



AF 9100:2026

Aerospace Quality Management System

CONTROLLED SCHEDULE

Assessment Resources, Sites and Technical Witnessing Schedule

AF-SC-9100-002

FIRST EDITION

30 September 2026 | English master text

Publication identity and application

Control	Publication value
Title	Assessment Resources, Sites and Technical Witnessing Schedule
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Responsible owner function	Relevant technical and scheme authority
Primary source anchors	V, AC, AH.7
Delivery status	Prepared implementation companion. Actual approval, adoption, effectivity and operational decisions are recorded separately.

Use and document-control boundary

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

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

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

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

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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 Schedule application and source priority

Complete the actual role, scope and event-specific assignments before using this schedule. Source minimum intervals and gates are not optional planning targets. The schedule cannot waive an earlier technical, contractual or legal duty.

2 ORG time bands and route-specific coverage

Effective personnel N	Base B(N), auditor-days	Application
1-10	2.0	Readiness and implementation evaluation combined, before modifiers.
11-25	3.0	Same scope and time definition.
26-75	4.0	Same scope and time definition.
76-150	5.0	Same scope and time definition.
151-300	7.0	Same scope and time definition.
301-600	9.0	Same scope and time definition.
Above 600	$9 + \text{ceil}((N - 600)/300)$	Add one base auditor-day for each additional block of up to 300 effective personnel.

Q24 — Organizational audit time, stages and coverage

Source anchors: AC.1-AC.4; AC.8

Reproduce the source planning minimum without turning it into a quotation or applying it to other routes.

Calculation element	Controlled method and interpretation
Equation	$T_{\text{calc}} = \text{ceil}(2[B K(1+f) + 0.5(Sv-1) + 0.5H])/2$; $T1 = \max(0.5, \text{ceil}(2 \times 0.25T)/2)$; $T2 = T - T1 \geq 1.5$.
Variables and units	B is the exact effective-personnel band; K follows highest criticality; f adds 0.15 for each of three distinct triggered complexity conditions; Sv actual visited sites; H additional materially different shifts.
Worked synthetic values	N=80, C2, special processing and assured digital acceptance, one site, no extra shift: B=5, K=1.35, f=0.30, raw=8.775, T=9, T1=2.5, T2=6.5. Surveillance floor=4.5 days; renewal=7 days. Review and decision are additional.
Assumptions and validity	Also meet one day per visited site and enough time for real tasks, central functions and witnesses. Increase total if both stage floors cannot be met. An evaluator-day is eight productive hours.
Decision boundary	Use exact source floors plus necessary extra work; technical provider and personnel routes require their actual activity plan, not this ORG formula.
Adverse checks	Test every personnel band boundary, duplicate flags, passive observers, round-down, stage deficiency and omitted mandatory sites.

Q25 — Site sampling and calendar integrity

Source anchors: AC.5; AG.1-AG.6

Apply source eligibility, rotation and genuine-event clocks.

Calculation element	Controlled method and interpretation
Equation	For eligible C0/C1 surveillance pool S: $m = \max(\text{ceil}(\sqrt{S}), \text{ceil}(S/2))$; random portion $\geq \text{ceil}(m/4)$. Calendar due dates use actual trigger plus specified interval.
Variables and units	S excludes separately mandatory sites; central function and critical/new/unique locations are added. Full initial/renewal coverage remains required.
Worked synthetic values	For nine eligible sites $m=5$ and the random portion is at least two. For calendar-month intervals the same day is used, or target month-end if unavailable. A report issued later does not reset an earlier notified finding.
Assumptions and validity	A site formula does not state statistical confidence. Preserve rotation through the required 24-month window. Payment, appeal and booking do not extend expiry.
Decision boundary	Missed required surveillance triggers affected status action. Restoration alone preserves original expiry and the suspended gap.
Adverse checks	Challenge month-end arithmetic, wrong time zones, earlier notice than report date, expired reprints and repeatedly reset suspension dates.

3 Provider witnessing scope

Provider activity	Witnessed evidence	Competence conclusion shall identify
Testing / calibration	Actual representative method, sample preparation, equipment, data, uncertainty where relevant and authorized report.	Methods, quantities or properties, ranges/conditions, sites and demonstrated limitations.
Inspection	Actual inspection or a controlled representative task with the relevant configuration, access and acceptance criteria.	Inspection object, method, required independence and detection/access limitations.
ORG certification	Complete representative audit trail, team competence, scope, time, findings, review and decision.	Authorized organizational scopes, technical sectors and criticality coverage.
PRD / SVC / PRC certification	Actual profile review, technical evaluation, representative witnessing, independent decision and continuing controls.	Object families, profiles, technical evaluation methods and restrictions.
PER certification	Eligibility, examination security, practical evaluation, scoring, independent decision and credential control.	Role profiles, technical scope, examination methods and continued competence controls.

Blank controlled schedule entry

Schedule identity / owner / applicable source and version

Actual route / object / configuration / site / role

Applicable trigger and technical/clock condition

Approved limit or required record / units / boundary

Source evidence and technical derivation

Actual accountable function and independent reviewer

Genuine approval / effective event / current restrictions

Due event / actual completion / relevant time zone

Missed or failed condition / protection and escalation

Linked form and register / receiving acknowledgement

Appendix B — Local implementation and release

Readiness condition	Evidence before consequential use
Authority and responsibility	Actual legal operator, owner, competent technical authority, independent reviewer and permitted result class are recorded.
Scope and criteria	Object, configuration, site, period, trigger, every technical value or observable attribute, units and prospective approval are complete.
Evidence and methods	Original accessible evidence, representative observations, valid methods, uncertainty, adverse cases and limitations support the intended conclusion.
People and independence	Competence is current for each task; genuine conflicts, relevant prior work and needed separation have been checked.
Records and tools	Field meanings, unique IDs, original history, access, retention, recovery and actual deployed workflows have passed local validation.
Decision and public use	All relevant blockers are resolved; required independent decision and written permissions precede the exact public claim.
Continuity and handover	Receiving custody, unresolved duties, corrections and historical decisions survive transfer, retirement or provider closure.

Record the completed local readiness and actual authorization in AF-FR-9100-032 or an equivalent controlled record. Preserve the unchanged source standard and each earlier decision basis. A blocked activity may continue only within a genuinely permitted development boundary, not as a provisional conformity certificate.