



# Ministry of Defence

**Contract Number: 707083450**

## **Schedule 12: Standards and Regulations**

**For:  
FW CSAT Phase 2 Contract**

Amendment

Date

- 1 The following standards and regulations shall apply to this Contract:
- 1.1 **Defence Standards** (DEFSTANS): In complying with these Standards, the Contractor may use established processes where they can be demonstrated to be equivalent.

Reference	Part No.	Issue	Title
00-027	-	4	The Measurement of Impulse Noise from Military Weapons, Explosives and Pyrotechnics; and Selection of Hearing Protection
00-040	1	9	Reliability and Maintainability - Management Responsibilities and Requirements for Programmes and Plans
00-042	3	6	Reliability and Maintainability Assurance Activity - R&M Case
00-042	5	3	In-service Reliability Demonstrations
00-051	1	2	Environmental Management Requirements for Defence Systems
00-055	1	5	Requirements for Safety of Programmable Elements (PE) in Defence Systems
00-056	1	8	Safety Management Requirements for Defence Systems
00-135	-	1	Mandatory Security Requirements of M-code/SAASM GPS Receiver Systems for UK MOD and Defence Contractors
00-251	-	2	Human Factors Integration for Defence Systems
00-970	0	24	Certification Specifications for Airworthiness
00-970	5	9	Design and Airworthiness Requirements for Service Aircraft – Large Type Aeroplanes
00-970	11	8	Design and Airworthiness Requirements for Service Aircraft – Engines
00-970	13	15	Design and Airworthiness Requirements for Service Aircraft – Military Common Fit Equipment
01-529	-	5	Contractors on Deployed Operations (CONDO) Processes and Requirements
05-018	-	6	Symbol Markings of Servicing and Safety/Hazard Points on Aircraft, Ground Support Equipment and Guided Weapons Systems
05-057	-	8	Configuration Management of Defence Materiel
05-061	1	7	Quality Assurance Procedural Requirements - Concessions
05-061	4	4	Quality Assurance Procedural Requirements – Contractor Working Parties
05-061	9	6	Quality Assurance Procedural Requirements – Independent Inspection Requirements for Safety Critical Items

Reference	Part No.	Issue	Title
05-099	1	1	Managing Government Furnished Equipment in Industry Provides end to end view of MOD requirements for the management of GFE in Industry
05-099	2	1	Managing Government Furnished Equipment in Industry - Requirement for the Management of Industry held by a delivery partner (DP), on behalf of the MOD as stated in the DP Contract
05-100	-	6	MOD Requirements for Aircraft flight and Ground Running
05-134	-	1	Specification for the Integration Testing of Aircrew Equipment Assemblies and Survival Equipment
05-135	-	2	Avoidance of Counterfeit Materiel
05-138	-	2	Cyber Security for Defence Suppliers
05-139	-	1	Cyber Security and Resilience of Products, Systems and Services
08-042	-	3	Armour Proof Ballistic Test Methodology
59-113	-	3	Lightning Strike Protection Requirements for Service Aircraft
59-114	1	2	Safety Principles for Electrical Circuits in Systems Incorporating Explosive Components
59-411	1	3	Electromagnetic Compatibility (EMC): Management and Planning
59-411	2	3	Electromagnetic Compatibility (EMC): The Electric, Magnetic and Electromagnetic Environment
59-411	3	3	Electromagnetic Compatibility (EMC): Test Methods and Limits for Equipment and Sub Systems
59-411	4	3	Electromagnetic Compatibility (EMC): Platform and System Tests and Trials
59-411	5	3	Electromagnetic Compatibility (EMC): Code of Practice for Tri-Service Design and Installation
61-012	33	6	Wires, Cords, and Cables, Electrical Metric Units: Airframe Wires and Cables in the Temperature Categories 135° C, 150° C, 200° C and 260° C
61-012	33	6	Supplement 001 - Wires, Cord and Cables: Electrical Airframe Wires and Cables
61-012	33	5	Supplement 008 - Wires, Cords and Cables Electrical: Airframe Wires and Cables
61-021	-	4	General Specification for Batteries
66-031	6	3	Basic Requirements and Tests for Electronic and Electrical Test and Measurement Equipment: Requirements for General Purpose TME Applications

Reference	Part No.	Issue	Title
66-031	7	3	Basic Requirements and Tests for Electronic and Electrical Test and Measurement Equipment: Guidance on the Evaluation of Commercial-off-the-Shelf (COTS) Test and Measurement Equipment for Air, Land and Naval Applications
68-284	1	1	Breathing Gases for Non-Medicinal Life-Support Applications Part 01: Supply Requirements
68-284	2	1	Breathing Gases for Non-Medicinal Life-Support Applications Part 02: Breathing Oxygen
80-158	-	5	Paint, Finish, Erosion Resisting for Aircraft, Polyurethane, Multi-Pack. VOC Compliant

1.2 North Atlantic Treaty Organisation (NATO) Allied Quality Assurance Publications (AQAPs):

Reference	Edition	Version	Title
2105	C	1	NATO Requirements for Quality Plans
2210	B	1	NATO Supplementary Software Quality Assurance requirements to AQAP 2310
2310	B	2	NATO Quality Assurance Requirements for Aviation, Space and Defence Suppliers

1.3 UK Military Airworthiness Authority (MAA) Regulatory Publications (MRP) and Regulatory Articles (RAs):

Reference	Issue	Detail
MAA01	11	MAA Regulatory Principles
MAA02	11	MAA Master Glossary
MAA03	13	MAA Regulatory Processes
MAS	9	Manual of Air Safety
MASSC	3	Manual of Air System Safety Cases
MASIM	4	Manual of Air System Integrity Management
MMAC	4	Manual of Military Air System Certification
MMAR	3	Manual of Military Airworthiness Recognition
MAPCM	6	Manual of Aircraft Post Crash Management
MAM-P	2.7	Manual of Airworthiness Maintenance - Processes
MAM-D	3	Manual of Airworthiness Maintenance - Documentation

Reference	Issue	Detail
RA 1005 (2)	9	Design Organisations
RA 1014 (1)	7	Design Organisations and Coordinating Design Organisations - Airworthiness Responsibilities
RA 1014 (2)	7	Air System Coordinating Design Organisation
RA 1200 (1)	7	Air Safety Management
RA 1202 (1)	Initial	Cyber Security for Airworthiness and Air Safety
RA 1207 (2)	Initial	Air Safety Data Exploitation Procedures
RA 1208 (1)	2	The Flight Data Monitoring Programme
RA 1208 (2)	2	Flight Data Monitoring Effectiveness
RA 1223	2	Airworthiness Information Management
RA 1225 (1)	3	Air Safety Documentation Audit Trail
RA 1230 (1)	6	Design Safety Target Criteria
RA 1300 (1)	8	Requirement for a Release To Service
RA 1310 (3)	7	Verification of the Air System Document Set
RA 1340 (1)	4	Equipment Not Basic to the Air System
RA 1400	4	Flight Safety
RA 1410 (1)	10	Occurrence Reporting and Management
RA 1430 (2)	5	Aircraft Post Crash Management and Significant Occurrence Management - Accountable Managers (Military Flying)
RA 1440 (1)	10	Air Safety Training
RA 1800 (1)	Initial	Aerodrome and Air Weapon Range Aviation Activity - Management of Environmental Impacts and Risks
RA 1801 (1)	Initial	The Air System Environmental Case and Air System Environmental Case Report
RA 1802 (1)	Initial	Aviation Greenhouse Gas Emissions
RA 1910 (1)	5	Quality Assurance of aviation fuel from non-UK MOD Sources
RA 2370 (3)	5	Test and Evaluation Activity
RA 4009 (1)	3	Aviation Engineering Orders and Local Procedures
RA 4053 (1)	4	Royal Flights and Flights for Nominated Very Important Persons
RA 4054 (1)	3	Ground Handling Operations

Reference	Issue	Detail
RA 4103 (1)	3	Removal of Body Fluid Contamination from Aircraft
RA 4213 (1)	3	Control of Air System Components used in Ground Test Facilities
RA 4253 (1)	3	Loose Article Recovery
RA 4253 (2)	3	Certification of Air System Release Following Unsuccessful Loose Article Search
RA 4800 (1)	11	General Requirements (MRP Part 145)
RA 4800 (2)	11	Distribution of Approved Maintenance Organization Exposition and Supplement Documents
RA 4801 (1)	7	Certifying Staff
RA 4802 (1)	6	Scope of the MRP part 145 (MRP 145.A.10), approved maintenance organisations only
RA 4803 (1)	6	Regulatory Article (RA) 4803: method of application for approval (MRP 145.A.15), approved maintenance organisations only
RA 4804 (1)	5	Regulatory Article (RA) 4804: terms of approval (MRP 145.A.20), approved maintenance organisations only
RA 4805 (1)	5	Facility Requirements (MRP 145.A.25)
RA 4805 (2)	5	Office Accommodation (MRP 145.A.25(b))
RA 4805 (3)	5	Working Environment (MRP 145.A.25(c))
RA 4805 (4)	5	Storage Facilities (MRP 145.A.25(d))
RA 4806 (1)	9	Accountable Manager (Maintenance) (MRP 145.A.30(a))
RA 4806 (2)	9	Personnel Responsible to the Accountable Manager (Maintenance) (MRP 145.A.30(b))
RA 4806 (3)	9	Quality Manager (MRP 145.A.30(c))
RA 4806 (4)	9	Maintenance Working Hours Plan (MRP 145.A.30(d))
RA 4806 (5)	9	Personnel Competences and Authorization (MRP 145.A.30(e))
RA 4806 (6)	9	Specialized Services (MRP 145.A.30(f))
RA 4806 (7)	9	Air System Certifying Staff (Line Maintenance) (MRP 145.A.30(g)) - Approved Maintenance Organizations only
RA 4807 (3)	7	Staff Experience Requirements (MRP 145.A.35(c))
RA 4807 (4)	7	Staff Continuation Training (MRP 145.A.35(d))
RA 4807 (5)	7	Continuation Training Programme (MRP 145.A.35(e))
RA 4807 (6)	7	Certifying Staff Competence Assessment (MRP 145.A.35(f))
RA 4807 (7)	7	Issue of Certification Authorization (MRP 145.A.35(g))

Reference	Issue	Detail
RA 4807 (8)	7	Certification Authorization Codes (MRP 145.A.35(h))
RA 4807 (9)	7	Responsibility for Issuing Certification Authorization (MRP 145.A.35(i))
RA 4807 (10)	7	Record of Staff (MRP 145.A.35(j))
RA 4807 (11)	7	Provision to Staff of a Copy of Their Authorizations (MRP 145.A.35(k))
RA 4807 (12)	7	Requirement to Produce Certification Authorization (MRP 145.A.35(l))
RA 4808 (1)	7	Accounting of Equipment, Tools and Materials (MRP 145.A.40(a))
RA 4808 (2)	7	Availability of Equipment, Tools and Materials (MRP 145.A.40(b))
RA 4808 (3)	7	Management and Calibration of Equipment and Tools (MRP 145.A.40(c))
RA 4809 (1)	9	Component Classification and Documentation (MRP 145.A.42(a))
RA 4809 (2)	9	Suitability of Components (MRP 145.A.42(b))
RA 4809 (3)	9	Local Manufacture/Fabrication of Components (MRP 145.A.42(c))
RA 4810 (1)	7	Use of Approved and Current Technical Information (MRP 145.A.45(a))
RA 4810 (2)	7	Scope of Applicable Technical Information (MRP 145.A.45(b))
RA 4810 (3)	7	Requirement to Inform Technical Information Author of Errors (MRP 145.A.45(c))
RA 4810 (4)	7	Modification of Technical Information (MRP 145.A.45(d))
RA 4810 (5)	7	Common Work Card or Work Sheet (MRP 145.A.45(e))
RA 4810 (6)	7	Availability of Technical Information (MRP 145.A.45(f))
RA 4810 (7)	7	Maintaining the Amendment State of Technical Information (MRP 145.A.45(g))
RA 4811 (1)	5	Maintenance Planning System (MRP 145.A.47(a))
RA 4811 (2)	5	Human Factors Limitations (MRP 145.A.47(b))
RA 4811 (3)	5	Handover of Maintenance Tasks (MRP 145.A.47(c))
RA 4812 (1)	9	Certification of Air System Release (MRP 145.A.50(a))
RA 4812 (2)	9	Air System Release for Flight (MRP 145.A.50(b))
RA 4812 (3)	9	New Faults (MRP 145.A.50(c))
RA 4812 (4)	9	Certification of Component Release and Cannibalization (MRP 145.A.50(d))
RA 4812 (5)	9	Deferred and Incomplete Maintenance (MRP 145.A.50(e))
RA 4812 (6)	9	Component Concessions

Reference	Issue	Detail
RA 4813 (1)	9	Recording and Retention of Maintenance Work (MRP 145.A.55(a))
RA 4813 (2)	9	Copies of Maintenance Records (MRP 145.A.55(b))
RA 4813 (3)	9	Management of Retained Maintenance Records (MRP 145.A.55(c))
RA 4813 (4)	9	Management of Maintenance Documentation on Delivery or Transfer of an Air System
RA 4814 (1)	5	Unsafe Condition Reporting (MRP 145.A.60(a))
RA 4814 (2)	5	Internal Occurrence reporting (MRP 145.A.60(b))
RA 4814 (3)	5	MOD Sponsored Reporting Action (MRP 145.A.60(c))
RA 4815 (1)	9	Organization Safety and Quality Policy (MRP 145.A.65(a))
RA 4815 (2)	9	Procedures for Good Maintenance Practices (MRP 145.A.65(b))
RA 4815 (3)	9	Quality Management System (MRP 145.A.65(c))
RA 4816 (1)	10	Content of a Maintenance Organization Exposition (MRP 145.A.70(a))
RA 4816 (2)	10	Amendment of a Maintenance Organization Exposition (MRP 145.A.70(b))
RA 4816 (3)	10	Minor Amendment of a Maintenance Organization Exposition (MRP 145.A.70(c))
RA 4816 (4)	10	Exemption to Content of a Maintenance Organization Exposition due to Civil Aviation Authority Part 145 Approval (MRP 145.A.70(d))
RA 4816 (5)	10	Distribution of Approved Maintenance Organization Exposition
RA 4817 (1)	5	Privileges of the Organization (MRP 145.A.75(a))
RA 4818 (1)	3	Limitations on the Organization (MRP 145.A.80(a))
RA 4819 (1)	3	Changes to the Organization (MRP 145.A.85(a))
RA 4820 (1)	6	Continued Validity of Approval (MRP 145.A.90(a))
RA 4820 (2)	6	Approval Surrender, Suspension or Revocation (MRP 145.A.90(b))
RA 4821 (1)	4	Findings (MRP 145.A.95(a))
RA 4947 (1)	5	Military Continuing Airworthiness Management Organization Responsibilities
RA 4951 (2)	5	Quality System - MRP Part M Subpart G - Functions of the Quality System
RA 4956 (1)	5	Military Continuing Airworthiness Management Organization Tasks Performed by Other Organizations - MRP Part M Subpart G
RA 5011 (1)	Initial	Type Airworthiness Safety Management System
RA 5103 (1)	7	Requirement and Scope for Certificate of Design



Reference	Issue	Detail
RA 5103 (2)	7	Management and Authorization of Certificates of Design
RA 5212 (1)	6	Aircraft Weight and Moment Determination
RA 5812 (4)	6	Measurement of Aircraft Weight and Moment
RA 5219 (1)	6	Instrumentation and Flight Data Recorder Requirements (for Flight Trials of Air Systems)
RA 5219 (2)	6	Identification of Instrumentation
RA 5301 (1)	6	Configuration Management Principles
RA 5301 (2)	6	Configuration Management Under Contractor Control
RA 5301 (3)	6	Configuration Management under Ministry Control
RA 5305 (1)	8	In-Service Design Changes – General
RA 5305 (2)	8	In-Service Design Changes – Safety
RA 5305 (3)	8	In-Service Design Changes – Modification Procedure
RA 5320 (1)	5	Air System Maintenance Schedule – Design and Validation
RA 5405 (1)	10	Special Instructions (Technical)
RA 5406 (1)	8	Aircrew Publications
RA 5406 (2)	8	Amendments to Aircrew Publications
RA 5726 (1)	7	Integrity Management
RA 5726 (3)	7	Sustaining Integrity Management
RA 5810 (2)	9	Demonstration of Capability (MRP Part 21.A.14)
RA 5810 (11)	9	Inspections and Tests (MRP Part 21.A.33)
RA 5810 (16)	9	Record Keeping (MRP Part 21.A.55)
RA 5815 (1)	4	Provision and Amendments to Instructions for Sustaining Type Airworthiness (ISTA)
RA 5820 (1)	8	Classification of Changes in Type Design (MRP Part 21.A.91)
RA 5820 (3)	8	Approval of Minor Changes (MRP Part 21.A.95)
RA 5820 (4)	8	Approval of Major Changes (MRP Part 21.A.97)
RA 5820 (6)	8	Record Keeping (MRP Part 21.A.105)
RA 5825 (1)	4	Fault Reporting and Investigation
RA 5835 (1)	6	Production Organizations (MRP Part 21 Subpart G)

Reference	Issue	Detail
RA 5850 (1)	9	Responsibilities of a Design Organization
RA 5850 (2)	9	Scheme Inclusion and Approval Award (MRP Part 21.A.239)
RA 5850 (3)	9	Design Management System (MRP Part 21.A.239)
RA 5850 (4)	9	Design Organization Exposition
RA 5850 (5)	9	Approval Requirements (MRP Part 21.A.245)
RA 5850 (6)	9	Changes in Design Management System (MRP Part 21.A.247)
RA 5850 (7)	9	Investigations and Inspections (MRP Part 21.A.257)
RA 5850 (8)	9	Failures, Malfunctions and Defects
RA 5850 (9)	9	Findings (MRP Part 21.A.258)
RA 5850 (10)	9	Validity of Approval (MRP Part 21.A.259)
RA 5850 (11)	9	Privileges (MRP Part 21.A.263)
RA 5850 (12)	9	Designs using Government Furnished Equipment
RA 5850 (13)	9	Record Keeping
RA 5855 (1)	6	Compliance with Applicable Requirements (MRP Part 21.A.303)
RA 5855 (2)	6	Release of Newly Produced Parts and Appliances for Installation (MRP Part 21.A.307)
RA 5865 (1)	5	(Repairs (MRP Part 21 Subpart M)): Scope (MRP Part 21.A.431A)
RA 5865 (2)	5	Demonstration of Capability (MRP Part 21.A.432B)
RA 5865 (3)	5	Classification of Repairs (MRP Part 21.A.435)
RA 5865 (4)	5	Repair Design (MRP Part 21.A.433)
RA 5865 (5)	5	Issue of a Repair Design Approval (MRP Part 21.A.435)
RA 5865 (6)	5	Production of Repair Parts (MRP Part 21.A.439)
RA 5865 (7)	5	Repair Embodiment (MRP Part 21.A.441)
RA 5865 (8)	5	Limitations (MRP Part 21.A.443)
RA 5865 (9)	5	Unrepaired Damage (MRP Part 21.A.445)
RA 5865 (10)	5	Record Keeping (MRP Part 21.A.447)
RA 5875 (1)	5	(European) Technical Standard Order (MRP Part 21 Subpart O)
RA 5885 (1)	4	Identification of Products (MRP Part 21.A.801)

Reference	Issue	Detail
RA 5885 (3)	4	Identification of Parts and Appliances (MRP Part 21.A.804)
RA 5885 (4)	4	Identification of Critical Parts (MRP Part 21.A.805)
RA 5890 (1)	2	Cyber Security for Airworthiness and Air Safety – Type Design and Changes / Repairs to Type Design

1.4 SECAN (Military Committee Communications Security and Evaluation Agency) Doctrine and Information Publications (SDIP):

Reference	Issue	Title
SDIP27	3.0	NATO TEMPEST and Electromagnetic Security Policy

1.5 Industry Security Notices (ISN):

Reference	Date	Title
2023/03	-	Control of patching and Updates
2023/09	21/07/23	Secure by Design Requirements
2024/09	19/08/24	Security Aspects Letters and Contractual Security Conditions
2024/10	05/12/24	Requirement for defence contractors to report all security incidents affecting defence related classified material to the UK MOD

1.7 Informative NATO Quality Assurance Standards

Reference	Edition	Version	Title
2070	B	4	NATO Mutual Government Quality Assurance
2105	A	1	SRD – Guidance on the use of AQAP 2105
2210	B	1	SRD – NATO Guidance on the use of AQAP-2210 NATO Supplementary Software Quality Assurance Requirements to AQAP 2310
2310	A	1	SRD - Guidance on the use of AQAP2310
2021	A	1	Avoidance of Counterfeit Material in the Defence Supply Chain