AEROSPACE FEDERATION

AF-PR-9600-020

Protocol, Command State and Service Quality

Space / Aviation / Defense

FIRST EDITION

AF 9600 SUPPORTING DOCUMENT

Aerospace Federation
af.org

Document identity and use

FIRST EDITION MANUSCRIPT - Prepared for Aerospace Federation review

Field	Controlled identity
Document	AF-PR-9600-020 - Protocol, Command State and Service Quality
Parent standard	AF 9600 - Artificial Intelligence, Autonomous Systems & Interoperability
Edition / language	FIRST EDITION / English master text
Family	Procedures
Primary source anchors	25; Annex H
Suggested local owner	Procedure owner identified in execution table
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 Keep superseded evidence and decisions traceable.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 Purpose, trigger and inputs

Communication behavior, consequential commands or restart logic changes.

Required inputs: Contracts, deadlines, authority, workload and failure cases.

Use the complete parent requirements at 25; Annex H. Assign an eligible owner to each step; retain the actual baseline and time of each significant action.

2 Controlled execution

Step / responsible role	Required action	Retained output
1 / Protocol owner	Specify discovery, sequencing, delivery and resource behavior.	Protocol baseline
2 / Command owner	Define execution identity, states, retries and deduplication.	Command-state model
3 / Evaluator	Test partitions, overload, crashes and ambiguous completion.	Distributed-state evidence
4 / System authority	Accept only supported timing and effect claims.	Protocol decision

Decision control: Receipt is not completed effect; transport reliability is not exactly-once execution.

2.1 Exceptions and escalation

Preserve the observed condition, affected object, evidence and decision state. Refer a deviation or anomaly to its eligible technical authority. Record why a departure is acceptable, what remains blocked and whether readiness, qualification, acceptance or release must be reconsidered.

3 Closure and handoff

Verified protocol behavior with authoritative state and reconciliation.

The receiving owner verifies the outputs. Open items retain an owner, due basis and blocked scope; a due date does not authorize closure.

3.1 Working records

AF-FR-9600-020, AF-TP-9600-012, AF-CL-9600-019, AF-WI-9600-009, AF-TR-9600-001. Consult AF-ML-9600-001 for titles and locations. Reopen affected steps when configuration, conditions, evidence validity or delegated authority changes. Verify the actual technical handoff during assurance review.