



AF-IG-9600-001

Implementation Guide

Space / Aviation / Defense

FIRST EDITION

AF 9600 SUPPORTING DOCUMENT

Document identity and use

FIRST EDITION MANUSCRIPT - Prepared for Aerospace Federation review

Field	Controlled identity
Document	AF-IG-9600-001 - Implementation Guide
Parent standard	AF 9600 - Artificial Intelligence, Autonomous Systems & Interoperability
Edition / language	FIRST EDITION / English master text
Family	Companions
Primary source anchors	0-40; Annexes A-T
Suggested local owner	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 9600 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-9600-001 lists the complete supporting set. AF-CM-9600-001 maps the main clauses and annexes to working documents. AF-TP-9600-001 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 Keep superseded evidence and decisions traceable.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 technical limit, 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 Select a representative complete function

Choose a bounded real function and identify its users, effects, domain and authority using AF-PR-9600-001 and AF-PR-9600-002. Complete AF-TP-9600-001 and relevant discipline profiles. The objective is an interpretable end-to-end trail, not merely a populated document inventory.

1.1 Establish ownership and requirements

Use AF-PR-9600-003/004/005 for scenarios, architecture, trace and gates. Assign eligible roles and verify independent review. Resolve unknown essential parameters before accepting dependent work.

2 Demonstrate data and model assurance

Use AF-PR-9600-006 through AF-PR-9600-011 to establish lineage, quality, partitions, learning, evaluation and robustness. Select AF-PR-9600-012 or AF-PR-9600-013 for adaptive or agentic functions. Keep rejected candidates and unfavorable results interpretable.

2.1 Check a complete evidence trail

Select one critical requirement and trace its data, model, reference truth, test, finding and intended deployment. Use AF-TR-9600-001 to examine denominator, uncertainty and timing reasoning without adopting its synthetic numbers as defaults.

3 Demonstrate autonomous and interoperable behavior

Use AF-PR-9600-014 through AF-PR-9600-020 for perception, control, collective behavior, human roles and interfaces. Exercise wrong units, stale data, failed handover and interrupted commands. Retain exact peer versions in AF-RG-9600-008.

3.1 Protect and integrate the actual configuration

Use AF-PR-9600-021/022/023/024 for trust, suppliers, models of the system and integrated evaluation. Apply AF-PR-9600-025 to the actual aerospace context. Unverified assumptions remain restrictions, even when individual components pass.

4 Exercise deployment and adverse operation

Use AF-PR-9600-026/027/028 to stage authority, confirm actual state, interpret monitoring and recover. Demonstrate reconciliation of learned memory, transactions, physical effects and partner state before return.

5 Review claims and expand scope

Use AF-PR-9600-029 for release, changes, legacy use and retirement. Use AF-CL-9600-024 and AF-PR-9600-030 for continuing review. Expand only after the additional domain, participants and authority have the required evidence.

6 Adopt and maintain the controlled set

Use AF-ML-9600-001 for the inventory and AF-CM-9600-001 for every main subclause and annex route. Authenticate local adoption with complete parameters and actual implementation records. Templates supply structure; they do not pre-enter results or approvals.

Required evidence: A representative complete function supported by actual data, behavior, interfaces, recovery and bounded decisions.