



AF-CM-9300-001

Standard-to-Document Coverage Matrix

Space / Aviation / Defense

FIRST EDITION

AF 9300 SUPPORTING DOCUMENT



Document identity and use

FIRST EDITION MANUSCRIPT - Prepared for Aerospace Federation review

Field	Controlled identity
Document	AF-CM-9300-001 - Standard-to-Document Coverage Matrix
Parent standard	AF 9300 - Aerospace Testing, Verification & Qualification
Edition / language	FIRST EDITION / English master text
Family	Foundation
Primary source anchors	0-32; Annexes A-V
Suggested local owner	Assurance and implementation lead
Authority	Publisher approval and effective date are not assigned. Local use requires authorized adoption and completed parameters.

Use with the main standard

This document implements the identified AF 9300 clauses and annexes. Read the complete applicable requirements in the main standard. The source anchors are navigation references; a template does not replace technical judgement, evidence, permission or eligible approval.

AF-ML-9300-001 lists the complete supporting set. AF-CM-9300-001 maps the main clauses and annexes to working documents. AF-TP-9300-001 establishes the common local parameter baseline; add the relevant discipline profiles.

Record control

Identify the object, configuration, record owner and dates. Reference attachments by stable identifier and version. Keep superseded evidence and decisions traceable. Use the approved local retention, access and authentication arrangements. No test level, numerical limit, interval or acceptance value is assigned by a blank template.

Implementation model: Translate the stated responsibilities and controls into the actual organization. Informative examples remain explanatory; use approved programme-specific values for operational decisions.

1 Coverage method and use

This matrix maps every numbered main subclause and annex subclause to a document route. It is a navigation and implementation aid, not a finding of compliance. Check every applicable condition in the cited source and retain actual evidence. Working documents may implement several related conditions.

Clauses 0-32 and Annexes A-P form the proposed normative text. Annexes Q-V are informative. No completed status, approval or N/A decision is implied by a mapping.

0 Introduction and intended outcomes

Source anchor	Requirement / topic	Working document route
0.1	The evidence-to-decision chain	AF-ML-9300-001; AF-IG-9300-001; AF-PL-9300-004
0.2	Four distinct questions	AF-ML-9300-001; AF-IG-9300-001; AF-PL-9300-004
0.3	State separation	AF-ML-9300-001; AF-IG-9300-001; AF-PL-9300-004
0.4	Language and status	AF-ML-9300-001; AF-IG-9300-001; AF-PL-9300-004

1 Scope and application boundaries

Source anchor	Requirement / topic	Working document route
1.1	Activities and organizations	AF-PR-9300-001; AF-FR-9300-001; AF-TP-9300-001; AF-CL-9300-001
1.2	Objects and levels	AF-PR-9300-001; AF-FR-9300-001; AF-TP-9300-001; AF-CL-9300-001
1.3	Included lifecycle	AF-PR-9300-001; AF-FR-9300-001; AF-TP-9300-001; AF-CL-9300-001
1.4	Limits and retained duties	AF-PR-9300-001; AF-FR-9300-001; AF-TP-9300-001; AF-CL-9300-001

2 Applicability, precedence and programme parameters

Source anchor	Requirement / topic	Working document route
2.1	Activity-based application	AF-PR-9300-001; AF-TP-9300-001; AF-CL-9300-001
2.2	Precedence and conflicts	AF-PR-9300-001; AF-TP-9300-001; AF-CL-9300-001
2.3	Parameter completion	AF-PR-9300-001; AF-TP-9300-001; AF-CL-9300-001
2.4	Tailoring and equivalence	AF-PR-9300-001; AF-TP-9300-001; AF-CL-9300-001

3 Terms, quantities and interpretation

Source anchor	Requirement / topic	Working document route
3.1	Core technical terms	AF-IG-9300-001; AF-FAQ-9300-001
3.2	Quantity conventions	AF-IG-9300-001; AF-FAQ-9300-001
3.3	Decision meanings	AF-IG-9300-001; AF-FAQ-9300-001
3.4	Abbreviations	AF-IG-9300-001; AF-FAQ-9300-001

4 Governance, competence and independence

Source anchor	Requirement / topic	Working document route
4.1	Accountable roles	AF-PL-9300-001; AF-PR-9300-023; AF-FR-9300-023; AF-RG-9300-005; AF-SC-9300-003
4.2	Competence and task authorization	AF-PL-9300-001; AF-PR-9300-023; AF-FR-9300-023; AF-RG-9300-005; AF-SC-9300-003
4.3	Impartiality and technical challenge	AF-PL-9300-001; AF-PR-9300-023; AF-FR-9300-023; AF-RG-9300-005; AF-SC-9300-003
4.4	Communication and protective authority	AF-PL-9300-001; AF-PR-9300-023; AF-FR-9300-023; AF-RG-9300-005; AF-SC-9300-003

5 Programme definition and contract review

Source anchor	Requirement / topic	Working document route
5.1	Intake and feasibility	AF-PR-9300-002; AF-FR-9300-003; AF-SC-9300-001; AF-CL-9300-001
5.2	Integrated test and qualification strategy	AF-PR-9300-002; AF-FR-9300-003; AF-SC-9300-001; AF-CL-9300-001
5.3	Risk and assurance depth	AF-PR-9300-002; AF-FR-9300-003; AF-SC-9300-001; AF-CL-9300-001
5.4	Programme baseline and gates	AF-PR-9300-002; AF-FR-9300-003; AF-SC-9300-001; AF-CL-9300-001

6 Requirements, methods and verification coverage

Source anchor	Requirement / topic	Working document route
6.1	Requirement quality	AF-PR-9300-003; AF-FR-9300-002; AF-RG-9300-001; AF-CL-9300-001
6.2	Verification matrix	AF-PR-9300-003; AF-FR-9300-002; AF-RG-9300-001; AF-CL-9300-001
6.3	Method allocation and combination	AF-PR-9300-003; AF-FR-9300-002; AF-RG-9300-001; AF-CL-9300-001
6.4	Closure and unresolved work	AF-PR-9300-003; AF-FR-9300-002; AF-RG-9300-001; AF-CL-9300-001

7 Test articles, sampling and configuration pedigree

Source anchor	Requirement / topic	Working document route
7.1	Receipt and identity	AF-PR-9300-004; AF-FR-9300-004; AF-RG-9300-003; AF-CL-9300-002; AF-WI-9300-001
7.2	Selection and representativeness	AF-PR-9300-004; AF-FR-9300-004; AF-RG-9300-003; AF-CL-9300-002; AF-WI-9300-001
7.3	Preparation and preservation	AF-PR-9300-004; AF-FR-9300-004; AF-RG-9300-003; AF-CL-9300-002; AF-WI-9300-001
7.4	Tested-as versus claimed-as	AF-PR-9300-004; AF-FR-9300-004; AF-RG-9300-003; AF-CL-9300-002; AF-WI-9300-001

8 Method selection, validation and controlled execution documents

Source anchor	Requirement / topic	Working document route
8.1	Fitness for intended use	AF-PR-9300-005; AF-FR-9300-005; AF-RG-9300-004; AF-CL-9300-003; AF-SC-9300-004
8.2	Validation characteristics	AF-PR-9300-005; AF-FR-9300-005; AF-RG-9300-004; AF-CL-9300-003; AF-SC-9300-004
8.3	Specification and procedure	AF-PR-9300-005; AF-FR-9300-005; AF-RG-9300-004; AF-CL-9300-003; AF-SC-9300-004
8.4	Method change and continuing validity	AF-PR-9300-005; AF-FR-9300-005; AF-RG-9300-004; AF-CL-9300-003; AF-SC-9300-004

9 Facilities, fixtures and environmental control

Source anchor	Requirement / topic	Working document route
9.1	Facility capability	AF-PR-9300-006; AF-RG-9300-004; AF-CL-9300-004
9.2	Fixture and boundary conditions	AF-PR-9300-006; AF-RG-9300-004; AF-CL-9300-004
9.3	Spatial and temporal uniformity	AF-PR-9300-006; AF-RG-9300-004; AF-CL-9300-004
9.4	Contamination and interference	AF-PR-9300-006; AF-RG-9300-004; AF-CL-9300-004

10 Metrology, equipment and measurement traceability

Source anchor	Requirement / topic	Working document route
10.1	Measurement-chain definition	AF-PR-9300-007; AF-FR-9300-006; AF-RG-9300-002; AF-SC-9300-002; AF-CL-9300-005
10.2	Calibration and reference basis	AF-PR-9300-007; AF-FR-9300-006; AF-RG-9300-002; AF-SC-9300-002; AF-CL-9300-005
10.3	Intervals and intermediate checks	AF-PR-9300-007; AF-FR-9300-006; AF-RG-9300-002; AF-SC-9300-002; AF-CL-9300-005
10.4	Out-of-tolerance and impact assessment	AF-PR-9300-007; AF-FR-9300-006; AF-RG-9300-002; AF-SC-9300-002; AF-CL-9300-005

11 Measurement uncertainty and conformity decision rules

Source anchor	Requirement / topic	Working document route
11.1	Measurement model	AF-PR-9300-008; AF-FR-9300-007; AF-CL-9300-006; AF-TR-9300-001; AF-WI-9300-007
11.2	Combination and coverage	AF-PR-9300-008; AF-FR-9300-007; AF-CL-9300-006; AF-TR-9300-001; AF-WI-9300-007
11.3	Rule agreed before evaluation	AF-PR-9300-008; AF-FR-9300-007; AF-CL-9300-006; AF-TR-9300-001; AF-WI-9300-007
11.4	Indeterminate outcomes	AF-PR-9300-008; AF-FR-9300-007; AF-CL-9300-006; AF-TR-9300-001; AF-WI-9300-007

12 Data acquisition, processing and digital integrity

Source anchor	Requirement / topic	Working document route
12.1	Acquisition design	AF-PR-9300-009; AF-FR-9300-008; AF-RG-9300-008; AF-CL-9300-007; AF-HB-9300-002; AF-WI-9300-002; AF-WI-9300-006
12.2	Raw data and provenance	AF-PR-9300-009; AF-FR-9300-008; AF-RG-9300-008; AF-CL-9300-007; AF-HB-9300-002; AF-WI-9300-002; AF-WI-9300-006
12.3	Software and automated decisions	AF-PR-9300-009; AF-FR-9300-008; AF-RG-9300-008; AF-CL-9300-007; AF-HB-9300-002; AF-WI-9300-002; AF-WI-9300-006
12.4	Storage, transfer and recovery	AF-PR-9300-009; AF-FR-9300-008; AF-RG-9300-008; AF-CL-9300-007; AF-HB-9300-002; AF-WI-9300-002; AF-WI-9300-006

13 Test safety and readiness authorization

Source anchor	Requirement / topic	Working document route
13.1	Hazard assessment	AF-PL-9300-002; AF-PR-9300-010; AF-FR-9300-009; AF-RG-9300-006; AF-CL-9300-008; AF-WI-9300-003
13.2	Limits, interlocks and stop conditions	AF-PL-9300-002; AF-PR-9300-010; AF-FR-9300-009; AF-RG-9300-006; AF-CL-9300-008; AF-WI-9300-003
13.3	Readiness review	AF-PL-9300-002; AF-PR-9300-010; AF-FR-9300-009; AF-RG-9300-006; AF-CL-9300-008; AF-WI-9300-003
13.4	Change between readiness and execution	AF-PL-9300-002; AF-PR-9300-010; AF-FR-9300-009; AF-RG-9300-006; AF-CL-9300-008; AF-WI-9300-003

14 Execution, observations and anomaly control

Source anchor	Requirement / topic	Working document route
14.1	Controlled start and run	AF-PR-9300-011; AF-PR-9300-012; AF-FR-9300-010; AF-FR-9300-011; AF-FR-9300-012; AF-RG-9300-007; AF-CL-9300-009; AF-WI-9300-004; AF-WI-9300-005; AF-WI-9300-008
14.2	Exposure accounting	AF-PR-9300-011; AF-PR-9300-012; AF-FR-9300-010; AF-FR-9300-011; AF-FR-9300-012; AF-RG-9300-007; AF-CL-9300-009; AF-WI-9300-004; AF-WI-9300-005; AF-WI-9300-008
14.3	Anomaly triage	AF-PR-9300-011; AF-PR-9300-012; AF-FR-9300-010; AF-FR-9300-011; AF-FR-9300-012; AF-RG-9300-007; AF-CL-9300-009; AF-WI-9300-004; AF-WI-9300-005; AF-WI-9300-008
14.4	Retest and resumption	AF-PR-9300-011; AF-PR-9300-012; AF-FR-9300-010; AF-FR-9300-011; AF-FR-9300-012; AF-RG-9300-007; AF-CL-9300-009; AF-WI-9300-004; AF-WI-9300-005; AF-WI-9300-008

15 Result reduction, interpretation and technical review

Source anchor	Requirement / topic	Working document route
15.1	Processing plan	AF-PR-9300-013; AF-FR-9300-013; AF-CL-9300-010
15.2	Data validity and completeness	AF-PR-9300-013; AF-FR-9300-013; AF-CL-9300-010
15.3	Interpretation and uncertainty	AF-PR-9300-013; AF-FR-9300-013; AF-CL-9300-010
15.4	Independent technical review	AF-PR-9300-013; AF-FR-9300-013; AF-CL-9300-010

16 Statistical evidence and reliability demonstration

Source anchor	Requirement / topic	Working document route
16.1	Claim and population	AF-PR-9300-014; AF-FR-9300-014; AF-CL-9300-011; AF-TR-9300-001
16.2	Plan before data	AF-PR-9300-014; AF-FR-9300-014; AF-CL-9300-011; AF-TR-9300-001
16.3	Failure and censoring	AF-PR-9300-014; AF-FR-9300-014; AF-CL-9300-011; AF-TR-9300-001
16.4	Accelerated and extrapolated evidence	AF-PR-9300-014; AF-FR-9300-014; AF-CL-9300-011; AF-TR-9300-001

17 Analysis, simulation and model-based evidence

Source anchor	Requirement / topic	Working document route
17.1	Intended use and credibility	AF-PR-9300-015; AF-FR-9300-015; AF-TP-9300-013; AF-CL-9300-012
17.2	Model verification	AF-PR-9300-015; AF-FR-9300-015; AF-TP-9300-013; AF-CL-9300-012
17.3	Validation and calibration separation	AF-PR-9300-015; AF-FR-9300-015; AF-TP-9300-013; AF-CL-9300-012
17.4	Use, update and communication	AF-PR-9300-015; AF-FR-9300-015; AF-TP-9300-013; AF-CL-9300-012

18 Design and process qualification

Source anchor	Requirement / topic	Working document route
18.1	Qualification basis	AF-PL-9300-004; AF-PR-9300-016; AF-FR-9300-016; AF-RG-9300-009; AF-CL-9300-013; AF-HB-9300-001
18.2	Article and sequence philosophy	AF-PL-9300-004; AF-PR-9300-016; AF-FR-9300-016; AF-RG-9300-009; AF-CL-9300-013; AF-HB-9300-001
18.3	Qualification dossier and decision	AF-PL-9300-004; AF-PR-9300-016; AF-FR-9300-016; AF-RG-9300-009; AF-CL-9300-013; AF-HB-9300-001
18.4	Family qualification and similarity	AF-PL-9300-004; AF-PR-9300-016; AF-FR-9300-016; AF-RG-9300-009; AF-CL-9300-013; AF-HB-9300-001

19 Acceptance, screening and delivery evidence

Source anchor	Requirement / topic	Working document route
19.1	Acceptance purpose and plan	AF-PR-9300-017; AF-FR-9300-017; AF-RG-9300-009; AF-CL-9300-014
19.2	Unit and lot decisions	AF-PR-9300-017; AF-FR-9300-017; AF-RG-9300-009; AF-CL-9300-014
19.3	Installation and commissioning	AF-PR-9300-017; AF-FR-9300-017; AF-RG-9300-009; AF-CL-9300-014
19.4	Delivery and preservation	AF-PR-9300-017; AF-FR-9300-017; AF-RG-9300-009; AF-CL-9300-014

20 Thermal, climatic, pressure and space-environment testing

Source anchor	Requirement / topic	Working document route
20.1	Environment derivation	AF-PR-9300-018; AF-TP-9300-002; AF-TP-9300-009; AF-CL-9300-015
20.2	Thermal and climatic conditions	AF-PR-9300-018; AF-TP-9300-002; AF-TP-9300-009; AF-CL-9300-015
20.3	Pressure, vacuum and leakage	AF-PR-9300-018; AF-TP-9300-002; AF-TP-9300-009; AF-CL-9300-015
20.4	Radiation and mission-specific exposures	AF-PR-9300-018; AF-TP-9300-002; AF-TP-9300-009; AF-CL-9300-015

21 Vibration, shock, acoustics and transport dynamics

Source anchor	Requirement / topic	Working document route
21.1	Dynamic profile and coordinate basis	AF-PR-9300-018; AF-TP-9300-003; AF-CL-9300-015
21.2	Control and response measurement	AF-PR-9300-018; AF-TP-9300-003; AF-CL-9300-015
21.3	Fixture interaction and sequence	AF-PR-9300-018; AF-TP-9300-003; AF-CL-9300-015
21.4	Result interpretation	AF-PR-9300-018; AF-TP-9300-003; AF-CL-9300-015

22 Structural, fatigue, durability and mechanism verification

Source anchor	Requirement / topic	Working document route
22.1	Loads and boundary representation	AF-PR-9300-018; AF-TP-9300-004; AF-CL-9300-015
22.2	Static strength and functional integrity	AF-PR-9300-018; AF-TP-9300-004; AF-CL-9300-015
22.3	Fatigue and durability	AF-PR-9300-018; AF-TP-9300-004; AF-CL-9300-015
22.4	Mechanisms and interfaces	AF-PR-9300-018; AF-TP-9300-004; AF-CL-9300-015

23 Electromagnetic, electrical and interface compatibility

Source anchor	Requirement / topic	Working document route
23.1	Scope and configurations	AF-PR-9300-018; AF-TP-9300-005; AF-CL-9300-016
23.2	Measurement and exposure arrangement	AF-PR-9300-018; AF-TP-9300-005; AF-CL-9300-016
23.3	Functional criteria and monitoring	AF-PR-9300-018; AF-TP-9300-005; AF-CL-9300-016
23.4	Electrical power and compatibility	AF-PR-9300-018; AF-TP-9300-005; AF-CL-9300-016

24 Propulsion, energy storage, pressure systems and hazardous interfaces

Source anchor	Requirement / topic	Working document route
24.1	Evidence and safety boundary	AF-PR-9300-018; AF-TP-9300-006; AF-CL-9300-016
24.2	Performance and condition	AF-PR-9300-018; AF-TP-9300-006; AF-CL-9300-016
24.3	Failure detection and post-test condition	AF-PR-9300-018; AF-TP-9300-006; AF-CL-9300-016
24.4	Integration and qualification transfer	AF-PR-9300-018; AF-TP-9300-006; AF-CL-9300-016

25 Materials, manufacturing processes and nondestructive evaluation

Source anchor	Requirement / topic	Working document route
25.1	Material and specimen pedigree	AF-PR-9300-018; AF-TP-9300-007; AF-TP-9300-012; AF-CL-9300-017
25.2	Process qualification	AF-PR-9300-018; AF-TP-9300-007; AF-TP-9300-012; AF-CL-9300-017
25.3	Nondestructive evaluation capability	AF-PR-9300-018; AF-TP-9300-007; AF-TP-9300-012; AF-CL-9300-017
25.4	Interpretation and release	AF-PR-9300-018; AF-TP-9300-007; AF-TP-9300-012; AF-CL-9300-017

26 Software, programmable systems, AI and automated test systems

Source anchor	Requirement / topic	Working document route
26.1	Baseline and requirement coverage	AF-PR-9300-018; AF-TP-9300-008; AF-CL-9300-017
26.2	Test design and independence	AF-PR-9300-018; AF-TP-9300-008; AF-CL-9300-017
26.3	AI and data-dependent behavior	AF-PR-9300-018; AF-TP-9300-008; AF-CL-9300-017
26.4	Automated test and cybersecurity interfaces	AF-PR-9300-018; AF-TP-9300-008; AF-CL-9300-017

27 Human factors, operational validation and field trials

Source anchor	Requirement / topic	Working document route
27.1	Intended use and scenarios	AF-PR-9300-018; AF-TP-9300-010; AF-TP-9300-011; AF-TP-9300-014; AF-CL-9300-018
27.2	Participants and representativeness	AF-PR-9300-018; AF-TP-9300-010; AF-TP-9300-011; AF-TP-9300-014; AF-CL-9300-018
27.3	Observation and interpretation	AF-PR-9300-018; AF-TP-9300-010; AF-TP-9300-011; AF-TP-9300-014; AF-CL-9300-018
27.4	Operational evidence and continuing validation	AF-PR-9300-018; AF-TP-9300-010; AF-TP-9300-011; AF-TP-9300-014; AF-CL-9300-018

28 External providers, witnessing and evidence reuse

Source anchor	Requirement / topic	Working document route
28.1	Provider selection and flow-down	AF-PR-9300-019; AF-FR-9300-018; AF-RG-9300-011; AF-CL-9300-019
28.2	Witnessing and remote activity	AF-PR-9300-019; AF-FR-9300-018; AF-RG-9300-011; AF-CL-9300-019
28.3	Reuse and equivalence	AF-PR-9300-019; AF-FR-9300-018; AF-RG-9300-011; AF-CL-9300-019
28.4	Provider change and adverse information	AF-PR-9300-019; AF-FR-9300-018; AF-RG-9300-011; AF-CL-9300-019

29 Test reports, qualification statements and truthful claims

Source anchor	Requirement / topic	Working document route
29.1	Report content	AF-PR-9300-020; AF-FR-9300-019; AF-RG-9300-012; AF-CL-9300-019; AF-WI-9300-009
29.2	Conformity and qualification statements	AF-PR-9300-020; AF-FR-9300-019; AF-RG-9300-012; AF-CL-9300-019; AF-WI-9300-009
29.3	Review and issue	AF-PR-9300-020; AF-FR-9300-019; AF-RG-9300-012; AF-CL-9300-019; AF-WI-9300-009
29.4	Amendments and withdrawal	AF-PR-9300-020; AF-FR-9300-019; AF-RG-9300-012; AF-CL-9300-019; AF-WI-9300-009

30 Change, qualification validity and requalification

Source anchor	Requirement / topic	Working document route
30.1	Change identification	AF-PR-9300-021; AF-FR-9300-020; AF-FR-9300-021; AF-RG-9300-010; AF-CL-9300-020; AF-WI-9300-010
30.2	Impact and bridging analysis	AF-PR-9300-021; AF-FR-9300-020; AF-FR-9300-021; AF-RG-9300-010; AF-CL-9300-020; AF-WI-9300-010
30.3	Requalification programme	AF-PR-9300-021; AF-FR-9300-020; AF-FR-9300-021; AF-RG-9300-010; AF-CL-9300-020; AF-WI-9300-010
30.4	Reinstatement and continuing status	AF-PR-9300-021; AF-FR-9300-020; AF-FR-9300-021; AF-RG-9300-010; AF-CL-9300-020; AF-WI-9300-010

31 Assurance of testing capability and corrective action

Source anchor	Requirement / topic	Working document route
31.1	Internal assurance	AF-PR-9300-022; AF-FR-9300-022; AF-SC-9300-005; AF-CL-9300-020
31.2	Performance and trend review	AF-PR-9300-022; AF-FR-9300-022; AF-SC-9300-005; AF-CL-9300-020
31.3	Nonconformity and effectiveness	AF-PR-9300-022; AF-FR-9300-022; AF-SC-9300-005; AF-CL-9300-020
31.4	Management review and continuity	AF-PR-9300-022; AF-FR-9300-022; AF-SC-9300-005; AF-CL-9300-020

32 Publication, interpretation and implementation control

Source anchor	Requirement / topic	Working document route
32.1	Publication identity	AF-PR-9300-024; AF-FR-9300-024; AF-ML-9300-001; AF-CL-9300-020
32.2	Interpretation and amendment	AF-PR-9300-024; AF-FR-9300-024; AF-ML-9300-001; AF-CL-9300-020
32.3	Local adoption and claims	AF-PR-9300-024; AF-FR-9300-024; AF-ML-9300-001; AF-CL-9300-020
32.4	Maintenance and access	AF-PR-9300-024; AF-FR-9300-024; AF-ML-9300-001; AF-CL-9300-020

Annex A - Applicability and responsibility closure

Source anchor	Requirement / topic	Working document route
A.1	Selection procedure	AF-PR-9300-001; AF-FR-9300-001; AF-TP-9300-001; AF-CL-9300-001
A.2	Multi-party boundary	AF-PR-9300-001; AF-FR-9300-001; AF-TP-9300-001; AF-CL-9300-001
A.3	Scope changes	AF-PR-9300-001; AF-FR-9300-001; AF-TP-9300-001; AF-CL-9300-001

Annex B - Mandatory programme parameters and common record payload

Source anchor	Requirement / topic	Working document route
B.1	Parameter rule	AF-PR-9300-001; AF-TP-9300-001; AF-CL-9300-001
B.2	Common payload	AF-PR-9300-001; AF-TP-9300-001; AF-CL-9300-001
B.3	Cross-record consistency	AF-PR-9300-001; AF-TP-9300-001; AF-CL-9300-001

Annex C - Verification matrix and requirement closure

Source anchor	Requirement / topic	Working document route
C.1	Minimum matrix columns	AF-PR-9300-003; AF-FR-9300-002; AF-RG-9300-001; AF-CL-9300-001
C.2	Closure logic	AF-PR-9300-003; AF-FR-9300-002; AF-RG-9300-001; AF-CL-9300-001
C.3	Evidence reuse and duplication	AF-PR-9300-003; AF-FR-9300-002; AF-RG-9300-001; AF-CL-9300-001
C.4	Completeness review	AF-PR-9300-003; AF-FR-9300-002; AF-RG-9300-001; AF-CL-9300-001

Annex D - Programme plan and test specification payload

Source anchor	Requirement / topic	Working document route
D.1	Programme plan	AF-PR-9300-002; AF-FR-9300-003; AF-SC-9300-001; AF-CL-9300-001
D.2	Test specification	AF-PR-9300-002; AF-FR-9300-003; AF-SC-9300-001; AF-CL-9300-001
D.3	Hold points and witnesses	AF-PR-9300-002; AF-FR-9300-003; AF-SC-9300-001; AF-CL-9300-001
D.4	Plan closure	AF-PR-9300-002; AF-FR-9300-003; AF-SC-9300-001; AF-CL-9300-001

Annex E - Article pedigree, sampling and custody

Source anchor	Requirement / topic	Working document route
E.1	Pedigree and chain of custody	AF-PR-9300-004; AF-FR-9300-004; AF-RG-9300-003; AF-CL-9300-002; AF-WI-9300-001
E.2	Sampling decision	AF-PR-9300-004; AF-FR-9300-004; AF-RG-9300-003; AF-CL-9300-002; AF-WI-9300-001
E.3	Configuration reconciliation	AF-PR-9300-004; AF-FR-9300-004; AF-RG-9300-003; AF-CL-9300-002; AF-WI-9300-001
E.4	Preservation boundary	AF-PR-9300-004; AF-FR-9300-004; AF-RG-9300-003; AF-CL-9300-002; AF-WI-9300-001

Annex F - Method, facility and measurement capability dossier

Source anchor	Requirement / topic	Working document route
F.1	Capability statement	AF-PR-9300-005; AF-FR-9300-005; AF-RG-9300-004; AF-CL-9300-003; AF-SC-9300-004; AF-PR-9300-006; AF-PR-9300-007; AF-FR-9300-006; AF-RG-9300-002; AF-CL-9300-004; AF-CL-9300-005
F.2	Acceptance and limitations	AF-PR-9300-005; AF-FR-9300-005; AF-RG-9300-004; AF-CL-9300-003; AF-SC-9300-004; AF-PR-9300-006; AF-PR-9300-007; AF-FR-9300-006; AF-RG-9300-002; AF-CL-9300-004; AF-CL-9300-005
F.3	Continuing capability	AF-PR-9300-005; AF-FR-9300-005; AF-RG-9300-004; AF-CL-9300-003; AF-SC-9300-004; AF-PR-9300-006; AF-PR-9300-007; AF-FR-9300-006; AF-RG-9300-002; AF-CL-9300-004; AF-CL-9300-005

Annex G - Uncertainty budgets and decision-rule records

Source anchor	Requirement / topic	Working document route
G.1	Budget minimum content	AF-PR-9300-008; AF-FR-9300-007; AF-CL-9300-006; AF-TR-9300-001; AF-WI-9300-007
G.2	Decision-rule payload	AF-PR-9300-008; AF-FR-9300-007; AF-CL-9300-006; AF-TR-9300-001; AF-WI-9300-007
G.3	Boundary and arithmetic checks	AF-PR-9300-008; AF-FR-9300-007; AF-CL-9300-006; AF-TR-9300-001; AF-WI-9300-007
G.4	Reassessment	AF-PR-9300-008; AF-FR-9300-007; AF-CL-9300-006; AF-TR-9300-001; AF-WI-9300-007

Annex H - Data package and digital workflow validation

Source anchor	Requirement / topic	Working document route
H.1	Evidence package	AF-PR-9300-009; AF-FR-9300-008; AF-RG-9300-008; AF-CL-9300-007; AF-HB-9300-002; AF-WI-9300-002; AF-WI-9300-006
H.2	Prohibited transitions	AF-PR-9300-009; AF-FR-9300-008; AF-RG-9300-008; AF-CL-9300-007; AF-HB-9300-002; AF-WI-9300-002; AF-WI-9300-006
H.3	Validation scenarios	AF-PR-9300-009; AF-FR-9300-008; AF-RG-9300-008; AF-CL-9300-007; AF-HB-9300-002; AF-WI-9300-002; AF-WI-9300-006
H.4	Recovery acceptance	AF-PR-9300-009; AF-FR-9300-008; AF-RG-9300-008; AF-CL-9300-007; AF-HB-9300-002; AF-WI-9300-002; AF-WI-9300-006

Annex I - Test readiness, hold points and restart

Source anchor	Requirement / topic	Working document route
I.1	Readiness gate	AF-PL-9300-002; AF-PR-9300-010; AF-FR-9300-009; AF-RG-9300-006; AF-CL-9300-008; AF-WI-9300-003
I.2	Bounded release to test	AF-PL-9300-002; AF-PR-9300-010; AF-FR-9300-009; AF-RG-9300-006; AF-CL-9300-008; AF-WI-9300-003
I.3	Restart after interruption	AF-PL-9300-002; AF-PR-9300-010; AF-FR-9300-009; AF-RG-9300-006; AF-CL-9300-008; AF-WI-9300-003

Annex J - Anomaly, deviation and retest dossier

Source anchor	Requirement / topic	Working document route
J.1	Event record	AF-PR-9300-011; AF-PR-9300-012; AF-FR-9300-010; AF-FR-9300-011; AF-FR-9300-012; AF-RG-9300-007; AF-CL-9300-009; AF-WI-9300-004; AF-WI-9300-005; AF-WI-9300-008
J.2	Deviations	AF-PR-9300-011; AF-PR-9300-012; AF-FR-9300-010; AF-FR-9300-011; AF-FR-9300-012; AF-RG-9300-007; AF-CL-9300-009; AF-WI-9300-004; AF-WI-9300-005; AF-WI-9300-008
J.3	Retest justification	AF-PR-9300-011; AF-PR-9300-012; AF-FR-9300-010; AF-FR-9300-011; AF-FR-9300-012; AF-RG-9300-007; AF-CL-9300-009; AF-WI-9300-004; AF-WI-9300-005; AF-WI-9300-008
J.4	Closure and historical impact	AF-PR-9300-011; AF-PR-9300-012; AF-FR-9300-010; AF-FR-9300-011; AF-FR-9300-012; AF-RG-9300-007; AF-CL-9300-009; AF-WI-9300-004; AF-WI-9300-005; AF-WI-9300-008

Annex K - Test report and statement content

Source anchor	Requirement / topic	Working document route
K.1	Report architecture	AF-PR-9300-020; AF-FR-9300-019; AF-RG-9300-012; AF-CL-9300-019; AF-WI-9300-009
K.2	Statement patterns	AF-PR-9300-020; AF-FR-9300-019; AF-RG-9300-012; AF-CL-9300-019; AF-WI-9300-009
K.3	Partial and restricted results	AF-PR-9300-020; AF-FR-9300-019; AF-RG-9300-012; AF-CL-9300-019; AF-WI-9300-009
K.4	Amendment record	AF-PR-9300-020; AF-FR-9300-019; AF-RG-9300-012; AF-CL-9300-019; AF-WI-9300-009

Annex L - Qualification and acceptance decision packages

Source anchor	Requirement / topic	Working document route
L.1	Qualification package	AF-PL-9300-004; AF-PR-9300-016; AF-FR-9300-016; AF-RG-9300-009; AF-CL-9300-013; AF-HB-9300-001; AF-PR-9300-017; AF-FR-9300-017; AF-CL-9300-014
L.2	Decision outputs	AF-PL-9300-004; AF-PR-9300-016; AF-FR-9300-016; AF-RG-9300-009; AF-CL-9300-013; AF-HB-9300-001; AF-PR-9300-017; AF-FR-9300-017; AF-CL-9300-014
L.3	Acceptance package	AF-PL-9300-004; AF-PR-9300-016; AF-FR-9300-016; AF-RG-9300-009; AF-CL-9300-013; AF-HB-9300-001; AF-PR-9300-017; AF-FR-9300-017; AF-CL-9300-014
L.4	Suspension and withdrawal	AF-PL-9300-004; AF-PR-9300-016; AF-FR-9300-016; AF-RG-9300-009; AF-CL-9300-013; AF-HB-9300-001; AF-PR-9300-017; AF-FR-9300-017; AF-CL-9300-014

Annex M - Change, bridging and requalification matrix

Source anchor	Requirement / topic	Working document route
M.1	Impact fields	AF-PR-9300-021; AF-FR-9300-020; AF-FR-9300-021; AF-RG-9300-010; AF-CL-9300-020; AF-WI-9300-010
M.2	Essential variables	AF-PR-9300-021; AF-FR-9300-020; AF-FR-9300-021; AF-RG-9300-010; AF-CL-9300-020; AF-WI-9300-010
M.3	Partial requalification	AF-PR-9300-021; AF-FR-9300-020; AF-FR-9300-021; AF-RG-9300-010; AF-CL-9300-020; AF-WI-9300-010
M.4	Transition closure	AF-PR-9300-021; AF-FR-9300-020; AF-FR-9300-021; AF-RG-9300-010; AF-CL-9300-020; AF-WI-9300-010

Annex N - External provider and witnessed-evidence acceptance

Source anchor	Requirement / topic	Working document route
N.1	Provider capability review	AF-PR-9300-019; AF-FR-9300-018; AF-RG-9300-011; AF-CL-9300-019
N.2	Witness record	AF-PR-9300-019; AF-FR-9300-018; AF-RG-9300-011; AF-CL-9300-019
N.3	Receiving acceptance	AF-PR-9300-019; AF-FR-9300-018; AF-RG-9300-011; AF-CL-9300-019
N.4	Invalid evidence notification	AF-PR-9300-019; AF-FR-9300-018; AF-RG-9300-011; AF-CL-9300-019

Annex O - Assurance findings and capability evaluation

Source anchor	Requirement / topic	Working document route
O.1	Evaluation plan	AF-PR-9300-022; AF-FR-9300-022; AF-SC-9300-005; AF-CL-9300-020
O.2	Findings	AF-PR-9300-022; AF-FR-9300-022; AF-SC-9300-005; AF-CL-9300-020
O.3	Corrective action and effectiveness	AF-PR-9300-022; AF-FR-9300-022; AF-SC-9300-005; AF-CL-9300-020
O.4	Continuing capability and complaints	AF-PR-9300-022; AF-FR-9300-022; AF-SC-9300-005; AF-CL-9300-020

Annex P - Publication and local adoption controls

Source anchor	Requirement / topic	Working document route
P.1	Publication dossier	AF-PR-9300-024; AF-FR-9300-024; AF-ML-9300-001; AF-CL-9300-020; AF-SC-9300-005
P.2	Current manuscript boundary	AF-PR-9300-024; AF-FR-9300-024; AF-ML-9300-001; AF-CL-9300-020; AF-SC-9300-005
P.3	Local adoption dossier	AF-PR-9300-024; AF-FR-9300-024; AF-ML-9300-001; AF-CL-9300-020; AF-SC-9300-005
P.4	Controlled maintenance	AF-PR-9300-024; AF-FR-9300-024; AF-ML-9300-001; AF-CL-9300-020; AF-SC-9300-005

Annex Q - Reproducible quantitative examples (informative)

Source anchor	Requirement / topic	Working document route
Q.1	Combining an uncertainty budget	AF-TR-9300-001
Q.2	Correlation changes the result	AF-TR-9300-001
Q.3	A three-state upper-limit decision	AF-TR-9300-001
Q.4	Zero-failure independent-demand demonstration	AF-TR-9300-001
Q.5	Zero-failure exposure under a constant-rate model	AF-TR-9300-001
Q.6	PSD integration and RMS	AF-TR-9300-001
Q.7	Decibels, amplitude and power	AF-TR-9300-001
Q.8	Exposure accounting after a control excursion	AF-TR-9300-001
Q.9	Guarded performance margin	AF-TR-9300-001
Q.10	Illustrative cumulative-damage accounting	AF-TR-9300-001
Q.11	Model residuals and a local acceptance criterion	AF-TR-9300-001
Q.12	Capability and coverage metrics without compensating scores	AF-TR-9300-001

Annex R - Integrated worked cases and decision trails (informative)

Source anchor	Requirement / topic	Working document route
R.1	Thermal exposure with incomplete article stability	AF-IG-9300-001; AF-HB-9300-001; AF-TM-9300-001
R.2	Vibration response channel clips while control remains valid	AF-IG-9300-001; AF-HB-9300-001; AF-TM-9300-001
R.3	Calibration drift affects previously issued reports	AF-IG-9300-001; AF-HB-9300-001; AF-TM-9300-001
R.4	A tuned simulation predicts its own calibration data	AF-IG-9300-001; AF-HB-9300-001; AF-TM-9300-001
R.5	A supplier change affects qualified electronics	AF-IG-9300-001; AF-HB-9300-001; AF-TM-9300-001
R.6	Lot acceptance confused with design reliability	AF-IG-9300-001; AF-HB-9300-001; AF-TM-9300-001
R.7	Automated test software treats missing data as success	AF-IG-9300-001; AF-HB-9300-001; AF-TM-9300-001
R.8	Remote witnessing with an unobserved configuration change	AF-IG-9300-001; AF-HB-9300-001; AF-TM-9300-001

Annex S - Evidence and decision diagrams (informative)

Source anchor	Requirement / topic	Working document route
S.1	Requirement-to-result chain	AF-IG-9300-001; AF-HB-9300-001; AF-HB-9300-002
S.2	Separate execution, evidence and requirement states	AF-IG-9300-001; AF-HB-9300-001; AF-HB-9300-002
S.3	Anomaly and retest disposition	AF-IG-9300-001; AF-HB-9300-001; AF-HB-9300-002
S.4	Change and qualification continuity	AF-IG-9300-001; AF-HB-9300-001; AF-HB-9300-002

Annex T - Activity-based implementation routes (informative)

Source anchor	Requirement / topic	Working document route
T.1	Laboratory or test facility	AF-IG-9300-001; AF-TP-9300-001
T.2	Design and qualification authority	AF-IG-9300-001; AF-TP-9300-001
T.3	Space system or mission hardware	AF-IG-9300-001; AF-TP-9300-001
T.4	Aviation, UAS or operational trial	AF-IG-9300-001; AF-TP-9300-001
T.5	Maintenance and ground-support equipment	AF-IG-9300-001; AF-TP-9300-001
T.6	Manufacturing or special-process qualification	AF-IG-9300-001; AF-TP-9300-001
T.7	Software, AI or automated test provider	AF-IG-9300-001; AF-TP-9300-001
T.8	Supplier and external evidence recipient	AF-IG-9300-001; AF-TP-9300-001

Annex U - Interpretation questions and boundary examples (informative)

Source anchor	Requirement / topic	Working document route
U.1	Does a completed test mean PASS?	AF-FAQ-9300-001
U.2	Can acceptance testing replace qualification?	AF-FAQ-9300-001
U.3	Is calibration sufficient to validate a method?	AF-FAQ-9300-001
U.4	Is a result inside the nominal limit automatically conforming?	AF-FAQ-9300-001
U.5	Can a failing run be discarded after a successful retest?	AF-FAQ-9300-001
U.6	Can a model replace a physical test?	AF-FAQ-9300-001
U.7	Are zero failures proof of perfect reliability?	AF-FAQ-9300-001
U.8	Does a qualification transfer to a similar product?	AF-FAQ-9300-001
U.9	Can a supplier or remote witness issue the final qualification?	AF-FAQ-9300-001
U.10	Can N/A be used when testing is unavailable?	AF-FAQ-9300-001
U.11	Does the standard impose one validity period?	AF-FAQ-9300-001
U.12	Are the example numbers mandatory?	AF-FAQ-9300-001

Annex V - Navigation and implementation crosswalk (informative)

Source anchor	Requirement / topic	Working document route
V.1	Requirement families	AF-ML-9300-001; AF-CM-9300-001; AF-IG-9300-001
V.2	Practical order of implementation	AF-ML-9300-001; AF-CM-9300-001; AF-IG-9300-001
V.3	Completeness questions	AF-ML-9300-001; AF-CM-9300-001; AF-IG-9300-001