



ASTRA

AEROSPACE STANDARD

MASTER LIST AND PACKAGE INDEX

Documentation Development Master List

AF-AST-ML-001

FIRST EDITION

30 September 2026 | English master text
Aviation / Space / Defense / Future systems

Publication identity and use

Control	Publication information
Code and title	AF-AST-ML-001 – Documentation Development Master List
Edition and publication date	FIRST EDITION 30 September 2026 English master text
Accountable function	Quality Manager
Controlling technical basis	AF-AST-STD-001 / AF ASTRA-100:2026; supplied 248-page FIRST EDITION, Clauses 0–80 and Annexes A–AR.
Source fingerprint	fe0f775b3f57e43c7ad6b3d4ab17ac0ff872d3ce8c88fcd9ae9a0116b23209b1
Portfolio	108 retained document codes; F01–F08; 68 retained technical subjects. All-space and verification domains are applicability tags, not additional families.
Publication and operation	Prepared publication. Actual technical approval, consultation, institutional adoption, operational effectivity and individual scope activation require separate authentic records.

Purpose and application

Code-preserving inventory and source-to-document navigation for the expanded 108-PDF ASTRA collection. The supplied 248-page core is retained unchanged; the other 107 documents are developed against its Clauses 0–80 and applicable annexes.

Source requirements and added implementation detail

The controlling ASTRA source is identified above by content fingerprint. Numbered source clauses and annexes retain their own authority. The retained operating material is restructured and expanded with implementation methods, additional profile controls, worked synthetic examples, decision diagrams and record contracts. Added implementation detail is not presented as an earlier institutional approval or as a change to the supplied core standard. Any additional binding criterion requires the applicable technical adoption process.

The displayed publication date identifies the edition; it is not a fabricated authoring, test, approval or operational date. Actual records retain genuine event times and controlled versions. No named outside organisation or standard is incorporated as a normative reference. AF internal instruments and separate legal or contractual duties remain applicable within their actual scope.

Acceptance boundary

A positive grant requires every applicable mandatory condition to PASS, every N/A to have independent justification, every in-scope nonconformity to be verified closed, and competent independent authority. HOLD, unknown state, missing evidence, a favourable average, a signature image or a completed form cannot substitute for those conditions.

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1 Collection identity and counting rules

Measure	Prepared collection
Retained document codes	108: one supplied core plus 107 expanded supporting publications.
Document-local pages	5,195 pages across the 108 individual PDFs. Combined copies contain the same pages, not additional catalogue titles.
Programme architecture	8 families, F01–F08, and 68 retained technical subjects.
Source requirement population	505 numbered source subclauses in Clauses 0–80; the common checklist includes all 505 and additional annex disposition records.
Technical-control parity	68 × 12 = 816 subject controls in the eight technical books, mirrored in their eight family checklists. Original R01–R06 remain; new R07–R12 are implementation extensions.
Domain and parameter structure	32 all-space domain groups, 38 verification planning domains and 18 parameter groups; these are not new accreditation families.
PDF field instances	14,625 editable field instances across the individual PDFs. These are response fields and metadata, not a count of requirements or completed evidence.
Reading and working copies	Individual checklist/form/register/schedule PDFs contain interactive fields. The full merged reading copy is flattened for navigation and printing; blank fields there are not interactive.
Publication boundary	FIRST EDITION — 30 September 2026. Actual approval, event and effectivity times remain separate authentic records.

This index is not an operational registry. A prepared title, a matching hash, a large page count or a successful calculation test does not show that a scope has been activated, an operator has been accredited or an actual mission is safe. The original source files and the earlier document collection remain separate.

2 Complete delivered-file catalogue

Collection start is the physical page in the complete merged reading PDF. Local page is the page within the individual document. File paths below are relative to the PDF-only archive. Use document codes for controlled references and bookmarks for navigation. The code-to-title relationships are preserved.

Core standard

Code / file path	Retained title	Pages / collection start / fields
AF-AST-STD-001 01_Foundation/AF-AST-STD-001.pdf	ASTRA — AEROSPACE STANDARD	248 pages Starts 1 0 fields

Development plan

Code / file path	Retained title	Pages / collection start / fields
AF-AST-DP-001 01_Foundation/AF-AST-DP-001.pdf	Documentation Architecture and Development Plan	30 pages Starts 249 0 fields

Master list

Code / file path	Retained title	Pages / collection start / fields
AF-AST-ML-001 01_Foundation/AF-AST-ML-001.pdf	Documentation Development Master List	59 pages Starts 279 0 fields

Policies

Code / file path	Retained title	Pages / collection start / fields
AF-AST-PL-001 02_Policies/AF-AST-PL-001.pdf	Participation, Scope and Service Access Policy	32 pages Starts 338 0 fields
AF-AST-PL-002 02_Policies/AF-AST-PL-002.pdf	Technical Assurance and Evidence Reliance Policy	48 pages Starts 370 0 fields
AF-AST-PL-003 02_Policies/AF-AST-PL-003.pdf	Environmental Statements and Claims Policy	38 pages Starts 418 0 fields
AF-AST-PL-004 02_Policies/AF-AST-PL-004.pdf	Future Technology and Digital Assurance Policy	50 pages Starts 456 0 fields

Manuals

Code / file path	Retained title	Pages / collection start / fields
AF-AST-HB-001 03_Manuals/AF-AST-HB-001.pdf	Programme Operations Manual	150 pages Starts 506 0 fields
AF-AST-HB-002 03_Manuals/AF-AST-HB-002.pdf	Technical Provider Accreditation Manual	86 pages Starts 656 0 fields
AF-AST-HB-003 03_Manuals/AF-AST-HB-003.pdf	Sector Capability Assessment Manual	127 pages Starts 742 0 fields
AF-AST-HB-004 03_Manuals/AF-AST-HB-004.pdf	Independent Review and Decision Manual	62 pages Starts 869 0 fields
AF-AST-HB-005 03_Manuals/AF-AST-HB-005.pdf	Registry and Evidence Administration Manual	58 pages Starts 931 0 fields

Guides

Code / file path	Retained title	Pages / collection start / fields
AF-AST-GD-001 04_Guides/AF-AST-GD-001.pdf	Applicant Guide	55 pages Starts 989 0 fields
AF-AST-GD-002 04_Guides/AF-AST-GD-002.pdf	Assessor and Technical Expert Guide	60 pages Starts 1044 0 fields
AF-AST-GD-003 04_Guides/AF-AST-GD-003.pdf	Technical Profile Development Guide	61 pages Starts 1104 0 fields
AF-AST-GD-004 04_Guides/AF-AST-GD-004.pdf	Self-Assessment and Readiness Guide	61 pages Starts 1165 0 fields
AF-AST-GD-005 04_Guides/AF-AST-GD-005.pdf	Laboratory, Calibration and Inspection Guide	58 pages Starts 1226 0 fields
AF-AST-GD-006 04_Guides/AF-AST-GD-006.pdf	Education Programme Guide	41 pages Starts 1284 0 fields
AF-AST-GD-007 04_Guides/AF-AST-GD-007.pdf	Airport and Aerodrome Guide	59 pages Starts 1325 0 fields
AF-AST-GD-008 04_Guides/AF-AST-GD-008.pdf	Maintenance and Technical Services Guide	64 pages Starts 1384 0 fields
AF-AST-GD-009 04_Guides/AF-AST-GD-009.pdf	Ground Operations and Station Guide	60 pages Starts 1448 0 fields
AF-AST-GD-010 04_Guides/AF-AST-GD-010.pdf	Carbon, Environment and Climate Guide	47 pages Starts 1508 0 fields
AF-AST-GD-011 04_Guides/AF-AST-GD-011.pdf	Digital and Emerging Methods Guide	100 pages Starts 1555 0 fields
AF-AST-GD-012 04_Guides/AF-AST-GD-012.pdf	Frequently Asked Questions	81 pages Starts 1655 0 fields

Procedures

Code / file path	Retained title	Pages / collection start / fields
AF-AST-PR-001 05_Procedures/AF-AST-PR-001.pdf	Document, Record and Version Control	19 pages Starts 1736 0 fields
AF-AST-PR-002 05_Procedures/AF-AST-PR-002.pdf	Normative Development, Consultation and Profile Release	20 pages Starts 1755 0 fields
AF-AST-PR-003 05_Procedures/AF-AST-PR-003.pdf	Application, Eligibility and Contract Review	18 pages Starts 1775 0 fields
AF-AST-PR-004 05_Procedures/AF-AST-PR-004.pdf	Scope Definition, Applicability and Evidence Reuse	21 pages Starts 1793 0 fields
AF-AST-PR-005 05_Procedures/AF-AST-PR-005.pdf	Personnel Qualification, Authorisation and Monitoring	19 pages Starts 1814 0 fields
AF-AST-PR-006 05_Procedures/AF-AST-PR-006.pdf	Impartiality Screening and Case Recusal	18 pages Starts 1833 0 fields
AF-AST-PR-007 05_Procedures/AF-AST-PR-007.pdf	Assessment Planning, Resources and Site Coverage	21 pages Starts 1851 0 fields
AF-AST-PR-008 05_Procedures/AF-AST-PR-008.pdf	Remote and Hybrid Assessment Control	20 pages Starts 1872 0 fields
AF-AST-PR-009 05_Procedures/AF-AST-PR-009.pdf	Technical Witnessing and Method-Family Coverage	22 pages Starts 1892 0 fields
AF-AST-PR-010 05_Procedures/AF-AST-PR-010.pdf	Measurement Traceability, Uncertainty and Decision Rules	25 pages Starts 1914 0 fields
AF-AST-PR-011 05_Procedures/AF-AST-PR-011.pdf	Continuing Validity, Comparisons and Proficiency Activities	21 pages Starts 1939 0 fields
AF-AST-PR-012 05_Procedures/AF-AST-PR-012.pdf	Technical Reporting, Amendments and Report Review	21 pages Starts 1960 0 fields
AF-AST-PR-013 05_Procedures/AF-AST-PR-013.pdf	Nonconformity, Containment and Corrective Action	20 pages Starts 1981 0 fields
AF-AST-PR-014 05_Procedures/AF-AST-PR-014.pdf	Independent Review and Outcome Decisions	22 pages Starts 2001 0 fields
AF-AST-PR-015 05_Procedures/AF-AST-PR-015.pdf	Surveillance, Renewal and Scope Extension	21 pages Starts 2023 0 fields
AF-AST-PR-016 05_Procedures/AF-AST-PR-016.pdf	Restriction, Suspension, Restoration and Withdrawal	19 pages Starts 2044 0 fields
AF-AST-PR-017 05_Procedures/AF-AST-PR-017.pdf	Complaints, Appeals and Independent Remedy	17 pages Starts 2063 0 fields
AF-AST-PR-018 05_Procedures/AF-AST-PR-018.pdf	Protected Reporting and Investigation Interfaces	18 pages Starts 2080 0 fields
AF-AST-PR-019 05_Procedures/AF-AST-PR-019.pdf	Privacy, Confidentiality and Controlled Access	19 pages Starts 2098 0 fields

Code / file path	Retained title	Pages / collection start / fields
AF-AST-PR-020 05_Procedures/AF-AST-PR-020.pdf	Cyber Incidents, Evidence Recovery and Service Continuity	21 pages Starts 2117 0 fields
AF-AST-PR-021 05_Procedures/AF-AST-PR-021.pdf	Credential, Registry and Mark Approval	19 pages Starts 2138 0 fields
AF-AST-PR-022 05_Procedures/AF-AST-PR-022.pdf	Provider Agreements, Authorisation and Outsourced Work	19 pages Starts 2157 0 fields
AF-AST-PR-023 05_Procedures/AF-AST-PR-023.pdf	Fees, Resources and Financial Separation	18 pages Starts 2176 0 fields
AF-AST-PR-024 05_Procedures/AF-AST-PR-024.pdf	Internal Audit, Management Review and Improvement	20 pages Starts 2194 0 fields
AF-AST-PR-025 05_Procedures/AF-AST-PR-025.pdf	Independent Operator Review and Reliance Arrangements	19 pages Starts 2214 0 fields
AF-AST-PR-026 05_Procedures/AF-AST-PR-026.pdf	Education Attainment, Cohort Review and Learner Protection	20 pages Starts 2233 0 fields
AF-AST-PR-027 05_Procedures/AF-AST-PR-027.pdf	Environmental Statement Verification and Validation	23 pages Starts 2253 0 fields
AF-AST-PR-028 05_Procedures/AF-AST-PR-028.pdf	Change, Transition, Transfer and Programme Closure	24 pages Starts 2276 0 fields

Technical profile books

Code / file path	Retained title	Pages / collection start / fields
AF-AST-TP-001 06_Technical_Profiles/AF-AST-TP-001.pdf	Management Systems Assurance - Technical Criteria and Profile Book	77 pages Starts 2300 0 fields
AF-AST-TP-002 06_Technical_Profiles/AF-AST-TP-002.pdf	Critical Processes and Products - Technical Criteria and Profile Book	147 pages Starts 2377 0 fields
AF-AST-TP-003 06_Technical_Profiles/AF-AST-TP-003.pdf	Testing and Inspection - Technical Criteria and Profile Book	132 pages Starts 2524 0 fields
AF-AST-TP-004 06_Technical_Profiles/AF-AST-TP-004.pdf	Education Programmes - Technical Criteria and Profile Book	58 pages Starts 2656 0 fields
AF-AST-TP-005 06_Technical_Profiles/AF-AST-TP-005.pdf	Airports and Aerodromes - Technical Criteria and Profile Book	70 pages Starts 2714 0 fields
AF-AST-TP-006 06_Technical_Profiles/AF-AST-TP-006.pdf	Aircraft Maintenance and Technical Services - Technical Criteria and Profile Book	84 pages Starts 2784 0 fields
AF-AST-TP-007 06_Technical_Profiles/AF-AST-TP-007.pdf	Ground Operations and Aviation Support Services - Technical Criteria and Profile Book	94 pages Starts 2868 0 fields
AF-AST-TP-008 06_Technical_Profiles/AF-AST-TP-008.pdf	Carbon, Environment and Climate Assurance - Technical Criteria and Profile Book	73 pages Starts 2962 0 fields

Checklists

Code / file path	Retained title	Pages / collection start / fields
AF-AST-CL-001 07_Checklists/AF-AST-CL-001.pdf	Common Core and Release-Gate Checklist	315 pages Starts 3035 4374 fields
AF-AST-CL-002 07_Checklists/AF-AST-CL-002.pdf	Management Systems Assurance - Technical Assessment Checklist	55 pages Starts 3350 626 fields
AF-AST-CL-003 07_Checklists/AF-AST-CL-003.pdf	Critical Processes and Products - Technical Assessment Checklist	148 pages Starts 3405 1793 fields
AF-AST-CL-004 07_Checklists/AF-AST-CL-004.pdf	Testing and Inspection - Technical Assessment Checklist	115 pages Starts 3553 1407 fields
AF-AST-CL-005 07_Checklists/AF-AST-CL-005.pdf	Education Programmes - Technical Assessment Checklist	57 pages Starts 3668 657 fields
AF-AST-CL-006 07_Checklists/AF-AST-CL-006.pdf	Airports and Aerodromes - Technical Assessment Checklist	59 pages Starts 3725 697 fields
AF-AST-CL-007 07_Checklists/AF-AST-CL-007.pdf	Aircraft Maintenance and Technical Services - Technical Assessment Checklist	70 pages Starts 3784 845 fields
AF-AST-CL-008 07_Checklists/AF-AST-CL-008.pdf	Ground Operations and Aviation Support Services - Technical Assessment Checklist	77 pages Starts 3854 930 fields
AF-AST-CL-009 07_Checklists/AF-AST-CL-009.pdf	Carbon, Environment and Climate Assurance - Technical Assessment Checklist	61 pages Starts 3931 717 fields

Fillable forms

Code / file path	Retained title	Pages / collection start / fields
AF-AST-FR-001 08_Forms/AF-AST-FR-001.pdf	Programme adoption and scope activation	37 pages Starts 3992 83 fields
AF-AST-FR-002 08_Forms/AF-AST-FR-002.pdf	Application and requested scope	29 pages Starts 4029 73 fields
AF-AST-FR-003 08_Forms/AF-AST-FR-003.pdf	Admission and evidence-reuse review	31 pages Starts 4058 76 fields
AF-AST-FR-004 08_Forms/AF-AST-FR-004.pdf	Technical-profile and criterion schedule	34 pages Starts 4089 81 fields
AF-AST-FR-005 08_Forms/AF-AST-FR-005.pdf	Competence, experience and authorisation	27 pages Starts 4123 71 fields
AF-AST-FR-006 08_Forms/AF-AST-FR-006.pdf	Case conflict and assignment	24 pages Starts 4150 68 fields
AF-AST-FR-007 08_Forms/AF-AST-FR-007.pdf	Assessment plan and time	25 pages Starts 4174 69 fields
AF-AST-FR-008 08_Forms/AF-AST-FR-008.pdf	Remote-method suitability and session	25 pages Starts 4199 66 fields
AF-AST-FR-009 08_Forms/AF-AST-FR-009.pdf	Witness and vertical technical trail	25 pages Starts 4224 68 fields
AF-AST-FR-010 08_Forms/AF-AST-FR-010.pdf	Evidence and sample index	32 pages Starts 4249 75 fields
AF-AST-FR-011 08_Forms/AF-AST-FR-011.pdf	Technical result and measurement decision	29 pages Starts 4281 72 fields
AF-AST-FR-012 08_Forms/AF-AST-FR-012.pdf	Finding, containment and corrective action	26 pages Starts 4310 69 fields
AF-AST-FR-013 08_Forms/AF-AST-FR-013.pdf	Independent review and decision	26 pages Starts 4336 68 fields
AF-AST-FR-014 08_Forms/AF-AST-FR-014.pdf	Scope schedule and certificate instruction	25 pages Starts 4362 68 fields
AF-AST-FR-015 08_Forms/AF-AST-FR-015.pdf	Surveillance, change and renewal	25 pages Starts 4387 66 fields
AF-AST-FR-016 08_Forms/AF-AST-FR-016.pdf	Suspension, restriction, restoration and withdrawal	25 pages Starts 4412 67 fields
AF-AST-FR-017 08_Forms/AF-AST-FR-017.pdf	Complaint, appeal and protected disclosure	28 pages Starts 4437 72 fields
AF-AST-FR-018 08_Forms/AF-AST-FR-018.pdf	Operator agreement and authorisation schedule	25 pages Starts 4465 71 fields
AF-AST-FR-019 08_Forms/AF-AST-FR-019.pdf	Laboratory/inspection competence and validity	32 pages Starts 4490 76 fields

Code / file path	Retained title	Pages / collection start / fields
AF-AST-FR-020 08_Forms/AF-AST-FR-020.pdf	Process qualification and product readiness	36 pages Starts 4522 80 fields
AF-AST-FR-021 08_Forms/AF-AST-FR-021.pdf	Education self-study and outcome attainment	25 pages Starts 4558 68 fields
AF-AST-FR-022 08_Forms/AF-AST-FR-022.pdf	Airport and operational-interface dossier	37 pages Starts 4583 79 fields
AF-AST-FR-023 08_Forms/AF-AST-FR-023.pdf	Maintenance facility/type/task capability	37 pages Starts 4620 79 fields
AF-AST-FR-024 08_Forms/AF-AST-FR-024.pdf	Station/service and local-variation dossier	35 pages Starts 4657 79 fields
AF-AST-FR-025 08_Forms/AF-AST-FR-025.pdf	Environmental statement and verification	26 pages Starts 4692 69 fields
AF-AST-FR-026 08_Forms/AF-AST-FR-026.pdf	Digital evidence, incident and recovery	29 pages Starts 4718 71 fields
AF-AST-FR-027 08_Forms/AF-AST-FR-027.pdf	Internal audit, management and independent operator review	29 pages Starts 4747 70 fields
AF-AST-FR-028 08_Forms/AF-AST-FR-028.pdf	Programme change, transition and closure	26 pages Starts 4776 67 fields

Registers

Code / file path	Retained title	Pages / collection start / fields
AF-AST-RG-001 09_Registers/AF-AST-RG-001.pdf	Applicant, Scope and Case Register	33 pages Starts 4802 48 fields
AF-AST-RG-002 09_Registers/AF-AST-RG-002.pdf	Personnel, Authorisation and Conflict Register	30 pages Starts 4835 48 fields
AF-AST-RG-003 09_Registers/AF-AST-RG-003.pdf	Technical Methods, Equipment and Validity Register	36 pages Starts 4865 52 fields
AF-AST-RG-004 09_Registers/AF-AST-RG-004.pdf	Evidence, Findings and Corrective Action Register	38 pages Starts 4901 52 fields
AF-AST-RG-005 09_Registers/AF-AST-RG-005.pdf	Outcome Status, Claims and Registry Change Register	38 pages Starts 4939 56 fields
AF-AST-RG-006 09_Registers/AF-AST-RG-006.pdf	Education and Environmental Programme Records	34 pages Starts 4977 48 fields
AF-AST-RG-007 09_Registers/AF-AST-RG-007.pdf	Governance, Profile Release and Improvement Register	42 pages Starts 5011 63 fields

Schedules

Code / file path	Retained title	Pages / collection start / fields
AF-AST-SC-001 10_Schedules/AF-AST-SC-001.pdf	Competence, Coverage and Witnessing Schedule	33 pages Starts 5053 40 fields
AF-AST-SC-002 10_Schedules/AF-AST-SC-002.pdf	Programme Service Terms, Fees and Local Conditions Schedule	28 pages Starts 5086 42 fields
AF-AST-SC-003 10_Schedules/AF-AST-SC-003.pdf	Notifications, Deadlines and Retention Schedule	41 pages Starts 5114 54 fields
AF-AST-SC-004 10_Schedules/AF-AST-SC-004.pdf	Authority, Compatibility and Activation Schedule	41 pages Starts 5155 55 fields

3 Programme families and complete operational slices

Every live case needs its complete applicable slice: core and annexes, exact technical profile, competent actual performers, procedures, source evidence, checklist, case form, register, schedule, independent decision and continuing custody. Shared administrative work does not merge separate objects or permit generic all-space approval.

Family / subjects	Technical book and checklist	Outcome boundary
F01 — Management Systems Assurance 3 retained subjects	AF-AST-TP-001 AF-AST-CL-002 Common: CL-001	An organisational system result does not approve every product, laboratory method, process, maintenance task or employee.
F02 — Critical Processes and Products 22 retained subjects	AF-AST-TP-002 AF-AST-CL-003 Common: CL-001	Qualification applies to the stated thermal process envelope, not every material, furnace load or delivered article.
F03 — Testing and Inspection 10 retained subjects	AF-AST-TP-003 AF-AST-CL-004 Common: CL-001	Accreditation concerns the declared body competence; neither a test report nor a personnel credential automatically certifies the inspected product.
F04 — Education Programmes 6 retained subjects	AF-AST-TP-004 AF-AST-CL-005 Common: CL-001	Programme recognition does not license graduates or recognise every programme offered by the institution.
F05 — Airports and Aerodromes 5 retained subjects	AF-AST-TP-005 AF-AST-CL-006 Common: CL-001	Capability recognition is not an aerodrome operating licence, airline approval or universal tenant certificate.
F06 — Aircraft Maintenance and Technical Services 7 retained subjects	AF-AST-TP-006 AF-AST-CL-007 Common: CL-001	Capability recognition neither authorises flight nor grants all aircraft types, all line stations, a personal maintenance licence or design privileges.
F07 — Ground Operations and Aviation Support Services 9 retained subjects	AF-AST-TP-007 AF-AST-CL-008 Common: CL-001	No loading, pushback or de-icing recipe, flight clearance or general airline operating authority is created.
F08 — Carbon, Environment and Climate Assurance 6 retained subjects	AF-AST-TP-008 AF-AST-CL-009 Common: CL-001	A verified airport or supplier inventory is not the footprint of every flight, tenant or customer and does not establish a reduction without comparable historical evidence.

4 Retained technical subjects and mirrored control ranges

Subject ID / title	Control identities	Profile / checklist
F01-S01 — Design and production system	F01-S01-R01 through F01-S01-R12	TP-001 / CL-002
F01-S02 — Maintenance system	F01-S02-R01 through F01-S02-R12	TP-001 / CL-002
F01-S03 — Distribution system	F01-S03-R01 through F01-S03-R12	TP-001 / CL-002
F02-CP01 — Thermal treatment	F02-CP01-R01 through F02-CP01-R12	TP-002 / CL-003
F02-CP02 — Fusion joining	F02-CP02-R01 through F02-CP02-R12	TP-002 / CL-003
F02-CP03 — Solid-state joining	F02-CP03-R01 through F02-CP03-R12	TP-002 / CL-003
F02-CP04 — Brazing and soldering	F02-CP04-R01 through F02-CP04-R12	TP-002 / CL-003
F02-CP05 — Chemical surface preparation	F02-CP05-R01 through F02-CP05-R12	TP-002 / CL-003
F02-CP06 — Plating and conversion coatings	F02-CP06-R01 through F02-CP06-R12	TP-002 / CL-003
F02-CP07 — Thermal spray processes	F02-CP07-R01 through F02-CP07-R12	TP-002 / CL-003
F02-CP08 — Organic coating processes	F02-CP08-R01 through F02-CP08-R12	TP-002 / CL-003
F02-CP09 — Composite material processing	F02-CP09-R01 through F02-CP09-R12	TP-002 / CL-003
F02-CP10 — Structural bonding	F02-CP10-R01 through F02-CP10-R12	TP-002 / CL-003
F02-CP11 — Metal additive manufacture	F02-CP11-R01 through F02-CP11-R12	TP-002 / CL-003
F02-CP12 — Polymer additive manufacture	F02-CP12-R01 through F02-CP12-R12	TP-002 / CL-003
F02-CP13 — Casting	F02-CP13-R01 through F02-CP13-R12	TP-002 / CL-003
F02-CP14 — Forging and forming	F02-CP14-R01 through F02-CP14-R12	TP-002 / CL-003
F02-CP15 — Precision machining	F02-CP15-R01 through F02-CP15-R12	TP-002 / CL-003
F02-CP16 — Non-conventional machining	F02-CP16-R01 through F02-CP16-R12	TP-002 / CL-003
F02-CP17 — Mechanical surface enhancement	F02-CP17-R01 through F02-CP17-R12	TP-002 / CL-003
F02-CP18 — Electronics assembly	F02-CP18-R01 through F02-CP18-R12	TP-002 / CL-003
F02-CP19 — Wire and harness assembly	F02-CP19-R01 through F02-CP19-R12	TP-002 / CL-003
F02-CP20 — Optical assembly	F02-CP20-R01 through F02-CP20-R12	TP-002 / CL-003
F02-CP21 — Critical mechanical assembly	F02-CP21-R01 through F02-CP21-R12	TP-002 / CL-003
F02-CP22 — Cleanliness and contamination-sensitive processing	F02-CP22-R01 through F02-CP22-R12	TP-002 / CL-003
F03-L01 — Non-destructive testing	F03-L01-R01 through F03-L01-R12	TP-003 / CL-004
F03-L02 — Materials testing	F03-L02-R01 through F03-L02-R12	TP-003 / CL-004
F03-L03 — Calibration and metrology	F03-L03-R01 through F03-L03-R12	TP-003 / CL-004

Subject ID / title	Control identities	Profile / checklist
F03-L04 – Inspection body activities	F03-L04-R01 through F03-L04-R12	TP-003 / CL-004
F03-L05 – Management-system certification bodies	F03-L05-R01 through F03-L05-R12	TP-003 / CL-004
F03-L06 – Product, process and service certification bodies	F03-L06-R01 through F03-L06-R12	TP-003 / CL-004
F03-L07 – Personnel certification bodies	F03-L07-R01 through F03-L07-R12	TP-003 / CL-004
F03-L08 – Validation and verification bodies	F03-L08-R01 through F03-L08-R12	TP-003 / CL-004
F03-L09 – Proficiency activity providers	F03-L09-R01 through F03-L09-R12	TP-003 / CL-004
F03-L10 – Reference material producers	F03-L10-R01 through F03-L10-R12	TP-003 / CL-004
F04-E01 – Engineering degree programmes	F04-E01-R01 through F04-E01-R12	TP-004 / CL-005
F04-E02 – Engineering technology programmes	F04-E02-R01 through F04-E02-R12	TP-004 / CL-005
F04-E03 – Computing and digital programmes	F04-E03-R01 through F04-E03-R12	TP-004 / CL-005
F04-E04 – Applied science programmes	F04-E04-R01 through F04-E04-R12	TP-004 / CL-005
F04-E05 – Technical and vocational programmes	F04-E05-R01 through F04-E05-R12	TP-004 / CL-005
F04-E06 – Professional continuing-development programmes	F04-E06-R01 through F04-E06-R12	TP-004 / CL-005
F05-A01 – Conventional aerodromes: international, regional, cargo and general aviation	F05-A01-R01 through F05-A01-R12	TP-005 / CL-006
F05-A02 – Heliports	F05-A02-R01 through F05-A02-R12	TP-005 / CL-006
F05-A03 – Vertiports	F05-A03-R01 through F05-A03-R12	TP-005 / CL-006
F05-A04 – Spaceports and launch-site interfaces	F05-A04-R01 through F05-A04-R12	TP-005 / CL-006
F05-A05 – Civil/military shared aerodrome interfaces	F05-A05-R01 through F05-A05-R12	TP-005 / CL-006
F06-M01 – Line maintenance	F06-M01-R01 through F06-M01-R12	TP-006 / CL-007
F06-M02 – Base maintenance	F06-M02-R01 through F06-M02-R12	TP-006 / CL-007
F06-M03 – Engine and APU services	F06-M03-R01 through F06-M03-R12	TP-006 / CL-007
F06-M04 – Component maintenance	F06-M04-R01 through F06-M04-R12	TP-006 / CL-007
F06-M05 – Structures, cabin and modification embodiment	F06-M05-R01 through F06-M05-R12	TP-006 / CL-007
F06-M06 – Technical asset support	F06-M06-R01 through F06-M06-R12	TP-006 / CL-007
F06-M07 – Storage, preservation and end of life	F06-M07-R01 through F06-M07-R12	TP-006 / CL-007
F07-G01 – Ground handling and turnaround	F07-G01-R01 through F07-G01-R12	TP-007 / CL-008
F07-G02 – Cargo, mail and specialist logistics	F07-G02-R01 through F07-G02-R12	TP-007 / CL-008
F07-G03 – Fuel and energy services	F07-G03-R01 through F07-G03-R12	TP-007 / CL-008

Subject ID / title	Control identities	Profile / checklist
F07-G04 – Ground equipment and technical facilities	F07-G04-R01 through F07-G04-R12	TP-007 / CL-008
F07-G05 – Catering, cabin and sanitation services	F07-G05-R01 through F07-G05-R12	TP-007 / CL-008
F07-G06 – FBO and business-aviation support	F07-G06-R01 through F07-G06-R12	TP-007 / CL-008
F07-G07 – Flight and air-navigation support	F07-G07-R01 through F07-G07-R12	TP-007 / CL-008
F07-G08 – Aviation digital and operational systems	F07-G08-R01 through F07-G08-R12	TP-007 / CL-008
F07-G09 – Specialist aviation security services	F07-G09-R01 through F07-G09-R12	TP-007 / CL-008
F08-C01 – Inventory and data	F08-C01-R01 through F08-C01-R12	TP-008 / CL-009
F08-C02 – Reduction and transition	F08-C02-R01 through F08-C02-R12	TP-008 / CL-009
F08-C03 – Energy and circular resources	F08-C03-R01 through F08-C03-R12	TP-008 / CL-009
F08-C04 – Local environmental performance	F08-C04-R01 through F08-C04-R12	TP-008 / CL-009
F08-C05 – Climate resilience	F08-C05-R01 through F08-C05-R12	TP-008 / CL-009
F08-C06 – Low-carbon energy and supply claims	F08-C06-R01 through F08-C06-R12	TP-008 / CL-009

All shortened document references in this index carry the common AF-AST- prefix. The R07–R12 content is newly authored, source-aligned implementation detail. Genuine technical adoption and application-specific parameter completion are required before any additional criterion becomes binding.

5 Complete source-subclause to supporting-document index

Every source subclause is included in CL-001. The selected additional documents below are navigation links based on explicit source mappings, not an assertion that each document independently reproduces every source requirement. Read the complete source, applicable annexes and local profile. Lists are selected for compact navigation; additional links exist within the individual documents.

0 – Purpose, reading route and status

ASTRA / source page	Source subject	Selected supporting documents
0.1 / p. 9	Intended use	CL-001; complete source and local technical profile
0.2 / p. 9	How to assemble the applicable requirements	CL-001; DP-001
0.3 / p. 9	Normative language and examples	CL-001; complete source and local technical profile
0.4 / p. 9	Edition and operational effectivity	CL-001; complete source and local technical profile
0.5 / p. 10	Relationship to the existing AF system	CL-001; complete source and local technical profile

1 – Scope, programme families and assessment boundaries

ASTRA / source page	Source subject	Selected supporting documents
1.1 / p. 10	Sector and lifecycle coverage	CL-001; GD-001; HB-003; GD-003; GD-004
1.2 / p. 10	Eight-family structure	CL-001; GD-001; HB-003; GD-003; GD-004
1.3 / p. 10	Object and responsibility tuple	CL-001; PR-004; TP-001; FR-002; GD-001; TP-002; TP-005
1.4 / p. 10	Group, site and interface limitations	CL-001; PR-004; GD-001; HB-003; PL-001; GD-003; GD-004
1.5 / p. 11	Activity-based applicability	CL-001; PR-004; TP-001; FR-002; GD-001; TP-002; TP-005
1.6 / p. 11	Out-of-scope and emerging activities	CL-001; PR-004; GD-001; HB-003; PL-001; GD-003; GD-004

2 – Definitions, outcome classes and interpretive controls

ASTRA / source page	Source subject	Selected supporting documents
2.1 / p. 11	Accreditation and competence	CL-001; GD-001; HB-003; GD-004; HB-004; HB-005
2.2 / p. 11	Recognition, qualification and certification	CL-001; PR-004; GD-001; HB-003; GD-004; HB-004; HB-005
2.3 / p. 11	Verification and validation	CL-001; PR-004; GD-001; HB-003; PL-003; GD-004; HB-004
2.4 / p. 12	Programme name and public designations	CL-001; SC-004; GD-001; HB-003; PL-001; GD-004; HB-004
2.5 / p. 12	Evidence, witnessing and technical profile	CL-001; GD-001; HB-003; PL-002; GD-004; HB-004; HB-005
2.6 / p. 12	Requirement status and uncertainty	CL-001; PR-004; GD-001; HB-003; PL-002; GD-004; HB-004

3 – Institutional governance and retained responsibility

ASTRA / source page	Source subject	Selected supporting documents
3.1 / p. 12	Scheme ownership and constitutional authority	CL-001; SC-004; HB-001; RG-007; HB-002; HB-004
3.2 / p. 12	Accrediting and delivery entities	CL-001; PR-006; TP-003; FR-001; SC-002; PR-022; PR-025
3.3 / p. 13	Technical committees and programme stewardship	CL-001; SC-004; HB-001; RG-007; HB-002; HB-004
3.4 / p. 13	Case separation and decision panels	CL-001; PR-006; TP-001; FR-001; SC-004; PR-014; PR-017
3.5 / p. 13	Commercial and leadership boundaries	CL-001; PR-006; SC-002; HB-001; PL-001; PR-023; HB-002
3.6 / p. 13	Liability, continuity and accountability	CL-001; PR-022; FR-018; SC-002; HB-001; PR-023; SC-004

4 – Rule development, technical profiles and programme activation

ASTRA / source page	Source subject	Selected supporting documents
4.1 / p. 13	Development request and feasibility	CL-001; PR-002; FR-001; SC-004; GD-003; FR-004; GD-011
4.2 / p. 14	Profile content and acceptance criteria	CL-001; PR-002; FR-001; SC-004; GD-003; FR-004; GD-011
4.3 / p. 14	Consultation and technical approval	CL-001; PR-002; FR-001; SC-003; GD-003; FR-004; SC-004
4.4 / p. 14	Pilot evaluation and method challenge	CL-001; PR-002; FR-001; SC-004; GD-003; FR-004; GD-011
4.5 / p. 14	Activation gate and scope release	CL-001; PR-002; FR-001; SC-004; GD-003; FR-004; GD-011
4.6 / p. 14	Interpretation and controlled evolution	CL-001; PR-002; SC-003; GD-003; HB-001; RG-007

5 – Common organisational capability and management controls

ASTRA / source page	Source subject	Selected supporting documents
5.1 / p. 15	Identity, obligations and accountability	CL-001; GD-004; HB-001
5.2 / p. 15	Process architecture and controlled work	CL-001; GD-004; HB-001
5.3 / p. 15	Risk, safety and opportunity	CL-001; GD-004; HB-001
5.4 / p. 15	Change, configuration and retained knowledge	CL-001; GD-004; HB-001
5.5 / p. 15	External provision and sub-tier responsibility	CL-001; PR-022; FR-018; SC-002; GD-004; SC-004; HB-001
5.6 / p. 16	Continuity, events and learning	CL-001; GD-004; HB-001

6 – Impartiality, ethical conduct and fair access

ASTRA / source page	Source subject	Selected supporting documents
6.1 / p. 16	Institutional and personal conflicts	CL-001; PR-006; TP-004; FR-003; SC-004; FR-006; GD-002
6.2 / p. 16	Participation and equal treatment	CL-001; PR-006; SC-002; GD-002; HB-001; PR-023; GD-004
6.3 / p. 16	Consultancy, learning and evaluation	CL-001; PR-006; TP-004; FR-003; SC-004; FR-006; GD-002
6.4 / p. 16	Integrity of records and professional behaviour	CL-001; PR-006; FR-017; GD-002; HB-001; PR-018; GD-004
6.5 / p. 17	Independent oversight	CL-001; PR-006; TP-003; FR-001; SC-004; PR-018; PR-025

7 – Personnel competence, authorisation and continuing practice

ASTRA / source page	Source subject	Selected supporting documents
7.1 / p. 17	Function-specific competence	CL-001; PR-005; TP-003; FR-005; SC-001; TP-004; TP-006
7.2 / p. 17	Entry evidence and demonstration	CL-001; PR-005; TP-004; SC-001; GD-002; GD-004; GD-006
7.3 / p. 17	Essential steps and assessment security	CL-001; PR-005; TP-003; FR-005; SC-001; TP-004; TP-006
7.4 / p. 17	Initial assessor population	CL-001; PR-005; TP-003; FR-005; SC-001; TP-004; TP-006
7.5 / p. 18	Maintenance and inactivity	CL-001; PR-005; TP-003; FR-005; SC-001; TP-004; TP-006
7.6 / p. 18	Applicant personnel and task authority	CL-001; PR-005; TP-004; SC-001; GD-002; GD-004; GD-006

8 – Facilities, equipment and metrological assurance

ASTRA / source page	Source subject	Selected supporting documents
8.1 / p. 18	Facility suitability and environmental control	CL-001; TP-003; GD-002; HB-002; RG-003; GD-004; GD-005
8.2 / p. 18	Equipment identity and fitness	CL-001; PR-010; TP-002; FR-004; GD-002; TP-003; TP-008
8.3 / p. 18	Traceability and calibration	CL-001; PR-010; TP-002; FR-004; GD-002; TP-003; TP-008
8.4 / p. 19	Intermediate checks and due dates	CL-001; PR-010; TP-003; GD-002; HB-002; GD-004; GD-005
8.5 / p. 19	Adverse equipment findings	CL-001; PR-010; TP-003; GD-002; HB-002; GD-004; GD-005
8.6 / p. 19	Consumables, materials and reference items	CL-001; TP-003; GD-002; HB-002; RG-003; GD-004; GD-005

9 – Methods, uncertainty and validity of technical results

ASTRA / source page	Source subject	Selected supporting documents
9.1 / p. 19	Method selection and contract fit	CL-001; TP-003; GD-002; HB-002; PL-002; GD-003; GD-004
9.2 / p. 19	Verification and validation	CL-001; PR-011; TP-003; FR-010; GD-002; TP-008; FR-019
9.3 / p. 20	Sampling and specimen integrity	CL-001; TP-003; GD-002; HB-002; PL-002; GD-003; GD-004
9.4 / p. 20	Measurement model and uncertainty	CL-001; PR-010; TP-002; FR-004; GD-002; TP-003; TP-008
9.5 / p. 20	Decision rules and boundary results	CL-001; PR-010; TP-002; FR-004; GD-002; TP-003; TP-008
9.6 / p. 20	Continuing validity and comparisons	CL-001; PR-011; TP-003; FR-010; GD-002; TP-008; FR-019
9.7 / p. 20	Technical reporting and amendments	CL-001; PR-012; TP-003; FR-011; GD-002; GD-003; GD-004

10 – Information, confidentiality and trusted digital evidence

ASTRA / source page	Source subject	Selected supporting documents
10.1 / p. 21	Records and provenance	CL-001; PR-001; GD-004; HB-005; PL-004; PR-019; GD-011
10.2 / p. 21	Confidentiality, personal data and controlled technology	CL-001; PR-008; TP-008; FR-026; SC-003; PR-019; GD-004
10.3 / p. 21	Digital tools and calculations	CL-001; PR-001; GD-004; HB-005; PL-004; PR-020; GD-011
10.4 / p. 21	Artificial intelligence and generated material	CL-001; PR-019; GD-004; HB-005; PL-004; GD-011
10.5 / p. 21	Remote access and live evidence	CL-001; PR-008; TP-005; FR-008; GD-002; TP-007; FR-024
10.6 / p. 22	Recovery, retention and closure	CL-001; PR-019; TP-005; FR-022; SC-003; PR-020; TP-007

11 – Application, eligibility and participation agreements

ASTRA / source page	Source subject	Selected supporting documents
11.1 / p. 22	Expression of interest and formal application	CL-001; PR-003; FR-002; SC-002; GD-001; FR-003; GD-012
11.2 / p. 22	Technical and impartiality review	CL-001; PR-003; FR-002; SC-002; GD-001; PR-023; FR-003
11.3 / p. 22	Existing evidence and reuse	CL-001; PR-003; TP-001; FR-002; SC-002; PR-004; TP-002
11.4 / p. 22	Binding terms and holder duties	CL-001; PR-003; FR-002; SC-002; GD-001; PR-022; FR-003
11.5 / p. 23	Authorisation to act for AF	CL-001; PR-003; FR-018; SC-002; GD-001; PR-022; SC-004
11.6 / p. 23	Fees, corrections and withdrawal	CL-001; PR-003; SC-002; GD-001; HB-001; PR-023; PL-001

12 – Assessment planning, coverage and resources

ASTRA / source page	Source subject	Selected supporting documents
12.1 / p. 23	Planning from scope and consequence	CL-001; PR-007; TP-001; FR-007; SC-001; TP-005; TP-007
12.2 / p. 23	Sites and stations	CL-001; PR-007; TP-001; FR-007; SC-001; PR-008; TP-005
12.3 / p. 23	Method-family witnessing	CL-001; PR-007; TP-001; FR-007; SC-001; PR-009; TP-002
12.4 / p. 24	Time and productive work	CL-001; PR-007; TP-001; FR-007; SC-001; PR-023; TP-005
12.5 / p. 24	Multifamily coordination	CL-001; PR-007; SC-001; GD-001; HB-001; GD-002; GD-003
12.6 / p. 24	Plan approval and changes	CL-001; PR-007; SC-001; GD-001; HB-001; PR-008; GD-002

13 – Assessment execution and evidence evaluation

ASTRA / source page	Source subject	Selected supporting documents
13.1 / p. 24	Opening, safety and access confirmation	CL-001; PR-009; GD-001; HB-001; GD-002; HB-002
13.2 / p. 24	Implementation and vertical trails	CL-001; PR-009; GD-001; HB-001; PL-002; GD-002; HB-002
13.3 / p. 25	Witness control	CL-001; PR-008; TP-002; FR-008; SC-001; PR-009; TP-003
13.4 / p. 25	Technical judgement and conflicting evidence	CL-001; PR-009; GD-001; HB-001; PL-002; GD-002; HB-002
13.5 / p. 25	Closing and report	CL-001; PR-012; TP-003; FR-011; SC-003; GD-001; GD-002

14 – Nonconformity, protection and corrective action

ASTRA / source page	Source subject	Selected supporting documents
14.1 / p. 25	Finding formulation and classification	CL-001; PR-013; TP-002; FR-012; SC-003; TP-005; TP-006
14.2 / p. 25	Immediate protection and notifications	CL-001; PR-013; TP-002; FR-012; SC-003; PR-016; PR-018
14.3 / p. 26	Occurrence, escape and systemic extent	CL-001; PR-013; TP-002; FR-012; SC-003; TP-005; TP-006
14.4 / p. 26	Plans, closure and effectiveness	CL-001; PR-013; TP-002; FR-012; SC-003; TP-005; TP-006
14.5 / p. 26	Existing status and new grants	CL-001; PR-013; TP-002; FR-012; SC-003; PR-016; TP-005
14.6 / p. 26	Recurrence and invalid prior decisions	CL-001; PR-013; GD-001; HB-001; GD-002; HB-002; HB-004

15 – Independent review and final decisions

ASTRA / source page	Source subject	Selected supporting documents
15.1 / p. 26	Review dossier	CL-001; PR-014; TP-001; FR-001; SC-004; FR-013; GD-001
15.2 / p. 27	Positive-decision gate	CL-001; PR-014; TP-001; FR-001; SC-004; FR-013; GD-001
15.3 / p. 27	Panel and dissent	CL-001; PR-014; TP-001; FR-001; SC-004; FR-013; GD-001
15.4 / p. 27	Permitted outcomes and conditions	CL-001; PR-014; GD-001; HB-001; PR-016; GD-004; HB-002
15.5 / p. 27	Decision date and communication	CL-001; PR-014; SC-003; GD-001; HB-001; PR-016; PR-021

16 – Surveillance, renewal and status control

ASTRA / source page	Source subject	Selected supporting documents
16.1 / p. 27	Duration and basis	CL-001; PR-015; FR-015; SC-003; GD-001; GD-007; GD-008
16.2 / p. 28	Surveillance frequency and coverage	CL-001; PR-015; FR-015; SC-003; GD-001; GD-007; GD-008
16.3 / p. 28	Material change and notification	CL-001; PR-015; FR-015; SC-003; GD-001; GD-007; GD-008
16.4 / p. 28	Renewal and interruption	CL-001; PR-015; FR-015; SC-003; GD-001; GD-007; GD-008
16.5 / p. 28	Suspension, restoration and withdrawal	CL-001; PR-015; FR-016; SC-003; GD-001; PR-016; HB-001
16.6 / p. 28	Transfer and cessation	CL-001; PR-015; GD-001; HB-001; RG-001; PR-016; PR-028

17 – F01 – Management Systems Assurance

ASTRA / source page	Source subject	Selected supporting documents
17.1 / p. 29	System profiles	CL-001; TP-001
17.2 / p. 29	Readiness and implementation	CL-001; TP-001
17.3 / p. 29	Design, production and distribution interfaces	CL-001; TP-001
17.4 / p. 29	Independent organisational outcome	CL-001; TP-001

18 – F02 – Critical Processes and Products

ASTRA / source page	Source subject	Selected supporting documents
18.1 / p. 30	Process or product object	CL-001; TP-002
18.2 / p. 30	Qualification plan	CL-001; TP-002
18.3 / p. 30	Essential variables and point-of-use control	CL-001; TP-002
18.4 / p. 30	Materials, genealogy and authenticity	CL-001; TP-002
18.5 / p. 30	First article and production readiness	CL-001; TP-002
18.6 / p. 31	Capability and monitoring	CL-001; TP-002
18.7 / p. 31	Excursion, change and requalification	CL-001; TP-002
18.8 / p. 31	Product release and continuing claim	CL-001; TP-002

19 – F03 – Laboratory, calibration and inspection competence

ASTRA / source page	Source subject	Selected supporting documents
19.1 / p. 31	Detailed technical scope	CL-001; TP-003; GD-005; HB-002
19.2 / p. 31	Responsible technical management	CL-001; TP-003; GD-005; HB-002
19.3 / p. 32	Method performance and detection	CL-001; PR-011; TP-003; FR-010; GD-003; TP-008; FR-019
19.4 / p. 32	NDT-specific competence	CL-001; TP-003; GD-005; HB-002
19.5 / p. 32	Materials and destructive testing	CL-001; TP-003; GD-005; HB-002
19.6 / p. 32	Calibration and reference capability	CL-001; PR-011; TP-003; GD-005; HB-002
19.7 / p. 32	Sampling and customer-supplied items	CL-001; TP-003; GD-005; HB-002
19.8 / p. 32	Inspection relationships	CL-001; TP-003; GD-005; HB-002
19.9 / p. 33	Inspection judgement and remote methods	CL-001; TP-003; GD-005; HB-002
19.10 / p. 33	Comparisons and validity programme	CL-001; PR-011; TP-003; FR-010; GD-003; TP-008; FR-019
19.11 / p. 33	Nonconforming laboratory or inspection work	CL-001; PR-011; TP-003; GD-005; HB-002; PR-012
19.12 / p. 33	Technical witnessing for accreditation	CL-001; PR-009; TP-002; FR-009; SC-001; TP-003; TP-006

20 – F04 – Education programmes and demonstrated learning

ASTRA / source page	Source subject	Selected supporting documents
20.1 / p. 33	Programme identity and lawful standing	CL-001; PR-026; TP-004; GD-006; HB-003; RG-006
20.2 / p. 34	Educational purpose and stakeholder need	CL-001; PR-026; TP-004; GD-006; HB-003
20.3 / p. 34	Learning outcomes and curriculum alignment	CL-001; PR-026; TP-004; FR-021; GD-006; GD-012; HB-001
20.4 / p. 34	Admissions, progression and completion	CL-001; PR-026; TP-004; FR-021; GD-006; GD-012; HB-001
20.5 / p. 34	Assessment validity and academic integrity	CL-001; PR-026; TP-004; FR-021; GD-006; GD-012; HB-001
20.6 / p. 34	Educators and technical supervision	CL-001; PR-026; TP-004; GD-006; HB-003
20.7 / p. 34	Learning resources and safe practical work	CL-001; PR-026; TP-004; GD-006; HB-003
20.8 / p. 35	Attainment, improvement and closure of the loop	CL-001; PR-026; TP-004; FR-021; GD-006; GD-012; HB-001
20.9 / p. 35	Initial operating evidence and readiness only	CL-001; PR-026; TP-004; FR-021; GD-006; GD-012; HB-001
20.10 / p. 35	Change, teach-out and continuing learner protection	CL-001; PR-026; TP-004; GD-006; HB-003; RG-006

21 – F05 – Airports, aerodromes and operational interfaces

ASTRA / source page	Source subject	Selected supporting documents
21.1 / p. 35	Aerodrome scope and operating basis	CL-001; TP-005; GD-007; HB-003
21.2 / p. 35	Safety management and change	CL-001; TP-005; GD-007; HB-003
21.3 / p. 36	Airside condition and operational information	CL-001; TP-005; GD-007; HB-003
21.4 / p. 36	Emergency readiness and coordinated response	CL-001; TP-005; GD-007; HB-003
21.5 / p. 36	Passenger, terminal and baggage services	CL-001; TP-005; GD-007; HB-003
21.6 / p. 36	Security, digital systems and utilities	CL-001; TP-005; GD-007; HB-003
21.7 / p. 36	Tenants, construction and common interfaces	CL-001; TP-005; GD-007; HB-003
21.8 / p. 36	Environmental integration and continuing capability	CL-001; TP-005; GD-007; HB-003

22 – F06 – Aircraft maintenance and technical services

ASTRA / source page	Source subject	Selected supporting documents
22.1 / p. 37	Capability list and technical boundaries	CL-001; TP-006; GD-008; HB-003
22.2 / p. 37	Current data and maintenance planning	CL-001; TP-006; GD-008; HB-003
22.3 / p. 37	People, fatigue and task authorisation	CL-001; TP-006; GD-008; HB-003
22.4 / p. 37	Tools, parts and life status	CL-001; TP-006; GD-008; HB-003
22.5 / p. 37	Execution, errors and interrupted work	CL-001; TP-006; GD-008; HB-003
22.6 / p. 38	Release and customer handover	CL-001; TP-006; GD-008; HB-003
22.7 / p. 38	Technical asset support and continuity	CL-001; TP-006; GD-008; HB-003
22.8 / p. 38	Storage, dismantling and end of life	CL-001; TP-006; GD-008; HB-003

23 – F07 – Ground operations and aviation support services

ASTRA / source page	Source subject	Selected supporting documents
23.1 / p. 38	Provider, station and service definition	CL-001; TP-007; GD-009; HB-003
23.2 / p. 38	G01 – Handling and turnaround	CL-001; TP-007; GD-009; HB-003
23.3 / p. 39	G02 – Cargo, mail and specialist logistics	CL-001; TP-007; GD-009; HB-003
23.4 / p. 39	G03 – Fuel and energy services	CL-001; TP-007; GD-009; HB-003
23.5 / p. 39	G04 – Ground equipment and technical facilities	CL-001; TP-007; GD-009; HB-003
23.6 / p. 39	G05 – Catering, cabin and sanitation	CL-001; TP-007; GD-009; HB-003
23.7 / p. 39	G06 – FBO and business-aviation support	CL-001; TP-007; GD-009; HB-003
23.8 / p. 39	G07 – Flight and air-navigation support	CL-001; TP-007; GD-009; HB-003
23.9 / p. 40	G08 – Digital and operational systems	CL-001; TP-007; GD-009; HB-003
23.10 / p. 40	G09 – Specialist security services	CL-001; TP-007; GD-009; HB-003
23.11 / p. 40	Local variation and continuing network control	CL-001; TP-007; GD-009; HB-003

24 – F08 – Carbon, environment and climate assurance

ASTRA / source page	Source subject	Selected supporting documents
24.1 / p. 40	Engagement and statement boundary	CL-001; PR-027; TP-008; FR-025; GD-010; GD-012; HB-001
24.2 / p. 40	C01 – Inventory and data	CL-001; PR-027; TP-008; FR-025; GD-010; GD-012; HB-001
24.3 / p. 41	C02 – Reduction and transition	CL-001; PR-027; TP-008; FR-025; GD-010; GD-012; HB-001
24.4 / p. 41	C03 – Energy and circular resources	CL-001; PR-027; TP-008; GD-010; HB-003; PL-003
24.5 / p. 41	C04 – Local environment	CL-001; PR-027; TP-008; GD-010; HB-003; PL-003
24.6 / p. 41	C05 – Climate resilience	CL-001; PR-027; TP-008; GD-010; HB-003; PL-003
24.7 / p. 41	C06 – Low-carbon energy and supply claims	CL-001; PR-027; TP-008; FR-025; GD-010; GD-012; HB-001
24.8 / p. 41	Materiality and assurance planning	CL-001; PR-027; TP-008; FR-025; GD-010; GD-012; HB-001
24.9 / p. 42	Verification execution and independent conclusion	CL-001; PR-012; TP-008; FR-025; GD-010; PR-027; GD-012
24.10 / p. 42	Overlap, claims and continuing change	CL-001; PR-027; TP-008; GD-010; HB-003; PL-003

25 – Certification, verification and other assessment-provider activities

ASTRA / source page	Source subject	Selected supporting documents
25.1 / p. 42	Activity-specific provider controls	CL-001; PR-022; TP-003; GD-005; HB-002; GD-010
25.2 / p. 42	Management-system certification	CL-001; TP-003; GD-005; HB-002; GD-010
25.3 / p. 42	Product, process and service certification	CL-001; TP-003; GD-005; HB-002; GD-010
25.4 / p. 43	Personnel certification	CL-001; TP-003; GD-005; HB-002; GD-010
25.5 / p. 43	Validation and verification bodies	CL-001; TP-003; GD-005; HB-002; PL-003; GD-010
25.6 / p. 43	Proficiency and reference-material activities	CL-001; PR-011; TP-003; FR-010; GD-003; TP-008; FR-019

26 – Future technology, restricted domains and continuous evidence

ASTRA / source page	Source subject	Selected supporting documents
26.1 / p. 43	Novelty and bounded deployment	CL-001; GD-003; PL-004; GD-011
26.2 / p. 43	AI, autonomy and adaptive changes	CL-001; GD-003; PL-004; GD-011
26.3 / p. 44	Digital twins and simulation	CL-001; PR-008; GD-003; PL-004; GD-011
26.4 / p. 44	Remote, space and long-duration operation	CL-001; PR-008; TP-005; FR-008; GD-002; TP-007; FR-024
26.5 / p. 44	Continuous monitoring and machine-readable status	CL-001; GD-003; PL-004; GD-011
26.6 / p. 44	Hazardous and controlled activities	CL-001; GD-003; PL-004; GD-011

27 – Complaints, appeals and protected reporting

ASTRA / source page	Source subject	Selected supporting documents
27.1 / p. 44	Accessible intake and classification	CL-001; PR-017; FR-017; SC-003; GD-001; PR-018; HB-001
27.2 / p. 45	Triage and protection	CL-001; PR-017; FR-017; SC-003; GD-001; PR-018; HB-001
27.3 / p. 45	Appeal admission and independence	CL-001; PR-006; FR-017; SC-003; GD-001; PR-017; HB-001
27.4 / p. 45	Investigation, timing and remedy	CL-001; PR-017; FR-017; SC-003; GD-001; HB-001; HB-004
27.5 / p. 45	Systemic effects and non-retaliation	CL-001; PR-017; FR-017; SC-003; GD-001; PR-018; HB-001

28 – Scope statements, marks and public registry

ASTRA / source page	Source subject	Selected supporting documents
28.1 / p. 45	Mandatory scope content	CL-001; PR-012; TP-003; FR-011; GD-001; PR-019; PR-021
28.2 / p. 46	Truthful public wording	CL-001; PR-021; FR-014; GD-001; HB-001; GD-012; HB-004
28.3 / p. 46	AF marks and authorised use	CL-001; PR-021; FR-014; GD-001; HB-001; GD-012; HB-004
28.4 / p. 46	Registry states and authenticity	CL-001; PR-016; FR-014; SC-003; GD-001; PR-021; FR-016
28.5 / p. 46	Registry security, correction and availability	CL-001; PR-016; FR-014; GD-001; HB-001; PR-019; PR-021

29 – Programme quality, independent review and public benefit

ASTRA / source page	Source subject	Selected supporting documents
29.1 / p. 46	Internal audit	CL-001; PR-024; TP-001; FR-027; SC-003; GD-004; HB-001
29.2 / p. 47	Management review and performance	CL-001; PR-023; TP-001; FR-027; SC-003; PR-024; GD-004
29.3 / p. 47	Independent accrediting-operator review	CL-001; PR-025; TP-003; FR-001; SC-003; FR-027; SC-004
29.4 / p. 47	Consistency and technical learning	CL-001; PR-024; TP-001; FR-027; GD-004; PR-025; HB-001
29.5 / p. 47	Financial sustainability and public benefit	CL-001; PR-023; SC-002; HB-001; PL-001; PR-024; DP-001

30 – Transitions, relationships and programme closure

ASTRA / source page	Source subject	Selected supporting documents
30.1 / p. 47	Existing instruments and terminology	CL-001; PR-028; SC-004; HB-001
30.2 / p. 48	Controlled transition	CL-001; PR-028; TP-002; FR-001; SC-003; TP-004; TP-006
30.3 / p. 48	Reliance and cooperation agreements	CL-001; PR-022; TP-003; FR-001; SC-002; PR-025; PR-028
30.4 / p. 48	Scope withdrawal and learner/customer protection	CL-001; PR-028; TP-002; FR-001; SC-003; TP-004; TP-006

31 – Records, adoption and implementation sequence

ASTRA / source page	Source subject	Selected supporting documents
31.1 / p. 48	Minimum records and equivalent systems	CL-001; PR-001; GD-004; HB-001; DP-001; HB-005
31.2 / p. 48	Document hierarchy and phased development	CL-001; PR-001; GD-004; HB-001; DP-001; HB-005
31.3 / p. 49	Actual adoption record	CL-001; PR-028; TP-002; FR-001; SC-003; TP-004; TP-006
31.4 / p. 49	Implementation and verification	CL-001; PR-028; SC-004; GD-004; HB-001; HB-005; DP-001
31.5 / p. 49	Review of this edition	CL-001; GD-004; HB-001; HB-005

32 – Integrated lifecycle and mission assurance

ASTRA / source page	Source subject	Selected supporting documents
32.1 / p. 50	Mission definition and accountable boundaries	CL-001; TP-001; GD-003; TP-002; TP-005
32.2 / p. 50	Lifecycle assurance plan	CL-001; TP-001; GD-003; TP-002; TP-005
32.3 / p. 50	Gates and irreversible commitments	CL-001; TP-001; GD-003; TP-002; TP-005
32.4 / p. 50	Integrated assurance case	CL-001; TP-001; GD-003; PL-002; TP-002; TP-005
32.5 / p. 51	Handover and long-life accountability	CL-001; TP-001; GD-003; TP-002; TP-005
32.6 / p. 51	Through-life feedback and reassessment	CL-001; TP-001; GD-003; TP-002; TP-005

33 – Systems engineering, configuration and interface integrity

ASTRA / source page	Source subject	Selected supporting documents
33.1 / p. 51	Requirement quality and allocation	CL-001; TP-001; GD-003; TP-002; TP-003; TP-005; TP-006
33.2 / p. 51	Multidisciplinary interfaces	CL-001; TP-001; GD-003; TP-002; TP-003; TP-005; TP-006
33.3 / p. 52	Configuration states and genealogy	CL-001; TP-001; GD-003; TP-002; TP-003; TP-005; TP-006
33.4 / p. 52	Change impact and independence	CL-001; PR-004; TP-001; GD-003; TP-002; TP-003; TP-005
33.5 / p. 52	Engineering budgets and margins	CL-001; TP-001; GD-003; TP-002; TP-003; TP-005; TP-006
33.6 / p. 52	Verification closure and model limitations	CL-001; TP-001; GD-003; TP-002; TP-003; TP-005; TP-006

34 – Aviation, unmanned systems and advanced air mobility

ASTRA / source page	Source subject	Selected supporting documents
34.1 / p. 53	Approval and operational responsibility	CL-001; TP-001; GD-007; TP-002; TP-005; TP-006; TP-007
34.2 / p. 53	Installation and integrated compatibility	CL-001; TP-001; GD-007; TP-002; TP-005; TP-006; TP-007
34.3 / p. 53	Complete unmanned-system boundary	CL-001; TP-001; GD-007; TP-002; TP-005; TP-006; TP-007
34.4 / p. 53	Advanced mobility and ground interfaces	CL-001; TP-001; GD-007; TP-002; TP-005; TP-006; TP-007
34.5 / p. 53	Electric, hybrid and alternative-energy systems	CL-001; TP-001; GD-007; TP-002; TP-005; TP-006; TP-007
34.6 / p. 54	Continued operation and configuration feedback	CL-001; TP-001; GD-007; TP-002; TP-005; TP-006; TP-007

35 – Space systems and mission-environment assurance

ASTRA / source page	Source subject	Selected supporting documents
35.1 / p. 54	Mission architecture and dependencies	CL-001; TP-001; TP-002; TP-003; TP-006
35.2 / p. 54	Environment definition and tailoring	CL-001; TP-001; TP-002; TP-003; TP-006
35.3 / p. 54	Parts, materials and suitability	CL-001; TP-001; TP-002; TP-003; TP-006
35.4 / p. 55	Contamination and cleanliness	CL-001; TP-001; TP-002; TP-003; TP-006
35.5 / p. 55	Ground segment and command assurance	CL-001; TP-001; TP-002; TP-003; TP-006
35.6 / p. 55	Mission readiness and uncertainty acceptance	CL-001; TP-001; TP-002; TP-003; TP-006

36 – Launch, re-entry, reuse and spaceport interfaces

ASTRA / source page	Source subject	Selected supporting documents
36.1 / p. 55	Precise activity and authority	CL-001; TP-001; GD-007; TP-002; TP-005; TP-007
36.2 / p. 56	Site, vehicle and payload compatibility	CL-001; TP-001; GD-007; TP-002; TP-005; TP-007
36.3 / p. 56	Readiness and hazardous-work separation	CL-001; TP-001; GD-007; TP-002; TP-005; TP-007
36.4 / p. 56	Reuse and accumulated exposure	CL-001; TP-001; GD-007; TP-002; TP-005; TP-007
36.5 / p. 56	Recovery, re-entry and end-of-operation interfaces	CL-001; TP-001; GD-007; TP-002; TP-005; TP-007
36.6 / p. 56	Learning without automatic scope expansion	CL-001; TP-001; GD-007; TP-002; TP-005; TP-007

37 – Orbital operations, servicing and in-space manufacturing

ASTRA / source page	Source subject	Selected supporting documents
37.1 / p. 57	Operational state and authority	CL-001; TP-001; TP-002
37.2 / p. 57	Tracking, coordination and environmental responsibility	CL-001; TP-001; TP-002
37.3 / p. 57	Servicing and assembly boundaries	CL-001; TP-001; TP-002
37.4 / p. 57	In-space manufacturing and process evidence	CL-001; TP-001; TP-002
37.5 / p. 58	Remote changes and interruption	CL-001; TP-001; TP-002
37.6 / p. 58	Disposal and verifiable closure	CL-001; TP-001; TP-002

38 – Lunar, planetary and remote-surface systems

ASTRA / source page	Source subject	Selected supporting documents
38.1 / p. 58	Environment-specific mission concept	CL-001; TP-001; TP-002
38.2 / p. 58	Mobility and integrated resource assurance	CL-001; TP-001; TP-002
38.3 / p. 59	Remote autonomy and human intervention	CL-001; TP-001; TP-002
38.4 / p. 59	Surface infrastructure and resource activities	CL-001; TP-001; TP-002
38.5 / p. 59	Maintenance, retrieval and inaccessible evidence	CL-001; TP-001; TP-002
38.6 / p. 59	Responsible completion and knowledge preservation	CL-001; TP-001; TP-002

39 – Human-system integration, crew and passenger protection

ASTRA / source page	Source subject	Selected supporting documents
39.1 / p. 60	Intended users and representative conditions	CL-001; TP-001; GD-006; HB-003; TP-003; TP-004; TP-005
39.2 / p. 60	Workload, information and error recovery	CL-001; TP-001; GD-006; HB-003; TP-003; TP-004; TP-005
39.3 / p. 60	Life-support and habitation responsibilities	CL-001; TP-001; GD-006; HB-003; TP-003; TP-004; TP-005
39.4 / p. 60	Emergency response and safe-return assumptions	CL-001; TP-001; GD-006; HB-003; TP-003; TP-004; TP-005
39.5 / p. 60	Maintenance and worker protection	CL-001; TP-001; GD-006; HB-003; TP-003; TP-004; TP-005
39.6 / p. 60	Human authority in automated systems	CL-001; TP-001; GD-006; HB-003; TP-003; TP-004; TP-005

40 – Defense, land, maritime and industrial assurance

ASTRA / source page	Source subject	Selected supporting documents
40.1 / p. 61	Contractual, technical and lawful boundaries	CL-001; TP-001; TP-002
40.2 / p. 61	Multi-domain integration	CL-001; TP-001; TP-002
40.3 / p. 61	Mission-support road and off-road vehicles	CL-001; TP-001; TP-002
40.4 / p. 61	Maritime and underwater systems	CL-001; TP-001; TP-002
40.5 / p. 61	Heavy plant and industrial infrastructure	CL-001; TP-001; TP-002
40.6 / p. 62	Controlled technology and long-life support	CL-001; TP-001; TP-002

41 – Materials, advanced manufacture and critical processes

ASTRA / source page	Source subject	Selected supporting documents
41.1 / p. 62	Material identity and technical suitability	CL-001; TP-001; GD-008; TP-002; TP-006
41.2 / p. 62	Integrated route and hidden characteristics	CL-001; PR-009; TP-001; FR-009; SC-001; TP-002; TP-003
41.3 / p. 62	Thermal, joining and surface processes	CL-001; TP-001; GD-008; TP-002; TP-006
41.4 / p. 63	Composites, bonding and additive manufacture	CL-001; TP-001; GD-008; TP-002; TP-006
41.5 / p. 63	Electronics, harnesses, optics and critical assembly	CL-001; TP-001; GD-008; TP-002; TP-006
41.6 / p. 63	Production readiness, transfer and continuing control	CL-001; TP-001; GD-008; TP-002; TP-006

42 – Test, qualification and environmental verification

ASTRA / source page	Source subject	Selected supporting documents
42.1 / p. 63	Requirement-led test strategy	CL-001; PR-009; TP-002; GD-003; HB-002; TP-003; TP-006
42.2 / p. 64	Test tailoring and representativeness	CL-001; TP-002; GD-003; HB-002; TP-003; TP-006; GD-005
42.3 / p. 64	Combined environments and test sequence	CL-001; TP-002; GD-003; HB-002; TP-003; TP-006; GD-005
42.4 / p. 64	Data acquisition, uncertainty and protective limits	CL-001; PR-008; TP-002; GD-003; HB-002; PR-010; TP-003
42.5 / p. 64	Failure, retest and independent judgement	CL-001; TP-002; GD-003; HB-002; PL-002; TP-003; TP-006
42.6 / p. 64	Laboratories and complete reports	CL-001; PR-012; TP-002; GD-003; HB-002; TP-003; TP-006

43 – Propulsion, electrification and hazardous-energy assurance

ASTRA / source page	Source subject	Selected supporting documents
43.1 / p. 65	Integrated energy boundary	CL-001; TP-001; GD-007; TP-002; TP-003; TP-005; TP-006
43.2 / p. 65	Batteries and electrical storage	CL-001; TP-001; GD-007; TP-002; TP-003; TP-005; TP-006
43.3 / p. 65	Hydrogen, fuels and chemical energy	CL-001; TP-001; GD-007; TP-002; TP-003; TP-005; TP-006
43.4 / p. 65	Propulsion and rotating equipment	CL-001; TP-001; GD-007; TP-002; TP-003; TP-005; TP-006
43.5 / p. 66	Ground support and emergency interfaces	CL-001; TP-001; GD-007; TP-002; TP-003; TP-005; TP-006
43.6 / p. 66	Qualification, change and release	CL-001; TP-001; GD-007; TP-002; TP-003; TP-005; TP-006

44 – Software, programmable hardware and digital engineering

ASTRA / source page	Source subject	Selected supporting documents
44.1 / p. 66	Lifecycle and architectural assurance	CL-001; TP-001; GD-011; HB-005; TP-002; TP-003; TP-004
44.2 / p. 66	Source, build and loaded configuration	CL-001; TP-001; GD-011; HB-005; TP-002; TP-003; TP-004
44.3 / p. 67	Verification and target representativeness	CL-001; TP-001; GD-011; HB-005; TP-002; TP-003; TP-004
44.4 / p. 67	Tool and generated-output reliance	CL-001; TP-001; GD-011; HB-005; PL-004; TP-002; TP-003
44.5 / p. 67	Release and update integrity	CL-001; TP-001; GD-011; HB-005; TP-002; TP-003; TP-004
44.6 / p. 67	Long-term support and digital retirement	CL-001; TP-001; GD-011; HB-005; TP-002; TP-003; TP-004

45 – Artificial intelligence, autonomy and human authority

ASTRA / source page	Source subject	Selected supporting documents
45.1 / p. 67	Intended use and prohibited use	CL-001; TP-001; GD-011; HB-005; TP-002; TP-003; TP-004
45.2 / p. 68	Data provenance and evaluation independence	CL-001; TP-001; GD-011; HB-005; TP-002; TP-003; TP-004
45.3 / p. 68	Performance and uncertainty	CL-001; TP-001; GD-011; HB-005; TP-002; TP-003; TP-004
45.4 / p. 68	Human oversight and safe fallback	CL-001; TP-001; GD-011; HB-005; TP-002; TP-003; TP-004
45.5 / p. 68	Release, drift and bounded adaptation	CL-001; TP-001; GD-011; HB-005; TP-002; TP-003; TP-004
45.6 / p. 68	Assurance decisions remain attributable	CL-001; TP-001; GD-011; HB-005; PL-004; TP-002; TP-003

46 – Digital twins, simulation and model credibility

ASTRA / source page	Source subject	Selected supporting documents
46.1 / p. 69	Decision purpose and model authority	CL-001; TP-001; GD-011; HB-005; TP-002; TP-003; TP-004
46.2 / p. 69	Verification, validation and uncertainty	CL-001; TP-001; GD-011; HB-005; TP-002; TP-003; TP-004
46.3 / p. 69	Twin synchronisation and stale state	CL-001; TP-001; GD-011; HB-005; TP-002; TP-003; TP-004
46.4 / p. 69	Replacement or reduction of physical work	CL-001; TP-001; GD-011; HB-005; PL-002; TP-002; TP-003
46.5 / p. 69	Model-based maintenance and remaining life	CL-001; TP-001; GD-011; HB-005; TP-002; TP-003; TP-004
46.6 / p. 70	Reproducibility and independent access	CL-001; TP-001; GD-011; HB-005; TP-002; TP-003; TP-004

47 – Cyber resilience, operational technology and secure updates

ASTRA / source page	Source subject	Selected supporting documents
47.1 / p. 70	Safety-security dependency analysis	CL-001; PR-020; TP-001; GD-009; HB-005; TP-002; TP-003
47.2 / p. 70	Identity, access and privileged actions	CL-001; PR-019; TP-001; GD-009; HB-005; TP-002; TP-003
47.3 / p. 70	Supply-chain and dependency integrity	CL-001; TP-001; GD-009; HB-005; TP-002; TP-003; TP-004
47.4 / p. 71	Connected production and operational technology	CL-001; PR-020; TP-001; GD-009; HB-005; TP-002; TP-003
47.5 / p. 71	Update trust and cryptographic transition	CL-001; PR-020; TP-001; GD-009; HB-005; TP-002; TP-003
47.6 / p. 71	Incident recovery and assured return	CL-001; PR-020; TP-001; FR-022; GD-007; TP-002; TP-003

48 – Supply networks, authenticity and obsolescence

ASTRA / source page	Source subject	Selected supporting documents
48.1 / p. 71	Critical suppliers and actual performers	CL-001; PR-022; TP-001; FR-018; SC-002; TP-002; TP-006
48.2 / p. 71	Flow-down and acknowledgement	CL-001; PR-022; TP-001; FR-018; SC-002; TP-002; TP-006
48.3 / p. 72	Provenance and counterfeit prevention	CL-001; TP-001; GD-008; TP-002; TP-006; TP-007; TP-008
48.4 / p. 72	Split, merge, logistics and storage	CL-001; TP-001; GD-008; TP-002; TP-006; TP-007; TP-008
48.5 / p. 72	Diminishing sources and replacement evidence	CL-001; TP-001; GD-008; TP-002; TP-006; TP-007; TP-008
48.6 / p. 72	Performance, transfer and exit	CL-001; PR-022; TP-001; GD-008; PR-028; TP-002; TP-006

49 – Maintenance, continuing assurance and asset evidence

ASTRA / source page	Source subject	Selected supporting documents
49.1 / p. 72	Exact capability before accepting work	CL-001; TP-006; GD-008; HB-003
49.2 / p. 73	Work planning from the actual asset	CL-001; TP-006; GD-008; HB-003
49.3 / p. 73	Execution, interruptions and human factors	CL-001; TP-006; GD-008; HB-003
49.4 / p. 73	Parts eligibility and life history	CL-001; TP-006; GD-008; HB-003
49.5 / p. 73	Release, restrictions and receiving information	CL-001; TP-006; GD-008; HB-003
49.6 / p. 73	Condition monitoring and long-term support	CL-001; TP-006; GD-008; HB-003

50 – Airports, vertiports and spaceport service integration

ASTRA / source page	Source subject	Selected supporting documents
50.1 / p. 74	Site-specific operating baseline	CL-001; TP-005; GD-007; HB-003; TP-007; GD-009
50.2 / p. 74	Infrastructure condition and usable information	CL-001; TP-005; GD-007; HB-003; TP-007; GD-009
50.3 / p. 74	Construction and operational change	CL-001; TP-005; GD-007; HB-003; TP-007; GD-009
50.4 / p. 74	Coordinated emergency and continuity	CL-001; TP-005; GD-007; HB-003; TP-007; GD-009
50.5 / p. 74	Passenger, accessibility and service interfaces	CL-001; TP-005; GD-007; HB-003; TP-007; GD-009
50.6 / p. 75	Integrated but separate outcomes	CL-001; TP-005; GD-007; HB-003; TP-007; GD-009

51 – Ground operations, navigation support and network continuity

ASTRA / source page	Source subject	Selected supporting documents
51.1 / p. 75	Headquarters and actual station delivery	CL-001; TP-007; GD-009; HB-003
51.2 / p. 75	Turnaround and ground handling	CL-001; TP-007; GD-009; HB-003
51.3 / p. 75	Cargo, energy and specialist support	CL-001; TP-007; GD-009; HB-003
51.4 / p. 75	Flight and navigation-support data	CL-001; TP-007; GD-009; HB-003
51.5 / p. 76	Digital platforms and protected security services	CL-001; TP-007; GD-009; HB-003
51.6 / p. 76	Shared failure and service restoration	CL-001; TP-007; GD-009; HB-003

52 – Education, training and workforce knowledge

ASTRA / source page	Source subject	Selected supporting documents
52.1 / p. 76	Programme and learner boundaries	CL-001; PR-026; TP-004; GD-006; HB-003
52.2 / p. 76	Future skills with demonstrated outcomes	CL-001; TP-004; GD-006; HB-003
52.3 / p. 76	Practical learning and assessment integrity	CL-001; PR-026; TP-004; FR-021; GD-006; GD-012; HB-001
52.4 / p. 77	Instructors, placements and technical currency	CL-001; TP-004; GD-006; HB-003
52.5 / p. 77	Attainment, improvement and learner protection	CL-001; PR-026; TP-004; FR-021; GD-006; GD-012; HB-001

53 – Sustainability, climate and lifecycle stewardship

ASTRA / source page	Source subject	Selected supporting documents
53.1 / p. 77	Declared lifecycle and material effects	CL-001; PR-027; TP-005; GD-010; HB-003; TP-008; PL-003
53.2 / p. 77	Inventory and comparable reduction	CL-001; PR-027; TP-005; FR-025; GD-010; TP-008; GD-012
53.3 / p. 77	Energy attributes and circular resources	CL-001; TP-005; GD-010; HB-003; PL-003; TP-008
53.4 / p. 78	Local effects and climate adaptation	CL-001; TP-005; GD-010; HB-003; PL-003; TP-008
53.5 / p. 78	Statements and independent conclusions	CL-001; PR-027; TP-005; GD-010; HB-003; TP-008; PL-003

54 – Safety integration, emergencies and occurrence learning

ASTRA / source page	Source subject	Selected supporting documents
54.1 / p. 78	Hazards, assumptions and essential controls	CL-001; TP-001; GD-007; HB-003; TP-002; TP-005; TP-006
54.2 / p. 78	Stop authority and escalation	CL-001; PR-013; TP-001; GD-007; HB-003; TP-002; TP-005
54.3 / p. 79	Emergency capability and exercises	CL-001; TP-001; GD-007; HB-003; TP-002; TP-005; TP-006
54.4 / p. 79	Occurrence, escape and affected population	CL-001; PR-013; TP-001; FR-012; SC-003; PR-018; PR-024
54.5 / p. 79	Learning and protected reporting	CL-001; PR-018; TP-001; GD-007; HB-003; PR-024; TP-002

55 – Reliability, availability, maintainability and asset life

ASTRA / source page	Source subject	Selected supporting documents
55.1 / p. 79	Define the claim before the calculation	CL-001; PR-010; TP-001; GD-008; TP-002; TP-003; TP-006
55.2 / p. 79	Failure mechanisms and dependencies	CL-001; TP-001; GD-008; TP-002; TP-003; TP-006; TP-007
55.3 / p. 80	Demonstration and inference limitations	CL-001; PR-010; TP-001; GD-008; TP-002; TP-003; TP-006
55.4 / p. 80	Maintainability and support conditions	CL-001; TP-001; GD-008; TP-002; TP-003; TP-006; TP-007
55.5 / p. 80	Life decisions and uncertainty	CL-001; TP-001; GD-008; TP-002; TP-003; TP-006; TP-007

56 – Digital registry, evidence relationships and portability

ASTRA / source page	Source subject	Selected supporting documents
56.1 / p. 80	Distinct entities and authoritative records	CL-001; PR-001; TP-007; GD-011; HB-001; PR-021; HB-004
56.2 / p. 80	Evidence states and requirement conclusions	CL-001; PR-001; TP-007; GD-011; HB-001; HB-004; HB-005
56.3 / p. 81	Decision and publication safeguards	CL-001; PR-012; TP-007; FR-014; GD-001; PR-014; PR-021
56.4 / p. 81	Validation and prohibited cases	CL-001; PR-020; TP-005; FR-022; GD-007; TP-007; FR-024
56.5 / p. 81	Export, migration and meaningful recovery	CL-001; PR-001; TP-002; FR-001; SC-003; PR-019; PR-020

57 – Assessor qualification, consistency and operator review

ASTRA / source page	Source subject	Selected supporting documents
57.1 / p. 81	Role-specific competence and scope	CL-001; PR-005; TP-003; FR-005; SC-001; TP-004; TP-006
57.2 / p. 81	Initial cadre and equivalent prior work	CL-001; PR-005; TP-004; SC-001; GD-002; HB-001; HB-002
57.3 / p. 82	Practical assessment and maintained practice	CL-001; PR-005; TP-003; FR-005; SC-001; TP-004; TP-006
57.4 / p. 82	Consistency without coerced agreement	CL-001; PR-024; TP-001; FR-027; SC-001; TP-004; GD-002
57.5 / p. 82	Independent accrediting-operator review	CL-001; PR-025; TP-003; FR-001; SC-001; TP-004; FR-027

58 – Integrated assessment, readiness and decision integrity

ASTRA / source page	Source subject	Selected supporting documents
58.1 / p. 82	One scope tuple for each conclusion	CL-001; PR-003; GD-002; HB-001; PR-004; GD-004; HB-002
58.2 / p. 82	Coverage and productive resources	CL-001; PR-007; TP-001; FR-007; SC-001; TP-005; TP-007
58.3 / p. 83	Vertical trails and shared failure	CL-001; PR-009; GD-002; HB-001; PR-013; GD-004; HB-002
58.4 / p. 83	Independent review and non-compensable gates	CL-001; PR-014; GD-002; HB-001; PL-002; GD-004; HB-002
58.5 / p. 83	Continuing status and real chronology	CL-001; PR-015; FR-015; SC-003; GD-001; GD-002; GD-004

59 – Future technology and responsible innovation

ASTRA / source page	Source subject	Selected supporting documents
59.1 / p. 83	Need, benefit and foreseeable consequences	CL-001; PR-002; GD-003; HB-001; PL-004; GD-011
59.2 / p. 83	Distinguish research, pilot and operational use	CL-001; GD-003; HB-001; PL-004; GD-011
59.3 / p. 84	Emerging domains and evidence gaps	CL-001; PR-002; FR-001; SC-004; GD-003; FR-004; GD-011
59.4 / p. 84	Safe experimentation and independent challenge	CL-001; GD-003; HB-001; PL-004; GD-011
59.5 / p. 84	Learning, consultation and controlled adoption	CL-001; PR-002; GD-003; HB-001; PL-004; GD-011

60 – Integrated roadmap and implementation architecture

ASTRA / source page	Source subject	Selected supporting documents
60.1 / p. 84	Foundation and retained architecture	CL-001; TP-001; GD-003; HB-001; DP-001; GD-004
60.2 / p. 85	Common operating system and competent people	CL-001; TP-001; GD-003; HB-001; DP-001; GD-004
60.3 / p. 85	Family and technical-profile development	CL-001; TP-001; GD-003; HB-001; DP-001; GD-004
60.4 / p. 85	Integrated pilots and local system acceptance	CL-001; TP-001; SC-004; GD-003; HB-001; GD-004; RG-007
60.5 / p. 85	Controlled launch, surveillance and evolution	CL-001; PR-024; TP-001; GD-003; HB-001; PR-028; GD-004

61 – Edition control, adoption and publication integrity

ASTRA / source page	Source subject	Selected supporting documents
61.1 / p. 86	Publication identity	CL-001; PR-001; GD-003; HB-001; RG-007; HB-005; DP-001
61.2 / p. 86	Retained text and authored additions	CL-001; PR-002; GD-003; HB-001; DP-001; HB-005
61.3 / p. 86	Dependent documents and compatibility	CL-001; PR-001; TP-002; FR-001; SC-003; PR-028; TP-004
61.4 / p. 86	Actual approval and activation	CL-001; PR-002; SC-004; GD-003; HB-001; HB-005; DP-001
61.5 / p. 87	Correction, custody and file integrity	CL-001; PR-001; GD-003; HB-001; DP-001; HB-005

62 – Requirement specification and deterministic decision logic

ASTRA / source page	Source subject	Selected supporting documents
62.1 / p. 88	Atomic requirement record	CL-001; PR-001; TP-001; FR-001; SC-002; PR-002; PR-003
62.2 / p. 88	Mandatory parameter completion	CL-001; PR-002; TP-001; FR-001; SC-002; PR-003; PR-010
62.3 / p. 88	Evidence validity before conformity	CL-001; PR-009; TP-001; FR-001; SC-001; PR-010; PR-011
62.4 / p. 88	Four requirement states	CL-001; PR-004; TP-001; FR-001; SC-003; PR-010; PR-012
62.5 / p. 89	No compensation or favourable default	CL-001; PR-005; TP-001; FR-001; SC-001; PR-006; PR-013
62.6 / p. 89	Exceptions, tailoring and unresolved conflict	CL-001; TP-001; GD-011; HB-001; TP-002; TP-003; TP-004
62.7 / p. 89	Decision replay and consistency	CL-001; PR-001; TP-001; FR-001; SC-003; PR-006; PR-010

63 – Complete space-domain applicability and mission boundaries

ASTRA / source page	Source subject	Selected supporting documents
63.1 / p. 90	Domain selection without geographic omission	CL-001; PR-004; TP-001; FR-002; GD-001; TP-002; TP-003
63.2 / p. 90	Object and activity rather than a universal label	CL-001; PR-003; TP-001; FR-002; SC-002; PR-021; TP-002
63.3 / p. 90	Environment, phase and mode matrix	CL-001; PR-004; TP-001; FR-002; SC-001; PR-007; PR-008
63.4 / p. 90	No automatic new programme family	CL-001; TP-001; GD-011; HB-001; TP-002; TP-003; TP-004
63.5 / p. 91	Unknown and future environments	CL-001; PR-002; TP-001; FR-001; SC-004; TP-002; TP-003
63.6 / p. 91	Interface and lifecycle closure	CL-001; PR-003; TP-001; FR-002; SC-002; PR-004; PR-022

64 – Mission architecture and environmental definition

ASTRA / source page	Source subject	Selected supporting documents
64.1 / p. 92	Mission environmental baseline	CL-001; TP-001; GD-011; HB-001; TP-002; TP-003; TP-005
64.2 / p. 92	Geometry, reference frames and event time	CL-001; PR-010; TP-001; FR-004; GD-002; TP-002; TP-003
64.3 / p. 92	Uncertainty, scenarios and design envelope	CL-001; TP-001; GD-011; HB-001; TP-002; TP-003; TP-005
64.4 / p. 92	Resource budgets and coupled margins	CL-001; PR-007; TP-001; FR-007; SC-001; PR-023; TP-002
64.5 / p. 92	Heritage and similarity	CL-001; PR-004; TP-001; FR-002; SC-001; PR-009; PR-011
64.6 / p. 93	Baseline maintenance and irreversible decisions	CL-001; PR-015; TP-001; FR-015; SC-003; TP-002; TP-003

65 – Spacecraft platform, payload and subsystem assurance

ASTRA / source page	Source subject	Selected supporting documents
65.1 / p. 94	Structures, mechanisms and deployment	CL-001; TP-002; GD-011; HB-001; TP-003; TP-006; HB-003
65.2 / p. 94	Thermal control and thermal protection	CL-001; TP-002; GD-011; HB-001; TP-003; TP-006; HB-003
65.3 / p. 94	Power generation, storage and distribution	CL-001; TP-002; GD-011; HB-001; TP-003; TP-006; HB-003
65.4 / p. 94	Avionics, electronics and radiation effects	CL-001; TP-002; GD-011; HB-001; TP-003; TP-006; HB-003
65.5 / p. 95	Attitude, pointing, sensing and control interfaces	CL-001; TP-002; GD-011; HB-001; TP-003; TP-006; HB-003
65.6 / p. 95	Payload function and scientific or service output	CL-001; PR-012; TP-002; FR-011; GD-002; TP-003; TP-006
65.7 / p. 95	Integrated platform acceptance	CL-001; TP-002; GD-011; HB-001; TP-003; TP-006; HB-003

66 – Communications, navigation support and time services

ASTRA / source page	Source subject	Selected supporting documents
66.1 / p. 96	End-to-end service definition	CL-001; TP-003; GD-011; HB-001; TP-007; HB-003
66.2 / p. 96	Link and performance budgets	CL-001; TP-003; GD-011; HB-001; TP-007; HB-003
66.3 / p. 96	Delay and feasible intervention	CL-001; PR-008; TP-003; FR-008; GD-002; TP-005; TP-007
66.4 / p. 96	Data age and time uncertainty	CL-001; PR-008; TP-003; FR-008; GD-002; TP-005; TP-007
66.5 / p. 97	Position and navigation-support integrity	CL-001; TP-003; GD-011; HB-001; TP-007; HB-003
66.6 / p. 97	Secure command and relay interfaces	CL-001; TP-003; GD-011; HB-001; TP-007; HB-003
66.7 / p. 97	Outage, recovery and service evidence	CL-001; PR-020; TP-003; FR-022; GD-007; TP-005; TP-007

67 – Ground segment, command lifecycle and mission operations

ASTRA / source page	Source subject	Selected supporting documents
67.1 / p. 98	Configuration and operational baseline	CL-001; PR-019; TP-005; FR-026; SC-003; TP-007; TP-008
67.2 / p. 98	Command proposal and preconditions	CL-001; TP-005; GD-011; HB-001; TP-007; HB-003
67.3 / p. 98	Receipt, execution and completion	CL-001; PR-008; TP-003; FR-008; GD-002; PR-012; TP-005
67.4 / p. 98	Planning and conflicts	CL-001; TP-005; GD-011; HB-001; TP-007; HB-003
67.5 / p. 99	Personnel, handover and remote support	CL-001; TP-005; GD-011; HB-001; TP-007; HB-003
67.6 / p. 99	Anomaly response and safe restoration	CL-001; PR-020; TP-005; FR-022; GD-007; TP-007; FR-024
67.7 / p. 99	Rehearsal and independent readiness	CL-001; TP-005; GD-011; HB-001; TP-007; HB-003

68 – Constellations, traffic interfaces and orbital stewardship

ASTRA / source page	Source subject	Selected supporting documents
68.1 / p. 100	Fleet membership and common dependencies	CL-001; TP-008; GD-011; HB-001; HB-003
68.2 / p. 100	Distributed function and degradation	CL-001; TP-008; GD-011; HB-001; HB-003
68.3 / p. 100	Tracking and conjunction-information quality	CL-001; TP-008; GD-011; HB-001; HB-003
68.4 / p. 100	Coordination and consent	CL-001; TP-008; GD-011; HB-001; HB-003
68.5 / p. 101	Debris prevention and released items	CL-001; TP-008; GD-011; HB-001; HB-003
68.6 / p. 101	Mission extension and terminal resources	CL-001; PR-015; TP-008; FR-015; SC-003; GD-001; GD-007
68.7 / p. 101	Status and long-term custody	CL-001; PR-016; TP-002; FR-001; SC-003; PR-028; TP-004

69 – Servicing, docking, assembly and on-orbit interventions

ASTRA / source page	Source subject	Selected supporting documents
69.1 / p. 102	Consent and exact intervention	CL-001; PR-022; TP-002; FR-018; SC-002; TP-006; SC-004
69.2 / p. 102	Interface compatibility	CL-001; TP-002; GD-011; HB-001; TP-006; HB-003
69.3 / p. 102	Relative-state and completion evidence	CL-001; TP-002; GD-011; HB-001; TP-006; HB-003
69.4 / p. 102	Interruptions and safe boundaries	CL-001; TP-002; GD-011; HB-001; TP-006; HB-003
69.5 / p. 103	Transferred material, energy and data	CL-001; TP-002; GD-011; HB-001; TP-006; HB-003
69.6 / p. 103	Post-intervention configuration and service claim	CL-001; TP-002; GD-011; HB-001; TP-006; HB-003

70 – Launch, re-entry, reuse and ground-interface assurance

ASTRA / source page	Source subject	Selected supporting documents
70.1 / p. 104	Distinct release objects	CL-001; TP-002; GD-011; HB-001; TP-005; TP-006; TP-007
70.2 / p. 104	Integrated environment and interface verification	CL-001; TP-002; GD-011; HB-001; TP-005; TP-006; TP-007
70.3 / p. 104	Test and hazardous-work readiness	CL-001; TP-002; GD-011; HB-001; TP-005; TP-006; TP-007
70.4 / p. 104	Reuse and cumulative history	CL-001; TP-002; GD-011; HB-001; TP-005; TP-006; TP-007
70.5 / p. 105	Return, landing and recovery interfaces	CL-001; TP-002; GD-011; HB-001; TP-005; TP-006; TP-007
70.6 / p. 105	Readiness decision and post-event learning	CL-001; TP-002; GD-011; HB-001; TP-005; TP-006; TP-007

71 – Lunar, planetary, small-body and ocean-world systems

ASTRA / source page	Source subject	Selected supporting documents
71.1 / p. 106	Destination-specific conditions	CL-001; TP-002; GD-011; HB-001; TP-008; HB-003
71.2 / p. 106	Surface mobility and interaction	CL-001; TP-002; GD-011; HB-001; TP-008; HB-003
71.3 / p. 106	Atmospheric and buoyant exploration	CL-001; TP-002; GD-011; HB-001; TP-008; HB-003
71.4 / p. 106	Subsurface and ocean-world interfaces	CL-001; TP-002; GD-011; HB-001; TP-008; HB-003
71.5 / p. 107	Long darkness and resource interruption	CL-001; TP-002; GD-011; HB-001; TP-008; HB-003
71.6 / p. 107	Construction and surface infrastructure	CL-001; TP-002; GD-011; HB-001; TP-008; HB-003
71.7 / p. 107	Autonomy and limited intervention	CL-001; TP-002; GD-011; HB-001; TP-008; HB-003
71.8 / p. 107	Completion, samples and remaining duties	CL-001; TP-002; GD-011; HB-001; TP-008; HB-003

72 – Deep-space, solar and long-duration exploration

ASTRA / source page	Source subject	Selected supporting documents
72.1 / p. 108	Time horizon and recoverability	CL-001; TP-001; GD-011; HB-001; CL-002; TP-002; TP-003
72.2 / p. 108	Solar and extreme thermal exposure	CL-001; TP-001; GD-011; HB-001; CL-002; TP-002; TP-003
72.3 / p. 108	Low-flux and limited-power missions	CL-001; TP-001; GD-011; HB-001; CL-002; TP-002; TP-003
72.4 / p. 108	Autonomy during long communication delay	CL-001; TP-001; GD-011; HB-001; CL-002; TP-002; TP-003
72.5 / p. 108	Ageing and long-term digital support	CL-001; TP-001; GD-011; HB-001; CL-002; TP-002; TP-003
72.6 / p. 109	Scientific instruments and observation integrity	CL-001; TP-001; GD-011; HB-001; CL-002; TP-002; TP-003
72.7 / p. 109	Future-domain feasibility and responsible closure	CL-001; TP-001; GD-011; HB-001; CL-002; TP-002; TP-003

73 – Human flight, habitats and extravehicular systems

ASTRA / source page	Source subject	Selected supporting documents
73.1 / p. 110	Population, mission and human tasks	CL-001; PR-005; TP-003; FR-005; SC-001; PR-026; TP-004
73.2 / p. 110	Integrated life support	CL-001; TP-003; GD-011; HB-001; TP-004; HB-003
73.3 / p. 110	Consumables and survival time	CL-001; TP-003; GD-011; HB-001; TP-004; HB-003
73.4 / p. 110	Habitat integrity and interfaces	CL-001; TP-003; GD-011; HB-001; TP-004; HB-003
73.5 / p. 111	Human factors and effective authority	CL-001; PR-005; TP-003; FR-005; SC-001; TP-004; TP-006
73.6 / p. 111	Extravehicular activity and individual equipment	CL-001; TP-003; GD-011; HB-001; TP-004; HB-003
73.7 / p. 111	Medical capability and health-data boundaries	CL-001; PR-019; TP-003; FR-026; SC-003; TP-004; TP-008
73.8 / p. 111	Emergency, refuge and safe return	CL-001; TP-003; GD-011; HB-001; TP-004; HB-003

74 – Planetary protection, sample return and scientific integrity

ASTRA / source page	Source subject	Selected supporting documents
74.1 / p. 112	Mission-specific protection classification	CL-001; TP-002; GD-011; HB-001; TP-003; TP-005; TP-008
74.2 / p. 112	Contamination pathways and control allocation	CL-001; TP-002; GD-011; HB-001; TP-003; TP-005; TP-008
74.3 / p. 112	Scientific cleanliness and background	CL-001; TP-002; GD-011; HB-001; TP-003; TP-005; TP-008
74.4 / p. 112	Sample identity and custody	CL-001; PR-008; TP-002; FR-008; SC-003; PR-019; TP-003
74.5 / p. 113	Return-chain containment and receiving readiness	CL-001; TP-002; GD-011; HB-001; TP-003; TP-005; TP-008
74.6 / p. 113	Anomalies, unknown state and release of information	CL-001; PR-012; TP-002; FR-011; GD-002; PR-018; TP-003
74.7 / p. 113	Disposition and residual responsibility	CL-001; PR-028; TP-002; FR-001; SC-003; TP-003; TP-004

75 – In-space manufacture, resource use and logistics

ASTRA / source page	Source subject	Selected supporting documents
75.1 / p. 114	Process purpose and environment	CL-001; TP-002; GD-011; HB-001; TP-006; TP-007; TP-008
75.2 / p. 114	Inputs, feedstock and source variability	CL-001; TP-002; GD-011; HB-001; TP-006; TP-007; TP-008
75.3 / p. 114	Essential variables and remote monitoring	CL-001; PR-009; TP-002; FR-009; SC-001; TP-003; TP-006
75.4 / p. 114	Yield, mass balance and circularity	CL-001; PR-027; TP-002; FR-025; GD-010; TP-006; TP-007
75.5 / p. 115	Logistics, storage and compatibility	CL-001; TP-002; GD-011; HB-001; TP-006; TP-007; TP-008
75.6 / p. 115	Maintenance, spares and distributed production	CL-001; TP-002; GD-011; HB-001; TP-006; TP-007; TP-008
75.7 / p. 115	Handover, resource claims and closure	CL-001; PR-022; TP-002; FR-001; SC-002; PR-028; TP-004

76 – Space energy infrastructure and specialised power oversight

ASTRA / source page	Source subject	Selected supporting documents
76.1 / p. 116	System boundary and conversion chain	CL-001; TP-002; GD-011; HB-001; TP-003; TP-005; TP-007
76.2 / p. 116	Beamed and remote energy services	CL-001; TP-002; GD-011; HB-001; TP-003; TP-005; TP-007
76.3 / p. 116	Cryogenic, chemical and pressure interfaces	CL-001; TP-002; GD-011; HB-001; TP-003; TP-005; TP-007
76.4 / p. 116	Nuclear and radiation-source governance	CL-001; TP-002; GD-011; HB-001; TP-003; TP-005; TP-007
76.5 / p. 117	Infrastructure availability and failure propagation	CL-001; TP-002; GD-011; HB-001; TP-003; TP-005; TP-007
76.6 / p. 117	Degradation, environmental claims and retirement	CL-001; PR-027; TP-002; FR-025; GD-010; TP-003; TP-005

77 – Verification campaigns and quantitative closure

ASTRA / source page	Source subject	Selected supporting documents
77.1 / p. 118	Requirement-to-method completeness	CL-001; PR-007; TP-001; FR-007; SC-001; TP-002; TP-003
77.2 / p. 118	Campaign design and article pedigree	CL-001; PR-007; TP-001; FR-007; SC-001; PR-009; PR-011
77.3 / p. 118	Measurement and uncertainty readiness	CL-001; PR-009; TP-002; FR-004; SC-001; PR-010; TP-003
77.4 / p. 118	Combined effects and sequence	CL-001; TP-002; GD-011; HB-001; TP-003; TP-006; HB-003
77.5 / p. 118	Original data and invalid tests	CL-001; PR-008; TP-002; FR-008; SC-003; PR-011; PR-012
77.6 / p. 119	Numerical and attribute acceptance	CL-001; PR-010; TP-002; FR-004; GD-002; TP-003; TP-006
77.7 / p. 119	Retest and corrective verification	CL-001; PR-009; TP-002; FR-009; SC-001; PR-011; PR-013
77.8 / p. 119	Independent campaign closure	CL-001; PR-012; TP-001; FR-001; SC-004; PR-014; PR-024

78 – Digital, AI and autonomous mission assurance

ASTRA / source page	Source subject	Selected supporting documents
78.1 / p. 120	Released digital configuration	CL-001; TP-002; GD-011; HB-001; TP-003; TP-004; TP-006
78.2 / p. 120	Operational domain and prohibited behaviour	CL-001; TP-002; GD-011; HB-001; TP-003; TP-004; TP-006
78.3 / p. 120	Evaluation data and model credibility	CL-001; PR-019; TP-002; FR-021; SC-003; PR-026; TP-003
78.4 / p. 120	Human authority and consequential decisions	CL-001; PR-005; TP-002; FR-003; SC-001; PR-006; PR-026
78.5 / p. 121	Security and trusted updates	CL-001; PR-020; TP-002; FR-022; GD-007; TP-003; TP-004
78.6 / p. 121	Monitoring, drift and adaptation	CL-001; PR-015; TP-002; FR-015; SC-003; TP-003; TP-004
78.7 / p. 121	Recovery and semantic portability	CL-001; PR-001; TP-002; FR-001; SC-003; PR-008; PR-019

79 – Contingency survivability and terminal-state stewardship

ASTRA / source page	Source subject	Selected supporting documents
79.1 / p. 122	Protect people and essential assets before mission success	CL-001; TP-002; GD-011; HB-001; TP-005; TP-006; TP-007
79.2 / p. 122	Emergency feasibility and resources	CL-001; TP-002; GD-011; HB-001; TP-005; TP-006; TP-007
79.3 / p. 122	Loss of contact and uncertain physical state	CL-001; PR-016; TP-002; FR-016; SC-003; PR-020; TP-005
79.4 / p. 122	Affected populations and historical decisions	CL-001; PR-013; TP-001; FR-012; SC-003; PR-016; PR-017
79.5 / p. 122	Terminal evidence and responsible transfer	CL-001; PR-028; TP-002; FR-001; SC-003; TP-004; TP-005
79.6 / p. 123	Learning and sustained accountability	CL-001; PR-018; TP-001; FR-017; GD-004; PR-024; TP-002

80 – Integrated all-domain profile and final release

ASTRA / source page	Source subject	Selected supporting documents
80.1 / p. 124	One complete application schedule	CL-001; PR-002; TP-001; FR-001; SC-002; PR-003; PR-004
80.2 / p. 124	Domain and verification completeness	CL-001; PR-004; TP-001; FR-001; SC-001; PR-007; PR-014
80.3 / p. 124	Competent independent closure	CL-001; PR-005; TP-001; FR-001; SC-001; PR-006; PR-014
80.4 / p. 124	Bounded claim and publication	CL-001; PR-001; TP-001; FR-001; SC-002; PR-003; PR-012
80.5 / p. 124	Continuing conformity and change	CL-001; PR-015; TP-001; FR-001; SC-003; PR-016; PR-028
80.6 / p. 125	Completion boundary	CL-001; PR-002; TP-001; FR-001; SC-004; TP-002; TP-003

6 Domain, verification and parameter navigation

Source group	Where it is implemented	Meaning and limitation
AK01–AK32 / 32 domains	Core Annex AK; DP-001; TP-001 full catalogue; other technical books by trigger; CL-001 and family checklists.	Destination and activity applicability, not a ninth family or unrestricted mission approval.
T01–T38 / 38 verification domains	Core Annex T; TP-003 detailed domain cards; CL-004 domain checkpoints.	A planning classification, not universal test severities or independently complete laboratory methods.
P01–P18 / 18 parameter groups	Core Annex AO; relevant operating documents and forms; CL-001 all groups and family selections.	Actual values, observable attributes, units, basis and approval must be completed before assessment.
Q01–Q25 / 25 worked calculation subjects	Core Annex AM; selected worked examples and synthetic charts in supporting documents.	Example values are synthetic; calculation validity and technical application remain separate.
AP01–AP48 / 48 adverse challenges	Core Annex AP; common checklist; process-specific adverse-case designs throughout the set.	Test designs only until the actual local version is exercised and original failures are corrected and retested.
AL acceptance grammar	Core Annex AL; explicit state contract in supporting documents; source and child-condition checklist fields.	PASS / FAIL / HOLD / approved N/A are requirement states. UNSET only denotes an uncompleted UI field.

7 Retained recording interfaces and new field contracts

The 28 form codes continue to implement the 28 common record modules. Their existing field identities and meanings are retained; added fields capture domain, phase/mode, full child population, prospective parameters, evidence validity, uncertainty, configuration differences, common dependencies, remote completion, adverse testing, independent replay, claims and receiving custody. Registers and schedules keep their original entry identifiers and add the same controlled relationships.

Role of a record	Required distinction
Template	A blank capture tool, not proof that a task occurred.
Original evidence	Attributable actual data with object, configuration, method, performer and time.
Purpose-specific acceptance	A competent finding that particular evidence supports a particular inference.
Independent result	A reasoned decision made through actual competence, independence and authority.
Public projection	Only the permitted scope and status; protected raw details remain in authorised custody.

Long text can scroll in a field. Full printable evidence must be carried on an identified continuation or attachment and referenced from the parent field. Typed names are not authenticated signatures. The PDFs do not deploy a database, enforce access rights, calculate live deadlines or grant authority.

8 File-integrity manifest

The following SHA-256 values identify the other 107 individual files in this collection. The master list does not contain its own hash because that would create a self-referential value. The core fingerprint is identical to the supplied 248-page source. Hash equality establishes byte identity, not technical correctness or operational approval.

Document / pages	SHA-256
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AF-AST-PL-001 / 32 pages	d781ab20a936d6481126234dc0a63d41d3be68329fbe92b827be061b4d1574da
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AF-AST-PL-003 / 38 pages	496d16e51eb1688d94b89ec39b2778e9a7b688442ae95464c0dfa410ac5378a6
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AF-AST-SC-004 / 41 pages	6247e5b911af89aa31bc33ffe38b28b086493b9bb375261ed86db7dcffdc016

9 Verification and genuine implementation boundary

Publication checks examine code counts, source identifiers, profile/checklist control parity, file readability, page geometry, bookmarks, internal links, field identities and initially uncompleted responses. Arithmetic checks use independently computed synthetic expected answers and valid/invalid boundary cases. Field save/reopen tests are performed on separate clearly marked QA copies; the issued templates remain uncompleted.

The numerical check record contains 52 test groups, including interval-boundary and invalid-input cases, source arithmetic and Boolean decision conditions. These tests support the published worked examples. They do not verify a real mission environment, product suitability, physiological limit, actual local software deployment or independent institutional standing.

Technical specialist review, real representative operation, required consultation, genuine adoption, scoped operator authority and local activation remain separately necessary. An unresolved essential criterion, unknown physical state or missing receiving custodian is not closed by producing this collection. Use FR-001 and SC-004 for authentic release records and PR-028 for controlled transition and continued custody.

10 Record preservation and transition

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