviewers reaching different results shall identify the differing input, predicate, assumption or expertise before closure. Interpretation records may clarify a term but shall not change limits after results are known. Equation inputs shall retain unrounded values.

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

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

78.7 – Recovery and semantic portability

Source: AF-AST-STD-001, page 121.

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

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

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

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.

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