AF 9100:2026

Aerospace Quality Management System

CHECKLIST

Organizational Management and Assurance — ORG Checklist

AF-CL-9100-013

FIRST EDITION

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Publication identity and application

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Use and document-control boundary

This companion implements the supplied AF 9100 requirement basis without changing the original standard. Its process allocation, examples, checklists and record design are authored implementation material. Actual mission or product limits, specialist procedures, permissions and genuine observations must be completed before consequential use. Applicable source minima and independent decision conditions cannot be reduced by this companion.

The printed edition date identifies the companion series; it is not evidence that later preparation, review or operational decisions occurred on that date. New support codes in this set are proposed allocations for controlled registration. Established AF-IG-9100-001, AF-FAQ-9100-001 and AF-TR-9100-001 identities are retained; earlier files, the corporate master list and ASTRA codes are not overwritten.

Equivalent combined or digital records are permitted when all required fields, relationships, authority and history remain intact. A completed PDF field or typed name is not evidence of an authenticated approval. Blank records in this delivery contain no invented applicant, signature, event or result.

Interactive fields are blank by default. Save a working copy, use continuation records where necessary and preserve raw supporting evidence outside the PDF through controlled references. Separate issued PDFs are the authoritative interactive copies; the combined reading edition is flattened.

Contents and reading route

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Contents and reading route 3

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Select actual scope → complete application criteria → use the applicable procedure and technical book → capture authentic evidence → evaluate every applicable condition → obtain the required independent decision. Document availability does not establish implementation or conformity.

1 Checklist use and state definitions

Evaluate the whole source condition, including every joined sub-condition. Where different parts have different evidence, add separate continuation rows linked to the original identifier. Do not compress a compound requirement into a favorable summary.

Field state	Meaning
PASS	Conforming: valid evidence meets the approved applicable condition.
FAIL	Nonconforming: valid evidence demonstrates failure of the applicable requirement.
HOLD	Not yet demonstrated: applicability, criteria, evidence, validity, interpretation or authority remains unresolved.
N/A	Not applicable only with an approved absence-of-activity-and-responsibility rationale. Missing resources or access are not exclusions.

States in this companion map to the source's requirement-status dictionary; operational record status and evidence validity remain separate. No prefilled state is supplied. A metric counts progress only and cannot override a mandatory failure.

Assessment / case / object / profile / evaluated version

Assessor / actual dates / route / sites / configuration / selected scope

Approved applicability and exclusions / continuation record location

2 Complete source-condition evaluation

1.1 — Organizations and value chains covered

1.1(a) This standard applies to organizations that design, develop, manufacture, assemble, integrate, test, inspect, procure, distribute, maintain, operate or support products and services for aviation, space, defense, heavy industry and mission-specific mobility. It includes prime contractors, equipment manufacturers, all supplier tiers, research organizations, engineering services, software providers, logistics providers and support facilities.

Reference or explanatory condition: use for interpretation; this row is not a newly invented pass threshold.

1.1(b) The scope includes civil and military aircraft, rotorcraft, unmanned systems, advanced air mobility, satellites, launch and ground systems, orbital and surface infrastructure, land and maritime defense platforms, industrial machinery, process plant and associated infrastructure. Automotive-derived products are included when used for defense missions, space exploration, launch-site support or other mission-specific applications. General-road homologation and specialized mission approval remain distinct responsibilities.

Reference or explanatory condition: use for interpretation; this row is not a newly invented pass threshold.

1.2 — Products, services, processes and people

1.2(a) Covered outputs include hardware, materials, electronics, embedded and application software, artificial-intelligence models, datasets, technical information, digital and professional services, training affecting competence, maintenance actions and integrated systems of systems. Covered delivery resources include personnel, special processes, subcontractors, sub-tier suppliers, laboratories, inspection and assessment providers.

Reference or explanatory condition: use for interpretation; this row is not a newly invented pass threshold.

1.2(b) | Source p. 9

The standard is technology-neutral. An unlisted material, energy source, computing paradigm, production method or autonomous capability shall be included in applicability and hazard analysis when its effects fall within scope. A technology not named in this edition is not exempt from assurance.

Conformity-object register; product and service families; process and personnel scope; external-provider map; selected route and technical profile.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

1.2(c) | Source p. 9

The conformity object shall be selected explicitly using Annex AA. Organizational conformity, product conformity, service conformity, process qualification, personnel certification, employer task authorization, supplier qualification and assessment-body competence are distinct conclusions. Evidence may be reused when its relevance and validity are established, but no conclusion automatically grants another.

Conformity-object register; product and service families; process and personnel scope; external-provider map; selected route and technical profile.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

1.3 — Scope statement and mandatory applicability decision

1.3(a) | Source p. 9

An organization shall maintain a controlled scope identifying legal entities, sites, remote functions, products, services, processes, lifecycle responsibilities and exclusions. It shall complete Annex A before claiming conformity. Shared services and outsourced activities shall be included where responsibility remains with the organization.

Approved scope; object-route selection; Annex A matrix; exclusions with evidence; interface owners; review triggers and scope-change history.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

1.3(b) The organizational route applies Clauses 1–10 and 22, with the relevant technical modules in Clauses 11–21 and object or provider controls in Clauses 23–28. A requirement may be excluded only where the activity and associated responsibility are genuinely absent and the exclusion cannot impair an assured outcome. Outsourcing, a small workforce or an existing certificate does not by itself justify exclusion.

Reference or explanatory condition: use for interpretation; this row is not a newly invented pass threshold.

1.3(c) | Source p. 9

For a product, service, process, person, supplier or assessment-provider route, Annex AA identifies the applicable evaluation boundary. A personnel applicant shall demonstrate the defined role competences, not ownership of a corporate management system. The body operating that route shall nevertheless fulfill its own governance, impartiality and evidence obligations.

Approved scope; object-route selection; Annex A matrix; exclusions with evidence; interface owners; review triggers and scope-change history.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

1.3(d) | Source p. 9

Where product design responsibility is absent, supplied design data, manufacturing-process design, technical changes and error escalation shall remain controlled. Where only distribution occurs, authenticity, preservation, traceability and customer flow-down remain required. Incompatible obligations shall be escalated and the dependent work held until resolved.

Approved scope; object-route selection; Annex A matrix; exclusions with evidence; interface owners; review triggers and scope-change history.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

1.4 — Boundaries of conformity and authorization

1.4(a) | Source p. 10

Conformity to this standard shall not be represented as a type certificate, airworthiness approval, launch license, defense authorization, vehicle homologation, marine class approval or statutory plant approval. Mandatory authorizations and program-specific technical requirements remain applicable. A product claim requires an evaluated product scope; an organizational certificate alone does not approve every output.

Accurate claims and certificate scope; actual authorizations; mark permissions; separation of technical and statutory approvals.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

1.4(b) Membership, sponsorship, committee participation, awards and training attendance do not establish conformity. AF marks and AF-authorized scheme operation require actual written authorization. Annexes AA–AJ define this standard’s assessment rules; their publication does not automatically authorize a body, accredit a laboratory or certify an applicant.

Reference or explanatory condition: use for interpretation; this row is not a newly invented pass threshold.

1.4(c) | Source p. 10

The designation AF 9100:2026 identifies an independent AF publication. Use of that identifier shall not imply adoption, sponsorship or recognition by another publisher, regional standards system or public authority.

Accurate claims and certificate scope; actual authorizations; mark permissions; separation of technical and statutory approvals.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

1.5 — System boundaries and hazardous domains

1.5(a) | Source p. 10

The organization shall identify interactions among product safety, occupational safety, environmental protection, security, cybersecurity and mission effectiveness. Responsibilities shall cover both intended use and reasonably foreseeable misuse or abnormal conditions. Approval of one discipline shall not be interpreted as approval of the others.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

1.5(b) | Source p. 10

For controlled defense technology, energetic materials, radiological sources or other restricted activities, this standard specifies governance and assurance responsibilities only. Detailed operating procedures, design criteria, access controls and approvals shall be established by appropriately authorized specialists under applicable obligations. No clause provides instructions for weapon construction or employment.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

2.1 — Self-contained AF requirement basis

2.1(a) | Source p. 10

An AF 9100:2026 conformity decision shall evaluate all applicable requirements of this edition, including the triggered normative annexes and the approved object-specific application profile. A summary, checklist or training presentation shall not replace the complete applicable requirement set.

Controlled edition; applicable-requirement register; application profile; evidence mapping.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

2.1(b) | Source p. 10

The responsible organization or scheme operator shall provide controlled access to this edition at the point of use. AF clauses shall not be represented as identical to an unevaluated external scheme. Compliance evidence shall be traced to the actual AF requirement and the actual evaluated object.

Controlled edition; applicable-requirement register; application profile; evidence mapping.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

2.2 — Controlled program and application profile

2.2(a) | Source p. 10

Before evaluation or acceptance, the responsible technical authority shall approve an application profile defining the object, configuration, intended use, operational domain, applicable obligations, measurable criteria, verification methods, uncertainty treatment, sampling rationale and release limits. The profile shall be detailed enough for different competent evaluators to reach comparable conclusions.

Approved application profile; technical rationale; criteria and methods; obligation register; change controls.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

2.2(b) | Source p. 10

Product tolerances, loads, environmental qualification levels, service performance limits and role-specific practical tasks shall be derived from the actual application. This standard does not invent one engineering limit for unrelated aircraft, spacecraft, vehicles, ships, plant or occupations. Absence of an adequate profile shall block a claim requiring that profile.

Approved application profile; technical rationale; criteria and methods; obligation register; change controls.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

2.2(c) | Source p. 10

A controlled obligation register shall identify binding law, customer commitments, approved technical data, test procedures and authority decisions with their applicable editions, owners and change triggers. Such inputs may be legally or contractually necessary without becoming external normative references in this AF publication.

Approved application profile; technical rationale; criteria and methods; obligation register; change controls.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

2.3 — Precedence and conflict resolution

2.3(a) | Source p. 10

Applicable law and competent-authority conditions shall not be waived by AF permission, customer agreement, risk acceptance or internal concession. Compatible binding requirements shall all be fulfilled. Where obligations cannot jointly be met, affected work and claims shall be held until a documented lawful resolution is approved by the responsible technical and contractual authorities.

Conflict register; affected scope; technical and contractual resolution; controlled amendments to working instructions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

2.3(b) | Source p. 10

The standard’s requirements and triggered annexes shall be read together. Annex AD governs assessment decision rules; Annex AG governs scheme time limits; Annex AB governs assessor competence; Annex AE governs personnel assessment; Annex Y governs publication control. These rules cannot weaken safety, technical acceptance or legal obligations elsewhere in the standard.

Conflict register; affected scope; technical and contractual resolution; controlled amendments to working instructions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

2.3(c) | Source p. 10

An internal procedure, purchasing instruction, automated workflow or contract profile shall not remove an applicable AF requirement. More demanding program requirements may be added. A conflict shall be recorded, not resolved by silently selecting the less demanding provision.

Conflict register; affected scope; technical and contractual resolution; controlled amendments to working instructions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

2.4 — Normative annexes and evidence conventions

2.4(a) The status stated at each annex heading controls its use. Normative annexes impose requirements when triggered by activity or assessment route. Annex N has separately identified normative and informative portions. Other informative annexes explain methods and examples but do not create universal acceptance thresholds.

Reference or explanatory condition: use for interpretation; this row is not a newly invented pass threshold.

2.4(b) | Source p. 11

Equivalent record formats are permitted where every required field, relationship, approval and integrity control is retained. “Not applicable”, “accepted risk” and “covered by supplier” are not evidence without a justified applicability or decision record. Synthetic example values shall never be copied into a real record as actual observations.

Annex applicability; complete evidence fields; evaluated conditions; justified non-applicability.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

2.4(c) | Source p. 11

A compound requirement shall be assessed against every applicable condition. Checklist compression shall not remove conditions. A requirement is not satisfied merely because a document exists: appropriate implementation and outcome evidence are also required.

Annex applicability; complete evidence fields; evaluated conditions; justified non-applicability.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

2.5 — Edition, time and change control

2.5(a) | Source p. 11

The publication identifier is AF 9100:2026; the edition is First Edition; the publication date is 29 September 2026. Amendments shall be uniquely identified and controlled under Annex Y. An edition designation does not attest that a particular organization, product or person has passed assessment.

Edition and amendment register; adoption record; actual decision dates and status history.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

2.5(b) | Source p. 11

Scheme time limits shall be interpreted under Annex AG. Adoption dates in contracts, transition dates in future amendments and effective dates of individual authorizations shall be recorded separately. No date shall be backdated to hide a gap in conformity status.

Edition and amendment register; adoption record; actual decision dates and status history.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

2.6 — Engineering judgment and reproducible decisions

2.6(a) | Source p. 11

Where a requirement calls for proportionate controls, the organization shall record the consequence, uncertainty, selected method and technical rationale supporting that judgment. Competent discretion shall not be used to waive a defined minimum, omit an essential control or approve inaccessible evidence.

Technical judgments; verified computations; assumptions and limitations; independent review when required.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

2.6(b) | Source p. 11

Calculations used for acceptance shall have verified inputs, compatible units, controlled algorithms and documented applicability assumptions. A successfully executed calculation or a digitally signed record does not by itself demonstrate a valid physical model or a true original observation.

Technical judgments; verified computations; assumptions and limitations; independent review when required.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

4.1 — Context, operating environment and emerging conditions

4.1(a) | Source p. 14

The organization shall determine internal and external conditions affecting its ability to deliver conforming and dependable outputs. The review shall include mission environments, technology maturity, human capability, infrastructure, supply dependencies, market changes, public-interest effects and applicable legal and contractual conditions. Material assumptions shall have owners and review triggers.

Context register; climate-relevance decision; assumptions; review minutes; resulting changes to objectives, hazards or controls.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

4.1(b) | Source p. 14

The organization shall explicitly assess whether climate change or climate-related disruption is relevant to product conformity, operational environments, infrastructure, supply continuity or interested-party requirements. It shall record the decision, evidence and necessary actions. The AF requirement extends this review to physical and transition effects without imposing a universal emissions target.

Context register; climate-relevance decision; assumptions; review minutes; resulting changes to objectives, hazards or controls.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

4.1(c) | Source p. 14

Context shall be reviewed at planned intervals and following a significant incident, acquisition, mission change, relocation, severe supply disruption or relevant change in obligations. A context review shall result in decisions affecting plans or controls where necessary, not only a static list of factors.

Context register; climate-relevance decision; assumptions; review minutes; resulting changes to objectives, hazards or controls.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

4.2 — Interested parties and public-interest interfaces

4.2(a) | Source p. 14

The organization shall identify parties whose requirements or exposure can affect the system's outcomes, including customers, end users, operators, workers, suppliers, authorities and persons exposed to credible product consequences. It shall determine which requirements are binding, which are adopted commitments and which are information to monitor.

Interested-party register; obligation classification; communication responsibilities; conflict resolutions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

4.2(b) | Source p. 14

Conflicting expectations shall be resolved through a documented decision process. Customer preference shall not override a binding safety or legal requirement. Community or user concerns relevant to product use shall be assessed on evidence, while access to sensitive or controlled information shall remain restricted to authorized recipients.

Interested-party register; obligation classification; communication responsibilities; conflict resolutions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

4.3 — System scope, boundaries and responsibility

4.3(a) | Source p. 14

The scope and applicability matrix shall reflect actual responsibilities at every lifecycle stage, including outsourced design, remote engineering, cloud services, off-site maintenance and customer-site work. Responsibility for an interface shall be assigned to a named role on each side; shared responsibility shall not leave an unowned decision.

Scope statement and Annex A matrix; interface agreements; new-capability review; updated external claims.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

4.3(b) | Source p. 14

Changes to scope shall undergo a documented capability and risk review before new work is accepted. The organization shall verify personnel, facilities, technical data, authorizations and assurance capacity for the changed scope. Public statements and any assessment certificate shall be updated when the controlled scope changes.

Scope statement and Annex A matrix; interface agreements; new-capability review; updated external claims.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

4.4 — Processes and their interactions

4.4(a) | Source p. 15

The organization shall establish and maintain an integrated process model showing sequence, inputs, outputs, interfaces and feedback. For every process it shall assign an owner, determine resources, define operating and acceptance criteria, identify relevant risks and opportunities, and establish measures of both process performance and outcome effectiveness.

Process architecture; process-owner definitions; operating criteria; interaction records; process metrics and improvement actions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

4.4(b) | Source p. 15

The organization shall control cross-functional handovers so that requirements, configuration, unresolved issues and acceptance responsibilities remain explicit. Process measures shall include failure and escape signals where relevant, rather than relying solely on activity counts or schedule achievement.

Process architecture; process-owner definitions; operating criteria; interaction records; process metrics and improvement actions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

4.4(c) | Source p. 15

Documented operating information shall be maintained, and evidence of execution shall be retained. The organization may use a quality manual or equivalent navigable system; the chosen form shall allow personnel and assessors to locate current requirements, responsibilities and records without reconstructing them from personal knowledge.

Process architecture; process-owner definitions; operating criteria; interaction records; process metrics and improvement actions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

4.5 — Obligation and commitment register

4.5(a) | Source p. 15

The organization shall maintain an obligation register linking each applicable external obligation to affected products, sites, processes and accountable owners. The register shall identify evidence of fulfillment and the mechanism for detecting relevant changes. Subscription to an alert service alone shall not constitute an assessment of applicability.

Controlled obligation register; change assessments; authorized evidence-access arrangements.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

4.5(b) | Source p. 15

Where access restrictions limit an assessor’s ability to view evidence, the organization shall arrange an authorized alternative that preserves competence and traceability. Restricted information shall not be replaced by an unsupported statement of compliance. Unresolved access limitations shall be identified in the assessment outcome.

Controlled obligation register; change assessments; authorized evidence-access arrangements.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

5.1 — Executive accountability and customer focus

5.1(a) | Source p. 15

Top management shall be accountable for system effectiveness and shall integrate quality, safety, reliability and delivery obligations into business decisions. It shall provide resources, resolve cross-functional conflicts and require evidence that commitments can be fulfilled before they are accepted.

Executive reviews; resource decisions; commitment reviews; balanced performance measures and escalations.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

5.1(b) | Source p. 15

Top management shall ensure that customer and end-user needs, applicable obligations and foreseeable consequences are understood. Product conformity, on-time delivery, complaints, repeat escapes and effectiveness of corrective action shall be reviewed together. Delivery recovery shall not be achieved by concealing defects or bypassing release controls.

Executive reviews; resource decisions; commitment reviews; balanced performance measures and escalations.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

5.2 — Policy and measurable commitments

5.2(a) | Source p. 15

The organization shall establish an approved quality and assurance policy appropriate to its scope and risks. The policy shall commit to fulfillment of applicable requirements, accurate evidence, ethical behavior, reporting of concerns and continual improvement. It shall provide a practical basis for objectives and decisions.

Approved policy; communication records; observed application; linked objectives.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

5.2(b) | Source p. 15

The policy shall be communicated in language and forms understood by personnel and relevant external providers. Understanding shall be evaluated through observed decisions and interviews rather than a signature alone. The current policy shall be available to relevant interested parties subject to legitimate information controls.

Approved policy; communication records; observed application; linked objectives.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

5.3 — Roles, management representative and independence

5.3(a) | Source p. 15

Top management shall appoint a management representative with authority to coordinate the system, report performance and escalate unresolved quality or assurance issues directly to the accountable executive. Technical authorities for design, safety, production, software, cybersecurity and release shall be identified according to the organization’s activities.

Authority matrix; management-representative appointment; independence arrangements; delegation register.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

5.3(b) | Source p. 15

Personnel responsible for independent review or release shall have the competence, access and freedom necessary to challenge the work. For the criticality categories in Annex B, independence shall be demonstrated by the reporting or decision arrangement, not merely by a different job title. Conflicts of interest shall be recorded and managed.

Authority matrix; management-representative appointment; independence arrangements; delegation register.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

5.3(c) | Source p. 15

Delegation shall specify scope, limitations, competence, duration and supervision. A delegated supplier or automated workflow shall not acquire authority beyond the documented delegation. The delegating organization shall monitor performance and retain the ability to suspend the delegation.

Authority matrix; management-representative appointment; independence arrangements; delegation register.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

5.4 — Ethical behavior and quality culture

5.4(a) | Source p. 16

The organization shall establish behavioral expectations prohibiting falsification of test results, concealed rework, unauthorized substitutions, misleading claims and retaliation for good-faith reporting. Management incentives and production targets shall be reviewed for pressures that could undermine these expectations.

Behavior code; reporting channels; investigation records; incentive review; culture evaluation and actions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

5.4(b) | Source p. 16

Personnel shall have accessible channels to raise concerns, including escalation outside the immediate production chain when necessary. The organization shall protect reporters within applicable requirements, investigate concerns impartially and communicate outcomes appropriately. An increase in reported concerns shall not automatically be interpreted as deteriorating culture.

Behavior code; reporting channels; investigation records; incentive review; culture evaluation and actions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

5.4(c) | Source p. 16

Culture shall be evaluated using more than a survey score. The organization shall examine response to bad news, willingness to stop work, closure quality, recurrence, supplier treatment and management follow-through.

Behavior code; reporting channels; investigation records; incentive review; culture evaluation and actions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

5.5 — Stop-work and release protection

5.5(a) | Source p. 16

Every person performing work affecting conformity shall know how to stop or hold an unsafe or potentially nonconforming activity. Defined hold conditions shall include loss of configuration identity, unverified critical characteristics, suspect counterfeit material, compromised evidence and operation outside an approved safety envelope.

Stop-work instruction; hold records; restart criteria and authorized decisions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

5.5(b) | Source p. 16

Restart or release shall require an authorized assessment of cause, extent, implemented controls and remaining obligations. Commercial management shall not override a technical hold without the required technical and, where applicable, customer or authority approval. The decision and evidence shall remain traceable.

Stop-work instruction; hold records; restart criteria and authorized decisions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

5.6 — Governance of claims and external relationships

5.6(a) | Source p. 16

The organization shall ensure that proposals, declarations, product literature, environmental claims and statements about certification or AF recognition are accurate, bounded and supported. A management-system assessment shall not be used as evidence of a product capability that was not evaluated.

Claim-approval process; supporting evidence; conflict disclosures; correction records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

5.6(b) | Source p. 16

Potential conflicts arising from investment, consultancy, training, supplier ownership or commercial sponsorship shall be disclosed to relevant decision makers. Any conformity decision shall remain independent of payments or membership status. Public corrections shall be made when a materially misleading claim is identified.

Claim-approval process; supporting evidence; conflict disclosures; correction records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

6.1 — Risk planning and acceptance

6.1(a) | Source p. 16

The organization shall identify adverse uncertainties that can affect conformity, safety, mission outcomes, integrity of evidence or continuity of supply. The method shall address organizational and operational risks, interfaces, common-cause effects and credible combinations of failures. Risk ownership and acceptance authority shall be explicit.

Risk register; hazard analyses; acceptance criteria; control verification; residual-risk decisions and triggers.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

6.1(b) | Source p. 16

Risk evaluations shall identify consequence, likelihood basis, exposure, existing controls and uncertainty. Ordinal categories shall not be treated as precise probabilities. A high-severity hazard shall not be accepted solely because an unsubstantiated likelihood estimate or a multiplied score is low.

Risk register; hazard analyses; acceptance criteria; control verification; residual-risk decisions and triggers.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

6.1(c) | Source p. 16

Controls shall be selected, implemented and verified; residual risk shall then be assessed against approved criteria. Decisions shall specify assumptions, limitations, monitoring and review triggers. Unresolved binding requirements and unacceptable residual risks shall prevent the relevant release or lifecycle transition.

Risk register; hazard analyses; acceptance criteria; control verification; residual-risk decisions and triggers.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

6.2 — Opportunity planning as a distinct activity

6.2(a) | Source p. 16

The organization shall identify and evaluate opportunities for improved capability, customer value, reliability, resilience, resource efficiency and knowledge. Each selected opportunity shall have a benefit hypothesis, feasibility assessment, resources, accountable owner, implementation milestones and a method for evaluating achieved benefit.

Opportunity register; selected initiatives; benefit evaluations; associated risk assessments.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

6.2(b) | Source p. 16

Opportunity decisions shall be recorded separately from adverse-risk acceptance. An opportunity may generate new risks, which shall be evaluated through the risk process. The expected benefit of innovation shall not cancel a nonconformity or justify bypassing qualification.

Opportunity register; selected initiatives; benefit evaluations; associated risk assessments.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

6.3 — Objectives and execution plans

6.3(a) | Source p. 17

Measurable objectives shall be established at relevant organizational, process and program levels. Each objective shall identify the outcome, baseline, measure definition, target rationale, owner, resources, due date and evaluation frequency. Safety and quality objectives shall include leading and lagging indicators where useful.

Objective plans; metric definitions; baseline data; progress reviews and decisions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

6.3(b) | Source p. 17

Denominators, exclusions and data sources shall be defined before reporting. Targets shall not encourage concealment, selective deletion, denominator changes or shipment before completion of acceptance. Failure to meet an objective shall trigger analysis and appropriate action, not retroactive redefinition without disclosure.

Objective plans; metric definitions; baseline data; progress reviews and decisions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

6.4 — Management-system and operational changes

6.4(a) | Source p. 17

Changes shall be planned with a stated purpose, affected requirements, risks, resources, competence needs, interfaces, implementation method and acceptance criteria. The organization shall identify the approved baseline, the proposed baseline and the evidence needed to authorize transition.

Change requests; impact assessments; approvals; training; implementation and post-change verification.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

6.4(b) | Source p. 17

The change process shall cover organizational restructuring, relocation, outsourcing, supplier changes, digital-platform replacement, model updates, process-parameter changes and emergency changes. Temporary changes shall have explicit expiry or restoration criteria. Unintended changes shall be assessed and contained promptly.

Change requests; impact assessments; approvals; training; implementation and post-change verification.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

6.5 — Resilience and continuity planning

6.5(a) | Source p. 17

The organization shall identify critical dependencies such as energy, utilities, specialist personnel, sole-source materials, digital services, test infrastructure and transport. It shall assess credible disruptions, time to recover and the ability to continue meeting quality and safety obligations during degraded operation.

Business-impact analysis; continuity plans; exercise results; approved recovery and restart evidence.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

6.5(b) | Source p. 17

Continuity plans shall define recovery priorities, alternative sources, data restoration, communication and restart qualification. Exercises shall include loss of a critical supplier and compromise of technical records where relevant. Emergency capacity shall not be assumed capable until its configuration, competence and process controls are demonstrated.

Business-impact analysis; continuity plans; exercise results; approved recovery and restart evidence.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

6.6 — Technology maturity and future readiness

6.6(a) | Source p. 17

The organization shall evaluate new technology against the actual intended environment and integration context. Readiness claims shall identify demonstrated functions, scale, duration, interfaces, limitations and unresolved gaps. A laboratory demonstration shall not automatically establish production, operational or mission readiness.

Technology evidence dossier; experiment approvals; readiness gap list; transition-gate decisions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

6.6(b) | Source p. 17

Programs involving AI, advanced autonomy, in-space manufacturing, new propulsion, quantum technologies or other emerging capabilities shall establish bounded experiments and explicit transition gates. Monitoring shall include new failure mechanisms and foreseeable misuse. Changes to assumptions shall reopen the relevant assurance decisions.

Technology evidence dossier; experiment approvals; readiness gap list; transition-gate decisions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.1 — Resource and capacity assurance

7.1(a) | Source p. 17

The organization shall determine and provide resources necessary for planned work and credible contingencies. Capacity reviews shall consider competent personnel, equipment availability, maintenance, inspection, independent review, supplier capacity and expected rework. Inspection capacity shall not be assumed unlimited when production volume increases.

Capacity reviews; staffing and equipment plans; constraint decisions; lifecycle-support commitments.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.1(b) | Source p. 17

Before accepting accelerated schedules or significant volume changes, the organization shall verify that resources and controls remain adequate. Unfunded assurance activities shall be escalated rather than silently removed. Resource plans shall include lifecycle support and retention of necessary technical knowledge.

Capacity reviews; staffing and equipment plans; constraint decisions; lifecycle-support commitments.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.2 — Competence, qualification and authorization

7.2(a) | Source p. 17

Competence requirements shall be defined for roles affecting conformity and assurance, including temporary staff, contractors, reviewers, programmers, inspectors and release personnel. Competence shall be evaluated through suitable education, experience, supervised practice, demonstration or examination appropriate to the task.

Role competence criteria; assessments; qualifications; task-authorization register; reassessment records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.2(b) | Source p. 17

Where a license or formal qualification is required, validity and scope shall be verified. Authorization shall identify the specific task, product or process and any limitations. Training attendance alone shall not establish competence. Reassessment shall follow significant technology change, extended inactivity or evidence of deficient performance.

Role competence criteria; assessments; qualifications; task-authorization register; reassessment records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.2(c) | Source p. 17

Auditor and assessment-role competence shall meet Annex AB where those functions are performed. Personnel certification shall follow Clause 26 and Annex AE; employer task authorization shall remain specific to actual work. Contractors and temporary personnel shall meet the same relevant competence and authorization controls as employees.

Role competence criteria; assessments; qualifications; task-authorization register; reassessment records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.3 — Awareness and human-performance conditions

7.3(a) | Source p. 18

Personnel shall understand relevant policies, objectives, current instructions, their contribution to product safety and mission outcomes, ethical expectations and the consequences of nonconforming work. Communication shall be adapted to language, literacy, shift patterns and remote working.

Awareness evaluation; human-factor assessments; shift handover and error-prevention controls.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.3(b) | Source p. 18

The organization shall identify work conditions that increase error, including fatigue, interruption, confusing interfaces, inaccessible tools, time pressure and poor handovers. Controls shall address the system conditions as well as individual skill. Investigations shall not use “operator error” as a sufficient root-cause conclusion.

Awareness evaluation; human-factor assessments; shift handover and error-prevention controls.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.4 — Infrastructure, utilities and facility integrity

7.4(a) | Source p. 18

Facilities, utilities, equipment, communication systems and supporting software shall be suitable for intended operations and maintained. Critical infrastructure shall have defined operating limits, inspection or maintenance requirements, condition monitoring and contingency arrangements.

Infrastructure register; maintenance and commissioning records; utility limits; facility change reviews.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.4(b) | Source p. 18

Changes to foundations, equipment layout, utilities, environmental controls or network connections shall undergo impact review. Commissioning shall verify configuration and protective functions before production or service use. Where facility condition can influence measurement or process output, the condition shall be recorded or monitored.

Infrastructure register; maintenance and commissioning records; utility limits; facility change reviews.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.5 — Work environment, cleanliness and contamination

7.5(a) | Source p. 18

The organization shall define necessary environmental conditions for work, storage, inspection and testing. Controls shall address relevant temperature, humidity, vibration, lighting, electromagnetic disturbance, cleanliness, electrostatic discharge, contamination and biological or chemical exposure.

Environmental specifications; monitoring logs; excursion investigations; cleanliness verification.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.5(b) | Source p. 18

Clean zones, sensitive assemblies and contamination-critical processes shall have controlled entry, materials, cleaning methods and verification. Excursions shall trigger an assessment of exposed products and evidence, including material already transferred downstream. Restoration of room conditions alone shall not close the product-impact assessment.

Environmental specifications; monitoring logs; excursion investigations; cleanliness verification.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.6 — Measuring equipment and metrological traceability

7.6(a) | Source p. 18

Measurement systems used to demonstrate conformity shall be suitable for the measurand, range, environment and decision risk. The organization shall maintain a register containing equipment identity, location, owner, range, calibration or verification method, interval, status and acceptance criteria.

Equipment register; calibration chain; recall system; uncertainty suitability; impact and disposition records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.6(b) | Source p. 18

Where traceability is required or necessary for confidence, calibration shall be linked through a documented chain to appropriate measurement references. Where an established reference does not exist, the technical basis of verification shall be documented. Equipment shall be protected from unauthorized adjustment and damage.

Equipment register; calibration chain; recall system; uncertainty suitability; impact and disposition records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.6(c) | Source p. 18

Out-of-tolerance, damaged, overdue or otherwise unsuitable equipment shall be removed or restricted from use. The organization shall assess the validity of prior results and trace affected outputs. An equipment recalibration certificate shall not, by itself, resolve the product disposition.

Equipment register; calibration chain; recall system; uncertainty suitability; impact and disposition records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.7 — Measurement methods, uncertainty and decision rules

7.7(a) | Source p. 18

Test and inspection methods shall be validated or verified as appropriate for their intended use. The organization shall establish an uncertainty model and decision rule where measurement uncertainty can affect conformity. Personnel shall understand the distinction between specification limits, instrument resolution, uncertainty and process-control limits.

Method-validation records; uncertainty budgets; decision rules; automated inspection challenge results.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.7(b) | Source p. 18

Automated inspection, machine vision and in-process probing shall be evaluated against representative defects, surfaces, geometries and environmental conditions. False acceptance and false rejection shall be considered. Revalidation shall follow material changes to optics, algorithms, fixtures, software or decision thresholds.

Method-validation records; uncertainty budgets; decision rules; automated inspection challenge results.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.7(c) | Source p. 18

Annex AD shall govern conformity decisions relying on measurement uncertainty. The informative examples in Annex H shall not be used to select favorable acceptance criteria after results become known. The decision rule and treatment of an indeterminate result shall be fixed before evaluation.

Method-validation records; uncertainty budgets; decision rules; automated inspection challenge results.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.8 — Organizational knowledge and technical continuity

7.8(a) | Source p. 19

The organization shall identify knowledge necessary for current and future obligations, including tacit process knowledge, field experience, design rationale and failure mechanisms. It shall preserve critical knowledge when personnel retire, suppliers exit or technology changes.

Knowledge map; succession and transfer records; lessons database; reuse applicability reviews.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.8(b) | Source p. 19

Lessons learned shall be indexed so that relevant programs can retrieve and evaluate them. Reuse of a lesson or legacy design shall include an applicability check; similarities in name or appearance shall not establish equivalence of mission, materials or environment.

Knowledge map; succession and transfer records; lessons database; reuse applicability reviews.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.9 — Communication and controlled information exchange

7.9(a) | Source p. 19

The organization shall define what information is communicated, by whom, to whom, when and through which controlled channels. Urgent information affecting released products shall have an escalation path and acknowledgement mechanism. Supplier and customer changes shall reach the functions that use the affected data.

Communication matrix; notification and acknowledgement logs; approved information-sharing arrangements.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.9(b) | Source p. 19

Sensitive, proprietary, personal or controlled technical information shall be shared only through authorized arrangements. Meeting attendance or federation membership shall not itself grant access. Communication restrictions shall be reconciled with required hazard and conformity reporting through an approved process.

Communication matrix; notification and acknowledgement logs; approved information-sharing arrangements.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.10 — Document creation, approval and distribution

7.10(a) | Source p. 19

Documented information shall have a unique identity, title, revision, owner, approval status and effective date as appropriate. Review shall verify technical accuracy, clarity, consistency and suitability before issue. Instructions shall distinguish mandatory steps, hold points, permitted alternatives and acceptance criteria.

Document master list; approval workflow; distribution controls; point-of-use verification.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.10(b) | Source p. 19

Current information shall be available at the point of use. Obsolete versions shall be removed from unintended use or clearly restricted for historical purposes. Personal copies, local spreadsheets and cached digital files shall be controlled when they influence conformity decisions.

Document master list; approval workflow; distribution controls; point-of-use verification.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.11 — Record integrity, retention and long-life readability

7.11(a) | Source p. 19

Records shall preserve the identity of the subject, performer, reviewer and applicable configuration, together with time, results, units and disposition. Changes to recorded evidence shall retain the original value, reason, author and approval where relevant. Electronic signatures and acceptance media shall be individual, protected and revocable.

Retention schedule; signature controls; audit trails; migration and restore tests; authorized disposal records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.11(b) | Source p. 19

Retention periods shall consider law, contract, product life, latent defects, liability, material traceability and long- duration missions. No universal short retention period is prescribed. Digital preservation shall address format obsolescence, cryptographic validity, migration verification, backup, recovery and readable access after supplier or platform failure.

Retention schedule; signature controls; audit trails; migration and restore tests; authorized disposal records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.11(c) | Source p. 19

The organization shall test retrieval of selected legacy and current records, including restoration from backup. Destruction shall be authorized, recorded and suspended when subject to a relevant investigation, claim or preservation obligation.

Retention schedule; signature controls; audit trails; migration and restore tests; authorized disposal records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.12 — Technical software, spreadsheets and decision tools

7.12(a) | Source p. 19

Software, scripts, spreadsheets and computational tools that influence design, inspection, acceptance or assurance decisions shall be identified and controlled. Validation shall be proportionate to the consequence of an undetected error and shall include known-answer tests, boundary conditions, unit consistency and independent review where required.

Tool inventory; validation plan and known-answer tests; version records; review and revalidation triggers.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

7.12(b) | Source p. 19

Inputs, algorithms, dependencies, versions and output interpretation shall be documented. Formula cells and approved parameters shall be protected where appropriate. An AI-generated calculation or report shall undergo competent review; fluent language or successful execution shall not constitute verification of technical correctness.

Tool inventory; validation plan and known-answer tests; version records; review and revalidation triggers.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.1 — Integrated operational planning

8.1(a) | Source p. 20

The organization shall translate requirements into an executable program or order plan covering responsibilities, resources, lifecycle stages, work packages, suppliers, verification, validation, acceptance and delivery. Planning shall address producibility, inspectability, reliability, maintainability, safety, software, obsolescence, preservation and end-of-life obligations as relevant.

Program assurance plan; work packages; control plans; integrated schedule; baseline consistency review.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.1(b) | Source p. 20

Critical items, key characteristics and special requirements shall be identified early and connected to control plans. The plan shall identify required evidence and hold points before the affected work begins. Changes in schedule or resources shall trigger a review of the continuing adequacy of the plan.

Program assurance plan; work packages; control plans; integrated schedule; baseline consistency review.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.1(c) | Source p. 20

The organization shall verify consistency among the contract, technical baseline, purchasing requirements, manufacturing or service instructions and acceptance plan. A discrepancy shall be resolved before the affected activity proceeds. Work shall not be released merely because each department has approved a different interpretation.

Program assurance plan; work packages; control plans; integrated schedule; baseline consistency review.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.1.1 — Operational risk management

8.1.1(a) | Source p. 20

For each program, order or family of work, the organization shall identify operational risks to requirements, delivery and lifecycle outcomes. The assessment shall cover new technology, difficult characteristics, supplier capability, work transfers, maintenance constraints and changes in the intended environment.

Program risk register; mitigation verification; residual-risk acceptance; changes based on new evidence.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.1.1(b) | Source p. 20

The organization shall establish risk criteria, ownership, mitigation actions and residual-risk approval before the relevant gate. Risk records shall be updated when test evidence, nonconformities or field experience change the likelihood or consequence basis. A closed mitigation action shall be distinguished from demonstrated risk reduction.

Program risk register; mitigation verification; residual-risk acceptance; changes based on new evidence.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.1.2 — Configuration management

8.1.2(a) | Source p. 20

The organization shall establish configuration identification, baseline control, change control, status accounting and configuration verification across hardware, software, models, manufacturing data and service information. The configuration structure shall identify relevant interfaces and distinguish as-designed, as-planned, as-built, as-tested, as-delivered and as-maintained states.

Configuration plan; item hierarchy; baselines; change board decisions; status accounting; configuration audits.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.1.2(b) | Source p. 20

Changes shall be assessed for effects on fit, form, function, safety, interchangeability, qualification, maintenance, cybersecurity, traceability and customer obligations. The affected population and implementation point shall be identifiable. Mixed configurations shall be prevented unless their compatibility is specifically justified.

Configuration plan; item hierarchy; baselines; change board decisions; status accounting; configuration audits.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.1.2(c) | Source p. 20

Configuration audits shall reconcile physical and digital evidence against approved baselines. Unauthorized substitutions or unexplained version differences shall be treated as nonconformities. A digital twin or model of record shall not conceal a discrepancy in the physical item.

Configuration plan; item hierarchy; baselines; change board decisions; status accounting; configuration audits.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.1.3 — Product safety and mission-critical controls

8.1.3(a) | Source p. 20

The organization shall identify product and service hazards throughout the lifecycle, including interfaces, foreseeable misuse, maintenance, transport, abnormal modes and retirement. Safety responsibilities shall extend to suppliers and field support within the organization’s scope.

Hazard log; safety-control traceability; independent reviews; safety communications; in-service event assessments.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.1.3(b) | Source p. 20

Safety-critical items and functions shall have explicit controls, acceptance criteria, independent review and traceability to hazard mitigations. Changes, concessions and nonconformities affecting these controls shall receive safety impact assessment before disposition. A generic quality approval shall not substitute for the required safety decision.

Hazard log; safety-control traceability; independent reviews; safety communications; in-service event assessments.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.1.3(c) | Source p. 20

The organization shall provide relevant safety information to users, maintainers and downstream organizations, monitor safety-related events and support timely corrective action. Safety concerns shall be escalated even when the contractual acceptance criteria appear to have been met.

Hazard log; safety-control traceability; independent reviews; safety communications; in-service event assessments.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.1.4 — Counterfeit and unapproved-item prevention

8.1.4(a) | Source p. 21

The organization shall assess counterfeit and unapproved-item risk for materials, parts, electronic components, software licenses, calibration records and certificates. Procurement preference, source approval, authenticity checks and testing shall be proportionate to consequence and supply risk.

Authenticity-risk assessment; approved sources; incoming verification; suspect-item records and disposition.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.1.4(b) | Source p. 21

Source identity, authorized-channel evidence, original manufacturer information and chain of custody shall be verified where relevant. A certificate alone shall not be accepted without evaluation of its origin, scope, consistency and credibility. Brokers and obsolete components shall receive additional controls when risks justify them.

Authenticity-risk assessment; approved sources; incoming verification; suspect-item records and disposition.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.1.4(c) | Source p. 21

Suspect items shall be segregated and positively controlled to prevent use or re-entry into the supply chain. Investigation, notification, preservation of evidence and disposition shall follow applicable obligations. Returning suspect material to the supplier without controls shall not be the default disposition.

Authenticity-risk assessment; approved sources; incoming verification; suspect-item records and disposition.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.1.5 — Temporary and permanent work transfer

8.1.5(a) | Source p. 21

The organization shall plan transfer of work between sites, suppliers, equipment, production lines or service locations. The transfer plan shall identify baseline data, process capability, competence, tooling, environmental conditions, technical support, traceability and delivery-continuity risks.

Transfer plan; receiving-site readiness; qualification evidence; initial-output monitoring and closure.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.1.5(b) | Source p. 21

Transferred work shall undergo appropriate first article, process requalification or service-capability verification before unrestricted release. The receiving source shall demonstrate actual capability; the sending source's records alone shall not establish equivalence. Early production shall be monitored against defined exit criteria.

Transfer plan; receiving-site readiness; qualification evidence; initial-output monitoring and closure.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.2 — Requirements for products and services

8.2(a) | Source p. 21

The organization shall control customer communication, requirement definition, commitment review and changes through the complete sequence in 8.2.1–8.2.4. The approved requirements shall remain traceable to the product, service, process, performer and acceptance decision they affect.

Requirement lifecycle; agreed baseline; review and change records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.2.1 — Customer and user communication

8.2.1(a) | Source p. 21

The organization shall establish channels for enquiries, proposals, orders, changes, technical questions, complaints, customer property and contingency communication. Information supplied to customers shall accurately state capabilities, limitations, dependencies and required user actions.

Communication arrangements; technical clarifications; complaints; user-information distribution.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.2.1(b) | Source p. 21

Safety, service-life and configuration information shall reach the intended operator or maintainer, not only the purchasing contact where this would be insufficient. Relevant feedback shall be reviewed and connected to engineering, supplier and process decisions.

Communication arrangements; technical clarifications; complaints; user-information distribution.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.2.2 — Requirement determination and completeness

8.2.2(a) | Source p. 21

Before committing to an output, the organization shall identify customer requirements, applicable obligations and requirements necessary for the intended use when known. The assessment shall cover performance, interfaces, environment, reliability, safety, cybersecurity, maintenance, delivery, documentation and retirement.

Requirements register; assumptions; applicable obligations; acceptance definitions; identified special requirements.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.2.2(b) | Source p. 21

Special requirements and assumptions shall be visible. Claims in quotations, marketing materials or demonstrations that become commitments shall be included in the review. Requirements shall be unambiguous and verifiable, with measurable acceptance criteria or an approved qualitative evaluation method.

Requirements register; assumptions; applicable obligations; acceptance definitions; identified special requirements.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.2.3 — Contract and commitment review

8.2.3(a) | Source p. 21

The organization shall review its ability to fulfill requirements before accepting a contract or order, including repeat orders when relevant conditions have changed. The review shall involve affected technical, quality, production, supply, service and commercial functions.

Multifunctional contract review; feasibility evidence; resolutions; approved deviations from the proposed offer.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.2.3(b) | Source p. 21

Differences from prior proposals or agreements shall be resolved. Missing written requirements shall be confirmed through an appropriate controlled record. Where requirements cannot be fully met, the organization shall obtain an authorized revised agreement before commitment; it shall not rely on later concessions.

Multifunctional contract review; feasibility evidence; resolutions; approved deviations from the proposed offer.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.2.3(c) | Source p. 21

Review shall include liability boundaries, data rights, access restrictions, support duration, source dependencies and customer approval points. Unresolved safety or legal obligations shall prevent acceptance of the affected commitment.

Multifunctional contract review; feasibility evidence; resolutions; approved deviations from the proposed offer.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.2.4 — Changes to requirements

8.2.4(a) | Source p. 22

Changes shall be uniquely identified, reviewed, approved and communicated to all affected functions and external providers. The organization shall evaluate impacts on completed work, purchased material, qualification evidence, delivered products, software compatibility and maintenance information.

Requirement-change record; impact analysis; baseline update; implementation and acknowledgement evidence.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.2.4(b) | Source p. 22

The change implementation point shall be controlled. Obsolete requirements shall be removed from unintended use, and affected verification shall be repeated where necessary. The organization shall confirm that downstream recipients have incorporated changes requiring their action.

Requirement-change record; impact analysis; baseline update; implementation and acknowledgement evidence.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.3 — Design and development

8.3(a) | Source p. 22

The organization shall apply 8.3.1–8.3.6 to its actual product, service and process design responsibilities, including outsourced design for which it remains responsible. Supplied design shall be controlled and deficiencies escalated even where the organization does not own the product design.

Design scope and responsibility; controlled inputs; review, verification, validation and changes.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.3.1 — Design and development governance

8.3.1(a) | Source p. 22

The organization shall establish a design and development process appropriate to the complexity, novelty and consequence of the output. It shall define technical authority, independent review, design responsibility and interfaces with customer or externally provided design.

Design process; responsibility allocation; design-data acceptance; escalation of ambiguities.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.3.1(b) | Source p. 22

Design assurance shall include hardware, software, interfaces, manufacturing methods, operational procedures and maintenance assumptions. Build-to-print work shall still assess the adequacy and controlled use of supplied data and shall escalate defects or ambiguities to the design authority.

Design process; responsibility allocation; design-data acceptance; escalation of ambiguities.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.3.2 — Design planning and lifecycle controls

8.3.2(a) | Source p. 22

The design plan shall define stages, work breakdown, resources, reviews, verification, validation, configuration controls and transition criteria. Planning shall address ability to manufacture, inspect, integrate, test, operate, maintain, repair and retire the design.

Design plan; interface agreements; review schedule; V&V strategy; required independence.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.3.2(b) | Source p. 22

Interfaces among disciplines and organizations shall be explicitly managed. Customer and user involvement shall be planned where necessary to validate intended use. Independence and specialist competence shall be matched to criticality and uncertainty.

Design plan; interface agreements; review schedule; V&V strategy; required independence.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.3.3 — Design inputs and derived requirements

8.3.3(a) | Source p. 22

Design inputs shall identify functions, performance, constraints, operating environments, applicable obligations, lessons learned, failure consequences, materials, lifecycle limits and obsolescence risks. The organization shall review inputs for completeness, consistency and testability before baselining.

Approved input baseline; derivation rationale; assumption register; conflict resolutions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.3.3(b) | Source p. 22

Derived requirements shall have a documented technical rationale and a traceable parent need or analysis. Safety-related derived requirements shall be reviewed by the appropriate authority. Conflicts shall be resolved rather than propagated into competing design assumptions.

Approved input baseline; derivation rationale; assumption register; conflict resolutions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.3.4 — Design review, verification and validation

8.3.4(a) | Source p. 22

Reviews shall evaluate whether the design can fulfill requirements and whether evidence and unresolved issues justify progression. Verification shall demonstrate that outputs satisfy specified inputs; validation shall demonstrate suitability for intended use in a representative context. These activities shall not be treated as interchangeable.

Review records; requirements-to-evidence matrix; approved test plans; raw data; model credibility; anomaly dispositions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.3.4(b) | Source p. 22

Test plans shall identify the test item and configuration, objectives, methods, environment, equipment, uncertainty, data to retain, acceptance criteria and anomaly handling. Test readiness shall be approved before execution. Deviations from the plan shall be recorded and evaluated for their effect on validity.

Review records; requirements-to-evidence matrix; approved test plans; raw data; model credibility; anomaly dispositions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.3.4(c) | Source p. 22

Analysis and simulation used as evidence shall have a justified model, validated range, input provenance, sensitivity analysis and uncertainty treatment. Completion of design shall require evidence covering identified operating conditions and interfaces; untested or unanalyzed conditions shall be explicitly bounded or resolved.

Review records; requirements-to-evidence matrix; approved test plans; raw data; model credibility; anomaly dispositions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.3.5 — Design outputs and release

8.3.5(a) | Source p. 22

Design outputs shall define the product or service sufficiently for procurement, manufacture, integration, verification, use and support. They shall identify characteristics, interfaces, materials, software versions, critical items, key characteristics, acceptance criteria and necessary handling or maintenance information.

Released design package; critical-characteristic list; approval; downstream usability review.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.3.5(b) | Source p. 22

Outputs shall be approved by authorized technical personnel before release. Where a model is authoritative, its role, exchange format, revision and interpretation rules shall be explicit. Manufacturing and inspection shall use consistent definitions of geometry, units, coordinate systems and tolerances.

Released design package; critical-characteristic list; approval; downstream usability review.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.3.6 — Design changes and continued validity

8.3.6(a) | Source p. 23

Design changes shall be identified, reviewed, verified or validated as necessary and approved before implementation. Impact shall be assessed on interchangeability, interfaces, hazards, software, process capability, qualification, service instructions and the affected delivered population.

Change request; impact analysis; requalification decision; approvals; affected-item and implementation records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.3.6(b) | Source p. 23

The organization shall identify when customer or competent-authority approval is required. A change that appears physically small shall not be presumed low risk. Changes to materials, manufacturing routes, model training data or timing behavior shall receive a consequence-based assessment.

Change request; impact analysis; requalification decision; approvals; affected-item and implementation records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.4 — Externally provided products, processes and services

8.4(a) | Source p. 23

The organization shall apply 8.4.1–8.4.3 to selection, approval, verification and communication for external provision. Clause 27 and Annex AF additionally control actual performers, further tiers and retained responsibility. Customer nomination of a source shall not remove these obligations.

External-provider scope; approval, verification and flow-down evidence.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.4.1 — External-provider selection and approval

8.4.1(a) | Source p. 23

The organization shall evaluate, select and approve external providers according to their ability to fulfill the assigned requirements. Controls shall consider technical capability, criticality, past performance, authenticity risk, capacity, financial continuity where relevant and sub-tier dependencies.

Supplier evaluations; approval register; performance reviews; conditional approvals; sub-tier dependency map.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.4.1(b) | Source p. 23

An approved-provider register shall identify status, scope, conditions, limitations and review dates. Customer nomination or an external certificate shall not remove the organization’s responsibility to verify suitability for the actual supplied scope. Conditional approval shall have defined controls and closure criteria.

Supplier evaluations; approval register; performance reviews; conditional approvals; sub-tier dependency map.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.4.1(c) | Source p. 23

Provider performance shall be monitored using conformity, delivery, responsiveness, change discipline and corrective-action effectiveness. Approval shall be restricted, suspended or withdrawn when justified. Single-source and long-lead risks shall be addressed without relaxing required assurance.

Supplier evaluations; approval register; performance reviews; conditional approvals; sub-tier dependency map.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.4.2 — Verification of externally provided outputs

8.4.2(a) | Source p. 23

The organization shall determine verification appropriate to the output and source risk, including inspection, testing, source surveillance, document review and periodic revalidation where necessary. It shall verify that supplied evidence corresponds to the correct item, lot, revision and test method.

Incoming verification plans; report checks; delegated inspection controls; restricted-release and recall records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.4.2(b) | Source p. 23

External test reports shall be evaluated for consistency, adequacy and authenticity. For significant-risk raw material or critical items, a defined method shall validate report accuracy. Delegated supplier inspection shall have a controlled scope, qualified personnel, a delegation register and periodic oversight.

Incoming verification plans; report checks; delegated inspection controls; restricted-release and recall records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.4.2(c) | Source p. 23

Limited release for further processing before verification is complete shall be specifically authorized, uniquely traceable and recoverable. It shall not permit irreversible consumption or final customer release of an output whose required conformity evidence remains unresolved.

Incoming verification plans; report checks; delegated inspection controls; restricted-release and recall records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.4.3 — Purchasing information and flow-down

8.4.3(a) | Source p. 23

Purchasing requirements shall communicate the exact technical baseline, acceptance criteria, critical characteristics, required processes, competence, approvals, verification and evidence. Requirements shall be reviewed for adequacy before transmission and flowed down to relevant sub-tier providers.

Purchase-order clauses; technical-data issue record; sub-tier acknowledgement; flow-down verification.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.4.3(b) | Source p. 23

The organization shall specify change notification and approval requirements, nonconformity notification, disposition authority, counterfeit prevention, records retention, authorized access and required test specimens where relevant. Rights of access shall be implemented within applicable confidentiality and security restrictions, not omitted without resolution.

Purchase-order clauses; technical-data issue record; sub-tier acknowledgement; flow-down verification.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.4.3(c) | Source p. 23

Providers shall be informed of their contribution to conformity, safety and ethical conduct. The organization shall verify that important requirements reached the point of performance rather than only the first-tier purchasing office.

Purchase-order clauses; technical-data issue record; sub-tier acknowledgement; flow-down verification.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.4.3(d) | Source p. 23

Subcontracting and sub-tier flow-down shall also meet Clause 27 and Annex AF. An organization may use common contractual clauses, but it shall verify their applicability to the actual performer, including outsourced engineering, cloud services, laboratories and personnel agencies.

Purchase-order clauses; technical-data issue record; sub-tier acknowledgement; flow-down verification.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.5 — Production and service execution

8.5(a) | Source p. 24

The organization shall apply 8.5.1–8.5.6 to the controlled execution, identification, preservation, support and modification of its outputs. Special processes and first article verification shall be triggered by the actual work rather than omitted because a supplier or customer performs part of the activity.

Controlled work routes; actual execution; identity, preservation, support and change records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.5.1 — Controlled production and service execution

8.5.1(a) | Source p. 24

Production and service work shall use approved instructions, suitable equipment, competent personnel and defined environmental conditions. Instructions shall identify required characteristics, sequence, workmanship criteria, inspection points, process limits and authorized alternatives.

Controlled route or work package; process records; in-process verification; quantity reconciliation; FOD and utility controls.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.5.1(b) | Source p. 24

The organization shall maintain accountability for quantities and configuration through split lots, rework, scrap and partial completion. Critical items and key characteristics shall be controlled at points where their conformity can be established. A later inspection shall not be presumed to detect every earlier process failure.

Controlled route or work package; process records; in-process verification; quantity reconciliation; FOD and utility controls.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.5.1(c) | Source p. 24

Evidence shall show completion of required operations and acceptance activities. Utilities, consumables, tools and software affecting output shall be controlled. Error prevention, FOD prevention and identification of work awaiting verification shall be integrated into the process.

Controlled route or work package; process records; in-process verification; quantity reconciliation; FOD and utility controls.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.5.1.1 — Equipment, tooling and production software

8.5.1.1(a) | Source p. 24

Equipment, tooling, fixtures and software used to create, control, inspect or measure outputs shall be verified or validated before release for use. The assessment shall include the actual application, configuration, interfaces, failure behavior and ability to maintain required characteristics.

Tool and software qualification; controlled programs; maintenance; storage checks; revalidation records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.5.1.1(b) | Source p. 24

Maintenance, storage, preservation and periodic condition checks shall be defined. Tool repairs, software updates, relocation and changes to compensation parameters shall trigger an impact-based revalidation decision. Access to editable machine programs shall be restricted and changes traceable.

Tool and software qualification; controlled programs; maintenance; storage checks; revalidation records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.5.1.2 — Special-process validation and control

8.5.1.2(a) | Source p. 24

Special processes shall have approved methods, qualified personnel, suitable equipment, validated parameter windows and defined acceptance and monitoring criteria. Qualification shall demonstrate that relevant output characteristics can be achieved reproducibly under the proposed operating conditions.

Special-process qualification dossier; approved parameter ranges; operator qualifications; run records; requalification decisions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.5.1.2(b) | Source p. 24

The organization shall define conditions for maintaining approval, monitoring essential variables, retaining records and requalification. Changes to material, geometry, equipment, software, consumables or location shall be evaluated. Final visual inspection alone shall not replace control of hidden or irreversible characteristics.

Special-process qualification dossier; approved parameter ranges; operator qualifications; run records; requalification decisions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.5.1.3 — Production-process and first article verification

8.5.1.3(a) | Source p. 24

The organization shall verify that the planned production route, documentation, equipment and tooling can produce an item meeting requirements. Verification shall use a representative item or other justified approach and account for every applicable characteristic, including material, process, software and interface requirements.

First article record; characteristic accountability; material/process evidence; differences and repeat- verification rationale.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.5.1.3(b) | Source p. 24

Repeat verification shall be considered after design, process, source, tooling or location changes, significant interruption or evidence that previous results no longer represent production. Partial verification shall identify and justify the unaffected portion. Approval of first article evidence shall not authorize later process drift.

First article record; characteristic accountability; material/process evidence; differences and repeat- verification rationale.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.5.2 — Identification, status and traceability

8.5.2(a) | Source p. 24

Outputs shall be identified sufficiently to establish their configuration and acceptance status throughout the lifecycle. Where traceability is required, identity shall link material origin, lots, serials, processing, personnel, inspection, software versions and disposition as relevant to consequence and obligations.

Identity scheme; genealogy records; status controls; signature register; forward and reverse trace exercises.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.5.2(b) | Source p. 24

Traceability shall survive splitting, combining, packaging changes, repairs and movement between systems. Acceptance stamps, passwords and electronic signatures shall be controlled. The organization shall periodically demonstrate that a suspect source or process event can be traced to the affected population and that an item can be traced back to its evidence.

Identity scheme; genealogy records; status controls; signature register; forward and reverse trace exercises.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.5.3 — Customer and external-provider property

8.5.3(a) | Source p. 25

Property under the organization’s control shall be identified, protected and used only as authorized. This includes physical items, tooling, intellectual property, technical data, software, personal information and access credentials.

Property register; receipt checks; access controls; condition and incident records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.5.3(b) | Source p. 25

Loss, damage, unsuitable condition or unauthorized use shall be reported to the owner through the agreed channel and recorded. The organization shall preserve evidence and assess product or service impact rather than treating the issue solely as an administrative property loss.

Property register; receipt checks; access controls; condition and incident records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.5.4 — Preservation, packaging and transport

8.5.4(a) | Source p. 25

The organization shall preserve conformity during handling, storage, packaging and transport. Controls shall address cleanliness, FOD, humidity, temperature, corrosion, ESD, shock, shelf life, material compatibility, hazardous conditions and stock rotation as applicable.

Preservation specifications; packaging qualification; environmental history; shelf-life controls; excursion dispositions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.5.4(b) | Source p. 25

Packaging methods shall be qualified for the actual route and exposure where risk warrants. Excursions or damaged packaging shall trigger a product assessment. Expired, life-limited or environmentally exposed material shall not be returned to normal stock without an authorized disposition based on technical evidence.

Preservation specifications; packaging qualification; environmental history; shelf-life controls; excursion dispositions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.5.5 — Post-delivery support and field feedback

8.5.5(a) | Source p. 25

The organization shall define support responsibilities for installation, operation, training, maintenance, repair, warranty, spare parts, software updates and obsolescence within the agreed lifecycle. Technical information shall be controlled and updated when experience changes safe or effective use.

Support plan; service information; field reliability data; notifications; off-site work controls.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.5.5(b) | Source p. 25

Field performance and failures shall be collected and analyzed with exposure and configuration context. A detected problem shall trigger investigation, communication and appropriate containment of the affected population. Off-site work shall meet the same applicable controls as equivalent work at the main facility.

Support plan; service information; field reliability data; notifications; off-site work controls.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.5.6 — Production and service changes

8.5.6(a) | Source p. 25

Production and service changes shall be reviewed and authorized by competent persons with defined authority. The review shall consider changes to output characteristics, process capability, hidden features, qualification, measurement, configuration and contractual approvals.

Process-change record; technical impact; approvals; temporary controls; changed-output verification.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.5.6(b) | Source p. 25

Emergency changes shall have temporary limits, additional checks and an expiry or conversion decision. The organization shall retain the baseline, change rationale, approval and verification of the changed output. A change implemented to restore delivery shall not bypass required design approval.

Process-change record; technical impact; approvals; temporary controls; changed-output verification.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.6 — Acceptance and authorized release

8.6(a) | Source p. 25

Before release, the organization shall verify completion of the agreed acceptance plan, disposition of nonconformities, configuration consistency and availability of required documentation. Acceptance evidence shall identify actual results, applicable criteria and the authorized release person or controlled function.

Release checklist; acceptance results; closed or authorized issues; delivery dossier; release authorization.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.6(b) | Source p. 25

Open issues shall be evaluated against explicit release-blocking criteria. A concession may address only a specifically authorized and lawful departure; it shall not waive a mandatory safety approval or conceal missing verification. Products awaiting required evidence shall remain controlled.

Release checklist; acceptance results; closed or authorized issues; delivery dossier; release authorization.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.6(c) | Source p. 25

Where qualification evidence is required, it shall demonstrate the correct configuration and intended conditions. Delivery documentation shall state approved deviations, restrictions, service-life status and required user actions. Electronic release shall preserve individual accountability and tamper evidence.

Release checklist; acceptance results; closed or authorized issues; delivery dossier; release authorization.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.6(d) | Source p. 25

The release authority shall identify whether it is releasing a product, a service event, a process for use or a person for a task. Release is not equivalent to third-party certification. Conformity attestation shall additionally follow Clause 22 and Annexes AA and AD; a lifecycle conditional progression decision shall not be presented as a conditional certificate.

Release checklist; acceptance results; closed or authorized issues; delivery dossier; release authorization.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.7 — Nonconforming outputs and escape control

8.7(a) | Source p. 25

The organization shall identify and control nonconforming or suspect outputs to prevent unintended use or delivery. The response shall address severity, exposure, affected populations and consequences, including outputs already delivered or incorporated into higher assemblies.

NCR; material review decisions; population trace; notifications; repair/rework verification; scrap control.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.7(b) | Source p. 25

Disposition authority shall be defined. Repair or use-as-is decisions affecting design requirements shall obtain design-authority approval and customer approval where the contract requires it. Reworked or repaired outputs shall undergo appropriate verification. Scrap shall be positively controlled until re-entry into the supply chain is prevented.

NCR; material review decisions; population trace; notifications; repair/rework verification; scrap control.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

8.7(c) | Source p. 25

The organization shall notify relevant customers and other required recipients promptly within applicable deadlines, preserve evidence and initiate corrective action appropriate to the issue. The record shall describe the nonconformity, containment, affected population, disposition, concessions, approvals and verified outcome.

NCR; material review decisions; population trace; notifications; repair/rework verification; scrap control.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

9.1 — Monitoring strategy and data credibility

9.1(a) | Source p. 26

The organization shall define what will be monitored, why it matters, how it is measured, when it is evaluated and who acts on the result. Measures shall connect process performance to product conformity, delivery, reliability, safety, customer experience and evidence integrity.

Monitoring plan; metric dictionary; source reconciliations; data-quality checks; action records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

9.1(b) | Source p. 26

Data shall retain configuration, exposure, time period and denominator information needed for interpretation. Automated dashboards shall be reconciled to source records. Missing, delayed or selectively excluded data shall be visible. Leading indicators shall be evaluated against outcomes to confirm their usefulness.

Monitoring plan; metric dictionary; source reconciliations; data-quality checks; action records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

9.2 — Customer satisfaction and external feedback

9.2(a) | Source p. 26

The organization shall monitor customer and relevant user perceptions through suitable methods, including complaints, delivery experience, acceptance issues, service performance and corrective-action requests. Absence of complaints shall not be the sole evidence of satisfaction.

Feedback records; segment analysis; improvement plans; effectiveness evaluations.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

9.2(b) | Source p. 26

Trends shall be analyzed by meaningful product, site, supplier or configuration groups. Improvement plans shall address identified weaknesses and assess whether the customer or user experience actually improved. Contractual acceptance and user satisfaction shall be distinguished.

Feedback records; segment analysis; improvement plans; effectiveness evaluations.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

9.3 — Internal audit program

9.3(a) | Source p. 26

The organization shall maintain an audit program covering the full applicable system, sites, shifts, remote activities and relevant external interfaces. Frequency and depth shall reflect criticality, changes, performance, prior findings and the maturity of controls. The program shall include process implementation and evidence integrity, not only procedure presence.

Risk-based audit program; competence and independence; plans; evidence trails; findings; closure verification.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

9.3(b) | Source p. 26

Auditors shall be competent and sufficiently independent of the work assessed. Audit criteria and sampling rationale shall be defined. A sampled audit shall not be described as verification of every item. Critical controls and unresolved high-consequence issues shall receive explicit attention.

Risk-based audit program; competence and independence; plans; evidence trails; findings; closure verification.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

9.3(c) | Source p. 26

Findings shall identify the requirement, objective evidence and the nature of the gap. The organization shall correct and address causes, verify effectiveness and escalate overdue or ineffective action. Remote auditing shall be used only where evidence reliability and access are adequate.

Risk-based audit program; competence and independence; plans; evidence trails; findings; closure verification.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

9.3(d) | Source p. 26

The complete applicable internal audit program shall be completed at intervals not exceeding 12 months. C2 and C3 critical-control implementation shall additionally be examined at intervals not exceeding six months, using targeted audits where suitable. These are organizational internal-audit duties, separate from third-party surveillance under Annex AG.

Risk-based audit program; competence and independence; plans; evidence trails; findings; closure verification.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

9.4 — Management review inputs

9.4(a) | Source p. 26

Top management shall review the system at planned intervals and when major changes or incidents require it. Inputs shall include previous actions, context and obligation changes, objectives, process outcomes, product conformity, delivery, customer feedback, supplier performance, audits, nonconformities, risks, opportunities and resource adequacy.

Review agenda and input pack; trend analyses; independent assurance concerns; status of prior actions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

9.4(b) | Source p. 26

Review shall also consider culture, reporting behavior, emerging technology, cybersecurity, resilience, climate-related relevance, field reliability and lifecycle support. The review shall distinguish recurring patterns from isolated events and examine whether assurance independence is functioning under commercial pressure.

Review agenda and input pack; trend analyses; independent assurance concerns; status of prior actions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

9.4(c) | Source p. 26

The interval between complete management reviews shall not exceed 12 months. An immediate serious concern shall be escalated when detected rather than deferred until the next scheduled review. More frequent focused reviews shall be used where criticality, rapid change or adverse performance warrants them.

Review agenda and input pack; trend analyses; independent assurance concerns; status of prior actions.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

9.5 — Management review decisions and follow-through

9.5(a) | Source p. 27

Review outputs shall include decisions on priorities, resources, risk treatment, opportunities, process changes, capability gaps and improvement. Each action shall have an accountable owner, due date, expected result and verification method.

Recorded decisions; action ownership; resource commitments; follow-up and effectiveness evidence.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

9.5(b) | Source p. 27

Top management shall follow up actions and unresolved risks. Repeated deferral of an issue shall trigger escalation and an explicit decision about continued operations. Minutes stating “reviewed and accepted” without a basis or action on adverse evidence shall not establish effectiveness.

Recorded decisions; action ownership; resource commitments; follow-up and effectiveness evidence.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

9.6 — Independent assurance and systemic challenge

9.6(a) | Source p. 27

For high-consequence programs, the organization shall obtain independent challenge of the assurance strategy and major release decisions at the level specified in Annex B. The review shall examine assumptions, common-cause dependencies, missing evidence and the credibility of residual-risk acceptance.

Independent-review plan; challenge records; dissent resolution; release recommendations.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

9.6(b) | Source p. 27

The independence arrangement may use qualified internal or external personnel. It shall not be weakened by allowing the designer to approve their own contested evidence without the required review. Dissenting technical opinions shall be recorded and resolved through the defined authority structure.

Independent-review plan; challenge records; dissent resolution; release recommendations.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

10.1 — Response to nonconformity and containment

10.1(a) | Source p. 27

When a nonconformity or credible concern is detected, the organization shall protect affected users and outputs, determine the immediate extent and assign a response owner. Initial containment shall cover related stock, work in progress, delivered configurations and digital artifacts as relevant.

Response record; containment scope; trace results; effectiveness checks; preserved evidence.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

10.1(b) | Source p. 27

Containment effectiveness shall be checked. A correction to the first detected item shall not close the investigation of the wider population. Evidence shall be preserved so that cause analysis remains possible, including raw data, software versions, material samples and process conditions.

Response record; containment scope; trace results; effectiveness checks; preserved evidence.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

10.2 — Cause analysis and corrective action

10.2(a) | Source p. 27

The organization shall determine causes using evidence appropriate to the problem. Analysis shall consider requirement quality, design assumptions, process conditions, human factors, tooling, suppliers, management pressures, software and detection failures. Unsupported labels such as “carelessness” shall not be accepted as completed analysis.

Evidence-based cause analysis; occurrence and escape controls; action plan; systemic extent; effectiveness results.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

10.2(b) | Source p. 27

Corrective action shall address both occurrence and escape causes where relevant. Actions shall be assigned, implemented and verified against a pre-defined effectiveness measure. The organization shall assess whether similar conditions exist in other products, sites, suppliers or processes and extend action where necessary.

Evidence-based cause analysis; occurrence and escape controls; action plan; systemic extent; effectiveness results.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

10.2(c) | Source p. 27

Where an external provider is responsible, corrective requirements shall be flowed down and their effectiveness verified. Repeated or late ineffective action shall be escalated. Risk assessments, technical data, control plans and training shall be updated when the findings change their basis.

Evidence-based cause analysis; occurrence and escape controls; action plan; systemic extent; effectiveness results.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

10.3 — Continual improvement and preventive learning

10.3(a) | Source p. 27

The organization shall select improvement opportunities using performance evidence, user experience, lessons learned, technology developments and strategic needs. Improvement shall address system effectiveness, not only cost or administrative simplification.

Improvement portfolio; baseline and outcome evaluation; change assurance; retained learning.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

10.3(b) | Source p. 27

Changes introduced as improvements shall undergo the same appropriate assurance as other changes. Benefits shall be verified against the baseline, while unintended adverse effects shall be monitored. Knowledge from unsuccessful experiments shall be retained without representing an unproven benefit as achieved.

Improvement portfolio; baseline and outcome evaluation; change assurance; retained learning.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

10.4 — Learning across the lifecycle and network

10.4(a) | Source p. 27

The organization shall make relevant lessons available to affected functions and suppliers through controlled channels. Significant lessons shall be considered at new-program initiation, design review, supplier approval and process change.

Indexed lessons; applicability reviews; supplier communication; recurrence and uptake assessment.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

10.4(b) | Source p. 27

Lessons shall identify conditions of applicability and evidence, rather than only a slogan or narrative. The organization shall periodically test whether the lessons are being used and whether repeated events indicate ineffective knowledge transfer.

Indexed lessons; applicability reviews; supplier communication; recurrence and uptake assessment.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

22.1 — Conformity evidence dossier

22.1(a) | Source p. 40

The applicant shall maintain an indexed dossier linking the defined object, approved scope, applicability decisions, application profile, technical modules, implementation evidence, internal evaluations and corrective actions. Evidence shall permit a competent reviewer to follow a requirement to the relevant activity, result and decision.

Object-specific dossier; applicable requirement set; evidence index; configuration and population coverage; limitations.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

22.1(b) | Source p. 40

The dossier shall identify missing, inaccessible, obsolete or unrepresentative evidence. Procedures and questionnaires alone shall not establish implementation. Confidentiality shall be protected through authorized access; a secrecy claim shall not convert unsupported assertions into verified evidence.

Object-specific dossier; applicable requirement set; evidence index; configuration and population coverage; limitations.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

22.2 — Evaluation, review and decision separation

22.2(a) | Source p. 40

The scheme operator shall appoint evaluators competent for the object, sector, criticality and methods involved. Technical expertise shall be added where an auditor's competence does not cover the evaluated activity. Assignment, competence and conflicts shall be checked before work begins.

Assignment matrix; competence and conflict checks; evaluation record; independent review and decision identities.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

22.2(b) | Source p. 40

For third-party attestation, the decision maker shall not have performed that evaluation or supplied the relevant consultancy. A competent independent person may combine evidence review and the decision, but shall not certify their own evaluation. Internal release and internal audit independence shall follow their applicable role and criticality rules, not an inappropriate assumption that every employee is independent.

Assignment matrix; competence and conflict checks; evaluation record; independent review and decision identities.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

22.3 — Criteria, sampling and findings

22.3(a) | Source p. 41

The evaluation plan shall identify criteria, locations, periods, methods and sampling limitations. Audits shall examine process implementation and actual outputs; product, service, process and personnel evaluations shall additionally apply the relevant object criteria.

Evaluation plan; sample rationale; objective evidence; requirement-linked findings; assessed limitations.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

22.3(b) | Source p. 41

Each nonconformity shall identify a requirement, objective evidence and the gap. Classification and decision consequences shall follow Annex AD. Audit-time planning shall follow Annex AC; personnel examinations shall follow Annex AE. A sampled review shall not be claimed to verify every item or person.

Evaluation plan; sample rationale; objective evidence; requirement-linked findings; assessed limitations.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

22.4 — Decision conditions and release blockers

22.4(a) | Source p. 41

Initial grant, renewal and scope extension shall require closure of all nonconformities in the proposed scope and satisfactory independent review. Missing critical evidence, unresolved major breakdowns, falsified evidence and unfulfilled mandatory criteria shall prevent a positive decision. A percentage score shall not offset such a blocker.

Requirement-by-requirement conclusion; finding closure; blocker check; reasoned and dated decision.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

22.4(b) | Source p. 41

For an existing attestation, a localized minor finding may be handled through a bounded continuation decision only under Annexes AD and AG. That decision is not a new certificate with open findings. Technical product holds, personnel restrictions and legal reporting shall be applied independently of certificate administration.

Requirement-by-requirement conclusion; finding closure; blocker check; reasoned and dated decision.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

22.5 — Statements, certificates and mark use

22.5(a) | Source p. 41

A conformity statement shall identify AF 9100:2026, First Edition, the route, evaluated object, applicable profile, scope, sites or configurations, issuer, decision date, status and limitations. Self-declaration, customer assessment and independent third-party attestation shall be clearly distinguished.

Approved claim text; certificate data; mark permission; actual recognition scope where claimed.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

22.5(b) | Source p. 41

AF marks shall require written permission for the exact use. An organizational mark shall not be placed so that it implies unevaluated product approval. No claim of official recognition, legal equivalence, accreditation or global acceptance shall be made without an actual supporting authorization or arrangement.

Approved claim text; certificate data; mark permission; actual recognition scope where claimed.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

22.6 — Continuing validity and changes

22.6(a) | Source p. 41

The attestation holder shall report changes that can affect conformity, including new sites, ownership or legal identity, product configuration, service architecture, essential process variables, competence, critical subcontractors and serious incidents. Changes shall be evaluated before the affected extended claim is used.

Change notifications; surveillance findings; renewal evidence; current and historical status records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

22.6(b) | Source p. 41

Surveillance, renewal, suspension, restoration, expiry and withdrawal shall follow Annex AG. Status records shall preserve dates and scope history. Reissue of a document, payment of a fee or filing an appeal shall not extend an expired or suspended authorization.

Change notifications; surveillance findings; renewal evidence; current and historical status records.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

22.7 — Complaints, appeals and corrective communication

22.7(a) | Source p. 41

A transparent complaint and appeal process shall be available under Annex AI. Persons deciding an appeal shall be independent of the contested decision and its evaluation. Good-faith complaints shall not result in retaliation or reduced access to fair assessment.

Case records; independent reviewer appointment; reasoned outcomes; affected-population action and communication.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

22.7(b) | Source p. 41

A substantiated concern shall trigger correction of affected outputs, evidence or public claims. Confidential information shall remain protected, while necessary safety communication shall not be suppressed to avoid reputational harm.

Case records; independent reviewer appointment; reasoned outcomes; affected-population action and communication.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

22.8 — Scheme operation and competence attestations

22.8(a) | Source p. 41

Bodies operating AF assessment routes shall fulfill Clause 28 and Annex AH, in addition to the route-specific rules. A laboratory, inspection body or certification body seeking a CAB competence attestation shall undergo evaluation of its actual technical activities, not merely an organizational audit.

Operator authority; body competence evaluation; written scope; independent decision; accurate accreditation and authorization claims.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

22.8(b) | Source p. 41

Accreditation and AF authorization shall not be self-awarded by a body using this publication. They require the separately identified authorized decision described in Annex AH. Organizations without that authorization may use the standard internally or contractually but shall describe the basis accurately.

Operator authority; body competence evaluation; written scope; independent decision; accurate accreditation and authorization claims.

STATE	EVIDENCE / APPROVED N/A BASIS	REVIEWER / ACTUAL EVENT

Gap / required action / continuation record:

4 Compound-condition continuation and final reconciliation

Duplicate these controlled continuation fields as needed. Each additional predicate retains its parent source identifier, object, criterion, evidence, actual result, gap and independent approval. The number of printed fields is not a limit on the required evidence.

Parent requirement / compound condition / applicable object

Separate criterion and approved technical basis

Method, actual configuration and original evidence

Result, uncertainty/rubric and PASS/FAIL/HOLD/N/A reason

Failed/held condition, owner, original due event and action

Approved exclusion and independent review reference

Final requirement population and unresolved conditions

Independent reviewer / decision authority / genuine approval reference

Initial grant, renewal and extension require closure of all in-scope nonconformities and the source’s complete decision conditions. A separate authorized technical concession does not make a failed original criterion conforming. Preserve independent review, actual authority and precise scope.