



ASTRA

AEROSPACE STANDARD

REGISTER AND DATA DICTIONARY

Governance, Profile Release and Improvement Register

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Publication identity and use

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

Purpose and application

PDF record architecture, field dictionary, manual review rules and blank capture sheets for Governance, Profile Release and Improvement Register. This replaces only the planned delivery format for this issue: it is not an executable spreadsheet, access-control system, database or automatic decision engine.

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.

Contents

Publication identity and use	2
Purpose and application	2
Source requirements and added implementation detail	2
Contents	3
1 Purpose, ownership and state separation	5
2 Relational field dictionary	5
Governance and authority	5
Normative development	6
Profile releases	6
Audit and improvement	7
Transition and closure	7
3 Common fields and integrity checks	8
4 Manual operation, calculations and test cases	8
Create	8
Review	8
Update	9
Reconcile	9
Retain and recover	9
1 Completion workflow and validation contract	9
2 Acceptance and original record preservation	10
3 Source and record relationship crosswalk	10
4 Detailed module implementation	13
AF-AST-PR-001 — Document, Record and Version Control	13
AF-AST-PR-002 — Normative Development, Consultation and Profile Release	13
AF-AST-PR-024 — Internal Audit, Management Review and Improvement	14
AF-AST-PR-025 — Independent Operator Review and Reliance Arrangements	14

AF-AST-PR-028 — Change, Transition, Transfer and Programme Closure	15
5 Workflow and relationship diagram	15
6 Worked recording and calculation examples	16
AM.Q03 Positive-decision conjunction and essential failure	17
AM.Q04 Committee arithmetic and accreditation panels	17
AM.Q05 Productive evaluation time without double counting	18
AM.Q06 Random detection sample size	19
AM.Q09 Availability is not output correctness	20
7 Missing, invalid and prohibited input cases	22
F1 Retained record fields	23
Retained fields 1 onward	23
Retained fields 9 onward	24
Retained fields 15 onward	25
Retained fields 22 onward	26
F2 All-domain assurance extensions	27
F3 Process-specific extension entries	29
F4 Controlled continuation and receiving record	32
Appendix A — Controlling source requirements	33
Appendix B — Local adoption, validation and receiving acceptance	42

1 Purpose, ownership and state separation

A prepared document, committee attendance, completed pilot script or publication date is not an approval event. Validate consultation and ballot conditions independently. Actual institutional authority and technical readiness are separate gates.

Planned; in development; prepared; consultation; technical review; approved by recorded authority; effective within scope; superseded; withdrawn. Preparation and approval dates are separate.

The named custodian allocates persistent IDs and administers records under actual permission. Technical acceptance, independent decisions and public publication have separate authorities. All tables inherit the common record payload from Annex M. A printed row, a formula specification or a linked identifier alone does not demonstrate an underlying event.

2 Relational field dictionary

Governance and authority

Field	Meaning and control
mandate_id	Persistent unique identifier for this entity or record. Resolve every parent link to the correct actual object; do not reuse or infer a missing identity.
entity_function	Record the actual entity function for this dataset, with scope, source and limitations. Use the controlling procedure and field relationships; retain corrections and reviewer accountability.
scope	Precisely bounded activity, location, method, object or subject. Include relevant conditions and exclusions and retain separate responsibility for every claimed outcome.
delegation_source	Usable original source reference and version, responsible origin, permitted access and relevance to the named purpose. A reference existing in the register is not proof of validity.
signatory	Actual responsible legal entity or person and their role/scope. Distinguish the performer, custodian, evaluator, independent decision maker and issuer.
period	Actual event or controlled period with a declared time basis. Keep creation, occurrence, review, decision and expiry distinct; preserve original deadlines and historical gaps.
restrictions	Record the actual restrictions for this dataset, with scope, source and limitations. Use the controlling procedure and field relationships; retain corrections and reviewer accountability.
authentic_record	Usable original source reference and version, responsible origin, permitted access and relevance to the named purpose. A reference existing in the register is not proof of validity.

Normative development

Field	Meaning and control
project_id	Persistent unique identifier for this entity or record. Resolve every parent link to the correct actual object; do not reuse or infer a missing identity.
proposed_text_version	Exact controlled version or technical state supporting this record. Retain before/after history and verify match to the actual evaluated configuration.
consultation_notice	Record the actual consultation notice for this dataset, with scope, source and limitations. Use the controlling procedure and field relationships; retain corrections and reviewer accountability.
opening_closing_dates	Actual event or controlled period with a declared time basis. Keep creation, occurrence, review, decision and expiry distinct; preserve original deadlines and historical gaps.
comments_dispositions	Record the actual comments dispositions for this dataset, with scope, source and limitations. Use the controlling procedure and field relationships; retain corrections and reviewer accountability.
eligible_roll	Record the actual eligible roll for this dataset, with scope, source and limitations. Use the controlling procedure and field relationships; retain corrections and reviewer accountability.
substantive_votes	Defined numerical or categorical value with units, denominator/population, source, assumptions and applicable validation. Unknown, zero and not-applicable are not interchangeable.
technical_approval	Attributable action of a competent authorised function, including independence and conflicts where required. Link the authentic instrument; no prefilled approval is implied.

Profile releases

Field	Meaning and control
release_id	Persistent unique identifier for this entity or record. Resolve every parent link to the correct actual object; do not reuse or infer a missing identity.
profile_revision	Exact controlled version or technical state supporting this record. Retain before/after history and verify match to the actual evaluated configuration.
technical_readiness	Record the actual technical readiness for this dataset, with scope, source and limitations. Use the controlling procedure and field relationships; retain corrections and reviewer accountability.
dependencies	Record the actual dependencies for this dataset, with scope, source and limitations. Use the controlling procedure and field relationships; retain corrections and reviewer accountability.
pilot_evidence	Usable original source reference and version, responsible origin, permitted access and relevance to the named purpose. A reference existing in the register is not proof of validity.
closed_findings	Record the actual closed findings for this dataset, with scope, source and limitations. Use the controlling procedure and field relationships; retain corrections and reviewer accountability.
institutional_authority	Attributable action of a competent authorised function, including independence and conflicts where required. Link the authentic instrument; no prefilled approval is implied.
effective_time	Actual event or controlled period with a declared time basis. Keep creation, occurrence, review, decision and expiry distinct; preserve original deadlines and historical gaps.

Audit and improvement

Field	Meaning and control
review_id	Persistent unique identifier for this entity or record. Resolve every parent link to the correct actual object; do not reuse or infer a missing identity.
type_scope	Precisely bounded activity, location, method, object or subject. Include relevant conditions and exclusions and retain separate responsibility for every claimed outcome.
independent_reviewers	Attributable action of a competent authorised function, including independence and conflicts where required. Link the authentic instrument; no prefilled approval is implied.
case_population	Defined numerical or categorical value with units, denominator/population, source, assumptions and applicable validation. Unknown, zero and not-applicable are not interchangeable.
findings	Record the actual findings for this dataset, with scope, source and limitations. Use the controlling procedure and field relationships; retain corrections and reviewer accountability.
owner_resources	Usable original source reference and version, responsible origin, permitted access and relevance to the named purpose. A reference existing in the register is not proof of validity.
due	Actual event or controlled period with a declared time basis. Keep creation, occurrence, review, decision and expiry distinct; preserve original deadlines and historical gaps.
effectiveness	Record the actual effectiveness for this dataset, with scope, source and limitations. Use the controlling procedure and field relationships; retain corrections and reviewer accountability.
closure	Record the actual closure for this dataset, with scope, source and limitations. Use the controlling procedure and field relationships; retain corrections and reviewer accountability.

Transition and closure

Field	Meaning and control
transition_id	Persistent unique identifier for this entity or record. Resolve every parent link to the correct actual object; do not reuse or infer a missing identity.
old_new_basis	Record the actual old new basis for this dataset, with scope, source and limitations. Use the controlling procedure and field relationships; retain corrections and reviewer accountability.
affected_scopes	Precisely bounded activity, location, method, object or subject. Include relevant conditions and exclusions and retain separate responsibility for every claimed outcome.
gap_actions	Record the actual gap actions for this dataset, with scope, source and limitations. Use the controlling procedure and field relationships; retain corrections and reviewer accountability.
communication	Record the actual communication for this dataset, with scope, source and limitations. Use the controlling procedure and field relationships; retain corrections and reviewer accountability.
receiving_custody	Record the actual receiving custody for this dataset, with scope, source and limitations. Use the controlling procedure and field relationships; retain corrections and reviewer accountability.
remaining_duties	Record the actual remaining duties for this dataset, with scope, source and limitations. Use the controlling procedure and field relationships; retain corrections and reviewer accountability.
actual_acceptance	Record the actual actual acceptance for this dataset, with scope, source and limitations. Use the controlling procedure and field relationships; retain corrections and reviewer accountability.

3 Common fields and integrity checks

Required identity or field	Content and interpretation
Record ID	Unique persistent identifier; do not reuse a withdrawn or superseded identifier for a different record.
Template / schema version	Identify this form version and any controlled continuation or equivalent record mapping.
Case and evaluated object ID	Connect to the actual application, asset, person, programme, method or statement.
Legal entity and actual performer	Distinguish accountable organisation, issuer, applicant and subcontracted performer.
Family / module and outcome class	Use the retained family/module and correct accreditation, recognition, qualification, certification, verification or validation class.
Scope / technical profile ID and version	Identify the exact version; a title alone is insufficient.
Site / station / delivery mode	Record physical, remote, mobile and partner-delivery boundaries that affect this record.
Configuration / method / statement version	Identify the actual technical baseline and conditions evaluated.
Creation date and time basis	Use the actual creation date; state time zone when a clock or sequence depends on time.
Relevant event / awareness / decision dates	Keep distinct dates separate. Use a linked chronology where more than one event exists.
Accountable author and role	Identify who recorded the information and within which task authority.
Reviewer / approver and authority	Identify the responsible review or approval function; blank does not mean approved.
Evidence references and versions	Link accessible original evidence, including adverse, missing or superseded items.
Record status and purpose	Use the relevant allowed states; evidence status and conformity status are separate.
Access / confidentiality class	Record authorised access; do not put protected operational detail in a public field.
Retention basis / custody / hold	Name the controlling retention rule, custodian and any preservation hold.
Correction / supersession history	Link the original, reason, person, actual date and affected downstream records.

Before accepting a record, verify unique identity, valid parent relationships, exact profile and configuration, actual time sequence and authorised origin. Check for duplicate keys, missing essential values, rejected evidence, unresolved findings, expired roles and unsupported public status. A successful key lookup is not proof that the linked source is true or relevant.

4 Manual operation, calculations and test cases

Create

Establish the actual triggering event and correct dataset. Allocate a unique ID, complete common and specific payload, retain the source and record unfilled essential fields as gaps rather than favourable defaults.

Review

A competent reviewer examines meaning, scope, evidence and event chronology. Where an independent decision is needed, route the versioned dossier to the separately authorised function instead of letting the custodian decide.

Update

Append changes with previous value, new value, reason, actual actor/date and decision reference. Retain superseded sources and historical state. Never reset a clock by copying the row into a new sheet.

Reconcile

Compare the expected population to actual records by identity, relationships, field semantics and permissible state. Confirm all exceptions, omissions and duplicates are accounted for before export or cutover.

Retain and recover

Use controlled access, retention, backups and actual recovery tests in the operational repository. This PDF provides the recording design only; test the deployed system and receiving custody independently.

Safe test	Expected result
Duplicate record ID	Detect collision and retain the original; do not silently overwrite or merge unrelated records.
Missing source / wrong configuration	Mark the dependency unavailable or mismatched and hold any affected positive conclusion.
Open finding / expired role	No unsupported grant, renewal, extension or unauthorised action. Preserve event-time assessment.
Old backup / missing later events	Reconcile post-backup history and current status before return to assured use.
Equal counts but substituted records	Fail semantic reconciliation; identify the actual missing and substituted identities.
Synthetic data in a public export	Exclude test records from live recipients and claims.

Manual calculations: count distinct record IDs, not duplicate appearances. Outstanding count = required population minus independently verified completed population only when both sets use the same definition and membership. A percentage is undefined if the denominator is absent or zero; do not display a favourable default. Calendar/month calculations follow Annex H. Any implemented formula requires separate known-answer, boundary and invalid-input tests.

1 Completion workflow and validation contract

PDF record architecture, field dictionary, manual review rules and blank capture sheets for Governance, Profile Release and Improvement Register. This replaces only the planned delivery format for this issue: it is not an executable spreadsheet, access-control system, database or automatic decision engine.

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.

Input group	Validation before reliance	Invalid / incomplete response
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
3.1 / 12	Scheme ownership and constitutional authority	Requirement, objective evidence and local child predicates
3.2 / 12	Accrediting and delivery entities	Requirement, objective evidence and local child predicates
3.3 / 13	Technical committees and programme stewardship	Requirement, objective evidence and local child predicates
4.1 / 13	Development request and feasibility	Requirement, objective evidence and local child predicates
4.2 / 14	Profile content and acceptance criteria	Requirement, objective evidence and local child predicates
4.3 / 14	Consultation and technical approval	Requirement, objective evidence and local child predicates
4.4 / 14	Pilot evaluation and method challenge	Requirement, objective evidence and local child predicates
4.5 / 14	Activation gate and scope release	Requirement, objective evidence and local child predicates
4.6 / 14	Interpretation and controlled evolution	Requirement, objective evidence and local child predicates
6.5 / 17	Independent oversight	Requirement, objective evidence and local child predicates
29.1 / 46	Internal audit	Requirement, objective evidence and local child predicates
29.2 / 47	Management review and performance	Requirement, objective evidence and local child predicates
29.3 / 47	Independent accrediting-operator review	Requirement, objective evidence and local child predicates
29.4 / 47	Consistency and technical learning	Requirement, objective evidence and local child predicates
30.2 / 48	Controlled transition	Requirement, objective evidence and local child predicates
30.3 / 48	Reliance and cooperation agreements	Requirement, objective evidence and local child predicates
30.4 / 48	Scope withdrawal and learner/customer protection	Requirement, objective evidence and local child predicates
31.3 / 49	Actual adoption record	Requirement, objective evidence and local child predicates
54.4 / 79	Occurrence, escape and affected population	Requirement, objective evidence and local child predicates
56.1 / 80	Distinct entities and authoritative records	Requirement, objective evidence and local child predicates

ASTRA ID / page	Source subject	Implementation use
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
57.4 / 82	Consistency without coerced agreement	Requirement, objective evidence and local child predicates
57.5 / 82	Independent accrediting-operator review	Requirement, objective evidence and local child predicates
59.3 / 84	Emerging domains and evidence gaps	Requirement, objective evidence and local child predicates
60.4 / 85	Integrated pilots and local system acceptance	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
62.1 / 88	Atomic requirement record	Explicit verification and acceptance predicate
62.2 / 88	Mandatory parameter completion	Explicit verification and acceptance predicate
62.3 / 88	Evidence validity before conformity	Explicit verification and acceptance predicate
62.7 / 89	Decision replay and consistency	Explicit verification and acceptance predicate
63.5 / 91	Unknown and future environments	Explicit verification and acceptance predicate
68.7 / 101	Status and long-term custody	Explicit verification and acceptance predicate
74.7 / 113	Disposition and residual responsibility	Explicit verification and acceptance predicate
75.7 / 115	Handover, resource claims and closure	Explicit verification and acceptance predicate
77.8 / 119	Independent campaign closure	Explicit verification and acceptance predicate
78.7 / 121	Recovery and semantic portability	Explicit verification and acceptance predicate
79.4 / 122	Affected populations and historical decisions	Explicit verification and acceptance predicate
79.5 / 122	Terminal evidence and responsible transfer	Explicit verification and acceptance predicate
79.6 / 123	Learning and sustained accountability	Explicit verification and acceptance predicate
80.1 / 124	One complete application schedule	Explicit verification and acceptance predicate
80.2 / 124	Domain and verification completeness	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
80.5 / 124	Continuing conformity and change	Explicit verification and acceptance predicate
80.6 / 125	Completion boundary	Explicit verification and acceptance predicate

4 Detailed module implementation

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.

AF-AST-PR-002 – Normative Development, Consultation and Profile Release

Implementation basis: 4.1 (p. 13); 4.2 (p. 14); 4.3 (p. 14); 4.4 (p. 14); 4.5 (p. 14); 59.3 (p. 84); 62.1 (p. 88); 62.2 (p. 88); 63.5 (p. 91); 80.1 (p. 124); 80.6 (p. 125)

X02.1 Convert need into a bounded development brief

Record the intended beneficiaries, affected object, existing family/module, mission domains, actual duty and evidence gaps. Distinguish a new method from a new programme family.

Completion / hold: HOLD remains until the activity and retained duties can be stated without an unrestricted sector label.

X02.2 Write testable proposed requirements

Assign stable child IDs to independent conditions, define predicates and populate every triggered technical parameter. Identify unresolved scientific assumptions rather than treating them as values.

Completion / hold: No live profile release while an essential criterion, method, authority or parameter is undefined.

X02.3 Test the proposal before approval

Use normal and adverse technical cases, secure mock records and independent first responses. Record unclear wording, discriminatory behaviour, practical burden and invalid inferences.

Completion / hold: Synthetic workflow success alone does not establish field method capability.

X02.4 Complete genuine consultation and activation

Preserve notice, comment population, original responses, reasoned dispositions, eligible voters and substantive votes. The actual technical and institutional approvals precede scope activation.

Completion / hold: Apply the existing consultation and voting gates and then independently prove operator, people, systems and exact-profile readiness.

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-024 – Internal Audit, Management Review and Improvement

Implementation basis: 29.1 (p. 46); 29.2 (p. 47); 29.4 (p. 47); 54.4 (p. 79); 57.4 (p. 82); 62.7 (p. 89); 77.8 (p. 119); 79.4 (p. 122); 79.6 (p. 123); 80.2 (p. 124)

X24.1 Select meaningful audit trails

Cover every active process, adverse decisions, technical witnesses, changed configurations, calculations, roles and public status, not only approved manuals.

Completion / hold: Auditors remain independent of their work and have the actual technical support needed for the selected trail.

X24.2 Reconcile measures with populations

Define numerator, denominator, exposure, exclusions, missing data and related safety/integrity gates before comparing trends.

Completion / hold: A rising completion percentage or declining complaint count is not proof that essential controls are effective.

X24.3 Moderate reasoning without coercion

Collect independent first responses, compare the exact facts, predicates and assumptions, and preserve legitimate dissent.

Completion / hold: Agreement alone is not correctness; unresolved technical differences require evidence or controlled clarification.

X24.4 Close improvement through actual effectiveness

Assign owners/resources and predetermined effectiveness criteria, preserve original failures and verify subsequent comparable performance.

Completion / hold: Minutes or a training event alone are not closure of an implementation weakness.

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-025 – Independent Operator Review and Reliance Arrangements

Implementation basis: 3.2 (p. 12); 6.5 (p. 17); 29.3 (p. 47); 30.3 (p. 48); 57.5 (p. 82); 62.3 (p. 88); 62.7 (p. 89); 80.3 (p. 124)

X25.1 Establish a disinterested operator-review mandate

Define the accrediting operator, activities, scope, independence, protected access, technical expertise and reporting route.

Completion / hold: No self-accreditation, reciprocal nominal approval or assumed external acceptance follows from the review.

X25.2 Sample operator-level vertical cases

Review authentic or explicitly synthetic trails across governance, admission, methods, people, evidence, decisions, remedies, finances and registry.

Completion / hold: A review of the standard text is not a review of implemented operator competence.

X25.3 Challenge reliance boundaries

For third-party results, examine actual scope, method, site, period, configuration, limitations, monitoring and withdrawal conditions.

Completion / hold: An MoU, membership or similar title is not sufficient evidence of equivalence or an unrestricted reliance right.

X25.4 Close findings and state limits

Preserve the independent report, original findings, verified corrective effect and actual follow-up interval under the core.

Completion / hold: Successful document review establishes only the stated review boundary, not universal international acceptance.

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-028 – Change, Transition, Transfer and Programme Closure

Implementation basis: 30.2 (p. 48); 30.4 (p. 48); 31.3 (p. 49); 56.5 (p. 81); 61.3 (p. 86); 62.7 (p. 89); 68.7 (p. 101); 74.7 (p. 113); 75.7 (p. 115); 78.7 (p. 121); 79.5 (p. 122); 80.5 (p. 124)

X28.1 Map the complete change population

Identify affected requirements, profiles, objects, configurations, sites, people, calculations, fields, interfaces and public claims.

Completion / hold: A cosmetic filename or edition-label change cannot hide a changed technical basis.

X28.2 Establish retained and additional evidence

Record what remains valid, what is invalidated, required new demonstration, compatible tools and actual competence. Keep mandatory protective duties active during transition.

Completion / hold: No automatic grandfathering, retrospectively applied requirement or unsupported transfer of scope.

X28.3 Accept custody and local implementation

Reconcile semantic records, permissions, actual receiving capability, remaining learners/customers, open cases, notices and independent decisions.

Completion / hold: Sending an archive or signing a commercial handover does not establish accepted technical custody.

X28.4 Close without abandoning terminal duties

Preserve unknown final states, original status gaps, hazardous inventories, unresolved remedies and actual receiving owners.

Completion / hold: Only demonstrably complete obligations are closed; remaining duties stay assigned after programme or provider cessation.

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

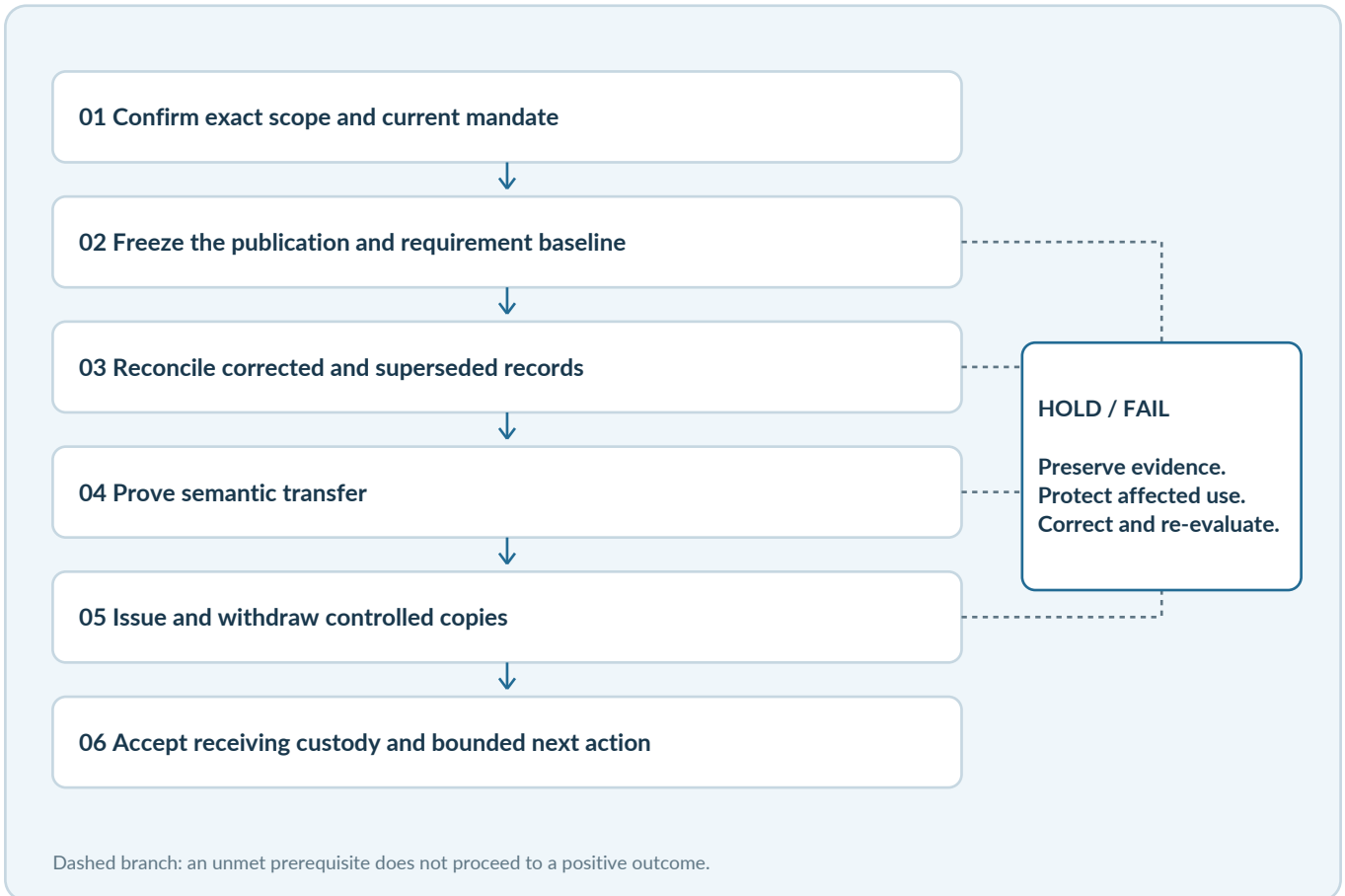
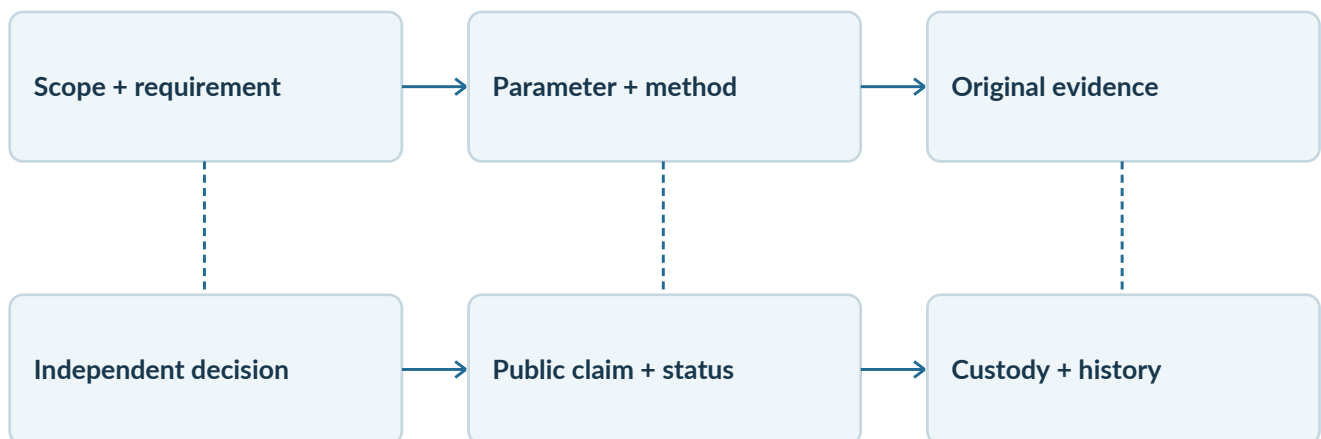


Figure — Implementation sequence for AF-AST-PR-001. Explanatory diagram; the source prerequisites and actual authority remain controlling.



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.

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

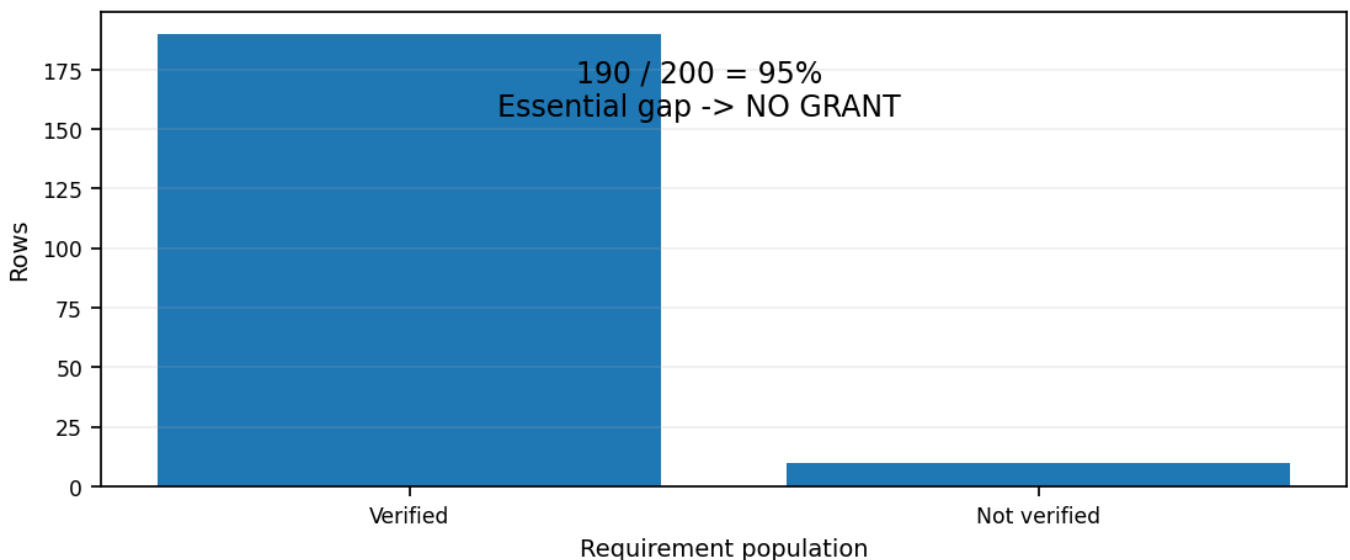


Figure Q03 – Synthetic visualisation. The axes and stated scenario define the quantity; no graph is an accreditation score, approved operating envelope or evidence of a real mission.

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.Q04 Committee arithmetic and accreditation panels

Source: ASTRA Annex AM, Q04, page 203. All numerical inputs in this example are synthetic.

Substantive participation minimum = $\text{ceil}(2N/3)$

Affirmative minimum = $\text{ceil}(2V/3)$

Variables and units

N is the eligible committee population; V is the number of substantive yes/no votes. These equations concern the technical committee, not an applicant panel.

Example inputs

Synthetic committee: N=9, V=6, yes=4, no=2. Separate accreditation panel: three eligible members, two affirmative and one adverse.

Calculation and checks

1. Participation: $\text{ceil}(2 \times 9 / 3) = 6$; actual V=6 meets it.
2. Affirmative: $\text{ceil}(2 \times 6 / 3) = 4$; actual yes=4 meets it.
3. Accreditation panel: all three must participate; at least two support and all technical gates must pass.
4. Two participating panel members voting yes do not form a valid three-person panel.

Decision interpretation: The committee arithmetic passes for the stated case. The separate panel can decide positively only if technical gates and eligibility are all established.

Validity limits: Abstentions are not substantive committee yes/no votes. Rounding is upward. A mathematical majority never resolves missing technical evidence or an ineligible member.

ASTRA connections: 3.4; 4.3; 15.3; Annex B

Committee participation threshold

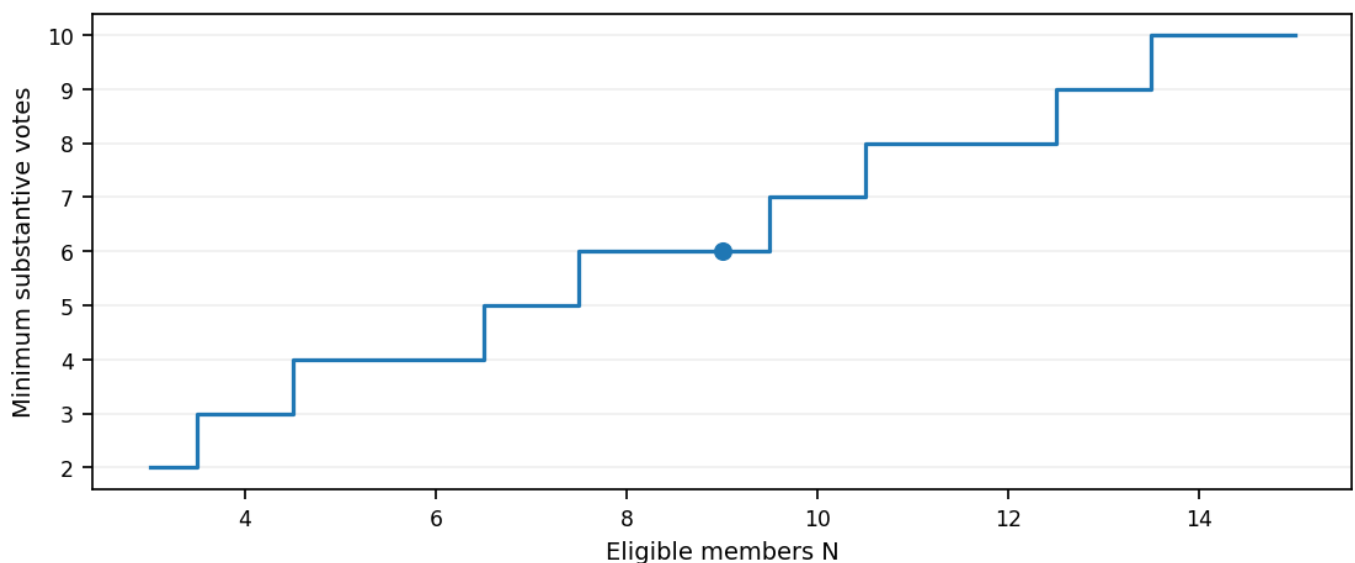


Figure Q04 – Synthetic visualisation. The axes and stated scenario define the quantity; no graph is an accreditation score, approved operating envelope or evidence of a real mission.

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.

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

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. $T_{eval} = 48/8 = 6$ 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

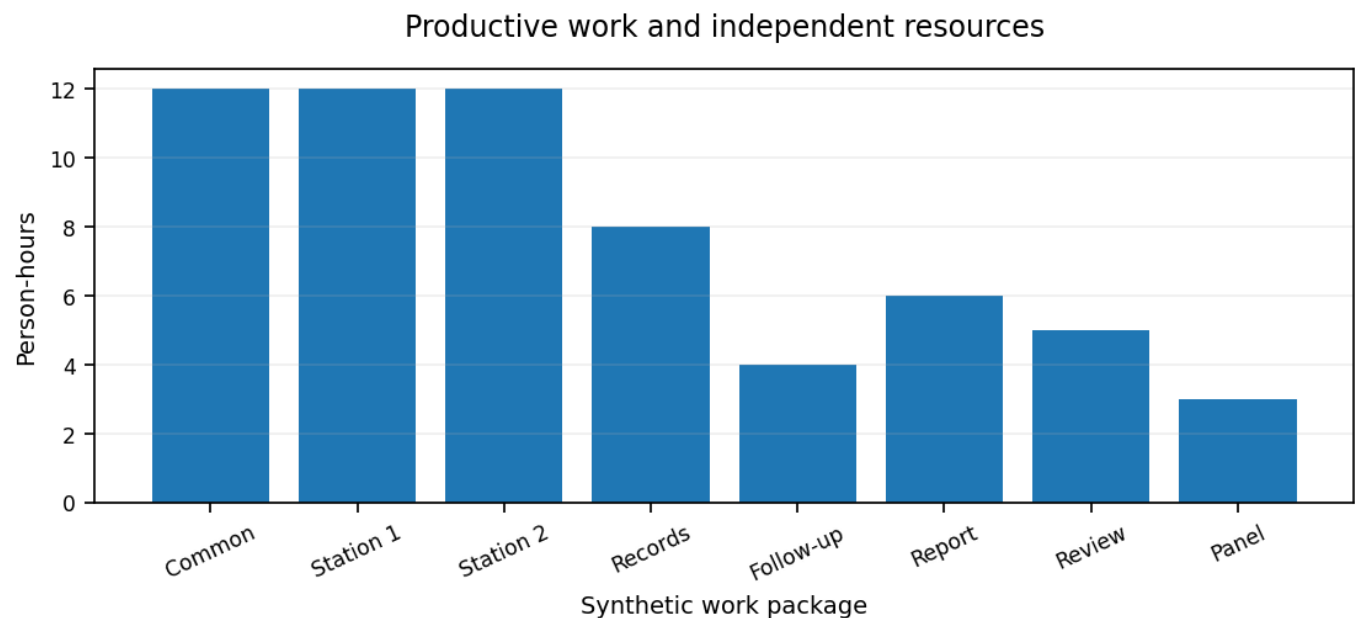


Figure Q05 — Synthetic visualisation. The axes and stated scenario define the quantity; no graph is an accreditation score, approved operating envelope or evidence of a real mission.

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.Q06 Random detection sample size

Source: ASTRA Annex AM, Q06, page 205. All numerical inputs in this example are synthetic.

$$P(\text{at least one detection}) = 1 - (1-p)^n$$

$$n_{min} = \text{ceil}[\ln(1-C)/\ln(1-p)]$$

Variables and units

p is a fixed issue probability per independent representative observation; C is the selected target detection probability; n is a positive integer.

Example inputs

Synthetic $p=0.10$ and $C=0.95$.

Calculation and checks

1. $\ln(0.05)/\ln(0.90) = 28.433158...$; round upward to $n=29$.

2. $P(\text{detection at } n=29) = 1 - 0.9^{29} = 0.9528987130$.

3. At $n=28$, $P = 0.9476652367$, below the specified target.

Decision interpretation: 29 is the minimum integer sample for the stated independent model; the demonstration does not certify 95% conformity.

Validity limits: This calculation is invalid for unexamined dependence, changing p , biased selection or a judgemental sample represented as random. Detection is also conditional on an effective observation method.

ASTRA connections: 9.3; Annex F.5; 55.3

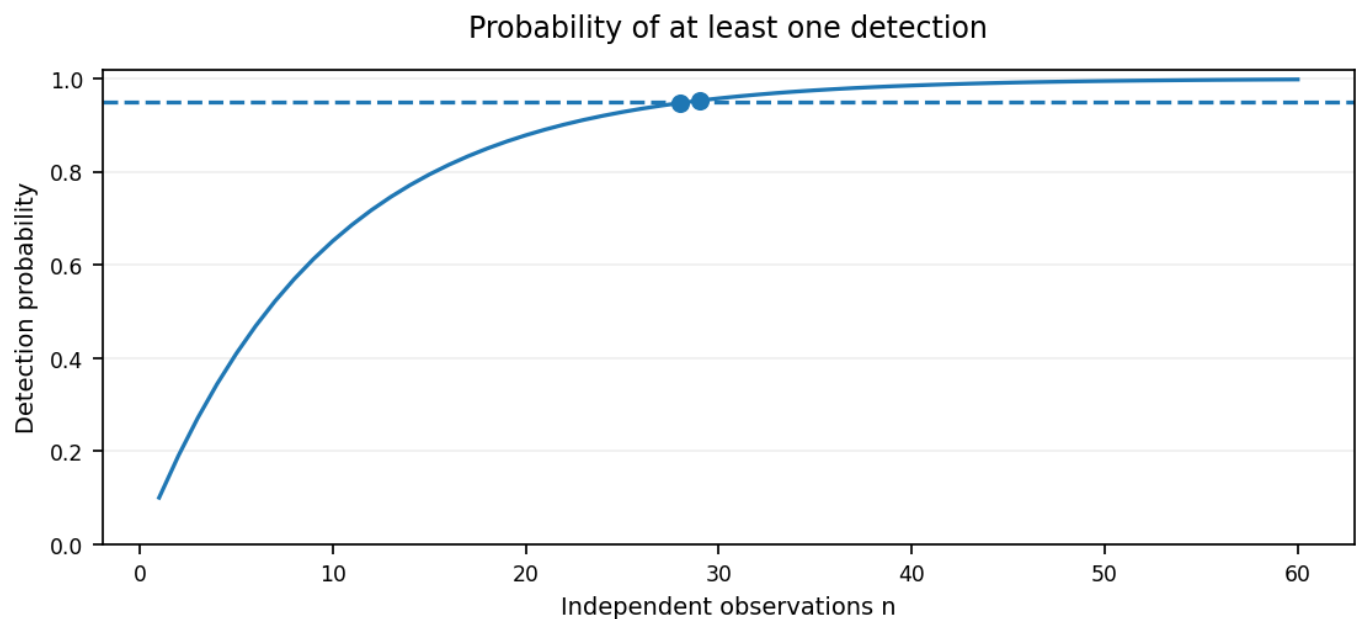


Figure Q06 – Synthetic visualisation. The axes and stated scenario define the quantity; no graph is an accreditation score, approved operating envelope or evidence of a real mission.

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.Q09 Availability is not output correctness

Source: ASTRA Annex AM, Q09, page 208. All numerical inputs in this example are synthetic.

$$A_{\text{observed}} = T_{\text{available}}/T_{\text{window}}$$

$$\text{Correct-service fraction} = T_{\text{available_and_correct}}/T_{\text{window}}$$

Variables and units

All categories shall use the same declared window and explicit downtime and integrity definitions. Missing time is separately recorded.

Example inputs

Synthetic window=1,000 h; available=960 h; unavailable=40 h. Of the available time, 20 h produced unacceptable information.

Calculation and checks

1. Availability = $960/1,000 = 96\%$.

2. Available-and-correct time = $960 - 20 = 940$ h.

3. Correct-service fraction = $940/1,000 = 94\%$.

Decision interpretation: The 96% availability value does not prove correctness during every available hour. The two measures support different requirements.

Validity limits: The service boundary, outages, correctness test, unknown intervals and planned exclusions must be established in advance. A high uptime percentage cannot close an integrity failure.

ASTRA connections: 51.4; 55.1; 66.7; 78.7

Availability and correct service are different

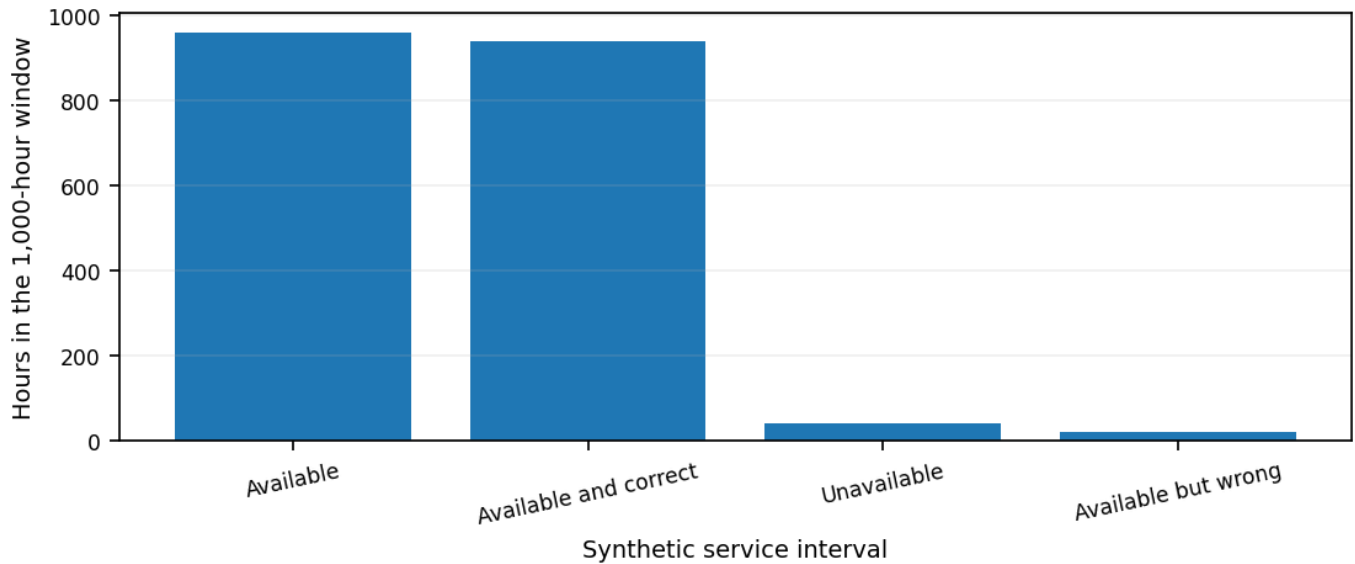


Figure Q09 – Synthetic visualisation. The axes and stated scenario define the quantity; no graph is an accreditation score, approved operating envelope or evidence of a real mission.

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-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.
PR-002: Convert need into a bounded development brief — required basis missing	HOLD remains until the activity and retained duties can be stated without an unrestricted sector label.	Original input, unresolved value, affected requirement and scope; named action owner.
PR-002: Complete genuine consultation and activation — handover or review incomplete	Apply the existing consultation and voting gates and then independently prove operator, people, systems and exact-profile readiness.	Expected and observed state; independent replay; correction/retest; receiving acknowledgement.
PR-024: Select meaningful audit trails — required basis missing	Auditors remain independent of their work and have the actual technical support needed for the selected trail.	Original input, unresolved value, affected requirement and scope; named action owner.
PR-024: Close improvement through actual effectiveness — handover or review incomplete	Minutes or a training event alone are not closure of an implementation weakness.	Expected and observed state; independent replay; correction/retest; receiving acknowledgement.
PR-025: Establish a disinterested operator-review mandate — required basis missing	No self-accreditation, reciprocal nominal approval or assumed external acceptance follows from the review.	Original input, unresolved value, affected requirement and scope; named action owner.
PR-025: Close findings and state limits — handover or review incomplete	Successful document review establishes only the stated review boundary, not universal international acceptance.	Expected and observed state; independent replay; correction/retest; receiving acknowledgement.
PR-028: Map the complete change population — required basis missing	A cosmetic filename or edition-label change cannot hide a changed technical basis.	Original input, unresolved value, affected requirement and scope; named action owner.
PR-028: Close without abandoning terminal duties — handover or review incomplete	Only demonstrably complete obligations are closed; remaining duties stay assigned after programme or provider cessation.	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

Dataset / entry ID / parent case or object

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.

Profile / configuration / site and outcome boundary

Record the precise as-designed, built, tested, loaded, delivered or operated state relevant to the decision. Link versioned hardware, software, parameters, material history and interfaces; list differences and retained/new evidence explicitly.

Field name(s), actual value(s), units and source 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.

Original evidence references and purpose-specific state

Identify contemporaneous raw records, actual performer, object and configuration, conditions, timestamps, transformations and available originals. Distinguish observation, model inference, operator statement and synthetic material; preserve failed and invalid attempts.

Relevant actual event dates and declared time 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.

Required relationship checks and unresolved exceptions

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.

Reviewer / authority / actual acceptance reference

Identify the frozen dossier, current scope and source basis, reviewer competence and conflicts, all mandatory child states, finding closure and actual decision authority. Record reasons, dissent, exact limitations and genuine event time; a vote does not create evidence.

Correction history / affected recipients / custody

Retain the measurement function, raw and corrected values, units, uncertainty sources, sensitivity and dependence, coverage interpretation and unrounded computation. Independently check the applicable model and boundary predicate; invalid inputs or overlap remain HOLD where required.

Retained fields 9 onward

Entry ID, parent links and actual event for Governance and authority

Entry ID, parent links and actual event for Governance and authority 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 field values — Governance and authority

additional controlled sheets for repeated entries. 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.

Review, limitations, correction and custody — Governance and authority

Retain the measurement function, raw and corrected values, units, uncertainty sources, sensitivity and dependence, coverage interpretation and unrounded computation. Independently check the applicable model and boundary predicate; invalid inputs or overlap remain HOLD where required.

Entry ID, parent links and actual event for Normative development

Entry ID, parent links and actual event for Normative development 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 field values — Normative development

eligible_roll, substantive_votes, technical_approval. Use additional controlled sheets for repeated entries. 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.

Review, limitations, correction and custody — Normative development

Retain the measurement function, raw and corrected values, units, uncertainty sources, sensitivity and dependence, coverage interpretation and unrounded computation. Independently check the applicable model and boundary predicate; invalid inputs or overlap remain HOLD where required.

Retained fields 15 onward

Entry ID, parent links and actual event for Profile releases

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 field values — Profile releases

institutional_authority, effective_time. Use additional controlled sheets for repeated entries. 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.

Review, limitations, correction and custody — Profile releases

Retain the measurement function, raw and corrected values, units, uncertainty sources, sensitivity and dependence, coverage interpretation and unrounded computation. Independently check the applicable model and boundary predicate; invalid inputs or overlap remain HOLD where required.

Entry ID, parent links and actual event for Audit and improvement

Separate why the event occurred from why controls failed to detect or prevent it. Preserve tested and rejected explanations, affected populations, actions and prospectively defined effectiveness evidence. Training or a revised document alone does not close a systemic cause.

Actual field values — Audit and improvement

Separate why the event occurred from why controls failed to detect or prevent it. Preserve tested and rejected explanations, affected populations, actions and prospectively defined effectiveness evidence. Training or a revised document alone does not close a systemic cause.

Review, limitations, correction and custody — Audit and improvement

Retain the measurement function, raw and corrected values, units, uncertainty sources, sensitivity and dependence, coverage interpretation and unrounded computation. Independently check the applicable model and boundary predicate; invalid inputs or overlap remain HOLD where required.

Entry ID, parent links and actual event for Transition and closure

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.

Retained fields 22 onward**Actual field values — Transition and closure**

actual_acceptance. Use additional controlled sheets for repeated entries. 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.

Review, limitations, correction and custody — Transition and closure

Retain the measurement function, raw and corrected values, units, uncertainty sources, sensitivity and dependence, coverage interpretation and unrounded computation. Independently check the applicable model and boundary predicate; invalid inputs or overlap remain HOLD where required.

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-001 X1 — 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: PASS requires a uniquely retrievable source and an authorised effective version; a matching filename is insufficient.

PR-001 X2 — 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 applies when the earlier decision cannot be reconstructed or a required original is inaccessible.

PR-001 X3 — 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: Matching counts without matching identities and meanings fails transfer acceptance.

PR-001 X4 — 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: Release needs authentic authority, a complete distribution record and tested retrieval of both current and historical evidence.

PR-002 X1 — Convert need into a bounded development brief

Record the intended beneficiaries, affected object, existing family/module, mission domains, actual duty and evidence gaps. Distinguish a new method from a new programme family. Completion: HOLD remains until the activity and retained duties can be stated without an unrestricted sector label.

PR-002 X2 — Write testable proposed requirements

Assign stable child IDs to independent conditions, define predicates and populate every triggered technical parameter. Identify unresolved scientific assumptions rather than treating them as values. Completion: No live profile release while an essential criterion, method, authority or parameter is undefined.

PR-002 X3 — Test the proposal before approval

Use normal and adverse technical cases, secure mock records and independent first responses. Record unclear wording, discriminatory behaviour, practical burden and invalid inferences. Completion: Synthetic workflow success alone does not establish field method capability.

PR-002 X4 — Complete genuine consultation and activation

Preserve notice, comment population, original responses, reasoned dispositions, eligible voters and substantive votes. The actual technical and institutional approvals precede scope activation. Completion: Apply the existing consultation and voting gates and then independently prove operator, people, systems and exact-profile readiness.

PR-024 X1 — Select meaningful audit trails

Cover every active process, adverse decisions, technical witnesses, changed configurations, calculations, roles and public status, not only approved manuals. Completion: Auditors remain independent of their work and have the actual technical support needed for the selected trail.

PR-024 X2 — Reconcile measures with populations

Define numerator, denominator, exposure, exclusions, missing data and related safety/integrity gates before comparing trends. Completion: A rising completion percentage or declining complaint count is not proof that essential controls are effective.

PR-024 X3 — Moderate reasoning without coercion

Collect independent first responses, compare the exact facts, predicates and assumptions, and preserve legitimate dissent. Completion: Agreement alone is not correctness; unresolved technical differences require evidence or controlled clarification.

PR-024 X4 — Close improvement through actual effectiveness

Assign owners/resources and predetermined effectiveness criteria, preserve original failures and verify subsequent comparable performance. Completion: Minutes or a training event alone are not closure of an implementation weakness.

PR-025 X1 — Establish a disinterested operator-review mandate

Define the accrediting operator, activities, scope, independence, protected access, technical expertise and reporting route. Completion: No self-accreditation, reciprocal nominal approval or assumed external acceptance follows from the review.

PR-025 X2 — Sample operator-level vertical cases

Review authentic or explicitly synthetic trails across governance, admission, methods, people, evidence, decisions, remedies, finances and registry. Completion: A review of the standard text is not a review of implemented operator competence.

PR-025 X3 — Challenge reliance boundaries

For third-party results, examine actual scope, method, site, period, configuration, limitations, monitoring and withdrawal conditions. Completion: An MoU, membership or similar title is not sufficient evidence of equivalence or an unrestricted reliance right.

PR-025 X4 — Close findings and state limits

Preserve the independent report, original findings, verified corrective effect and actual follow-up interval under the core. Completion: Successful document review establishes only the stated review boundary, not universal international acceptance.

PR-028 X1 — Map the complete change population

Identify affected requirements, profiles, objects, configurations, sites, people, calculations, fields, interfaces and public claims. Completion: A cosmetic filename or edition-label change cannot hide a changed technical basis.

PR-028 X2 — Establish retained and additional evidence

Record what remains valid, what is invalidated, required new demonstration, compatible tools and actual competence. Keep mandatory protective duties active during transition. Completion: No automatic grandfathering, retrospectively applied requirement or unsupported transfer of scope.

PR-028 X3 — Accept custody and local implementation

Reconcile semantic records, permissions, actual receiving capability, remaining learners/customers, open cases, notices and independent decisions. Completion: Sending an archive or signing a commercial handover does not establish accepted technical custody.

PR-028 X4 — Close without abandoning terminal duties

Preserve unknown final states, original status gaps, hazardous inventories, unresolved remedies and actual receiving owners. Completion: Only demonstrably complete obligations are closed; remaining duties stay assigned after programme or provider cessation.

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.

3.1 – Scheme ownership and constitutional authority

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

Aerospace Federation owns the programme rule set and controls its publication, development, authorised use and registry architecture within its actual rights and powers. The Presidential Council remains the corporate Board of Directors; the President leads implementation within recorded authority. Programme councils, technical groups and case panels are functional arrangements, not new corporate boards. Their mandates shall identify decisions they may make, resources, oversight and limits. This standard shall not alter committee election, leadership succession or constitutional voting rules.

Required evidence: Programme charter; verified delegations; functional-body mandates.

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.

3.3 – Technical committees and programme stewardship

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

Permanent voting committee offices shall follow the AF constitutional election arrangements. Competent working groups may develop technical proposals without acquiring permanent office or case-decision authority. Each active family shall have a responsible technical owner and a maintained work programme. Representation shall be balanced sufficiently to expose relevant operator, supplier, professional, education and public-interest concerns. No dominant commercial group shall control acceptance criteria to exclude competitors without a defensible technical need.

Required evidence: Committee charter; competence and balance review; technical work programme; recorded objections.

4.1 – Development request and feasibility

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

A new profile shall start from a defined sector need, intended beneficiaries, output type, failure consequences and available evidence. The technical owner shall assess whether a new profile is necessary or an existing one can cover the activity without scope distortion. The development record shall consider feasibility, access, resources, conflicts, proportionate burden and the capability required of evaluators. A catalogue entry or market demand alone is not approval of a method or authority to solicit formal applications.

Required evidence: Development brief; duplicate-scope review; feasibility and resource decision.

4.2 – Profile content and acceptance criteria

Source: AF-AST-STD-001, page 14.

Every released profile shall contain the fields in Annex C: exact scope, prerequisites, measurable or defined attribute criteria, methods, sampling, uncertainty, essential controls, competence, sites, witnessing, decision rules, duration, surveillance, records and permissible claims. Criterion limits shall be derived from the actual technical and obligation basis. They shall be fixed before results are evaluated. There shall be no universal tolerance, environmental test load, staff ratio, curriculum credit total or carbon threshold invented to cover unrelated applications.

Required evidence: Complete approved profile; criterion-to-method map; acceptance rationale.

4.3 – Consultation and technical approval

Source: AF-AST-STD-001, page 14.

Substantive requirements shall receive at least 60 calendar days of public consultation before final technical approval through the applicable AF process. Material comments and dissent shall receive recorded dispositions. Final normative committee approval requires substantive yes-or-no participation by at least two thirds of eligible voting members and affirmative votes from at least two thirds of those substantive votes, rounded upward. Material new requirements introduced after consultation shall undergo further review or consultation proportionate to their effect. Actual records shall be retained; preparation does not retrospectively establish consultation.

Required evidence: Notice; comments and dispositions; eligible roll; substantive vote and approval records.

4.4 – Pilot evaluation and method challenge

Source: AF-AST-STD-001, page 14.

Before release, the operator shall exercise representative normal and adverse cases, including an undefined scope, inaccessible evidence, a failed critical requirement, a conflict, a rejected result, a status change, an appeal and a recovery failure. Technical pilots shall examine criterion clarity, discrimination, burden, evaluator agreement and evidence sufficiency. Participants shall be told the restricted pilot purpose. Synthetic cases shall be labelled. A pilot participation letter shall not be a live accreditation, certification or recognition result.

Required evidence: Pilot plan; authentic or clearly synthetic cases; findings; verified correction and limitations.

4.5 – Activation gate and scope release

Source: AF-AST-STD-001, page 14.

A scope becomes available only after the independent technical readiness check and authorised institutional activation described in Annex P. Confirm lawful operator identity, complete profile, competent teams and decision authority, executed terms, working evidence and registry systems, remedies, resources and continuity. Release shall identify exact available scopes and unavailable supplements. A partially ready portfolio may open only the independently complete profiles; unrelated incomplete development projects need not block that release. No profile shall borrow an unverified capability from a future programme.

Required evidence: Scope-release checklist; readiness evidence; authorised effective date; published boundaries.

4.6 – Interpretation and controlled evolution

Source: AF-AST-STD-001, page 14.

A controlled interpretation may explain an existing condition but shall not change a threshold, expand a claim, waive competence or convert missing evidence into a pass. Such changes require formal normative version and prospectively defined transition. Review active rules at least every three years and sooner after serious incidents, method failures or material technological change. Retain earlier criteria and decisions. An urgent factual safety communication may protect users but shall not be disguised as an unconsulted new accreditation requirement.

Required evidence: Interpretation register; change classification; transition assessment; version archive.

6.5 – Independent oversight

Source: AF-AST-STD-001, page 17.

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

Required evidence: Oversight mandate; access and budget; independent reports; resolved or escalated threats.

29.1 – Internal audit

Source: AF-AST-STD-001, page 46.

Audit every active programme process at least annually, with additional attention to risk, changes, complaints and poor performance. Auditors shall be competent and independent of their own work. Examine real application-to-outcome trails,

rejected cases, technical witnessing, conflicts, calculations, status changes and corrective effectiveness. A self-assessment or management statement shall not be presented as independent accreditation of the programme itself.

Required evidence: Risk-based audit programme; independent auditors; actual trails; verified follow-up.

29.2 – Management review and performance

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

Review programme performance and risk quarterly and conduct a formal management review at least annually. Inputs shall include technical reliability, impartiality, competence, resources, access, holder outcomes, adverse evidence, complaints, data, finances, emerging needs and prior actions. Outputs shall identify decisions, owners, resources, due dates and effectiveness. Commercial growth and certificate volume are not sufficient measures of programme quality or public benefit.

Required evidence: Review inputs/minutes; balanced measures; actions and effectiveness.

29.3 – Independent accrediting-operator review

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

Before launch and at intervals no greater than 36 months, obtain an independent review of the accrediting operator's competence, impartiality, technical coverage, governance, decisions and actual implementation, with earlier review after serious concerns. The reviewers shall be competent and free of reciprocal self-approval. Their findings, limits and corrective results shall be recorded. This internal programme requirement does not itself establish membership of an external recognition arrangement or international acceptance.

Required evidence: Independent reviewers; operator evaluation; findings/closure; evidenced limits of standing.

29.4 – Consistency and technical learning

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

Use anonymised case comparisons and calibrated exercises to test whether different competent teams reach compatible interpretations and decisions. Investigate material disagreement, including unclear criteria and evidence limitations. Do not force uniform outcomes when objects or evidence genuinely differ. Share lessons through controlled updates and training without exposing confidential information or changing requirements informally. Significant method weaknesses shall trigger review of affected past work.

Required evidence: Inter-evaluator exercises; disagreement analysis; lessons; affected-case correction.

30.2 – Controlled transition

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

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

Required evidence: Transition plan; holder impact; competence/tool updates; actual effective versions.

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.

30.4 – Scope withdrawal and learner/customer protection

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

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

Required evidence: Closure plan; affected-party notices; transfer/teach-out; retained records and remedies.

31.3 – Actual adoption record

Source: AF-AST-STD-001, page 49.

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

Required evidence: Authentic adoption; completed compatibility conditions; individual scope activation.

54.4 – Occurrence, escape and affected population

Source: AF-AST-STD-001, page 79.

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

Required evidence: Occurrence/escape analysis; population and dependency trace; tested causes; historical impact and recipient action.

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.

57.4 – Consistency without coerced agreement

Source: AF-AST-STD-001, page 82.

The programme shall use independent first responses to representative anonymised cases, followed by comparison of reasoning, evidence and outcome. Moderation shall distinguish unclear criteria, different facts, missing expertise and legitimate technical disagreement. A majority answer shall not become technical truth by itself. Quantitative agreement measures shall state their design and limitations and shall not be equated with correctness. Lessons affecting requirements shall follow controlled interpretation or version rather than informal instruction to produce uniform results.

Required evidence: Exercise design; independent responses; moderated reasoning; disagreement causes; controlled learning actions.

57.5 – Independent accrediting-operator review

Source: AF-AST-STD-001, page 82.

The independent operator review shall examine actual governance, competence, impartiality, technical methods, resources, case trails, decisions, remedies and registry integrity. Reviewers shall be genuinely independent and have adequate protected evidence access. The interval and pre-launch requirements in Clause 29.3 remain controlling. Review findings shall have verified correction and a bounded report. Completion of this internal programme review shall not be represented as external recognition or universal international acceptance.

Required evidence: Independent mandate and reviewers; actual case sampling; findings/closure; bounded report and continuing actions.

59.3 – Emerging domains and evidence gaps

Source: AF-AST-STD-001, page 84.

Candidate topics may include new propulsion and energy architectures, advanced materials, adaptive manufacturing, autonomous services, distributed space systems, remote habitation and evolving digital trust mechanisms. These are development directions, not forecasts of maturity or promised programme releases. The technical owner shall determine their specific hazards, dependencies, measurement needs, assessor competence and acceptance criteria. No universal test recipe or claim of future readiness shall replace a completed technical profile.

Required evidence: Topic-specific profile development; hazard and evidence analysis; competence feasibility; prospective acceptance basis.

60.4 – Integrated pilots and local system acceptance

Source: AF-AST-STD-001, page 85.

Before live scope release, perform representative technical and workflow pilots and verify correction of blocking findings. Test actual source access, assessment coverage, adverse results, conflicts, independent decisions, public claims and recovery. Local system validation shall test the actual deployment, not only a reference workbook. Synthetic cases support logic checks but shall not be represented as genuine applicants or field validation. Readiness conclusions shall state precisely which capabilities have been demonstrated.

Required evidence: Pilot plans and executed evidence; findings/retests; local validation; bounded readiness report.

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.

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.

62.3 — Evidence validity before conformity

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

The evaluator shall first determine whether evidence belongs to the correct object, configuration, period, method and authorised performer and whether it is usable for the intended inference. Only valid relevant evidence shall enter a conformity predicate. Rejected, corrupted, missing, unobservable or wrong-version evidence shall remain identified. Evidence may be valid and show failure; an invalid test is not a valid pass or a valid proof of product failure.

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

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

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.

63.5 — Unknown and future environments

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

For a novel environment or technology, the technical owner shall document known conditions, uncertain mechanisms, missing measurements, model limitations and the evidence needed to resolve them. Restricted research may continue only inside its approved protective boundary. An operational or conformity claim shall not be issued until the essential criteria and evidence are complete. Existing equations shall not be extrapolated beyond their validity without a tested

justification.

Verification: Examine novelty analysis, experiment authority and unresolved-condition register.

Acceptance / hold rule: Unknown essential behaviour is not recorded as safe or conforming. Development status and permitted work are explicit.

68.7 — Status and long-term custody

Source: AF-AST-STD-001, page 101.

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

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

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

74.7 — Disposition and residual responsibility

Source: AF-AST-STD-001, page 113.

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

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

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

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.

77.8 — Independent campaign closure

Source: AF-AST-STD-001, page 119.

The final dossier shall reconcile configuration, criteria, valid results, adverse evidence, untested characteristics, uncertainty, concessions and open duties. Qualification, article acceptance, laboratory competence and ASTRA conformity shall retain separate decisions. A technical concession shall not be relabelled as fulfilment of the original criterion.

Verification: Perform independent requirement-by-requirement closure with actual decision authority.

Acceptance / hold rule: Every applicable gate for the exact claimed object passes; counts, percentages or programme completion dates alone cannot release the object.

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.

79.4 – Affected populations and historical decisions

Source: AF-AST-STD-001, page 122.

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

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

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

79.5 – Terminal evidence and responsible transfer

Source: AF-AST-STD-001, page 122.

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

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

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

79.6 – Learning and sustained accountability

Source: AF-AST-STD-001, page 123.

Lessons shall be translated into controlled requirements, methods, training, resources or interfaces and verified under representative conditions. Protect good-faith reporting and distinguish allegation from substantiated misconduct. Long-term archives shall retain technical meaning, access conditions and correction responsibility after staff, tools or institutions change.

Verification: Review corrective effectiveness and test retrieval by a receiving competent reviewer.

Acceptance / hold rule: The affected controls demonstrably improve and the mission record remains interpretable; publication of a lesson alone is not closure.

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.

80.2 – Domain and verification completeness

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

Map every applicable domain and requirement to valid verification and to an accountable conclusion. Treat domain counts, test counts and completed checklist percentages as planning measures only. Annex T is not exhaustive of all future methods; a newly discovered material mechanism shall create a controlled additional requirement and evidence task before the affected claim proceeds.

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

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

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.

80.5 – Continuing conformity and change

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

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

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

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

80.6 – Completion boundary

Source: AF-AST-STD-001, page 125.

The final document is a requirement and evidence framework. Each actual mission and technical profile shall complete its numerical limits, specialist procedures, permissions and validation. Newly authored provisions shall follow the real adoption process before binding live use. No statement in this publication guarantees that every undiscovered physical phenomenon or future technology has already been validated.

Verification: Review the final release dossier and the truthful distinction between prepared text and real implementation.

Acceptance / hold rule: Only the exact demonstrated and authorised scope is released; incomplete domains remain available for controlled development, not presumed conformity.

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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