



AF 9100:2026

Aerospace Quality Management System

COVERAGE MATRIX

Complete Source Coverage and Evidence Crosswalk

AF-CM-9100-001

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.

Contents and reading route

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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 Coverage scope and limitations

This matrix traces all 402 identified source subclauses and their 900 lettered paragraphs, as well as all 59 source tables, to implementation instruments. A recorded mapping verifies document navigation and allocation; it is not proof that a real organization has implemented or passed the requirement.

Main-clause and normative-annex checklists retain complete applicable source paragraphs rather than a title-only yes/no prompt. Informative calculations and filled examples remain instructional. Original table V-2 and V-3 coverage indexes are accounted for through the complete source and this matrix, not relabeled as new technical criteria.

Population	Source-linked treatment
Clauses 0-28	Common core, eleven activity modules, seven object routes, procedure and form links.
Annexes A-AJ	Exact status retained; normative controls and required fields linked to checklist and record modules.
Source F01-F12	Preserved aliases implemented by AF-FR-9100-001 through 012.
Additional records	New supporting forms 013-032 and registers organize detailed implementation needs; proposed code allocation, not new programme families.

2 Complete subsection and paragraph mapping

0 Introduction and application principles

Source and page	Condition identities / evidence focus	Implementation and record links
0.1 / p. 8 Explanation/example	0.1(a), 0.1(b) Purpose and intended outcomes	AF-PR-9100-002; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
0.2 / p. 8 Explanation/example	0.2(a), 0.2(b) AF assurance architecture	AF-PR-9100-002; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
0.3 / p. 8 Explanation/example	0.3(a), 0.3(b) Process approach and assurance loop	AF-PR-9100-002; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
0.4 / p. 8 Explanation/example	0.4(a), 0.4(b) Proportionality without dilution	AF-PR-9100-002; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
0.5 / p. 9 Explanation/example	0.5(a), 0.5(b) Normative language and numerical examples	AF-PR-9100-002; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013

1 Scope, boundaries and conformity model

Source and page	Condition identities / evidence focus	Implementation and record links
1.1 / p. 9 Normative	1.1(a), 1.1(b) Organizations and value chains covered	AF-PR-9100-002; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
1.2 / p. 9 Normative	1.2(a), 1.2(b), 1.2(c) Conformity-object register; product and service families; process and personnel scope; external-provider map; selected route and technical profile.	AF-PR-9100-002; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
1.3 / p. 9 Normative	1.3(a), 1.3(b), 1.3(c), 1.3(d) Approved scope; object-route selection; Annex A matrix; exclusions with evidence; interface owners; review triggers and scope-change history.	AF-PR-9100-002; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
1.4 / p. 10 Normative	1.4(a), 1.4(b), 1.4(c) Accurate claims and certificate scope; actual authorizations; mark permissions; separation of technical and statutory approvals.	AF-PR-9100-002; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
1.5 / p. 10 Normative	1.5(a), 1.5(b) System boundaries and hazardous domains	AF-PR-9100-002; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013

2 AF normative framework, application and precedence

Source and page	Condition identities / evidence focus	Implementation and record links
2.1 / p. 10 Normative	2.1(a), 2.1(b) Controlled edition; applicable-requirement register; application profile; evidence mapping.	AF-PR-9100-002; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
2.2 / p. 10 Normative	2.2(a), 2.2(b), 2.2(c) Approved application profile; technical rationale; criteria and methods; obligation register; change controls.	AF-PR-9100-002; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
2.3 / p. 10 Normative	2.3(a), 2.3(b), 2.3(c) Conflict register; affected scope; technical and contractual resolution; controlled amendments to working instructions.	AF-PR-9100-002; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
2.4 / p. 11 Normative	2.4(a), 2.4(b), 2.4(c) Annex applicability; complete evidence fields; evaluated conditions; justified non-applicability.	AF-PR-9100-002; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
2.5 / p. 11 Normative	2.5(a), 2.5(b) Edition and amendment register; adoption record; actual decision dates and status history.	AF-PR-9100-001, AF-PR-9100-002; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-015, AF-FR-9100-032
2.6 / p. 11 Normative	2.6(a), 2.6(b) Technical judgments; verified computations; assumptions and limitations; independent review when required.	AF-PR-9100-002; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013

3 Terms, definitions and conventions

Source and page	Condition identities / evidence focus	Implementation and record links
3.1 / p. 14 Normative	3.1(a), 3.1(b) Interpretation and evidence convention	AF-PR-9100-002; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013

4 Organizational context and management-system design

Source and page	Condition identities / evidence focus	Implementation and record links
4.1 / p. 14 Normative	4.1(a), 4.1(b), 4.1(c) Context register; climate-relevance decision; assumptions; review minutes; resulting changes to objectives, hazards or controls.	AF-PR-9100-002; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
4.2 / p. 14 Normative	4.2(a), 4.2(b) Interested-party register; obligation classification; communication responsibilities; conflict resolutions.	AF-PR-9100-002; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
4.3 / p. 14 Normative	4.3(a), 4.3(b) Scope statement and Annex A matrix; interface agreements; new-capability review; updated external claims.	AF-PR-9100-002; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
4.4 / p. 15 Normative	4.4(a), 4.4(b), 4.4(c) Process architecture; process-owner definitions; operating criteria; interaction records; process metrics and improvement actions.	AF-PR-9100-002; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
4.5 / p. 15 Normative	4.5(a), 4.5(b) Controlled obligation register; change assessments; authorized evidence-access arrangements.	AF-PR-9100-002, AF-PR-9100-011; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013

5 Leadership, quality culture and accountable decisions

Source and page	Condition identities / evidence focus	Implementation and record links
5.1 / p. 15 Normative	5.1(a), 5.1(b) Executive reviews; resource decisions; commitment reviews; balanced performance measures and escalations.	AF-PR-9100-003, AF-PR-9100-024; AF-CL-9100-001; AF-FR-9100-003, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-014
5.2 / p. 15 Normative	5.2(a), 5.2(b) Approved policy; communication records; observed application; linked objectives.	AF-PR-9100-003; AF-CL-9100-001; AF-FR-9100-003, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-014
5.3 / p. 15 Normative	5.3(a), 5.3(b), 5.3(c) Authority matrix; management-representative appointment; independence arrangements; delegation register.	AF-PR-9100-003; AF-CL-9100-001; AF-FR-9100-003, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-014
5.4 / p. 16 Normative	5.4(a), 5.4(b), 5.4(c) Behavior code; reporting channels; investigation records; incentive review; culture evaluation and actions.	AF-PR-9100-003, AF-PR-9100-036; AF-CL-9100-001; AF-FR-9100-003, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-014
5.5 / p. 16 Normative	5.5(a), 5.5(b) Stop-work instruction; hold records; restart criteria and authorized decisions.	AF-PR-9100-003; AF-CL-9100-001; AF-FR-9100-003, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-014
5.6 / p. 16 Normative	5.6(a), 5.6(b) Claim-approval process; supporting evidence; conflict disclosures; correction records.	AF-PR-9100-003; AF-CL-9100-001; AF-FR-9100-003, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-014

6 Planning, risks, opportunities and controlled change

Source and page	Condition identities / evidence focus	Implementation and record links
6.1 / p. 16 Normative	6.1(a), 6.1(b), 6.1(c) Risk register; hazard analyses; acceptance criteria; control verification; residual-risk decisions and triggers.	AF-PR-9100-004; AF-CL-9100-001; AF-FR-9100-014, AF-FR-9100-016, AF-FR-9100-006
6.2 / p. 16 Normative	6.2(a), 6.2(b) Opportunity register; selected initiatives; benefit evaluations; associated risk assessments.	AF-PR-9100-005; AF-CL-9100-001; AF-FR-9100-013, AF-FR-9100-027, AF-FR-9100-028
6.3 / p. 17 Normative	6.3(a), 6.3(b) Objective plans; metric definitions; baseline data; progress reviews and decisions.	AF-PR-9100-005; AF-CL-9100-001; AF-FR-9100-013, AF-FR-9100-027, AF-FR-9100-028
6.4 / p. 17 Normative	6.4(a), 6.4(b) Change requests; impact assessments; approvals; training; implementation and post-change verification.	AF-PR-9100-006; AF-CL-9100-001; AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-021, AF-FR-9100-022
6.5 / p. 17 Normative	6.5(a), 6.5(b) Business-impact analysis; continuity plans; exercise results; approved recovery and restart evidence.	AF-PR-9100-026; AF-CL-9100-001; AF-FR-9100-029, AF-FR-9100-017, AF-FR-9100-006, AF-FR-9100-008
6.6 / p. 17 Normative	6.6(a), 6.6(b) Technology evidence dossier; experiment approvals; readiness gap list; transition-gate decisions.	AF-PR-9100-029; AF-CL-9100-001; AF-FR-9100-030, AF-FR-9100-014, AF-FR-9100-019, AF-FR-9100-027

7 People, infrastructure, knowledge and documented evidence

Source and page	Condition identities / evidence focus	Implementation and record links
7.1 / p. 17 Normative	7.1(a), 7.1(b) Capacity reviews; staffing and equipment plans; constraint decisions; lifecycle-support commitments.	AF-PR-9100-007; AF-CL-9100-001; AF-FR-9100-017, AF-FR-9100-018, AF-FR-9100-029
7.2 / p. 17 Normative	7.2(a), 7.2(b), 7.2(c) Role competence criteria; assessments; qualifications; task-authorization register; reassessment records.	AF-PR-9100-008; AF-CL-9100-001; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
7.3 / p. 18 Normative	7.3(a), 7.3(b) Awareness evaluation; human-factor assessments; shift handover and error-prevention controls.	AF-PR-9100-008; AF-CL-9100-001; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
7.4 / p. 18 Normative	7.4(a), 7.4(b) Infrastructure register; maintenance and commissioning records; utility limits; facility change reviews.	AF-PR-9100-007; AF-CL-9100-001; AF-FR-9100-017, AF-FR-9100-018, AF-FR-9100-029
7.5 / p. 18 Normative	7.5(a), 7.5(b) Environmental specifications; monitoring logs; excursion investigations; cleanliness verification.	AF-PR-9100-018; AF-CL-9100-001; AF-FR-9100-024, AF-FR-9100-020, AF-FR-9100-026
7.6 / p. 18 Normative	7.6(a), 7.6(b), 7.6(c) Equipment register; calibration chain; recall system; uncertainty suitability; impact and disposition records.	AF-PR-9100-009; AF-CL-9100-001; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023
7.7 / p. 18 Normative	7.7(a), 7.7(b), 7.7(c) Method-validation records; uncertainty budgets; decision rules; automated inspection challenge results.	AF-PR-9100-009; AF-CL-9100-001; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023
7.8 / p. 19 Normative	7.8(a), 7.8(b) Knowledge map; succession and transfer records; lessons database; reuse applicability reviews.	AF-PR-9100-025; AF-CL-9100-001; AF-FR-9100-031, AF-FR-9100-028, AF-FR-9100-032
7.9 / p. 19 Normative	7.9(a), 7.9(b) Communication matrix; notification and acknowledgement logs; approved information-sharing arrangements.	AF-PR-9100-010; AF-CL-9100-001; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-032
7.10 / p. 19 Normative	7.10(a), 7.10(b) Document master list; approval workflow; distribution controls; point-of-use verification.	AF-PR-9100-001; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-015, AF-FR-9100-032
7.11 / p. 19 Normative	7.11(a), 7.11(b), 7.11(c) Retention schedule; signature controls; audit trails; migration and restore tests; authorized disposal records.	AF-PR-9100-001, AF-PR-9100-010; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-015, AF-FR-9100-032
7.12 / p. 19 Normative	7.12(a), 7.12(b) Tool inventory; validation plan and known-answer tests; version records; review and revalidation triggers.	AF-PR-9100-010; AF-CL-9100-001; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-032

8 Operational planning and product or service realization

Source and page	Condition identities / evidence focus	Implementation and record links
8.1 / p. 20 Normative	8.1(a), 8.1(b), 8.1(c) Program assurance plan; work packages; control plans; integrated schedule; baseline consistency review.	AF-PR-9100-015; AF-CL-9100-001; AF-FR-9100-021, AF-FR-9100-022, AF-FR-9100-024, AF-FR-9100-025
8.1.1 / p. 20 Normative	8.1.1(a), 8.1.1(b) Program risk register; mitigation verification; residual-risk acceptance; changes based on new evidence.	AF-PR-9100-004, AF-PR-9100-015; AF-CL-9100-001; AF-FR-9100-014, AF-FR-9100-016, AF-FR-9100-006
8.1.2 / p. 20 Normative	8.1.2(a), 8.1.2(b), 8.1.2(c) Configuration plan; item hierarchy; baselines; change board decisions; status accounting; configuration audits.	AF-PR-9100-006, AF-PR-9100-015; AF-CL-9100-001; AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-021, AF-FR-9100-022
8.1.3 / p. 20 Normative	8.1.3(a), 8.1.3(b), 8.1.3(c) Hazard log; safety-control traceability; independent reviews; safety communications; in-service event assessments.	AF-PR-9100-004, AF-PR-9100-015; AF-CL-9100-001; AF-FR-9100-014, AF-FR-9100-016, AF-FR-9100-006
8.1.4 / p. 21 Normative	8.1.4(a), 8.1.4(b), 8.1.4(c) Authenticity-risk assessment; approved sources; incoming verification; suspect-item records and disposition.	AF-PR-9100-014, AF-PR-9100-015; AF-CL-9100-001; AF-FR-9100-020, AF-FR-9100-024, AF-FR-9100-006
8.1.5 / p. 21 Normative	8.1.5(a), 8.1.5(b) Transfer plan; receiving-site readiness; qualification evidence; initial-output monitoring and closure.	AF-PR-9100-006, AF-PR-9100-015; AF-CL-9100-001; AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-021, AF-FR-9100-022
8.2 / p. 21 Normative	8.2(a) Requirement lifecycle; agreed baseline; review and change records.	AF-PR-9100-011; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013, AF-FR-9100-015
8.2.1 / p. 21 Normative	8.2.1(a), 8.2.1(b) Communication arrangements; technical clarifications; complaints; user-information distribution.	AF-PR-9100-011; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013, AF-FR-9100-015
8.2.2 / p. 21 Normative	8.2.2(a), 8.2.2(b) Requirements register; assumptions; applicable obligations; acceptance definitions; identified special requirements.	AF-PR-9100-011; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013, AF-FR-9100-015
8.2.3 / p. 21 Normative	8.2.3(a), 8.2.3(b), 8.2.3(c) Multifunctional contract review; feasibility evidence; resolutions; approved deviations from the proposed offer.	AF-PR-9100-011; AF-CL-9100-001; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013, AF-FR-9100-015
8.2.4 / p. 22 Normative	8.2.4(a), 8.2.4(b) Requirement-change record; impact analysis; baseline update; implementation and acknowledgement evidence.	AF-PR-9100-006, AF-PR-9100-011; AF-CL-9100-001; AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-021, AF-FR-9100-022
8.3 / p. 22 Normative	8.3(a) Design scope and responsibility; controlled inputs; review, verification, validation and changes.	AF-PR-9100-012; AF-CL-9100-001; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023

Source and page	Condition identities / evidence focus	Implementation and record links
8.3.1 / p. 22 Normative	8.3.1(a), 8.3.1(b) Design process; responsibility allocation; design-data acceptance; escalation of ambiguities.	AF-PR-9100-012; AF-CL-9100-001; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023
8.3.2 / p. 22 Normative	8.3.2(a), 8.3.2(b) Design plan; interface agreements; review schedule; V&V strategy; required independence.	AF-PR-9100-012; AF-CL-9100-001; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023
8.3.3 / p. 22 Normative	8.3.3(a), 8.3.3(b) Approved input baseline; derivation rationale; assumption register; conflict resolutions.	AF-PR-9100-012; AF-CL-9100-001; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023
8.3.4 / p. 22 Normative	8.3.4(a), 8.3.4(b), 8.3.4(c) Review records; requirements-to-evidence matrix; approved test plans; raw data; model credibility; anomaly dispositions.	AF-PR-9100-012, AF-PR-9100-019; AF-CL-9100-001; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023
8.3.5 / p. 22 Normative	8.3.5(a), 8.3.5(b) Released design package; critical-characteristic list; approval; downstream usability review.	AF-PR-9100-012; AF-CL-9100-001; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023
8.3.6 / p. 23 Normative	8.3.6(a), 8.3.6(b) Change request; impact analysis; requalification decision; approvals; affected-item and implementation records.	AF-PR-9100-006, AF-PR-9100-012; AF-CL-9100-001; AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-021, AF-FR-9100-022
8.4 / p. 23 Normative	8.4(a) External-provider scope; approval, verification and flow-down evidence.	AF-PR-9100-013; AF-CL-9100-001; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
8.4.1 / p. 23 Normative	8.4.1(a), 8.4.1(b), 8.4.1(c) Supplier evaluations; approval register; performance reviews; conditional approvals; sub-tier dependency map.	AF-PR-9100-013; AF-CL-9100-001; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
8.4.2 / p. 23 Normative	8.4.2(a), 8.4.2(b), 8.4.2(c) Incoming verification plans; report checks; delegated inspection controls; restricted-release and recall records.	AF-PR-9100-013, AF-PR-9100-014; AF-CL-9100-001; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
8.4.3 / p. 23 Normative	8.4.3(a), 8.4.3(b), 8.4.3(c), 8.4.3(d) Purchase-order clauses; technical-data issue record; sub-tier acknowledgement; flow-down verification.	AF-PR-9100-013; AF-CL-9100-001; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
8.5 / p. 24 Normative	8.5(a) Controlled work routes; actual execution; identity, preservation, support and change records.	AF-PR-9100-015; AF-CL-9100-001; AF-FR-9100-021, AF-FR-9100-022, AF-FR-9100-024, AF-FR-9100-025
8.5.1 / p. 24 Normative	8.5.1(a), 8.5.1(b), 8.5.1(c) Controlled route or work package; process records; in-process verification; quantity reconciliation; FOD and utility controls.	AF-PR-9100-015; AF-CL-9100-001; AF-FR-9100-021, AF-FR-9100-022, AF-FR-9100-024, AF-FR-9100-025
8.5.1.1 / p. 24 Normative	8.5.1.1(a), 8.5.1.1(b) Tool and software qualification; controlled programs; maintenance; storage checks; revalidation records.	AF-PR-9100-007, AF-PR-9100-015; AF-CL-9100-001; AF-FR-9100-017, AF-FR-9100-018, AF-FR-9100-029

Source and page	Condition identities / evidence focus	Implementation and record links
8.5.1.2 / p. 24 Normative	8.5.1.2(a), 8.5.1.2(b) Special-process qualification dossier; approved parameter ranges; operator qualifications; run records; requalification decisions.	AF-PR-9100-015, AF-PR-9100-016; AF-CL-9100-001; AF-FR-9100-021, AF-FR-9100-022, AF-FR-9100-024, AF-FR-9100-025
8.5.1.3 / p. 24 Normative	8.5.1.3(a), 8.5.1.3(b) First article record; characteristic accountability; material/process evidence; differences and repeat- verification rationale.	AF-PR-9100-015, AF-PR-9100-017; AF-CL-9100-001; AF-FR-9100-021, AF-FR-9100-022, AF-FR-9100-024, AF-FR-9100-025
8.5.2 / p. 24 Normative	8.5.2(a), 8.5.2(b) Identity scheme; genealogy records; status controls; signature register; forward and reverse trace exercises.	AF-PR-9100-015; AF-CL-9100-001; AF-FR-9100-021, AF-FR-9100-022, AF-FR-9100-024, AF-FR-9100-025
8.5.3 / p. 25 Normative	8.5.3(a), 8.5.3(b) Property register; receipt checks; access controls; condition and incident records.	AF-PR-9100-015, AF-PR-9100-018; AF-CL-9100-001; AF-FR-9100-021, AF-FR-9100-022, AF-FR-9100-024, AF-FR-9100-025
8.5.4 / p. 25 Normative	8.5.4(a), 8.5.4(b) Preservation specifications; packaging qualification; environmental history; shelf-life controls; excursion dispositions.	AF-PR-9100-015, AF-PR-9100-018; AF-CL-9100-001; AF-FR-9100-021, AF-FR-9100-022, AF-FR-9100-024, AF-FR-9100-025
8.5.5 / p. 25 Normative	8.5.5(a), 8.5.5(b) Support plan; service information; field reliability data; notifications; off-site work controls.	AF-PR-9100-015, AF-PR-9100-028; AF-CL-9100-001; AF-FR-9100-021, AF-FR-9100-022, AF-FR-9100-024, AF-FR-9100-025
8.5.6 / p. 25 Normative	8.5.6(a), 8.5.6(b) Process-change record; technical impact; approvals; temporary controls; changed-output verification.	AF-PR-9100-006, AF-PR-9100-015; AF-CL-9100-001; AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-021, AF-FR-9100-022
8.6 / p. 25 Normative	8.6(a), 8.6(b), 8.6(c), 8.6(d) Release checklist; acceptance results; closed or authorized issues; delivery dossier; release authorization.	AF-PR-9100-020; AF-CL-9100-001; AF-FR-9100-005, AF-FR-9100-007, AF-FR-9100-025, AF-FR-9100-026
8.7 / p. 25 Normative	8.7(a), 8.7(b), 8.7(c) NCR; material review decisions; population trace; notifications; repair/rework verification; scrap control.	AF-PR-9100-021; AF-CL-9100-001; AF-FR-9100-006, AF-FR-9100-014, AF-FR-9100-027, AF-FR-9100-028

9 Performance evaluation, audit and management review

Source and page	Condition identities / evidence focus	Implementation and record links
9.1 / p. 26 Normative	9.1(a), 9.1(b) Monitoring plan; metric dictionary; source reconciliations; data-quality checks; action records.	AF-PR-9100-005, AF-PR-9100-022; AF-CL-9100-001; AF-FR-9100-013, AF-FR-9100-027, AF-FR-9100-028
9.2 / p. 26 Normative	9.2(a), 9.2(b) Feedback records; segment analysis; improvement plans; effectiveness evaluations.	AF-PR-9100-022; AF-CL-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
9.3 / p. 26 Normative	9.3(a), 9.3(b), 9.3(c), 9.3(d) Risk-based audit program; competence and independence; plans; evidence trails; findings; closure verification.	AF-PR-9100-023; AF-CL-9100-001; AF-FR-9100-004, AF-FR-9100-006, AF-FR-9100-028
9.4 / p. 26 Normative	9.4(a), 9.4(b), 9.4(c) Review agenda and input pack; trend analyses; independent assurance concerns; status of prior actions.	AF-PR-9100-024; AF-CL-9100-001; AF-FR-9100-028, AF-FR-9100-013, AF-FR-9100-014
9.5 / p. 27 Normative	9.5(a), 9.5(b) Recorded decisions; action ownership; resource commitments; follow-up and effectiveness evidence.	AF-PR-9100-024; AF-CL-9100-001; AF-FR-9100-028, AF-FR-9100-013, AF-FR-9100-014
9.6 / p. 27 Normative	9.6(a), 9.6(b) Independent-review plan; challenge records; dissent resolution; release recommendations.	AF-PR-9100-003, AF-PR-9100-024; AF-CL-9100-001; AF-FR-9100-003, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-014

10 Correction, learning and continual improvement

Source and page	Condition identities / evidence focus	Implementation and record links
10.1 / p. 27 Normative	10.1(a), 10.1(b) Response record; containment scope; trace results; effectiveness checks; preserved evidence.	AF-PR-9100-021; AF-CL-9100-001; AF-FR-9100-006, AF-FR-9100-014, AF-FR-9100-027, AF-FR-9100-028
10.2 / p. 27 Normative	10.2(a), 10.2(b), 10.2(c) Evidence-based cause analysis; occurrence and escape controls; action plan; systemic extent; effectiveness results.	AF-PR-9100-021; AF-CL-9100-001; AF-FR-9100-006, AF-FR-9100-014, AF-FR-9100-027, AF-FR-9100-028
10.3 / p. 27 Normative	10.3(a), 10.3(b) Improvement portfolio; baseline and outcome evaluation; change assurance; retained learning.	AF-PR-9100-005, AF-PR-9100-025; AF-CL-9100-001; AF-FR-9100-013, AF-FR-9100-027, AF-FR-9100-028
10.4 / p. 27 Normative	10.4(a), 10.4(b) Indexed lessons; applicability reviews; supplier communication; recurrence and uptake assessment.	AF-PR-9100-025; AF-CL-9100-001; AF-FR-9100-031, AF-FR-9100-028, AF-FR-9100-032

11 Systems engineering, lifecycle gates and mission assurance

Source and page	Condition identities / evidence focus	Implementation and record links
11.1 / p. 28 Normative	11.1(a), 11.1(b) Mission concept; scenario catalogue; boundary assumptions; success and safe-state criteria.	AF-PR-9100-012; AF-CL-9100-002; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023
11.2 / p. 28 Normative	11.2(a), 11.2(b) Requirement allocation; interface-control documents; integration assumptions; cross-interface verification.	AF-PR-9100-012; AF-CL-9100-002; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023
11.3 / p. 28 Normative	11.3(a), 11.3(b) Gate plan; review packages; decision records; conditions and verified closure.	AF-PR-9100-012; AF-CL-9100-002; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023
11.4 / p. 28 Normative	11.4(a), 11.4(b), 11.4(c) RAM plan; models and assumptions; test plan; field exposure; repair-time and downtime definitions.	AF-PR-9100-012, AF-PR-9100-022; AF-CL-9100-002; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023
11.5 / p. 28 Normative	11.5(a), 11.5(b) Assurance case; hazard log; analysis rationale; evidence index; limitations and independent challenge.	AF-PR-9100-004, AF-PR-9100-012; AF-CL-9100-002; AF-FR-9100-014, AF-FR-9100-016, AF-FR-9100-006
11.6 / p. 28 Normative	11.6(a), 11.6(b) Verification matrix; method-selection rationale; model-credibility dossier; approved extrapolations.	AF-PR-9100-012, AF-PR-9100-019; AF-CL-9100-002; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023
11.7 / p. 29 Normative	11.7(a), 11.7(b) Budget register; margin definitions; allocation history; uncertainty and change assessments.	AF-PR-9100-012; AF-CL-9100-002; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023
11.8 / p. 29 Normative	11.8(a), 11.8(b) Integrated readiness review; handover dossier; receiving acknowledgement; long-life support arrangements.	AF-PR-9100-012; AF-CL-9100-002; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023

12 Software, programmable hardware, AI and digital engineering

Source and page	Condition identities / evidence focus	Implementation and record links
12.1 / p. 29 Normative	12.1(a), 12.1(b) Digital lifecycle plan; allocated requirements; architecture; fault-containment and timing analyses.	AF-PR-9100-027; AF-CL-9100-003; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
12.2 / p. 29 Normative	12.2(a), 12.2(b) Source and review records; build manifest; dependency inventory; reproducibility and artifact identity checks.	AF-PR-9100-027; AF-CL-9100-003; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
12.3 / p. 29 Normative	12.3(a), 12.3(b) Verification plan; traceable tests; coverage analysis; anomaly disposition; target-representativeness assessment.	AF-PR-9100-027; AF-CL-9100-003; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
12.4 / p. 30 Normative	12.4(a), 12.4(b) AI use-case inventory; intended-use statement; alternatives assessment; authority limits; oversight validation.	AF-PR-9100-027; AF-CL-9100-003; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
12.5 / p. 30 Normative	12.5(a), 12.5(b) Dataset manifest; labeling assurance; partition controls; scenario coverage; stratified evaluation and uncertainty.	AF-PR-9100-027; AF-CL-9100-003; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
12.6 / p. 30 Normative	12.6(a), 12.6(b), 12.6(c) Model release card; drift thresholds and rationale; fallback tests; update approvals; monitoring records.	AF-PR-9100-027; AF-CL-9100-003; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
12.7 / p. 30 Normative	12.7(a), 12.7(b) Approved use cases; data-access rules; review records; verified calculations and references.	AF-PR-9100-027; AF-CL-9100-003; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
12.8 / p. 30 Normative	12.8(a), 12.8(b) Model authority map; twin identity and update controls; validation; model-based acceptance rationale.	AF-PR-9100-027; AF-CL-9100-003; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
12.9 / p. 30 Normative	12.9(a), 12.9(b) Digital support plan; escrow or access arrangements where needed; migration tests; obsolescence decisions.	AF-PR-9100-025, AF-PR-9100-027; AF-CL-9100-003; AF-FR-9100-031, AF-FR-9100-028, AF-FR-9100-032

13 Cybersecurity, OT resilience and trusted evidence

Source and page	Condition identities / evidence focus	Implementation and record links
13.1 / p. 31 Normative	13.1(a), 13.1(b) Asset and trust-boundary inventory; threat assessment; safety-security interface decisions.	AF-PR-9100-027; AF-CL-9100-004; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
13.2 / p. 31 Normative	13.2(a), 13.2(b) Access matrix; privileged approvals; identity lifecycle; emergency-access reviews.	AF-PR-9100-027; AF-CL-9100-004; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
13.3 / p. 31 Normative	13.3(a), 13.3(b) Secure-development plan; SBOM; dependency reviews; vulnerability decisions and mitigations.	AF-PR-9100-027; AF-CL-9100-004; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
13.4 / p. 31 Normative	13.4(a), 13.4(b) OT architecture; authorized connections; patch assessments; compensating controls; restoration tests.	AF-PR-9100-027; AF-CL-9100-004; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
13.5 / p. 31 Normative	13.5(a), 13.5(b) Update architecture; signed release manifest; interruption and rollback tests; cryptographic inventory and migration plan.	AF-PR-9100-027; AF-CL-9100-004; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
13.6 / p. 31 Normative	13.6(a), 13.6(b) Authorized test plans; results; vulnerability register; remediation verification; customer communication.	AF-PR-9100-027; AF-CL-9100-004; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
13.7 / p. 32 Normative	13.7(a), 13.7(b) Incident plan; exercise records; RTO/RPO basis; integrity verification; return-to-service decision.	AF-PR-9100-026, AF-PR-9100-027; AF-CL-9100-004; AF-FR-9100-029, AF-FR-9100-017, AF-FR-9100-006, AF-FR-9100-008

14 Space systems, operations and long-duration missions

Source and page	Condition identities / evidence focus	Implementation and record links
14.1 / p. 32 Normative	14.1(a), 14.1(b) Space assurance plan; mission interface allocation; environmental and lifecycle assumptions; gate evidence.	AF-PR-9100-002; AF-CL-9100-005; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
14.2 / p. 32 Normative	14.2(a), 14.2(b) Environmental specification; qualification matrix; test-article differences; margin and exposure rationale.	AF-PR-9100-019; AF-CL-9100-005; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-006
14.3 / p. 32 Normative	14.3(a), 14.3(b) Parts and materials lists; environmental suitability; contamination plan; applicable protection-control evidence.	AF-PR-9100-002; AF-CL-9100-005; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
14.4 / p. 32 Normative	14.4(a), 14.4(b) Ground-segment baseline; command-authority rules; rehearsals; anomaly procedures; telemetry interpretation limits.	AF-PR-9100-002; AF-CL-9100-005; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
14.5 / p. 32 Normative	14.5(a), 14.5(b) Responsibility allocation; disposal concept; resource budgets; failure cases; end-of-life decision and verification records.	AF-PR-9100-002; AF-CL-9100-005; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
14.6 / p. 33 Normative	14.6(a), 14.6(b) Human-system requirements; life-support interface assurance; emergency scenarios; independent review; integrated validation.	AF-PR-9100-002; AF-CL-9100-005; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
14.7 / p. 33 Normative	14.7(a), 14.7(b) Surface or servicing concept; environment-specific qualification; remote acceptance strategy; safe-state and evidence limitations.	AF-PR-9100-002; AF-CL-9100-005; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013

15 Aviation, unmanned systems and advanced air mobility

Source and page	Condition identities / evidence focus	Implementation and record links
15.1 / p. 33 Normative	15.1(a), 15.1(b) Approval-interface matrix; assigned obligations; change and repair approvals; supporting evidence.	AF-PR-9100-002; AF-CL-9100-006; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
15.2 / p. 33 Normative	15.2(a), 15.2(b) Installation assessment; integration verification; affected-system analysis; updated support data.	AF-PR-9100-002; AF-CL-9100-006; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
15.3 / p. 33 Normative	15.3(a), 15.3(b) System-level UAS assessment; domain definition; link-loss tests; workload and contingency validation.	AF-PR-9100-002; AF-CL-9100-006; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
15.4 / p. 33 Normative	15.4(a), 15.4(b) Integrated energy-hazard assessment; architecture qualification; degradation limits; ground-support and emergency information.	AF-PR-9100-002; AF-CL-9100-006; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
15.5 / p. 34 Normative	15.5(a), 15.5(b) Service assurance plan; interface compatibility; change assessments; maintenance and operational verification.	AF-PR-9100-002; AF-CL-9100-006; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
15.6 / p. 34 Normative	15.6(a), 15.6(b) Capability list; approved maintenance data; personnel authorization; life-status records; maintenance release evidence.	AF-PR-9100-028; AF-CL-9100-006; AF-FR-9100-026, AF-FR-9100-024, AF-FR-9100-009, AF-FR-9100-025

16 Defense systems and mission-specific land and maritime mobility

Source and page	Condition identities / evidence focus	Implementation and record links
16.1 / p. 34 Normative	16.1(a), 16.1(b) Defense assurance plan; contractual obligation matrix; access arrangements; approval responsibilities.	AF-PR-9100-002; AF-CL-9100-007; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
16.2 / p. 34 Normative	16.2(a), 16.2(b) Cross-domain interface baseline; integration tests; safe-state definition; authorized test controls.	AF-PR-9100-002; AF-CL-9100-007; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
16.3 / p. 34 Normative	16.3(a), 16.3(b) Vehicle duty profile; integration impact assessment; configuration-specific qualification; maintenance and transport limits.	AF-PR-9100-002; AF-CL-9100-007; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
16.4 / p. 34 Normative	16.4(a), 16.4(b) Maritime requirement basis; critical-boundary records; process and inspection evidence; deterioration- management plan.	AF-PR-9100-002; AF-CL-9100-007; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
16.5 / p. 35 Normative	16.5(a), 16.5(b) Authority model; domain constraints; intervention validation; simulation limits; change and release records.	AF-PR-9100-002; AF-CL-9100-007; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
16.6 / p. 35 Normative	16.6(a), 16.6(b) Controlled-technology review; authorized access; due diligence; ethical escalation and disposition.	AF-PR-9100-002; AF-CL-9100-007; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
16.7 / p. 35 Normative	16.7(a), 16.7(b) Support and obsolescence plan; substitution approvals; field configuration; life and refurbishment records.	AF-PR-9100-002; AF-CL-9100-007; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013

17 Heavy industry, critical plant and industrial infrastructure

Source and page	Condition identities / evidence focus	Implementation and record links
17.1 / p. 35 Normative	17.1(a), 17.1(b) Asset design basis; boundary drawings; applicable-code register; lifecycle responsibility allocation.	AF-PR-9100-007; AF-CL-9100-008; AF-FR-9100-017, AF-FR-9100-018, AF-FR-9100-029
17.2 / p. 35 Normative	17.2(a), 17.2(b) Integrity-management plan; equipment dossiers; degradation assessments; override and temporary- repair controls.	AF-PR-9100-007; AF-CL-9100-008; AF-FR-9100-017, AF-FR-9100-018, AF-FR-9100-029
17.3 / p. 35 Normative	17.3(a), 17.3(b) Fabrication and installation records; hidden-work inspections; alignment and interface checks; as-built configuration.	AF-PR-9100-007; AF-CL-9100-008; AF-FR-9100-017, AF-FR-9100-018, AF-FR-9100-029
17.4 / p. 36 Normative	17.4(a), 17.4(b) Commissioning plan; test records; protective-function verification; open-item disposition; handover acceptance.	AF-PR-9100-007; AF-CL-9100-008; AF-FR-9100-017, AF-FR-9100-018, AF-FR-9100-029
17.5 / p. 36 Normative	17.5(a), 17.5(b) Inspection strategy; condition data; detection capability; remaining-life or repair decisions; interval review.	AF-PR-9100-007; AF-CL-9100-008; AF-FR-9100-017, AF-FR-9100-018, AF-FR-9100-029
17.6 / p. 36 Normative	17.6(a), 17.6(b) Modernization assessment; verified legacy baseline; decommissioning plan; disposition and transfer records.	AF-PR-9100-007; AF-CL-9100-008; AF-FR-9100-017, AF-FR-9100-018, AF-FR-9100-029

18 Materials, advanced manufacturing and special technologies

Source and page	Condition identities / evidence focus	Implementation and record links
18.1 / p. 36 Normative	18.1(a), 18.1(b) Material specifications; batch certificates and verification; substitution approvals; storage and life records.	AF-PR-9100-014, AF-PR-9100-016; AF-CL-9100-009; AF-FR-9100-020, AF-FR-9100-024, AF-FR-9100-006
18.2 / p. 36 Normative	18.2(a), 18.2(b) Process qualification; batch and thermal records; representative test evidence; repair approvals.	AF-PR-9100-016; AF-CL-9100-009; AF-FR-9100-022, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-009
18.3 / p. 36 Normative	18.3(a), 18.3(b) Composite or bond qualification; constituent genealogy; process history; inspection capability; change review.	AF-PR-9100-016; AF-CL-9100-009; AF-FR-9100-022, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-009
18.4 / p. 37 Normative	18.4(a), 18.4(b) Build qualification; feedstock history; signed build package; monitoring validation; post-process and acceptance records.	AF-PR-9100-016; AF-CL-9100-009; AF-FR-9100-022, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-009
18.5 / p. 37 Normative	18.5(a), 18.5(b) Component assurance plan; approved parts list; assembly qualification; configuration and screening evidence.	AF-PR-9100-016; AF-CL-9100-009; AF-FR-9100-022, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-009
18.6 / p. 37 Normative	18.6(a), 18.6(b) NDT procedure qualification; personnel authorization; reference-artifact control; detection capability and limitations.	AF-PR-9100-016, AF-PR-9100-019; AF-CL-9100-009; AF-FR-9100-022, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-009
18.7 / p. 37 Normative	18.7(a), 18.7(b) Surface-process qualification; bath or chemical controls; test results; cleanliness criteria and records.	AF-PR-9100-016, AF-PR-9100-018; AF-CL-9100-009; AF-FR-9100-022, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-009

19 Propulsion, energy storage and hazardous-energy assurance

Source and page	Condition identities / evidence focus	Implementation and record links
19.1 / p. 37 Normative	19.1(a), 19.1(b) Energy-system architecture; integrated hazard analysis; lifecycle controls; specialist approvals.	AF-PR-9100-002; AF-CL-9100-010; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
19.2 / p. 37 Normative	19.2(a), 19.2(b) Battery configuration; qualification basis; life and condition data; protection verification; reuse assessment.	AF-PR-9100-002; AF-CL-9100-010; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
19.3 / p. 38 Normative	19.3(a), 19.3(b) Compatibility assessment; containment and protection evidence; supply controls; authorized procedures.	AF-PR-9100-002; AF-CL-9100-010; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
19.4 / p. 38 Normative	19.4(a), 19.4(b) Operating-envelope basis; critical-part genealogy; qualification and acceptance; life-management records.	AF-PR-9100-002; AF-CL-9100-010; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
19.5 / p. 38 Normative	19.5(a), 19.5(b) Test safety review; readiness approval; abort rules; anomaly evidence; restart and reuse decisions.	AF-PR-9100-026; AF-CL-9100-010; AF-FR-9100-029, AF-FR-9100-017, AF-FR-9100-006, AF-FR-9100-008

20 Sustainability, human factors and responsible lifecycle stewardship

Source and page	Condition identities / evidence focus	Implementation and record links
20.1 / p. 38 Normative	20.1(a), 20.1(b) Lifecycle aspect register; obligations; action plans; integrated change assessments.	AF-PR-9100-029; AF-CL-9100-011; AF-FR-9100-030, AF-FR-9100-014, AF-FR-9100-019, AF-FR-9100-027
20.2 / p. 38 Normative	20.2(a), 20.2(b) Inventory model; data sources; factors and editions; uncertainty; claim review and verification status.	AF-PR-9100-029; AF-CL-9100-011; AF-FR-9100-030, AF-FR-9100-014, AF-FR-9100-019, AF-FR-9100-027
20.3 / p. 38 Normative	20.3(a), 20.3(b) Repair and recovery strategy; life-status controls; qualification of reused inputs; secure disposition records.	AF-PR-9100-029; AF-CL-9100-011; AF-FR-9100-030, AF-FR-9100-014, AF-FR-9100-019, AF-FR-9100-027
20.4 / p. 39 Normative	20.4(a), 20.4(b) Human-system requirements; representative evaluations; workload and error analyses; design decisions.	AF-PR-9100-029; AF-CL-9100-011; AF-FR-9100-030, AF-FR-9100-014, AF-FR-9100-019, AF-FR-9100-027
20.5 / p. 39 Normative	20.5(a), 20.5(b) Work-risk interfaces; competence and contractor controls; incident learning; emergency arrangements.	AF-PR-9100-029; AF-CL-9100-011; AF-FR-9100-030, AF-FR-9100-014, AF-FR-9100-019, AF-FR-9100-027
20.6 / p. 39 Normative	20.6(a), 20.6(b) Responsible-innovation review; evidence gap assessment; bounded-deployment plan; claim approval.	AF-PR-9100-029; AF-CL-9100-011; AF-FR-9100-030, AF-FR-9100-014, AF-FR-9100-019, AF-FR-9100-027

21 Maintenance, distribution, logistics and end-of-life services

Source and page	Condition identities / evidence focus	Implementation and record links
21.1 / p. 39 Normative	21.1(a), 21.1(b) Service capability list; new-capability review; applicable authorizations; activity-based scope.	AF-PR-9100-028; AF-CL-9100-012; AF-FR-9100-026, AF-FR-9100-024, AF-FR-9100-009, AF-FR-9100-025
21.2 / p. 39 Normative	21.2(a), 21.2(b) Maintenance package; current-data verification; handovers; parts traceability; post-maintenance verification.	AF-PR-9100-028; AF-CL-9100-012; AF-FR-9100-026, AF-FR-9100-024, AF-FR-9100-009, AF-FR-9100-025
21.3 / p. 39 Normative	21.3(a), 21.3(b) Repair basis; condition assessment; process records; remaining-life decisions; release limitations.	AF-PR-9100-028; AF-CL-9100-012; AF-FR-9100-026, AF-FR-9100-024, AF-FR-9100-009, AF-FR-9100-025
21.4 / p. 40 Normative	21.4(a), 21.4(b) Source verification; split-lot records; stock status; certificate linkage; customer delivery evidence.	AF-PR-9100-014, AF-PR-9100-028; AF-CL-9100-012; AF-FR-9100-020, AF-FR-9100-024, AF-FR-9100-006
21.5 / p. 40 Normative	21.5(a), 21.5(b) Logistics plan; custody records; excursion assessments; remote-support authorization and advice records.	AF-PR-9100-018, AF-PR-9100-028; AF-CL-9100-012; AF-FR-9100-024, AF-FR-9100-020, AF-FR-9100-026
21.6 / p. 40 Normative	21.6(a), 21.6(b) Retirement plan; material and data disposition; record-transfer arrangements; disposal verification.	AF-PR-9100-028; AF-CL-9100-012; AF-FR-9100-026, AF-FR-9100-024, AF-FR-9100-009, AF-FR-9100-025

22 Conformity evidence, independent decisions and authorized claims

Source and page	Condition identities / evidence focus	Implementation and record links
22.1 / p. 40 Normative	22.1(a), 22.1(b) Object-specific dossier; applicable requirement set; evidence index; configuration and population coverage; limitations.	AF-PR-9100-020, AF-PR-9100-034; AF-CL-9100-001; AF-FR-9100-005, AF-FR-9100-007, AF-FR-9100-025, AF-FR-9100-026
22.2 / p. 40 Normative	22.2(a), 22.2(b) Assignment matrix; competence and conflict checks; evaluation record; independent review and decision identities.	AF-PR-9100-003, AF-PR-9100-020, AF-PR-9100-034; AF-CL-9100-001; AF-FR-9100-003, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-014
22.3 / p. 41 Normative	22.3(a), 22.3(b) Evaluation plan; sample rationale; objective evidence; requirement-linked findings; assessed limitations.	AF-PR-9100-020, AF-PR-9100-031, AF-PR-9100-034; AF-CL-9100-001; AF-FR-9100-005, AF-FR-9100-007, AF-FR-9100-025, AF-FR-9100-026
22.4 / p. 41 Normative	22.4(a), 22.4(b) Requirement-by-requirement conclusion; finding closure; blocker check; reasoned and dated decision.	AF-PR-9100-020, AF-PR-9100-034; AF-CL-9100-001; AF-FR-9100-005, AF-FR-9100-007, AF-FR-9100-025, AF-FR-9100-026
22.5 / p. 41 Normative	22.5(a), 22.5(b) Approved claim text; certificate data; mark permission; actual recognition scope where claimed.	AF-PR-9100-020, AF-PR-9100-034; AF-CL-9100-001; AF-FR-9100-005, AF-FR-9100-007, AF-FR-9100-025, AF-FR-9100-026
22.6 / p. 41 Normative	22.6(a), 22.6(b) Change notifications; surveillance findings; renewal evidence; current and historical status records.	AF-PR-9100-020, AF-PR-9100-034, AF-PR-9100-035; AF-CL-9100-001; AF-FR-9100-005, AF-FR-9100-007, AF-FR-9100-025, AF-FR-9100-026
22.7 / p. 41 Normative	22.7(a), 22.7(b) Case records; independent reviewer appointment; reasoned outcomes; affected-population action and communication.	AF-PR-9100-020, AF-PR-9100-034, AF-PR-9100-036; AF-CL-9100-001; AF-FR-9100-005, AF-FR-9100-007, AF-FR-9100-025, AF-FR-9100-026
22.8 / p. 41 Normative	22.8(a), 22.8(b) Operator authority; body competence evaluation; written scope; independent decision; accurate accreditation and authorization claims.	AF-PR-9100-020, AF-PR-9100-030, AF-PR-9100-034; AF-CL-9100-001; AF-FR-9100-005, AF-FR-9100-007, AF-FR-9100-025, AF-FR-9100-026

23 Product and integrated-system assurance

Source and page	Condition identities / evidence focus	Implementation and record links
23.1 / p. 42 Normative	23.1(a), 23.1(b) Product definition; configuration baseline; family matrix; variant-difference and representativeness analyses.	AF-PR-9100-020; AF-CL-9100-014; AF-FR-9100-005, AF-FR-9100-007, AF-FR-9100-025, AF-FR-9100-026
23.2 / p. 42 Normative	23.2(a), 23.2(b) Approved product profile; characteristic-to-method matrix; qualification and acceptance distinction; unresolved-input decisions.	AF-PR-9100-020; AF-CL-9100-014; AF-FR-9100-005, AF-FR-9100-007, AF-FR-9100-025, AF-FR-9100-026
23.3 / p. 42 Normative	23.3(a), 23.3(b) Qualification dossier; test-article differences; system-interface verification; validated support assumptions.	AF-PR-9100-020; AF-CL-9100-014; AF-FR-9100-005, AF-FR-9100-007, AF-FR-9100-025, AF-FR-9100-026
23.4 / p. 42 Normative	23.4(a), 23.4(b) Unit or lot dossier; critical characteristics; sampling decision; controlled departures; final release record.	AF-PR-9100-017, AF-PR-9100-020; AF-CL-9100-014; AF-FR-9100-021, AF-FR-9100-022, AF-FR-9100-023, AF-FR-9100-025
23.5 / p. 42 Normative	23.5(a), 23.5(b) Change-impact record; evidence reuse rationale; repeated qualification; instance effectivity; updated scope.	AF-PR-9100-020; AF-CL-9100-014; AF-FR-9100-005, AF-FR-9100-007, AF-FR-9100-025, AF-FR-9100-026
23.6 / p. 43 Normative	23.6(a), 23.6(b) Approved claim and label master; mark authorization; traceable labeling records; user-information delivery.	AF-PR-9100-020; AF-CL-9100-014; AF-FR-9100-005, AF-FR-9100-007, AF-FR-9100-025, AF-FR-9100-026
23.7 / p. 43 Normative	23.7(a), 23.7(b) Field data and exposure; affected-population analysis; campaign records; verified completion; retirement and reuse decisions.	AF-PR-9100-020; AF-CL-9100-014; AF-FR-9100-005, AF-FR-9100-007, AF-FR-9100-025, AF-FR-9100-026

24 Service assurance and service continuity

Source and page	Condition identities / evidence focus	Implementation and record links
24.1 / p. 43 Normative	24.1(a), 24.1(b) Service catalog; service profile; dependency and responsibility map; controlled exclusions.	AF-PR-9100-002; AF-CL-9100-015; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
24.2 / p. 43 Normative	24.2(a), 24.2(b) Requirements and metrics; capacity assumptions; validated service design; customer-interface results.	AF-PR-9100-002; AF-CL-9100-015; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
24.3 / p. 43 Normative	24.3(a), 24.3(b) Service work package; competence and readiness checks; current inputs; handovers and escalation records.	AF-PR-9100-002; AF-CL-9100-015; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
24.4 / p. 44 Normative	24.4(a), 24.4(b) Actual outcome records; acceptance decision; metric calculations and exclusions; critical-event review.	AF-PR-9100-020; AF-CL-9100-015; AF-FR-9100-005, AF-FR-9100-007, AF-FR-9100-025, AF-FR-9100-026
24.5 / p. 44 Normative	24.5(a), 24.5(b) Digital service architecture; data and access agreements; supplier controls; recovery and integrity verification.	AF-PR-9100-002; AF-CL-9100-015; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
24.6 / p. 44 Normative	24.6(a), 24.6(b) Continuity plan; exercised recovery; qualified alternatives; affected-output analysis; customer notifications.	AF-PR-9100-026; AF-CL-9100-015; AF-FR-9100-029, AF-FR-9100-017, AF-FR-9100-006, AF-FR-9100-008
24.7 / p. 44 Normative	24.7(a), 24.7(b) Change and transition approvals; revised scope; service completion dossier; property/data handover and access closure.	AF-PR-9100-002; AF-CL-9100-015; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013

25 Process qualification, capability and controlled use

Source and page	Condition identities / evidence focus	Implementation and record links
25.1 / p. 44 Normative	25.1(a), 25.1(b) Process definition; essential-variable register; qualified family rationale; interface controls.	AF-PR-9100-016; AF-CL-9100-016; AF-FR-9100-022, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-009
25.2 / p. 44 Normative	25.2(a), 25.2(b) Qualification plan; representative results; method suitability; failed-run disposition; approved process window.	AF-PR-9100-016; AF-CL-9100-016; AF-FR-9100-022, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-009
25.3 / p. 45 Normative	25.3(a), 25.3(b) Study design; data and model assumptions; stability review; capability calculation; justified alternative evidence.	AF-PR-9100-016; AF-CL-9100-016; AF-FR-9100-022, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-009
25.4 / p. 45 Normative	25.4(a), 25.4(b) Process approval record; released instructions; authorization and limitations; ongoing acceptance controls.	AF-PR-9100-016; AF-CL-9100-016; AF-FR-9100-022, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-009
25.5 / p. 45 Normative	25.5(a), 25.5(b) Monitoring records; reaction plan; affected-population trace; technically justified disposition and restart.	AF-PR-9100-015, AF-PR-9100-016; AF-CL-9100-016; AF-FR-9100-021, AF-FR-9100-022, AF-FR-9100-024, AF-FR-9100-025
25.6 / p. 45 Normative	25.6(a), 25.6(b) Requalification trigger review; transfer readiness; retained-evidence rationale; actual receiving-site results.	AF-PR-9100-006, AF-PR-9100-016; AF-CL-9100-016; AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-021, AF-FR-9100-022
25.7 / p. 45 Normative	25.7(a), 25.7(b) Traceable process history; automated-data verification; withdrawn approval controls; preserved lifecycle evidence.	AF-PR-9100-016; AF-CL-9100-016; AF-FR-9100-022, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-009

26 Personnel competence, qualification and task authorization

Source and page	Condition identities / evidence focus	Implementation and record links
26.1 / p. 46 Normative	26.1(a), 26.1(b) Job/task analysis; role profile; required competences; relevant prerequisites and assessment methods.	AF-PR-9100-008, AF-PR-9100-033; AF-CL-9100-017; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
26.2 / p. 46 Normative	26.2(a), 26.2(b) Gap assessment; development activities; observed demonstration; competent assessor conclusion.	AF-PR-9100-008, AF-PR-9100-033; AF-CL-9100-017; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
26.3 / p. 46 Normative	26.3(a), 26.3(b) Published role profile; candidate information; validated assessment; fair-access arrangements; decision rationale.	AF-PR-9100-008, AF-PR-9100-033; AF-CL-9100-017; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
26.4 / p. 46 Normative	26.4(a), 26.4(b) Task-authorization register; scope and limitations; competence and license checks; supervision arrangements.	AF-PR-9100-008, AF-PR-9100-033; AF-CL-9100-017; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
26.5 / p. 46 Normative	26.5(a), 26.5(b) Practice and development record; performance review; reassessment; renewal and inactivity decisions.	AF-PR-9100-008, AF-PR-9100-033; AF-CL-9100-017; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
26.6 / p. 46 Normative	26.6(a), 26.6(b) Protective action; affected-work review; reassessment; reasoned restoration or withdrawal; status updates.	AF-PR-9100-008, AF-PR-9100-033; AF-CL-9100-017; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
26.7 / p. 47 Normative	26.7(a), 26.7(b) Protected competence dossier; current credential status; accurate claims; controlled access and retention.	AF-PR-9100-008, AF-PR-9100-033; AF-CL-9100-017; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031

27 Subcontractor and multi-tier delivery assurance

Source and page	Condition identities / evidence focus	Implementation and record links
27.1 / p. 47 Normative	27.1(a), 27.1(b) Performer and sub-tier map; responsibility matrix; documented delegations and retained decisions.	AF-PR-9100-013; AF-CL-9100-018; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
27.2 / p. 47 Normative	27.2(a), 27.2(b) Scope-specific supplier dossier; risk assessment; source-status conditions; verified closure and approval.	AF-PR-9100-013; AF-CL-9100-018; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
27.3 / p. 47 Normative	27.3(a), 27.3(b) Reviewed purchase scope; flow-down matrix; performer acknowledgement; resolved ambiguities.	AF-PR-9100-013; AF-CL-9100-018; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
27.4 / p. 47 Normative	27.4(a), 27.4(b) Surveillance plan; performance trends; witnessed and verification records; delegation reviews and affected-output checks.	AF-PR-9100-013; AF-CL-9100-018; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
27.5 / p. 47 Normative	27.5(a), 27.5(b) Change notices; approved sub-tier use; emergency restrictions; receiving capability and requalification.	AF-PR-9100-013; AF-CL-9100-018; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
27.6 / p. 48 Normative	27.6(a), 27.6(b) Population trace; notifications; joint corrective action; continuity and termination record; preserved evidence.	AF-PR-9100-013; AF-CL-9100-018; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022

28 Assessment-provider competence and impartial operation

Source and page	Condition identities / evidence focus	Implementation and record links
28.1 / p. 48 Normative	28.1(a), 28.1(b) Legal and governance records; resource and liability arrangements; impartiality analysis; conflict decisions.	AF-PR-9100-003, AF-PR-9100-030; AF-CL-9100-019; AF-FR-9100-003, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-014
28.2 / p. 48 Normative	28.2(a), 28.2(b) Competence criteria; witnessed assessments; role and technical-scope authorizations; performance monitoring.	AF-PR-9100-032; AF-CL-9100-019; AF-FR-9100-003, AF-FR-9100-031, AF-FR-9100-010
28.3 / p. 48 Normative	28.3(a), 28.3(b) Method and equipment records; validity checks; raw and processed results; subcontracted-evidence evaluation.	AF-PR-9100-009; AF-CL-9100-019; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023
28.4 / p. 48 Normative	28.4(a), 28.4(b) Independent review; conflict-free decision authorization; recorded rationale; actual decision date.	AF-PR-9100-002; AF-CL-9100-019; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
28.5 / p. 49 Normative	28.5(a), 28.5(b) External-personnel agreements; verified competence; technical review of external evidence; retained responsibility.	AF-PR-9100-002; AF-CL-9100-019; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
28.6 / p. 49 Normative	28.6(a), 28.6(b) Protected records; status controls; complaint and appeal outcomes; provider continuity and closure arrangements.	AF-PR-9100-002; AF-CL-9100-019; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
28.7 / p. 49 Normative	28.7(a), 28.7(b) CAB evaluation and witnessing; independent decision; exact authorized scope; accurate accreditation and recognition claims.	AF-PR-9100-002; AF-CL-9100-019; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013

Annex A — Scope and activity-based applicability matrix

Source and page	Condition identities / evidence focus	Implementation and record links
A.1 / p. 50 Normative	A.1(a), A.1(b), A.1(c) Versioned activity matrix; product/site coverage; reasons for exclusions; technical approval; review triggers.	AF-PR-9100-002; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
A.2 / p. 51 Normative	A.2(a), A.2(b) Completed matrix with each mandatory field and approved interface responsibilities.	AF-PR-9100-002; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013

Annex B — Criticality classification and assurance tailoring

Source and page	Condition identities / evidence focus	Implementation and record links
B.1 / p. 52 Normative	B.1(a), B.1(b) Classification record; hazard link; assumptions; reviewers; approval and change rationale.	AF-PR-9100-003, AF-PR-9100-004, AF-PR-9100-024; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-014
B.2 / p. 52 Normative	B.2(a), B.2(b), B.2(c) No averaging across critical failures	AF-PR-9100-003, AF-PR-9100-004, AF-PR-9100-024; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-014
B.3 / p. 53 Explanation/example	B.3(a), B.3(b) Example classification decision	AF-PR-9100-003, AF-PR-9100-004, AF-PR-9100-024; AF-PR-9100-003; AF-FR-9100-003, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-014

Annex C — Lifecycle-gate evidence and transition decisions

Source and page	Condition identities / evidence focus	Implementation and record links
C.1 / p. 54 Normative	C.1(a), C.1(b) Gate governance and evidence package	AF-PR-9100-012; AF-CL-9100-020; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023
C.2 / p. 54 Normative	C.2(a), C.2(b) Iterative and emergency development	AF-PR-9100-012; AF-CL-9100-020; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023

Annex D — Requirements, configuration and digital evidence data model

Source and page	Condition identities / evidence focus	Implementation and record links
D.1 / p. 55 Normative	D.1(a), D.1(b) Requirement-record integrity	AF-PR-9100-006, AF-PR-9100-010; AF-CL-9100-020; AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-021, AF-FR-9100-022
D.2 / p. 55 Normative	D.2(a), D.2(b) Identifiers, versioning and time	AF-PR-9100-006, AF-PR-9100-010; AF-CL-9100-020; AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-021, AF-FR-9100-022
D.3 / p. 55 Normative	D.3(a), D.3(b) Evidence provenance and tamper indication	AF-PR-9100-006, AF-PR-9100-010; AF-CL-9100-020; AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-021, AF-FR-9100-022

Annex E — Risk methods, hazard records and uncertainty

Source and page	Condition identities / evidence focus	Implementation and record links
E.1 / p. 57 Explanation/example	E.1(a), E.1(b) Choosing an analysis method	AF-PR-9100-004; AF-TR-9100-001; AF-FR-9100-014, AF-FR-9100-016, AF-FR-9100-006
E.2 / p. 57 Explanation/example	E.2(a), E.2(b) Severity-first FMEA interpretation	AF-PR-9100-004; AF-TR-9100-001; AF-FR-9100-014, AF-FR-9100-016, AF-FR-9100-006
E.3 / p. 58 Explanation/example	E.3(a), E.3(b) Probability calculations and dependence	AF-PR-9100-004; AF-TR-9100-001; AF-FR-9100-014, AF-FR-9100-016, AF-FR-9100-006
E.4 / p. 58 Explanation/example	E.4(a), E.4(b) Common-cause sensitivity example	AF-PR-9100-004; AF-TR-9100-001; AF-FR-9100-014, AF-FR-9100-016, AF-FR-9100-006
E.5 / p. 58 Explanation/example	E.5(a), E.5(b) Risk acceptance record and review	AF-PR-9100-004; AF-TR-9100-001; AF-FR-9100-014, AF-FR-9100-016, AF-FR-9100-006

Annex F — Reliability, availability and demonstration calculations

Source and page	Condition identities / evidence focus	Implementation and record links
F.1 / p. 59 Explanation/example	F.1(a), F.1(b) Exponential mission-reliability example	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
F.2 / p. 59 Explanation/example	F.2(a), F.2(b) Series and parallel systems	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
F.3 / p. 59 Explanation/example	F.3(a), F.3(b) Zero-failure binomial demonstration	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
F.4 / p. 60 Explanation/example	F.4(a), F.4(b) Time-on-test with no failures	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
F.5 / p. 60 Explanation/example	F.5(a), F.5(b) Time-on-test with observed failures	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
F.6 / p. 60 Explanation/example	F.6(a), F.6(b) Weibull life and B10 example	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
F.7 / p. 61 Explanation/example	F.7(a), F.7(b) Availability and repair boundaries	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
F.8 / p. 61 Explanation/example	F.8(a), F.8(b) Evidence checklist for reliability claims	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006

Annex G — Process capability and statistical process-control example

Source and page	Condition identities / evidence focus	Implementation and record links
G.1 / p. 62 Explanation/example	G.1(a), G.1(b) Study design and prerequisites	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
G.2 / p. 62 Explanation/example	G.2(a), G.2(b) Within-subgroup variation and chart limits	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
G.3 / p. 63 Explanation/example	G.3(a), G.3(b) Capability and performance calculations	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
G.4 / p. 64 Explanation/example	G.4(a), G.4(b) Reaction to a special-cause signal	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
G.5 / p. 64 Explanation/example	G.5(a), G.5(b) Non-normal, dependent and low-volume data	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
G.6 / p. 64 Explanation/example	G.6(a), G.6(b) Measurement-system variation example	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006

Annex H — Measurement uncertainty and conformity decision rules

Source and page	Condition identities / evidence focus	Implementation and record links
H.1 / p. 65 Explanation/example	H.1(a), H.1(b) Measurement model and components	AF-PR-9100-009; AF-TR-9100-001; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023
H.2 / p. 65 Explanation/example	H.2(a), H.2(b) Calculated combined and expanded uncertainty	AF-PR-9100-009; AF-TR-9100-001; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023
H.3 / p. 65 Explanation/example	H.3(a), H.3(b) Guard-band example	AF-PR-9100-009; AF-TR-9100-001; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023
H.4 / p. 66 Explanation/example	H.4(a), H.4(b) Correlation sensitivity	AF-PR-9100-009; AF-TR-9100-001; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023
H.5 / p. 66 Explanation/example	H.5(a), H.5(b) Decision-rule report content	AF-PR-9100-009; AF-TR-9100-001; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023

Annex I — Acceptance sampling and operating-characteristic calculations

Source and page	Condition identities / evidence focus	Implementation and record links
I.1 / p. 67 Explanation/exam ple	I.1(a), I.1(b) Define the sampling decision first	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
I.2 / p. 67 Explanation/exam ple	I.2(a), I.2(b) Plan selected from stated risk constraints	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
I.3 / p. 67 Explanation/exam ple	I.3(a), I.3(b) Finite-lot calculation	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
I.4 / p. 68 Explanation/exam ple	I.4(a), I.4(b) What zero defects in a sample means	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
I.5 / p. 68 Explanation/exam ple	I.5(a), I.5(b) Resubmission, switching and detection limitations	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006

Annex J — Supplier qualification, surveillance and flow-down package

Source and page	Condition identities / evidence focus	Implementation and record links
J.1 / p. 69 Normative	J.1(a), J.1(b) Qualification and approval decision	AF-PR-9100-013; AF-CL-9100-020; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
J.2 / p. 69 Normative	J.2(a), J.2(b), J.2(c) Minimum contractual flow-down	AF-PR-9100-013; AF-CL-9100-020; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
J.3 / p. 70 Normative	J.3(a), J.3(b) Surveillance and delegated verification	AF-PR-9100-013; AF-CL-9100-020; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
J.4 / p. 70 Explanation/exam ple	J.4(a), J.4(b) Filled illustrative supplier disposition	AF-PR-9100-013; AF-PR-9100-013; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022

Annex K — First article and production-readiness verification

Source and page	Condition identities / evidence focus	Implementation and record links
K.1 / p. 71 Normative	K.1(a), K.1(b) Planning and trigger assessment	AF-PR-9100-017; AF-CL-9100-020; AF-FR-9100-021, AF-FR-9100-022, AF-FR-9100-023, AF-FR-9100-025
K.2 / p. 71 Normative	K.2(a), K.2(b) Characteristic completion rules	AF-PR-9100-017; AF-CL-9100-020; AF-FR-9100-021, AF-FR-9100-022, AF-FR-9100-023, AF-FR-9100-025
K.3 / p. 71 Normative	K.3(a), K.3(b) Production-readiness conclusion	AF-PR-9100-017; AF-CL-9100-020; AF-FR-9100-021, AF-FR-9100-022, AF-FR-9100-023, AF-FR-9100-025

Annex L — Special-process qualification and requalification dossier

Source and page	Condition identities / evidence focus	Implementation and record links
L.1 / p. 72 Normative	L.1(a), L.1(b) Qualification strategy	AF-PR-9100-016; AF-CL-9100-020; AF-FR-9100-022, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-009
L.2 / p. 72 Normative	L.2(a), L.2(b) Excursion and production disposition	AF-PR-9100-016; AF-CL-9100-020; AF-FR-9100-022, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-009
L.3 / p. 72 Normative	L.3(a), L.3(b) Requalification triggers	AF-PR-9100-016; AF-CL-9100-020; AF-FR-9100-022, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-009
L.4 / p. 72 Explanation/example	L.4(a), L.4(b) Worked administrative example	AF-PR-9100-016; AF-PR-9100-016; AF-FR-9100-022, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-009

Annex M — Verification, environmental testing and qualification records

Source and page	Condition identities / evidence focus	Implementation and record links
M.1 / p. 73 Normative	M.1(a), M.1(b) Verification-method and acceptance planning	AF-PR-9100-019; AF-CL-9100-020; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-006
M.2 / p. 73 Normative	M.2(a), M.2(b) Anomalies, retest and evidence exclusion	AF-PR-9100-019; AF-CL-9100-020; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-006
M.3 / p. 74 Normative	M.3(a), M.3(b) Qualification by similarity and analysis	AF-PR-9100-019; AF-CL-9100-020; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-006

Annex N — Software and AI assurance cards with worked metrics

Source and page	Condition identities / evidence focus	Implementation and record links
N.1 / p. 75 Normative	N.1(a), N.1(b) Digital release card	AF-PR-9100-027; AF-CL-9100-020; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
N.2 / p. 75 Normative	N.2(a), N.2(b) AI model and dataset cards	AF-PR-9100-027; AF-CL-9100-020; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
N.3 / p. 75 Normative	N.3(a), N.3(b) Acceptance and change-control rules	AF-PR-9100-027; AF-CL-9100-020; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
N.4 / p. 76 Explanation/example	N.4(a), N.4(b) Informative confusion-matrix example	AF-PR-9100-027; AF-TR-9100-001; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
N.5 / p. 76 Explanation/example	N.5(a), N.5(b), N.5(c) Informative uncertainty and challenge-set example	AF-PR-9100-027; AF-TR-9100-001; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
N.6 / p. 76 Explanation/example	N.6(a), N.6(b) Informative release interpretation	AF-PR-9100-027; AF-TR-9100-001; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007

Annex O — Cybersecurity, update and recovery evidence pack

Source and page	Condition identities / evidence focus	Implementation and record links
O.1 / p. 77 Normative	O.1(a), O.1(b) Security evidence baseline	AF-PR-9100-026, AF-PR-9100-027; AF-CL-9100-020; AF-FR-9100-029, AF-FR-9100-017, AF-FR-9100-006, AF-FR-9100-008
O.2 / p. 77 Normative	O.2(a), O.2(b) Update release checklist	AF-PR-9100-026, AF-PR-9100-027; AF-CL-9100-020; AF-FR-9100-029, AF-FR-9100-017, AF-FR-9100-006, AF-FR-9100-008
O.3 / p. 77 Normative	O.3(a), O.3(b) Incident-to-product linkage	AF-PR-9100-026, AF-PR-9100-027; AF-CL-9100-020; AF-FR-9100-029, AF-FR-9100-017, AF-FR-9100-006, AF-FR-9100-008
O.4 / p. 77 Explanation/example	O.4(a), O.4(b) Filled illustrative recovery evaluation	AF-PR-9100-026, AF-PR-9100-027; AF-TR-9100-001; AF-FR-9100-029, AF-FR-9100-017, AF-FR-9100-006, AF-FR-9100-008

Annex P — Space mission and space-purpose mobility assurance matrix

Source and page	Condition identities / evidence focus	Implementation and record links
P.1 / p. 78 Normative	P.1(a), P.1(b) Mission assurance baseline	AF-PR-9100-012; AF-CL-9100-020; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023
P.2 / p. 79 Normative	P.2(a), P.2(b) Qualification, acceptance and mission readiness	AF-PR-9100-012; AF-CL-9100-020; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023
P.3 / p. 79 Normative	P.3(a), P.3(b) Space-purpose automotive and mobile systems	AF-PR-9100-012; AF-CL-9100-020; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023
P.4 / p. 79 Normative	P.4(a), P.4(b) End-of-life and mission-extension decision record	AF-PR-9100-012; AF-CL-9100-020; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023

Annex Q — Aviation and advanced-air-mobility assurance matrix

Source and page	Condition identities / evidence focus	Implementation and record links
Q.1 / p. 80 Normative	Q.1(a), Q.1(b) Aviation responsibility matrix	AF-PR-9100-028; AF-CL-9100-020; AF-FR-9100-026, AF-FR-9100-024, AF-FR-9100-009, AF-FR-9100-025
Q.2 / p. 80 Normative	Q.2(a), Q.2(b) Installation and modification acceptance	AF-PR-9100-028; AF-CL-9100-020; AF-FR-9100-026, AF-FR-9100-024, AF-FR-9100-009, AF-FR-9100-025
Q.3 / p. 80 Normative	Q.3(a), Q.3(b) Operational and maintenance handover	AF-PR-9100-028; AF-CL-9100-020; AF-FR-9100-026, AF-FR-9100-024, AF-FR-9100-009, AF-FR-9100-025

Annex R — Defense, maritime and mission-vehicle assurance matrix

Source and page	Condition identities / evidence focus	Implementation and record links
R.1 / p. 81 Normative	R.1(a), R.1(b) Defense program dossier	AF-PR-9100-013; AF-CL-9100-020; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
R.2 / p. 81 Normative	R.2(a), R.2(b) Mission-vehicle integration review	AF-PR-9100-013; AF-CL-9100-020; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
R.3 / p. 81 Normative	R.3(a), R.3(b) Controlled evidence access and independent review	AF-PR-9100-013; AF-CL-9100-020; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
R.4 / p. 81 Normative	R.4(a), R.4(b) Support and configuration reconciliation	AF-PR-9100-013; AF-CL-9100-020; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022

Annex S — Heavy-industry commissioning and asset-integrity matrix

Source and page	Condition identities / evidence focus	Implementation and record links
S.1 / p. 82 Normative	S.1(a), S.1(b) Asset and code basis	AF-PR-9100-007; AF-CL-9100-020; AF-FR-9100-017, AF-FR-9100-018, AF-FR-9100-029
S.2 / p. 82 Normative	S.2(a), S.2(b) Commissioning record and punch-list controls	AF-PR-9100-007; AF-CL-9100-020; AF-FR-9100-017, AF-FR-9100-018, AF-FR-9100-029
S.3 / p. 82 Normative	S.3(a), S.3(b) Integrity assessment and inspection capability	AF-PR-9100-007; AF-CL-9100-020; AF-FR-9100-017, AF-FR-9100-018, AF-FR-9100-029
S.4 / p. 82 Explanation/example	S.4(a), S.4(b) Filled illustrative commissioning disposition	AF-PR-9100-007; AF-PR-9100-007; AF-FR-9100-017, AF-FR-9100-018, AF-FR-9100-029

Annex T — Maintenance, distribution and authorized service-release records

Source and page	Condition identities / evidence focus	Implementation and record links
T.1 / p. 83 Normative	T.1(a), T.1(b) Service capability record	AF-PR-9100-028; AF-CL-9100-020; AF-FR-9100-026, AF-FR-9100-024, AF-FR-9100-009, AF-FR-9100-025
T.2 / p. 83 Normative	T.2(a), T.2(b) Unknown history and unauthorized parts	AF-PR-9100-028; AF-CL-9100-020; AF-FR-9100-026, AF-FR-9100-024, AF-FR-9100-009, AF-FR-9100-025
T.3 / p. 83 Explanation/example	T.3(a), T.3(b) Filled illustrative split-lot trace	AF-PR-9100-028; AF-PR-9100-028; AF-FR-9100-026, AF-FR-9100-024, AF-FR-9100-009, AF-FR-9100-025
T.4 / p. 84 Normative	T.4(a), T.4(b) Release and continuing support	AF-PR-9100-028; AF-CL-9100-020; AF-FR-9100-026, AF-FR-9100-024, AF-FR-9100-009, AF-FR-9100-025

Annex U — Lifecycle inventory, resource efficiency and quantitative claims

Source and page	Condition identities / evidence focus	Implementation and record links
U.1 / p. 85 Explanation/example	U.1(a), U.1(b) Boundary and functional unit	AF-PR-9100-029; AF-TR-9100-001; AF-FR-9100-030, AF-FR-9100-014, AF-FR-9100-019, AF-FR-9100-027
U.2 / p. 85 Explanation/example	U.2(a), U.2(b) Uncertainty propagation example	AF-PR-9100-029; AF-TR-9100-001; AF-FR-9100-030, AF-FR-9100-014, AF-FR-9100-019, AF-FR-9100-027
U.3 / p. 85 Explanation/example	U.3(a), U.3(b) Improvement scenario and honest comparison	AF-PR-9100-029; AF-TR-9100-001; AF-FR-9100-030, AF-FR-9100-014, AF-FR-9100-019, AF-FR-9100-027
U.4 / p. 86 Explanation/example	U.4(a), U.4(b) Resource efficiency and circularity measures	AF-PR-9100-029; AF-TR-9100-001; AF-FR-9100-030, AF-FR-9100-014, AF-FR-9100-019, AF-FR-9100-027

Annex V — Assessment method and complete main-clause evidence index

Source and page	Condition identities / evidence focus	Implementation and record links
V.1 / p. 87 Normative	V.1(a), V.1(b), V.1(c) Scope and route; approved plan; sample rationale; combined evidence; actual limits and access.	AF-PR-9100-023, AF-PR-9100-031; AF-CL-9100-020; AF-FR-9100-004, AF-FR-9100-006, AF-FR-9100-028
V.2 / p. 87 Normative	V.2(a), V.2(b) Requirement-level findings; classification; technical holds; evaluated applicability; clear conclusion. For Annex N, only N.1-N.3 and their required record tables are normative; the numerical worked examples are informative. For Annex AJ, required record fields and controls are normative, while filled sample values are informative.	AF-PR-9100-023, AF-PR-9100-031; AF-CL-9100-020; AF-FR-9100-004, AF-FR-9100-006, AF-FR-9100-028
V.3 / p. 95 Normative	V.3(a), V.3(b) Complete backward/forward trail; consistency checks; expanded samples; evaluated population limitations.	AF-PR-9100-023, AF-PR-9100-031; AF-CL-9100-020; AF-FR-9100-004, AF-FR-9100-006, AF-FR-9100-028

Annex W — Nonconformity and corrective-action record with completed example

Source and page	Condition identities / evidence focus	Implementation and record links
W.1 / p. 96 Normative	W.1(a), W.1(b) Required corrective-action sequence	AF-PR-9100-021; AF-CL-9100-020; AF-FR-9100-006, AF-FR-9100-014, AF-FR-9100-027, AF-FR-9100-028
W.2 / p. 96 Explanation/example	W.2(a), W.2(b) Completed synthetic case — measurement offset	AF-PR-9100-021; AF-PR-9100-021; AF-FR-9100-006, AF-FR-9100-014, AF-FR-9100-027, AF-FR-9100-028
W.3 / p. 97 Normative	W.3(a), W.3(b) Recurrence and ineffective action	AF-PR-9100-021; AF-CL-9100-020; AF-FR-9100-006, AF-FR-9100-014, AF-FR-9100-027, AF-FR-9100-028

Annex X — Implementation, transition and continual-assurance roadmap

Source and page	Condition identities / evidence focus	Implementation and record links
X.1 / p. 98 Explanation/example	X.1(a), X.1(b) Scope-led implementation	AF-PR-9100-025; AF-IG-9100-001; AF-FR-9100-031, AF-FR-9100-028, AF-FR-9100-032
X.2 / p. 98 Explanation/example	X.2(a), X.2(b) Representative deployment and feedback	AF-PR-9100-025; AF-IG-9100-001; AF-FR-9100-031, AF-FR-9100-028, AF-FR-9100-032
X.3 / p. 98 Explanation/example	X.3(a), X.3(b) Transition without loss of control	AF-PR-9100-025; AF-IG-9100-001; AF-FR-9100-031, AF-FR-9100-028, AF-FR-9100-032
X.4 / p. 98 Explanation/example	X.4(a), X.4(b) Readiness measures without score substitution	AF-PR-9100-025; AF-IG-9100-001; AF-FR-9100-031, AF-FR-9100-028, AF-FR-9100-032

Annex Y — AF interpretation, amendment and publication control

Source and page	Condition identities / evidence focus	Implementation and record links
Y.1 / p. 99 Normative	Y.1(a), Y.1(b), Y.1(c) Publication master; edition metadata; controlled copies; accurate extracts and recognition statements.	AF-PR-9100-001; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-015, AF-FR-9100-032
Y.2 / p. 99 Normative	Y.2(a), Y.2(b), Y.2(c) Interpretation request; technical review; controlled response; implementation-impact record.	AF-PR-9100-001; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-015, AF-FR-9100-032
Y.3 / p. 99 Normative	Y.3(a), Y.3(b), Y.3(c) Correction/amendment record; technical and consistency reviews; comment log and dispositions; actual adoption and effectivity.	AF-PR-9100-001; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-015, AF-FR-9100-032
Y.4 / p. 99 Normative	Y.4(a), Y.4(b), Y.4(c) Numbering and correspondence register; translation review; technical layout verification; controlled accessible copies.	AF-PR-9100-001; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-015, AF-FR-9100-032
Y.5 / p. 99 Normative	Y.5(a), Y.5(b), Y.5(c) Actual permissions; mark controls; evidenced recognition claims; corrected misleading statements.	AF-PR-9100-001; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-015, AF-FR-9100-032
Y.6 / p. 100 Normative	Y.6(a), Y.6(b) Review program; technical feedback; controlled maintenance log; actual effective versions.	AF-PR-9100-001; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-015, AF-FR-9100-032

Annex Z — Metric dictionary, engineering budgets and integrated worked case

Source and page	Condition identities / evidence focus	Implementation and record links
Z.1 / p. 101 Explanation/example	Z.1(a), Z.1(b) Metric definitions and numerical examples	AF-PR-9100-005, AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-013, AF-FR-9100-027, AF-FR-9100-028
Z.2 / p. 101 Explanation/example	Z.2(a), Z.2(b) Margin definitions and reserve double counting	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
Z.3 / p. 101 Explanation/example	Z.3(a), Z.3(b) Mission-support energy example	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
Z.4 / p. 102 Explanation/example	Z.4(a), Z.4(b) Generic structural-margin arithmetic	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
Z.5 / p. 102 Explanation/example	Z.5(a), Z.5(b), Z.5(c) Integrated ground-support case and release decision	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
Z.6 / p. 102 Explanation/example	Z.6(a), Z.6(b) Calculation reproducibility and verification limits	AF-PR-9100-022; AF-TR-9100-001; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006

Annex AA — Assessment scheme architecture and object-specific conformity routes

Source and page	Condition identities / evidence focus	Implementation and record links
AA.1 / p. 103 Normative	AA.1(a), AA.1(b) Application review; selected routes; completed scope tuple; responsibility and applicability matrix.	AF-PR-9100-002, AF-PR-9100-030; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
AA.2 / p. 103 Normative	AA.2(a), AA.2(b), AA.2(c) Approved profile with technical criteria; method and decision matrix; critical-failure list; profile change history.	AF-PR-9100-002, AF-PR-9100-030; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
AA.3 / p. 104 Normative	AA.3(a), AA.3(b), AA.3(c) Admission decision; contract; approved evaluation plan; readiness evidence; evaluation results and independent review.	AF-PR-9100-030, AF-PR-9100-031; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-003, AF-FR-9100-004, AF-FR-9100-032
AA.4 / p. 104 Normative	AA.4(a), AA.4(b), AA.4(c) Route-specific results; representative work; witnessed evidence; limits of reused or sample evidence.	AF-PR-9100-030; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-003, AF-FR-9100-004, AF-FR-9100-032
AA.5 / p. 104 Normative	AA.5(a), AA.5(b), AA.5(c) Independent review checklist; reasoned decision; finding closure; precise scope and actual decision date.	AF-PR-9100-034; AF-CL-9100-020; AF-FR-9100-007, AF-FR-9100-005, AF-FR-9100-006, AF-FR-9100-008, AF-FR-9100-032
AA.6 / p. 104 Normative	AA.6(a), AA.6(b), AA.6(c) Issued statement; separate route conclusions; mark permission; status record; accurate self-declaration labeling.	AF-PR-9100-034; AF-CL-9100-020; AF-FR-9100-007, AF-FR-9100-005, AF-FR-9100-006, AF-FR-9100-008, AF-FR-9100-032
AA.7 / p. 105 Normative	AA.7(a), AA.7(b) Scheme governance; actual written operator authorization; authorized scope; controlled changes.	AF-PR-9100-030; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-003, AF-FR-9100-004, AF-FR-9100-032
AA.8 / p. 105 Explanation/example	AA.8(a), AA.8(b) Illustrative combined-scope example	AF-PR-9100-030; AF-PR-9100-030; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-003, AF-FR-9100-004, AF-FR-9100-032

Annex AB — Auditor, technical expert, reviewer and decision-maker competence

Source and page	Condition identities / evidence focus	Implementation and record links
AB.1 / p. 106 Normative	AB.1(a), AB.1(b), AB.1(c) Role competence profiles; sector and method criteria; authorization limits; assigned technical coverage.	AF-PR-9100-008, AF-PR-9100-023, AF-PR-9100-032; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
AB.2 / p. 106 Normative	AB.2(a), AB.2(b), AB.2(c) Examination blueprint; secured questions; scores; essential-step results; practical observations; authorization decision.	AF-PR-9100-008, AF-PR-9100-023, AF-PR-9100-032, AF-PR-9100-033; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
AB.3 / p. 107 Normative	AB.3(a), AB.3(b), AB.3(c) Verified experience log; equivalence matrix; independent panel competence; witnessed demonstration; remaining restrictions.	AF-PR-9100-008, AF-PR-9100-023, AF-PR-9100-032; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
AB.4 / p. 107 Normative	AB.4(a), AB.4(b), AB.4(c) Assignment review; team coverage matrix; specialist work record; access and conflict checks; disagreement resolution.	AF-PR-9100-008, AF-PR-9100-023, AF-PR-9100-032; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
AB.5 / p. 107 Normative	AB.5(a), AB.5(b), AB.5(c) Conflict declarations; prior-work screening; compensation controls; reassignment decisions; internal independence arrangements.	AF-PR-9100-008, AF-PR-9100-023, AF-PR-9100-032; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
AB.6 / p. 107 Normative	AB.6(a), AB.6(b), AB.6(c) Development and activity logs; witnessed reviews; report-quality checks; ongoing role authorizations.	AF-PR-9100-008, AF-PR-9100-023, AF-PR-9100-032; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
AB.7 / p. 107 Normative	AB.7(a), AB.7(b), AB.7(c) Restriction and inactivity records; reactivation plan; witnessed results; prior-work assessment; restored scope.	AF-PR-9100-008, AF-PR-9100-023, AF-PR-9100-032, AF-PR-9100-035; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
AB.8 / p. 108 Normative	AB.8(a), AB.8(b) Complete competence dossier; role and scope register; approval identity; current and historical restrictions.	AF-PR-9100-008, AF-PR-9100-023, AF-PR-9100-032; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031

Annex AC — Audit planning, audit time, multisite coverage and remote methods

Source and page	Condition identities / evidence focus	Implementation and record links
AC.1 / p. 109 Normative	AC.1(a), AC.1(b), AC.1(c) Scope and staffing basis; FTE calculation; sites and shifts; critical-role coverage; planning rationale.	AF-PR-9100-031; AF-CL-9100-020; AF-FR-9100-004, AF-FR-9100-003, AF-FR-9100-005, AF-FR-9100-028
AC.2 / p. 109 Normative	AC.2(a), AC.2(b), AC.2(c) Criticality selection; triggered complexity factors; site and shift additions; additional-resource decisions.	AF-PR-9100-031; AF-CL-9100-020; AF-FR-9100-004, AF-FR-9100-003, AF-FR-9100-005, AF-FR-9100-028
AC.3 / p. 109 Normative	AC.3(a), AC.3(b), AC.3(c) Time calculation; stage allocation; site/shift schedule; productive-time records; separate review and decision resources.	AF-PR-9100-031; AF-CL-9100-020; AF-FR-9100-004, AF-FR-9100-003, AF-FR-9100-005, AF-FR-9100-028
AC.4 / p. 110 Normative	AC.4(a), AC.4(b), AC.4(c) Current T calculation; surveillance and renewal schedules; required-site coverage; added follow-up time.	AF-PR-9100-031; AF-CL-9100-020; AF-FR-9100-004, AF-FR-9100-003, AF-FR-9100-005, AF-FR-9100-028
AC.5 / p. 110 Normative	AC.5(a), AC.5(b), AC.5(c), AC.5(d) Eligibility analysis; site pool; random and risk selection; rotation history; expanded sampling and systemic review.	AF-PR-9100-031; AF-CL-9100-020; AF-FR-9100-004, AF-FR-9100-003, AF-FR-9100-005, AF-FR-9100-028
AC.6 / p. 110 Normative	AC.6(a), AC.6(b), AC.6(c) Remote-method suitability review; authorized access; witnessed records; limitations and completed supplementary work.	AF-PR-9100-031; AF-CL-9100-020; AF-FR-9100-004, AF-FR-9100-003, AF-FR-9100-005, AF-FR-9100-028
AC.7 / p. 110 Normative	AC.7(a), AC.7(b), AC.7(c) Audit plan; time log; evidence and sample trails; expanded checks; final report and separate decision.	AF-PR-9100-031; AF-CL-9100-020; AF-FR-9100-004, AF-FR-9100-003, AF-FR-9100-005, AF-FR-9100-028
AC.8 / p. 111 Explanation/example	AC.8(a), AC.8(b), AC.8(c) Worked time and sampling examples — illustrative	AF-PR-9100-031; AF-TR-9100-001; AF-FR-9100-004, AF-FR-9100-003, AF-FR-9100-005, AF-FR-9100-028

Annex AD — Conformity decision rules, findings and release controls

Source and page	Condition identities / evidence focus	Implementation and record links
AD.1 / p. 112 Normative	AD.1(a), AD.1(b), AD.1(c) Pre-agreed decision basis; complete criterion register; blocker review; concession and release distinctions.	AF-PR-9100-009, AF-PR-9100-020, AF-PR-9100-034; AF-CL-9100-020; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023
AD.2 / p. 112 Normative	AD.2(a), AD.2(b), AD.2(c) Measurement model; corrections; uncertainty budget; specification and acceptance limits; recorded rule and precision.	AF-PR-9100-009, AF-PR-9100-020, AF-PR-9100-034; AF-CL-9100-020; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023
AD.3 / p. 112 Normative	AD.3(a), AD.3(b), AD.3(c) Declared DR-A application; actual result and coverage endpoints; criterion-by-criterion disposition; independent alternative approval where used.	AF-PR-9100-009, AF-PR-9100-020, AF-PR-9100-034; AF-CL-9100-020; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023
AD.4 / p. 112 Normative	AD.4(a), AD.4(b) Prior agreement; uncertainty and risk review; scope and criticality; clearly disclosed acceptance rule.	AF-PR-9100-009, AF-PR-9100-020, AF-PR-9100-034; AF-CL-9100-020; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023
AD.5 / p. 113 Normative	AD.5(a), AD.5(b), AD.5(c) Alternative-rule model; risk constraints; validation and sensitivity; independent approvals; application limits.	AF-PR-9100-009, AF-PR-9100-020, AF-PR-9100-034; AF-CL-9100-020; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023
AD.6 / p. 113 Normative	AD.6(a), AD.6(b), AD.6(c) Hold and disposition record; repeat-test plan; retained original results; cumulative-risk review.	AF-PR-9100-009, AF-PR-9100-020, AF-PR-9100-034; AF-CL-9100-020; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023
AD.7 / p. 113 Normative	AD.7(a), AD.7(b) Requirement-evidence-gap statement; classification rationale; systemic extent; immediate technical action.	AF-PR-9100-009, AF-PR-9100-020, AF-PR-9100-021, AF-PR-9100-034; AF-CL-9100-020; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023
AD.8 / p. 114 Normative	AD.8(a), AD.8(b), AD.8(c), AD.8(d) Independent grant or continuation decision; closed findings; real scope boundaries; verified corrections and corrective action.	AF-PR-9100-009, AF-PR-9100-020, AF-PR-9100-021, AF-PR-9100-034; AF-CL-9100-020; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023
AD.9 / p. 114 Normative	AD.9(a), AD.9(b) Complete decision record; documented dissent; accountable signatory; preserved history and appeal disposition.	AF-PR-9100-009, AF-PR-9100-020, AF-PR-9100-034; AF-CL-9100-020; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023

Annex AE — Personnel assessment, examinations and task authorization

Source and page	Condition identities / evidence focus	Implementation and record links
AE.1 / p. 115 Normative	AE.1(a), AE.1(b), AE.1(c) Approved job/task analysis; competence profile; technical and legal boundaries; essential-step list.	AF-PR-9100-008, AF-PR-9100-033; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
AE.2 / p. 115 Normative	AE.2(a), AE.2(b), AE.2(c) Identity and eligibility verification; candidate information; fair-access review; justified prerequisites.	AF-PR-9100-008, AF-PR-9100-033; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
AE.3 / p. 115 Normative	AE.3(a), AE.3(b), AE.3(c) Blueprint; controlled examination; item and scoring review; practical task design; simulation validity.	AF-PR-9100-008, AF-PR-9100-033; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
AE.4 / p. 116 Normative	AE.4(a), AE.4(b), AE.4(c) Component scores; all essential-step results; independent borderline review; reasoned pass or fail.	AF-PR-9100-008, AF-PR-9100-033; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
AE.5 / p. 116 Normative	AE.5(a), AE.5(b), AE.5(c) Examiner competence; independent decision; secure examination records; conflict and scoring validation.	AF-PR-9100-008, AF-PR-9100-033; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
AE.6 / p. 116 Normative	AE.6(a), AE.6(b), AE.6(c) Candidate feedback; remediation evidence; equivalent reassessment; preserved attempt history.	AF-PR-9100-008, AF-PR-9100-033; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
AE.7 / p. 116 Normative	AE.7(a), AE.7(b), AE.7(c) Credential; employer task authorization; role and scope limits; change and transfer verification.	AF-PR-9100-008, AF-PR-9100-033; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
AE.8 / p. 116 Normative	AE.8(a), AE.8(b), AE.8(c), AE.8(d) Practice and development log; inactivity decision; observed essential-skill demonstration; knowledge update; renewal decision.	AF-PR-9100-008, AF-PR-9100-033, AF-PR-9100-035; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
AE.9 / p. 117 Normative	AE.9(a), AE.9(b) Protected dossier; restriction and restoration evidence; current status; permitted verification information.	AF-PR-9100-008, AF-PR-9100-033; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
AE.10 / p. 117 Explanation/exam ple	AE.10(a), AE.10(b) Completed illustrative personnel case	AF-PR-9100-008, AF-PR-9100-033; AF-PR-9100-008; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031

Annex AF — Subcontracting, outsourced work and flow-down control package

Source and page	Condition identities / evidence focus	Implementation and record links
AF.1 / p. 118 Normative	AF.1(a), AF.1(b) Approved work package; performer identity; technical baseline; retained decision authority; resolved commercial/technical conflicts.	AF-PR-9100-013; AF-CL-9100-020; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
AF.2 / p. 118 Normative	AF.2(a), AF.2(b) Source status; conditional-work restrictions; verified certificates; completed technical approval.	AF-PR-9100-013; AF-CL-9100-020; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
AF.3 / p. 119 Normative	AF.3(a), AF.3(b) Critical sub-tier map; flow-down acknowledgement; representative checks; prior change decisions.	AF-PR-9100-013; AF-CL-9100-020; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
AF.4 / p. 119 Normative	AF.4(a), AF.4(b) Personnel suitability; task induction and authorization; reviewed technical service outputs; correction obligations.	AF-PR-9100-013; AF-CL-9100-020; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
AF.5 / p. 119 Normative	AF.5(a), AF.5(b) Technical provider review; method and range suitability; sample/data chain; digital continuity and exit agreements.	AF-PR-9100-013; AF-CL-9100-020; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
AF.6 / p. 119 Normative	AF.6(a), AF.6(b) Notification and acknowledgement; downstream trace; joint cause analysis; separate product and system closure.	AF-PR-9100-013; AF-CL-9100-020; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
AF.7 / p. 119 Normative	AF.7(a), AF.7(b) Exit and transfer plan; complete source-to-output trace; verified receiving capability; controlled unresolved issues.	AF-PR-9100-013; AF-CL-9100-020; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022

Annex AG — Surveillance, renewal, status and mandatory time limits

Source and page	Condition identities / evidence focus	Implementation and record links
AG.1 / p. 120 Normative	AG.1(a), AG.1(b) Time basis; notification timestamps; decision, issue and expiry dates; preserved amendments.	AF-PR-9100-035; AF-CL-9100-020; AF-FR-9100-008, AF-FR-9100-006, AF-FR-9100-009, AF-FR-9100-010, AF-FR-9100-032
AG.2 / p. 121 Normative	AG.2(a), AG.2(b), AG.2(c) Ongoing/instance classification; appropriate expiry or event boundary; monitored conditions; linked technical limits.	AF-PR-9100-035; AF-CL-9100-020; AF-FR-9100-008, AF-FR-9100-006, AF-FR-9100-009, AF-FR-9100-010, AF-FR-9100-032
AG.3 / p. 121 Normative	AG.3(a), AG.3(b), AG.3(c) Risk-based surveillance plan; completed evidence; missed-deadline decisions; special evaluations and restoration checks.	AF-PR-9100-035; AF-CL-9100-020; AF-FR-9100-008, AF-FR-9100-006, AF-FR-9100-009, AF-FR-9100-010, AF-FR-9100-032
AG.4 / p. 121 Normative	AG.4(a), AG.4(b), AG.4(c) Correction and cause evidence; verified effectiveness; original due dates; overdue status decisions.	AF-PR-9100-021, AF-PR-9100-035; AF-CL-9100-020; AF-FR-9100-006, AF-FR-9100-014, AF-FR-9100-027, AF-FR-9100-028
AG.5 / p. 121 Normative	AG.5(a), AG.5(b), AG.5(c) Reasoned status decisions; required action; verified restoration; unaffected-scope analysis; complete history.	AF-PR-9100-035; AF-CL-9100-020; AF-FR-9100-008, AF-FR-9100-006, AF-FR-9100-009, AF-FR-9100-010, AF-FR-9100-032
AG.6 / p. 121 Normative	AG.6(a), AG.6(b), AG.6(c) Renewal plan; complete evaluation; closed findings; actual decision dates; disclosed gaps.	AF-PR-9100-035; AF-CL-9100-020; AF-FR-9100-008, AF-FR-9100-006, AF-FR-9100-009, AF-FR-9100-010, AF-FR-9100-032
AG.7 / p. 122 Normative	AG.7(a), AG.7(b), AG.7(c) Scope-change evaluation; transfer review; unresolved findings; provider closure and holder notification.	AF-PR-9100-035; AF-CL-9100-020; AF-FR-9100-008, AF-FR-9100-006, AF-FR-9100-009, AF-FR-9100-010, AF-FR-9100-032
AG.8 / p. 122 Normative	AG.8(a), AG.8(b), AG.8(c) Current and historical register; privacy controls; justified retention; tested retrieval and continuity.	AF-PR-9100-035; AF-CL-9100-020; AF-FR-9100-008, AF-FR-9100-006, AF-FR-9100-009, AF-FR-9100-010, AF-FR-9100-032

Annex AH — Assessment-body, laboratory and competence- attestation controls

Source and page	Condition identities / evidence focus	Implementation and record links
AH.1 / p. 123 Normative	AH.1(a), AH.1(b), AH.1(c) Legal and governance records; declared activity scope; resources; liability arrangements; accurate service terms.	AF-PR-9100-030; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-003, AF-FR-9100-004, AF-FR-9100-032
AH.2 / p. 123 Normative	AH.2(a), AH.2(b), AH.2(c) Impartiality-risk register; oversight decisions; related-activity controls; declared relationships and assignment refusals.	AF-PR-9100-003; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-014
AH.3 / p. 123 Normative	AH.3(a), AH.3(b), AH.3(c) Detailed scope schedule; function-specific competence; technical authorizations; change evaluation.	AF-PR-9100-030; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-003, AF-FR-9100-004, AF-FR-9100-032
AH.4 / p. 123 Normative	AH.4(a), AH.4(b), AH.4(c) Method validation/verification; measurement traceability; equipment status; uncertainty and detection capability; previous-result impact reviews.	AF-PR-9100-009, AF-PR-9100-019; AF-CL-9100-020; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023
AH.5 / p. 124 Normative	AH.5(a), AH.5(b), AH.5(c) Sample and custody records; raw data; validity-monitoring program; comparison results; verified data processing; corrected reports.	AF-PR-9100-019; AF-CL-9100-020; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-006
AH.6 / p. 124 Normative	AH.6(a), AH.6(b), AH.6(c) Inspection and certification methods; stated limitations; outsourced-work review; independent decisions; complete result population.	AF-PR-9100-030; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-003, AF-FR-9100-004, AF-FR-9100-032
AH.7 / p. 124 Normative	AH.7(a), AH.7(b), AH.7(c) CAB application dossier; detailed scope; on-site and witnessed evaluation; complete case trails; verified closure.	AF-PR-9100-030; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-003, AF-FR-9100-004, AF-FR-9100-032
AH.8 / p. 125 Normative	AH.8(a), AH.8(b), AH.8(c) Independent decision authority; completed evaluation; exact written CAB scope; accurate accreditation and recognition statements.	AF-PR-9100-034; AF-CL-9100-020; AF-FR-9100-007, AF-FR-9100-005, AF-FR-9100-006, AF-FR-9100-008, AF-FR-9100-032
AH.9 / p. 125 Normative	AH.9(a), AH.9(b) Technical surveillance; witnessed competence; adverse-result action; report corrections; closure and record-transfer arrangements.	AF-PR-9100-035; AF-CL-9100-020; AF-FR-9100-008, AF-FR-9100-006, AF-FR-9100-009, AF-FR-9100-010, AF-FR-9100-032

Annex AI — Complaints, appeals, impartial review and case administration

Source and page	Condition identities / evidence focus	Implementation and record links
AI.1 / p. 126 Normative	AI.1(a), AI.1(b) Published intake procedure; case identity; issue classification; confidentiality and non-retaliation controls.	AF-PR-9100-036; AF-CL-9100-020; AF-FR-9100-011, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-008
AI.2 / p. 126 Normative	AI.2(a), AI.2(b) Acknowledgement; triage; protective actions; evidence preservation; conflict and privacy review.	AF-PR-9100-036; AF-CL-9100-020; AF-FR-9100-011, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-008
AI.3 / p. 126 Normative	AI.3(a), AI.3(b), AI.3(c) Admissibility decision; independent appointment; technical competence; conflicts; participation boundaries.	AF-PR-9100-036; AF-CL-9100-020; AF-FR-9100-011, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-008
AI.4 / p. 126 Normative	AI.4(a), AI.4(b), AI.4(c) Investigation plan; complete evidence record; party submissions; independent technical analysis; distinction of original and later facts.	AF-PR-9100-036; AF-CL-9100-020; AF-FR-9100-011, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-008
AI.5 / p. 126 Normative	AI.5(a), AI.5(b), AI.5(c) Reasoned determination; documented extensions; timely progress; communicated status and review route.	AF-PR-9100-036; AF-CL-9100-020; AF-FR-9100-011, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-008
AI.6 / p. 127 Normative	AI.6(a), AI.6(b), AI.6(c) Interim status decisions; affected-population analysis; systemic corrective action; accurate public correction.	AF-PR-9100-036; AF-CL-9100-020; AF-FR-9100-011, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-008
AI.7 / p. 127 Normative	AI.7(a), AI.7(b) Complete case dossier; trend and impartiality oversight; preserved original and revised decision history.	AF-PR-9100-036; AF-CL-9100-020; AF-FR-9100-011, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-008

Annex AJ — Controlled forms, record dictionary and consistency matrix

Source and page	Condition identities / evidence focus	Implementation and record links
AJ.1 / p. 128 Normative	AJ.1(a), AJ.1(b) Controlled form register; attributable approvals; version and status history; accessible evidence relationships.	AF-PR-9100-001; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-015, AF-FR-9100-032
AJ.2 / p. 129 Normative	AJ.2(a), AJ.2(b) Controlled status dictionary; evidence-purpose linkage; approved applicability; attributable state changes.	AF-PR-9100-010, AF-PR-9100-034; AF-CL-9100-020; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-032
AJ.3 / p. 129 Explanation/example	AJ.3(a) Completed illustrative profile record	AF-PR-9100-010; AF-HB-9100-003; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-032
AJ.4 / p. 129 Explanation/example	AJ.4(a) Completed illustrative assessment and decision record	AF-PR-9100-010; AF-HB-9100-003; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-032
AJ.5 / p. 130 Explanation/example	AJ.5(a) Completed illustrative personnel and supplier records	AF-PR-9100-010; AF-HB-9100-003; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-032
AJ.6 / p. 130 Normative	AJ.6(a), AJ.6(b) Consistency review; identified conflicts; impact assessment; approved corrections; preserved historical decisions.	AF-PR-9100-010; AF-CL-9100-020; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-032
AJ.7 / p. 131 Normative	AJ.7(a), AJ.7(b) Workflow validation; prohibited-case tests; attributable approvals; complete exports; relationship and recovery verification.	AF-PR-9100-001, AF-PR-9100-010; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-015, AF-FR-9100-032

3 Full source-table inventory and required payload mapping

Source table / pages	Title and scope	Companion implementation
0-1 / 8	The AF assurance chain 5 source rows. Source example, definition or completeness index	AF-PR-9100-002; AF-TR-9100-001 / unchanged source; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
3-1 / 11, 12, 13	Core terms 53 source rows. Source example, definition or completeness index	AF-PR-9100-002; AF-TR-9100-001 / unchanged source; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
3-2 / 13, 14	Abbreviations 19 source rows. Source example, definition or completeness index	AF-PR-9100-002; AF-TR-9100-001 / unchanged source; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
A-1 / 50, 51	Module selection rules 24 source rows. Normative structure	AF-PR-9100-002; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
A-2 / 51	Illustrative scope decisions, not actual AF approvals 5 source rows. Source example, definition or completeness index	AF-PR-9100-002; AF-TR-9100-001 / unchanged source; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
B-1 / 52	AF consequence categories 4 source rows. Normative structure	AF-PR-9100-003; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-014
B-2 / 52	Tailoring dimensions 8 source rows. Normative structure	AF-PR-9100-003; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-006, AF-FR-9100-007, AF-FR-9100-014
C-1 / 54	Lifecycle transition requirements 10 source rows. Normative structure	AF-PR-9100-012; AF-CL-9100-020; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023
C-2 / 54	Minimum gate-decision record 7 source rows. Normative structure	AF-PR-9100-012; AF-CL-9100-020; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023
D-1 / 55	Required lifecycle data entities 10 source rows. Normative structure	AF-PR-9100-006; AF-CL-9100-020; AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-021, AF-FR-9100-022
D-2 / 55, 56	Filled illustrative trace chain 6 source rows. Source example, definition or completeness index	AF-PR-9100-006; AF-TR-9100-001 / unchanged source; AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-021, AF-FR-9100-022
E-1 / 57	Minimum useful hazard-log content 9 source rows. Source example, definition or completeness index	AF-PR-9100-004; AF-TR-9100-001 / unchanged source; AF-FR-9100-014, AF-FR-9100-016, AF-FR-9100-006
E-2 / 57	Filled illustrative FMEA extract 4 source rows. Source example, definition or completeness index	AF-PR-9100-004; AF-TR-9100-001 / unchanged source; AF-FR-9100-014, AF-FR-9100-016, AF-FR-9100-006
F-1 / 60	Calculated zero-failure sample sizes at 95% confidence 5 source rows. Source example, definition or completeness index	AF-PR-9100-022; AF-TR-9100-001 / unchanged source; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006

Source table / pages	Title and scope	Companion implementation
G-1 / 62	Synthetic baseline subgroup observations, all values in mm 25 source rows. Source example, definition or completeness index	AF-PR-9100-022; AF-TR-9100-001 / unchanged source; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
H-1 / 65	Synthetic uncertainty budget 4 source rows. Source example, definition or completeness index	AF-PR-9100-009; AF-TR-9100-001 / unchanged source; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023
I-1 / 67	Comparison of two synthetic sampling plans 2 source rows. Source example, definition or completeness index	AF-PR-9100-022; AF-TR-9100-001 / unchanged source; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
J-1 / 69	Supplier qualification dossier 10 source rows. Normative structure	AF-PR-9100-013; AF-CL-9100-020; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
J-2 / 69, 70	Purchasing and flow-down content 12 source rows. Normative structure	AF-PR-9100-013; AF-CL-9100-020; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
K-1 / 71	Required first article record sections 7 source rows. Normative structure	AF-PR-9100-017; AF-CL-9100-020; AF-FR-9100-021, AF-FR-9100-022, AF-FR-9100-023, AF-FR-9100-025
K-2 / 71	Filled synthetic characteristic-accountability extract 6 source rows. Source example, definition or completeness index	AF-PR-9100-017; AF-TR-9100-001 / unchanged source; AF-FR-9100-021, AF-FR-9100-022, AF-FR-9100-023, AF-FR-9100-025
L-1 / 72	Qualification dossier contents 10 source rows. Normative structure	AF-PR-9100-016; AF-CL-9100-020; AF-FR-9100-022, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-009
M-1 / 73	Test-plan and report data requirements 10 source rows. Normative structure	AF-PR-9100-019; AF-CL-9100-020; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-006
M-2 / 73	Qualification-domain matrix 8 source rows. Normative structure	AF-PR-9100-019; AF-CL-9100-020; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023, AF-FR-9100-006
N-1 / 75	Software and programmable-hardware release card 9 source rows. Normative structure	AF-PR-9100-027; AF-CL-9100-020; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
N-2 / 75	AI-specific evidence card 8 source rows. Normative structure	AF-PR-9100-027; AF-CL-9100-020; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
N-3 / 76	Synthetic confusion matrix 3 source rows. Source example, definition or completeness index	AF-PR-9100-027; AF-TR-9100-001 / unchanged source; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-005, AF-FR-9100-007
O-1 / 77	Required security and integrity records 10 source rows. Normative structure	AF-PR-9100-026; AF-CL-9100-020; AF-FR-9100-029, AF-FR-9100-017, AF-FR-9100-006, AF-FR-9100-008
P-1 / 78, 79	Space assurance evidence matrix 16 source rows. Normative structure	AF-PR-9100-012; AF-CL-9100-020; AF-FR-9100-002, AF-FR-9100-015, AF-FR-9100-016, AF-FR-9100-023

Source table / pages	Title and scope	Companion implementation
Q-1 / 80	Aviation evidence topics 12 source rows. Normative structure	AF-PR-9100-028; AF-CL-9100-020; AF-FR-9100-026, AF-FR-9100-024, AF-FR-9100-009, AF-FR-9100-025
R-1 / 81	Defense and mission-vehicle evidence topics 12 source rows. Normative structure	AF-PR-9100-013; AF-CL-9100-020; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
S-1 / 82	Industrial lifecycle evidence 10 source rows. Normative structure	AF-PR-9100-007; AF-CL-9100-020; AF-FR-9100-017, AF-FR-9100-018, AF-FR-9100-029
T-1 / 83	Maintenance and repair evidence 10 source rows. Normative structure	AF-PR-9100-028; AF-CL-9100-020; AF-FR-9100-026, AF-FR-9100-024, AF-FR-9100-009, AF-FR-9100-025
T-2 / 83	Distribution and split-lot evidence 7 source rows. Normative structure	AF-PR-9100-028; AF-CL-9100-020; AF-FR-9100-026, AF-FR-9100-024, AF-FR-9100-009, AF-FR-9100-025
U-1 / 85	Synthetic inventory calculation 6 source rows. Source example, definition or completeness index	AF-PR-9100-029; AF-TR-9100-001 / unchanged source; AF-FR-9100-030, AF-FR-9100-014, AF-FR-9100-019, AF-FR-9100-027
V-1 / 87	Audit and assessment record fields 7 source rows. Normative structure	AF-PR-9100-023; AF-CL-9100-020; AF-FR-9100-004, AF-FR-9100-006, AF-FR-9100-028
V-2 / 87, 88, 89, 90, 91, 92, 93, 94	Main clause-by-clause evidence index 208 source rows. Source example, definition or completeness index	AF-PR-9100-023; AF-TR-9100-001 / unchanged source; AF-FR-9100-004, AF-FR-9100-006, AF-FR-9100-028
V-3 / 94, 95	Normative annex coverage register 28 source rows. Source example, definition or completeness index	AF-PR-9100-023; AF-TR-9100-001 / unchanged source; AF-FR-9100-004, AF-FR-9100-006, AF-FR-9100-028
W-1 / 96	Complete NCR/CAPA record requirements 9 source rows. Normative structure	AF-PR-9100-021; AF-CL-9100-020; AF-FR-9100-006, AF-FR-9100-014, AF-FR-9100-027, AF-FR-9100-028
W-2 / 96, 97	Filled corrective-action case 12 source rows. Source example, definition or completeness index	AF-PR-9100-021; AF-TR-9100-001 / unchanged source; AF-FR-9100-006, AF-FR-9100-014, AF-FR-9100-027, AF-FR-9100-028
X-1 / 98	Implementation work packages 8 source rows. Source example, definition or completeness index	AF-PR-9100-025; AF-TR-9100-001 / unchanged source; AF-FR-9100-031, AF-FR-9100-028, AF-FR-9100-032
Z-1 / 101	Calculated quality and delivery metrics 10 source rows. Source example, definition or completeness index	AF-PR-9100-005; AF-TR-9100-001 / unchanged source; AF-FR-9100-013, AF-FR-9100-027, AF-FR-9100-028
Z-2 / 102	Integrated case decision chain 7 source rows. Source example, definition or completeness index	AF-PR-9100-022; AF-TR-9100-001 / unchanged source; AF-FR-9100-027, AF-FR-9100-014, AF-FR-9100-006
AA-1 / 103	AF conformity objects and decision boundaries 7 source rows. Normative structure	AF-PR-9100-002; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013
AA-2 / 103, 104	Minimum profile fields 7 source rows. Normative structure	AF-PR-9100-002; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-013

Source table / pages	Title and scope	Companion implementation
AB-1 / 106	Minimum entry evidence for assessment roles 7 source rows. Normative structure	AF-PR-9100-008; AF-CL-9100-020; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
AC-1 / 109	Base initial organizational evaluation time 7 source rows. Normative structure	AF-PR-9100-031; AF-CL-9100-020; AF-FR-9100-004, AF-FR-9100-003, AF-FR-9100-005, AF-FR-9100-028
AD-1 / 113	Illustrative DR-A outcomes for the Annex H example 4 source rows. Source example, definition or completeness index	AF-PR-9100-009; AF-TR-9100-001 / unchanged source; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023
AD-2 / 113, 114	Finding categories and minimum consequences 4 source rows. Normative structure	AF-PR-9100-009; AF-CL-9100-020; AF-FR-9100-005, AF-FR-9100-018, AF-FR-9100-023
AE-1 / 115	Illustrative profile blueprint — weights are not universal technical criteria 6 source rows. Source example, definition or completeness index	AF-PR-9100-008; AF-TR-9100-001 / unchanged source; AF-FR-9100-003, AF-FR-9100-010, AF-FR-9100-031
AF-1 / 118	Contractual flow-down review — apply each relevant topic 22 source rows. Normative structure	AF-PR-9100-013; AF-CL-9100-020; AF-FR-9100-009, AF-FR-9100-020, AF-FR-9100-022
AG-1 / 120	Controlling AF scheme intervals and deadlines 17 source rows. Normative structure	AF-PR-9100-035; AF-CL-9100-020; AF-FR-9100-008, AF-FR-9100-006, AF-FR-9100-009, AF-FR-9100-010, AF-FR-9100-032
AH-1 / 124	Minimum CAB witnessing coverage 5 source rows. Normative structure	AF-PR-9100-030; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-002, AF-FR-9100-003, AF-FR-9100-004, AF-FR-9100-032
AJ-1 / 128	Operational form set and mandatory payload 12 source rows. Normative structure	AF-PR-9100-001; AF-CL-9100-020; AF-FR-9100-001, AF-FR-9100-015, AF-FR-9100-032
AJ-2 / 129	Cross-object record relationships 10 source rows. Normative structure	AF-PR-9100-010; AF-CL-9100-020; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-032
AJ-3 / 129	F02 profile example — AP-GSI-01, revision 1 8 source rows. Source example, definition or completeness index	AF-PR-9100-010; AF-TR-9100-001 / unchanged source; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-032
AJ-4 / 130	F04-F08 combined example — EVAL-EX-026 8 source rows. Source example, definition or completeness index	AF-PR-9100-010; AF-TR-9100-001 / unchanged source; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-032
AJ-5 / 130	F09-F10 bounded records 5 source rows. Source example, definition or completeness index	AF-PR-9100-010; AF-TR-9100-001 / unchanged source; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-032
AJ-6 / 130, 131	Controlling rules and common misinterpretations 12 source rows. Normative structure	AF-PR-9100-010; AF-CL-9100-020; AF-FR-9100-019, AF-FR-9100-029, AF-FR-9100-032

4 Complete source evidence indexes

Table V-2 — Main clause-by-clause evidence index

Source pages 87, 88, 89, 90, 91, 92, 93, 94. Complete source index retained for cross-checking; its evidence descriptions do not replace every lettered condition.

Clause / assessment subject	Minimum evidence to evaluate
1.1 — Organizations and value chains covered	Declared scope and implementation records demonstrating each applicable condition; technical basis and limitations.
1.2 — Products, services, processes and people	Conformity-object register; product and service families; process and personnel scope; external-provider map; selected route and technical profile.
1.3 — Scope statement and mandatory applicability decision	Approved scope; object-route selection; Annex A matrix; exclusions with evidence; interface owners; review triggers and scope-change history.
1.4 — Boundaries of conformity and authorization	Accurate claims and certificate scope; actual authorizations; mark permissions; separation of technical and statutory approvals.
1.5 — System boundaries and hazardous domains	Declared scope and implementation records demonstrating each applicable condition; technical basis and limitations.
2.1 — Self-contained AF requirement basis	Controlled edition; applicable-requirement register; application profile; evidence mapping.
2.2 — Controlled program and application profile	Approved application profile; technical rationale; criteria and methods; obligation register; change controls.
2.3 — Precedence and conflict resolution	Conflict register; affected scope; technical and contractual resolution; controlled amendments to working instructions.
2.4 — Normative annexes and evidence conventions	Annex applicability; complete evidence fields; evaluated conditions; justified non-applicability.
2.5 — Edition, time and change control	Edition and amendment register; adoption record; actual decision dates and status history.
2.6 — Engineering judgment and reproducible decisions	Technical judgments; verified computations; assumptions and limitations; independent review when required.
3.1 — Interpretation and evidence convention	Consistent use of defined terms and conventions in profiles, procedures, records and public claims.
4.1 — Context, operating environment and emerging conditions	Context register; climate-relevance decision; assumptions; review minutes; resulting changes to objectives, hazards or controls.
4.2 — Interested parties and public-interest interfaces	Interested-party register; obligation classification; communication responsibilities; conflict resolutions.
4.3 — System scope, boundaries and responsibility	Scope statement and Annex A matrix; interface agreements; new- capability review; updated external claims.
4.4 — Processes and their interactions	Process architecture; process-owner definitions; operating criteria; interaction records; process metrics and improvement actions.
4.5 — Obligation and commitment register	Controlled obligation register; change assessments; authorized evidence- access arrangements.

Clause / assessment subject	Minimum evidence to evaluate
5.1 — Executive accountability and customer focus	Executive reviews; resource decisions; commitment reviews; balanced performance measures and escalations.
5.2 — Policy and measurable commitments	Approved policy; communication records; observed application; linked objectives.
5.3 — Roles, management representative and independence	Authority matrix; management-representative appointment; independence arrangements; delegation register.
5.4 — Ethical behavior and quality culture	Behavior code; reporting channels; investigation records; incentive review; culture evaluation and actions.
5.5 — Stop-work and release protection	Stop-work instruction; hold records; restart criteria and authorized decisions.
5.6 — Governance of claims and external relationships	Claim-approval process; supporting evidence; conflict disclosures; correction records.
6.1 — Risk planning and acceptance	Risk register; hazard analyses; acceptance criteria; control verification; residual-risk decisions and triggers.
6.2 — Opportunity planning as a distinct activity	Opportunity register; selected initiatives; benefit evaluations; associated risk assessments.
6.3 — Objectives and execution plans	Objective plans; metric definitions; baseline data; progress reviews and decisions.
6.4 — Management-system and operational changes	Change requests; impact assessments; approvals; training; implementation and post-change verification.
6.5 — Resilience and continuity planning	Business-impact analysis; continuity plans; exercise results; approved recovery and restart evidence.
6.6 — Technology maturity and future readiness	Technology evidence dossier; experiment approvals; readiness gap list; transition-gate decisions.
7.1 — Resource and capacity assurance	Capacity reviews; staffing and equipment plans; constraint decisions; lifecycle-support commitments.
7.2 — Competence, qualification and authorization	Role competence criteria; assessments; qualifications; task-authorization register; reassessment records.
7.3 — Awareness and human-performance conditions	Awareness evaluation; human-factor assessments; shift handover and error-prevention controls.
7.4 — Infrastructure, utilities and facility integrity	Infrastructure register; maintenance and commissioning records; utility limits; facility change reviews.
7.5 — Work environment, cleanliness and contamination	Environmental specifications; monitoring logs; excursion investigations; cleanliness verification.
7.6 — Measuring equipment and metrological traceability	Equipment register; calibration chain; recall system; uncertainty suitability; impact and disposition records.
7.7 — Measurement methods, uncertainty and decision rules	Method-validation records; uncertainty budgets; decision rules; automated inspection challenge results.
7.8 — Organizational knowledge and technical continuity	Knowledge map; succession and transfer records; lessons database; reuse applicability reviews.
7.9 — Communication and controlled information exchange	Communication matrix; notification and acknowledgement logs; approved information-sharing arrangements.
7.10 — Document creation, approval and distribution	Document master list; approval workflow; distribution controls; point-of-use verification.

Clause / assessment subject	Minimum evidence to evaluate
7.11 — Record integrity, retention and long-life readability	Retention schedule; signature controls; audit trails; migration and restore tests; authorized disposal records.
7.12 — Technical software, spreadsheets and decision tools	Tool inventory; validation plan and known-answer tests; version records; review and revalidation triggers.
8.1 — Integrated operational planning	Program assurance plan; work packages; control plans; integrated schedule; baseline consistency review.
8.1.1 — Operational risk management	Program risk register; mitigation verification; residual-risk acceptance; changes based on new evidence.
8.1.2 — Configuration management	Configuration plan; item hierarchy; baselines; change board decisions; status accounting; configuration audits.
8.1.3 — Product safety and mission-critical controls	Hazard log; safety-control traceability; independent reviews; safety communications; in-service event assessments.
8.1.4 — Counterfeit and unapproved-item prevention	Authenticity-risk assessment; approved sources; incoming verification; suspect-item records and disposition.
8.1.5 — Temporary and permanent work transfer	Transfer plan; receiving-site readiness; qualification evidence; initial-output monitoring and closure.
8.2 — Requirements for products and services	Requirement lifecycle; agreed baseline; review and change records.
8.2.1 — Customer and user communication	Communication arrangements; technical clarifications; complaints; user- information distribution.
8.2.2 — Requirement determination and completeness	Requirements register; assumptions; applicable obligations; acceptance definitions; identified special requirements.
8.2.3 — Contract and commitment review	Multifunctional contract review; feasibility evidence; resolutions; approved deviations from the proposed offer.
8.2.4 — Changes to requirements	Requirement-change record; impact analysis; baseline update; implementation and acknowledgement evidence.
8.3 — Design and development	Design scope and responsibility; controlled inputs; review, verification, validation and changes.
8.3.1 — Design and development governance	Design process; responsibility allocation; design-data acceptance; escalation of ambiguities.
8.3.2 — Design planning and lifecycle controls	Design plan; interface agreements; review schedule; V&V strategy; required independence.
8.3.3 — Design inputs and derived requirements	Approved input baseline; derivation rationale; assumption register; conflict resolutions.
8.3.4 — Design review, verification and validation	Review records; requirements-to-evidence matrix; approved test plans; raw data; model credibility; anomaly dispositions.
8.3.5 — Design outputs and release	Released design package; critical-characteristic list; approval; downstream usability review.
8.3.6 — Design changes and continued validity	Change request; impact analysis; requalification decision; approvals; affected-item and implementation records.
8.4 — Externally provided products, processes and services	External-provider scope; approval, verification and flow-down evidence.

Clause / assessment subject	Minimum evidence to evaluate
8.4.1 — External-provider selection and approval	Supplier evaluations; approval register; performance reviews; conditional approvals; sub-tier dependency map.
8.4.2 — Verification of externally provided outputs	Incoming verification plans; report checks; delegated inspection controls; restricted-release and recall records.
8.4.3 — Purchasing information and flow-down	Purchase-order clauses; technical-data issue record; sub-tier acknowledgement; flow-down verification.
8.5 — Production and service execution	Controlled work routes; actual execution; identity, preservation, support and change records.
8.5.1 — Controlled production and service execution	Controlled route or work package; process records; in-process verification; quantity reconciliation; FOD and utility controls.
8.5.1.1 — Equipment, tooling and production software	Tool and software qualification; controlled programs; maintenance; storage checks; revalidation records.
8.5.1.2 — Special-process validation and control	Special-process qualification dossier; approved parameter ranges; operator qualifications; run records; requalification decisions.
8.5.1.3 — Production-process and first article verification	First article record; characteristic accountability; material/process evidence; differences and repeat-verification rationale.
8.5.2 — Identification, status and traceability	Identity scheme; genealogy records; status controls; signature register; forward and reverse trace exercises.
8.5.3 — Customer and external-provider property	Property register; receipt checks; access controls; condition and incident records.
8.5.4 — Preservation, packaging and transport	Preservation specifications; packaging qualification; environmental history; shelf-life controls; excursion dispositions.
8.5.5 — Post-delivery support and field feedback	Support plan; service information; field reliability data; notifications; off-site work controls.
8.5.6 — Production and service changes	Process-change record; technical impact; approvals; temporary controls; changed-output verification.
8.6 — Acceptance and authorized release	Release checklist; acceptance results; closed or authorized issues; delivery dossier; release authorization.
8.7 — Nonconforming outputs and escape control	NCR; material review decisions; population trace; notifications; repair/rework verification; scrap control.
9.1 — Monitoring strategy and data credibility	Monitoring plan; metric dictionary; source reconciliations; data-quality checks; action records.
9.2 — Customer satisfaction and external feedback	Feedback records; segment analysis; improvement plans; effectiveness evaluations.
9.3 — Internal audit program	Risk-based audit program; competence and independence; plans; evidence trails; findings; closure verification.
9.4 — Management review inputs	Review agenda and input pack; trend analyses; independent assurance concerns; status of prior actions.
9.5 — Management review decisions and follow- through	Recorded decisions; action ownership; resource commitments; follow-up and effectiveness evidence.
9.6 — Independent assurance and systemic challenge	Independent-review plan; challenge records; dissent resolution; release recommendations.

Clause / assessment subject	Minimum evidence to evaluate
10.1 — Response to nonconformity and containment	Response record; containment scope; trace results; effectiveness checks; preserved evidence.
10.2 — Cause analysis and corrective action	Evidence-based cause analysis; occurrence and escape controls; action plan; systemic extent; effectiveness results.
10.3 — Continual improvement and preventive learning	Improvement portfolio; baseline and outcome evaluation; change assurance; retained learning.
10.4 — Learning across the lifecycle and network	Indexed lessons; applicability reviews; supplier communication; recurrence and uptake assessment.
11.1 — Mission and concept definition	Mission concept; scenario catalogue; boundary assumptions; success and safe-state criteria.
11.2 — Requirements decomposition and interface control	Requirement allocation; interface-control documents; integration assumptions; cross-interface verification.
11.3 — Assurance planning and lifecycle gates	Gate plan; review packages; decision records; conditions and verified closure.
11.4 — Reliability, availability and maintainability	RAM plan; models and assumptions; test plan; field exposure; repair-time and downtime definitions.
11.5 — Hazard analysis and assurance case	Assurance case; hazard log; analysis rationale; evidence index; limitations and independent challenge.
11.6 — Verification strategy and model credibility	Verification matrix; method-selection rationale; model-credibility dossier; approved extrapolations.
11.7 — Technical budgets and margin management	Budget register; margin definitions; allocation history; uncertainty and change assessments.
11.8 — Integrated readiness and handover	Integrated readiness review; handover dossier; receiving acknowledgement; long-life support arrangements.
12.1 — Digital lifecycle and architectural assurance	Digital lifecycle plan; allocated requirements; architecture; fault- containment and timing analyses.
12.2 — Implementation, review and build control	Source and review records; build manifest; dependency inventory; reproducibility and artifact identity checks.
12.3 — Verification, test coverage and independence	Verification plan; traceable tests; coverage analysis; anomaly disposition; target-representativeness assessment.
12.4 — AI and machine-learning use-case governance	AI use-case inventory; intended-use statement; alternatives assessment; authority limits; oversight validation.
12.5 — Dataset quality, lineage and evaluation design	Dataset manifest; labeling assurance; partition controls; scenario coverage; stratified evaluation and uncertainty.
12.6 — Model release, drift and bounded adaptation	Model release card; drift thresholds and rationale; fallback tests; update approvals; monitoring records.
12.7 — Generative AI and engineering evidence	Approved use cases; data-access rules; review records; verified calculations and references.
12.8 — Digital twins, MBSE and model-based acceptance	Model authority map; twin identity and update controls; validation; model- based acceptance rationale.
12.9 — Long-term digital maintainability and obsolescence	Digital support plan; escrow or access arrangements where needed; migration tests; obsolescence decisions.

Clause / assessment subject	Minimum evidence to evaluate
13.1 — Security scope and integrated risk assessment	Asset and trust-boundary inventory; threat assessment; safety-security interface decisions.
13.2 — Identity, access and privileged actions	Access matrix; privileged approvals; identity lifecycle; emergency-access reviews.
13.3 — Secure development and supply-chain integrity	Secure-development plan; SBOM; dependency reviews; vulnerability decisions and mitigations.
13.4 — OT and connected-production safeguards	OT architecture; authorized connections; patch assessments; compensating controls; restoration tests.
13.5 — Secure updates, rollback and cryptographic agility	Update architecture; signed release manifest; interruption and rollback tests; cryptographic inventory and migration plan.
13.6 — Security testing and vulnerability handling	Authorized test plans; results; vulnerability register; remediation verification; customer communication.
13.7 — Incident response and recovery assurance	Incident plan; exercise records; RTO/RPO basis; integrity verification; return-to-service decision.
14.1 — Space program and mission-product assurance	Space assurance plan; mission interface allocation; environmental and lifecycle assumptions; gate evidence.
14.2 — Space environment and qualification rationale	Environmental specification; qualification matrix; test-article differences; margin and exposure rationale.
14.3 — Components, materials and contamination control	Parts and materials lists; environmental suitability; contamination plan; applicable protection-control evidence.
14.4 — Ground segment, command and mission operations	Ground-segment baseline; command-authority rules; rehearsals; anomaly procedures; telemetry interpretation limits.
14.5 — Orbital responsibility and end-of-life planning	Responsibility allocation; disposal concept; resource budgets; failure cases; end-of-life decision and verification records.
14.6 — Human spaceflight and habitation interfaces	Human-system requirements; life-support interface assurance; emergency scenarios; independent review; integrated validation.
14.7 — Surface mobility, in-space servicing and manufacturing	Surface or servicing concept; environment-specific qualification; remote acceptance strategy; safe-state and evidence limitations.
15.1 — Airworthiness and operational approval interfaces	Approval-interface matrix; assigned obligations; change and repair approvals; supporting evidence.
15.2 — Aircraft and equipment integration	Installation assessment; integration verification; affected-system analysis; updated support data.
15.3 — Unmanned and remotely operated systems	System-level UAS assessment; domain definition; link-loss tests; workload and contingency validation.
15.4 — Electric, hybrid and hydrogen aviation	Integrated energy-hazard assessment; architecture qualification; degradation limits; ground-support and emergency information.
15.5 — Airports, ground support and air- navigation services	Service assurance plan; interface compatibility; change assessments; maintenance and operational verification.
15.6 — Continuing airworthiness and aviation maintenance	Capability list; approved maintenance data; personnel authorization; life- status records; maintenance release evidence.

Clause / assessment subject	Minimum evidence to evaluate
16.1 — Defense program assurance and contractual obligations	Defense assurance plan; contractual obligation matrix; access arrangements; approval responsibilities.
16.2 — Multi-domain platforms and interfaces	Cross-domain interface baseline; integration tests; safe-state definition; authorized test controls.
16.3 — Defense-purpose road and off-road vehicles	Vehicle duty profile; integration impact assessment; configuration-specific qualification; maintenance and transport limits.
16.4 — Maritime platforms and underwater systems	Maritime requirement basis; critical-boundary records; process and inspection evidence; deterioration-management plan.
16.5 — Autonomy, remote systems and human authority	Authority model; domain constraints; intervention validation; simulation limits; change and release records.
16.6 — Controlled technology, ethics and supply integrity	Controlled-technology review; authorized access; due diligence; ethical escalation and disposition.
16.7 — Long-life support and obsolescence	Support and obsolescence plan; substitution approvals; field configuration; life and refurbishment records.
17.1 — Industrial system boundary and lifecycle integrity	Asset design basis; boundary drawings; applicable-code register; lifecycle responsibility allocation.
17.2 — Mechanical integrity and essential services	Integrity-management plan; equipment dossiers; degradation assessments; override and temporary-repair controls.
17.3 — Fabrication, installation and construction interfaces	Fabrication and installation records; hidden-work inspections; alignment and interface checks; as-built configuration.
17.4 — Commissioning and operational readiness	Commissioning plan; test records; protective-function verification; open- item disposition; handover acceptance.
17.5 — Asset inspection and condition-based maintenance	Inspection strategy; condition data; detection capability; remaining-life or repair decisions; interval review.
17.6 — Industrial modernization and decommissioning	Modernization assessment; verified legacy baseline; decommissioning plan; disposition and transfer records.
18.1 — Material and process specification control	Material specifications; batch certificates and verification; substitution approvals; storage and life records.
18.2 — Metals, castings, forgings and heat treatment	Process qualification; batch and thermal records; representative test evidence; repair approvals.
18.3 — Composites, polymers, adhesives and bonded structures	Composite or bond qualification; constituent genealogy; process history; inspection capability; change review.
18.4 — Additive and digitally driven manufacturing	Build qualification; feedstock history; signed build package; monitoring validation; post-process and acceptance records.
18.5 — Electronics, semiconductors and interconnections	Component assurance plan; approved parts list; assembly qualification; configuration and screening evidence.
18.6 — NDT, inspection capability and probability of detection	NDT procedure qualification; personnel authorization; reference-artifact control; detection capability and limitations.
18.7 — Surface engineering, cleanliness and contamination-sensitive products	Surface-process qualification; bath or chemical controls; test results; cleanliness criteria and records.

Clause / assessment subject	Minimum evidence to evaluate
19.1 — Energy-system boundary and coupled hazards	Energy-system architecture; integrated hazard analysis; lifecycle controls; specialist approvals.
19.2 — Electrical storage and battery systems	Battery configuration; qualification basis; life and condition data; protection verification; reuse assessment.
19.3 — Hydrogen, fuels and chemical-energy systems	Compatibility assessment; containment and protection evidence; supply controls; authorized procedures.
19.4 — Propulsion and rotating-machinery assurance	Operating-envelope basis; critical-part genealogy; qualification and acceptance; life-management records.
19.5 — Hazardous tests and emergency preparedness	Test safety review; readiness approval; abort rules; anomaly evidence; restart and reuse decisions.
20.1 — Lifecycle environmental responsibilities	Lifecycle aspect register; obligations; action plans; integrated change assessments.
20.2 — Quantification and credible environmental claims	Inventory model; data sources; factors and editions; uncertainty; claim review and verification status.
20.3 — Circularity, repair and responsible material recovery	Repair and recovery strategy; life-status controls; qualification of reused inputs; secure disposition records.
20.4 — Human-system integration and ergonomics	Human-system requirements; representative evaluations; workload and error analyses; design decisions.
20.5 — Worker competence, health and safe work interfaces	Work-risk interfaces; competence and contractor controls; incident learning; emergency arrangements.
20.6 — Responsible innovation and future- technology review	Responsible-innovation review; evidence gap assessment; bounded- deployment plan; claim approval.
21.1 — Service scope and new-capability approval	Service capability list; new-capability review; applicable authorizations; activity-based scope.
21.2 — Maintenance planning and execution	Maintenance package; current-data verification; handovers; parts traceability; post-maintenance verification.
21.3 — Repair, overhaul and remanufacture	Repair basis; condition assessment; process records; remaining-life decisions; release limitations.
21.4 — Distribution, stock splitting and chain of custody	Source verification; split-lot records; stock status; certificate linkage; customer delivery evidence.
21.5 — Logistics, storage and remote support	Logistics plan; custody records; excursion assessments; remote-support authorization and advice records.
21.6 — Retirement, disposal and record handover	Retirement plan; material and data disposition; record-transfer arrangements; disposal verification.
22.1 — Conformity evidence dossier	Object-specific dossier; applicable requirement set; evidence index; configuration and population coverage; limitations.
22.2 — Evaluation, review and decision separation	Assignment matrix; competence and conflict checks; evaluation record; independent review and decision identities.
22.3 — Criteria, sampling and findings	Evaluation plan; sample rationale; objective evidence; requirement-linked findings; assessed limitations.
22.4 — Decision conditions and release blockers	Requirement-by-requirement conclusion; finding closure; blocker check; reasoned and dated decision.

Clause / assessment subject	Minimum evidence to evaluate
22.5 — Statements, certificates and mark use	Approved claim text; certificate data; mark permission; actual recognition scope where claimed.
22.6 — Continuing validity and changes	Change notifications; surveillance findings; renewal evidence; current and historical status records.
22.7 — Complaints, appeals and corrective communication	Case records; independent reviewer appointment; reasoned outcomes; affected-population action and communication.
22.8 — Scheme operation and competence attestations	Operator authority; body competence evaluation; written scope; independent decision; accurate accreditation and authorization claims.
23.1 — Product identity, families and intended application	Product definition; configuration baseline; family matrix; variant-difference and representativeness analyses.
23.2 — Product application profile and acceptance plan	Approved product profile; characteristic-to-method matrix; qualification and acceptance distinction; unresolved-input decisions.
23.3 — Design qualification and integration evidence	Qualification dossier; test-article differences; system-interface verification; validated support assumptions.
23.4 — Production, unit and lot acceptance	Unit or lot dossier; critical characteristics; sampling decision; controlled departures; final release record.
23.5 — Changes, family extensions and digital updates	Change-impact record; evidence reuse rationale; repeated qualification; instance effectivity; updated scope.
23.6 — Product statements, labeling and user information	Approved claim and label master; mark authorization; traceable labeling records; user-information delivery.
23.7 — In-service evidence, corrective campaigns and retirement	Field data and exposure; affected-population analysis; campaign records; verified completion; retirement and reuse decisions.
24.1 — Service catalog, boundary and responsibility	Service catalog; service profile; dependency and responsibility map; controlled exclusions.
24.2 — Service design and measurable outcomes	Requirements and metrics; capacity assumptions; validated service design; customer-interface results.
24.3 — Delivery planning and competent execution	Service work package; competence and readiness checks; current inputs; handovers and escalation records.
24.4 — Service acceptance and performance decisions	Actual outcome records; acceptance decision; metric calculations and exclusions; critical-event review.
24.5 — Digital services, data and external platforms	Digital service architecture; data and access agreements; supplier controls; recovery and integrity verification.
24.6 — Continuity, disruption and customer protection	Continuity plan; exercised recovery; qualified alternatives; affected-output analysis; customer notifications.
24.7 — Service change, completion and exit	Change and transition approvals; revised scope; service completion dossier; property/data handover and access closure.
25.1 — Process identity, scope and essential variables	Process definition; essential-variable register; qualified family rationale; interface controls.
25.2 — Qualification strategy and demonstration	Qualification plan; representative results; method suitability; failed-run disposition; approved process window.

Clause / assessment subject	Minimum evidence to evaluate
25.3 — Capability, stability and statistical interpretation	Study design; data and model assumptions; stability review; capability calculation; justified alternative evidence.
25.4 — Operating approval and release for use	Process approval record; released instructions; authorization and limitations; ongoing acceptance controls.
25.5 — Monitoring, drift and excursions	Monitoring records; reaction plan; affected-population trace; technically justified disposition and restart.
25.6 — Changes, transfer and requalification	Requalification trigger review; transfer readiness; retained-evidence rationale; actual receiving-site results.
25.7 — Process records, traceability and retirement	Traceable process history; automated-data verification; withdrawn approval controls; preserved lifecycle evidence.
26.1 — Role analysis and competence criteria	Job/task analysis; role profile; required competences; relevant prerequisites and assessment methods.
26.2 — Development and verified competence	Gap assessment; development activities; observed demonstration; competent assessor conclusion.
26.3 — Personnel certification and fair assessment	Published role profile; candidate information; validated assessment; fair- access arrangements; decision rationale.
26.4 — Employer task authorization and supervision	Task-authorization register; scope and limitations; competence and license checks; supervision arrangements.
26.5 — Continued competence and reassessment	Practice and development record; performance review; reassessment; renewal and inactivity decisions.
26.6 — Restriction, suspension and restoration	Protective action; affected-work review; reassessment; reasoned restoration or withdrawal; status updates.
26.7 — Personnel records and responsible use of credentials	Protected competence dossier; current credential status; accurate claims; controlled access and retention.
27.1 — Retained accountability and actual performers	Performer and sub-tier map; responsibility matrix; documented delegations and retained decisions.
27.2 — Qualification, risk and source status	Scope-specific supplier dossier; risk assessment; source-status conditions; verified closure and approval.
27.3 — Contractual flow-down and acknowledgement	Reviewed purchase scope; flow-down matrix; performer acknowledgement; resolved ambiguities.
27.4 — Ongoing oversight and delegated verification	Surveillance plan; performance trends; witnessed and verification records; delegation reviews and affected-output checks.
27.5 — Changes and further subcontracting	Change notices; approved sub-tier use; emergency restrictions; receiving capability and requalification.
27.6 — Escapes, continuity and controlled exit	Population trace; notifications; joint corrective action; continuity and termination record; preserved evidence.
28.1 — Legal responsibility, resources and impartiality	Legal and governance records; resource and liability arrangements; impartiality analysis; conflict decisions.
28.2 — Competence by function and technical scope	Competence criteria; witnessed assessments; role and technical-scope authorizations; performance monitoring.
28.3 — Valid methods, equipment and technical evidence	Method and equipment records; validity checks; raw and processed results; subcontracted-evidence evaluation.
28.4 — Independent review and final decision	Independent review; conflict-free decision authorization; recorded rationale; actual decision date.

Clause / assessment subject	Minimum evidence to evaluate
28.5 — Outsourced evaluators and supporting services	External-personnel agreements; verified competence; technical review of external evidence; retained responsibility.
28.6 — Information, complaints and continuity	Protected records; status controls; complaint and appeal outcomes; provider continuity and closure arrangements.
28.7 — CAB competence route and limits of accreditation	CAB evaluation and witnessing; independent decision; exact authorized scope; accurate accreditation and recognition claims.

Table V-3 — Normative annex coverage register

Source pages 94, 95. Complete source index retained for cross-checking; its evidence descriptions do not replace every lettered condition.

Annex	Assessment coverage
A	Scope and activity-based applicability matrix
B	Criticality classification and assurance tailoring
C	Lifecycle-gate evidence and transition decisions
D	Requirements, configuration and digital evidence data model
J	Supplier qualification, surveillance and flow-down package
K	First article and production-readiness verification
L	Special-process qualification and requalification dossier
M	Verification, environmental testing and qualification records
N	Software and AI assurance cards with worked metrics
O	Cybersecurity, update and recovery evidence pack
P	Space mission and space-purpose mobility assurance matrix
Q	Aviation and advanced-air-mobility assurance matrix
R	Defense, maritime and mission-vehicle assurance matrix
S	Heavy-industry commissioning and asset-integrity matrix
T	Maintenance, distribution and authorized service-release records
V	Assessment method and main-clause evidence
W	Nonconformity and corrective-action record with completed example
Y	AF interpretation, amendment and publication control
AA	Assessment scheme architecture and object-specific conformity routes
AB	Auditor, technical expert, reviewer and decision-maker competence
AC	Audit planning, audit time, multisite coverage and remote methods

Annex		Assessment coverage
AD		Conformity decision rules, findings and release controls
AE		Personnel assessment, examinations and task authorization
AF		Subcontracting, outsourced work and flow-down control package
AG		Surveillance, renewal, status and mandatory time limits
AH		Assessment-body, laboratory and competence-attestation controls
AI		Complaints, appeals, impartial review and case administration
AJ		Controlled forms, record dictionary and consistency matrix

5 Omission, ambiguity and local completion record

Source clause/table/condition needing clarification

Affected object / scope / companion / actual configuration

Missing or contradictory criterion / evidence / responsibility

Required additional local method, form or specialist procedure

Accountable technical owner / independent reviewer

Controlled interpretation or amendment reference

Actual closure evidence / remaining HOLD / effectivity

This set covers the supplied publication's documentary architecture. Mission-specific limits, actual hazardous operating procedures, applicable permission instruments and genuine execution records remain local deliverables. New material responsibility or technical mechanisms require controlled completion rather than a claim that every future case is already validated.