

**5000 SERIES - TYPE AIRWORTHINESS ENGINEERING (TAE) REGULATORY ARTICLES**

1. The RA 5000 series of RAs address the responsibility and authority for design and modification of Air Systems through either Service or contractor organizations. In the context of the RA 5000 Series the use of the term 'Product' is intended to reflect the type certificated elements of the military Air System, such as the aircraft, engine and/or propeller. Whereas the term 'Part' reflects those articles that are not type certificated but are approved and qualified by the relevant Design Organizations (DO); the term 'Appliance' reflects those articles that are otherwise certified.

2. The RA 5000 series defines the general requirements of the Delivery Teams and the DO in the design and certification of Air Systems (and related Products, Parts and Appliances). While the RA 5800 series forms the requirements to qualify for the issue or continuation of a Military Type Certificate (MTC) or military Design Organizational Approval, it does not negate the requirement to adhere to other applicable regulations within the RA 5000 Series. Of note; the RA 5800 series is based on the framework published in EMAR 21 – Certification of Military Aircraft and Related Products, Parts and Appliances, and Design and Production Organizations and its associated Acceptable Means of Compliance (AMC) and Guidance Material (GM). These RA are suffixed with 'MRP 21'.

3. The 5000 Series (TAE) RA are owned by D MAA. Tables 1 and 2 show the current and withdrawn Regulations respectively. The Rationale for withdrawal stated in these documents was correct at point of publish and it is incumbent on the user to check the references remain valid prior to use.

**Table 1: 5000 Series (TAE) Regulatory Articles**

RA NUMBER	RA DESCRIPTION	SUB RA
RA 5010	Type Airworthiness Strategy	5010(1): Type Airworthiness Strategy
RA 5011	Type Airworthiness Safety Management System	5011(1): Type Airworthiness Safety Management System
RA 5012	Type Airworthiness Safety Assessment	5012(1): Type Airworthiness Safety Assessment
RA 5013	Air Safety Management of Equipment and Commodity Items	5013(1): Air Safety Management of Equipment and Commodity Items
		5013(2): Air Safety Assessment of Equipment and Commodity Items
RA 5103	Certificate of Design	5103(1): Requirement and Scope for Certificate of Design
		5103(2): Management and Authorization of Certificates of Design
RA 5212	Weight and Moment Determination	5212(1): Aircraft Weight and Moment Determination
		5212(2): Propulsion System Weight and Moment Data
		5212(3): Propulsion System Production Weight and Moment
		5212(4): Measurement of Aircraft Weight and Moment
RA 5219	Instrumentation and Flight Data Recorder Requirements for Flight Trials of Air Systems	5219(1): Instrumentation and Flight Data Recorder Requirements
		5219(2): Identification of Instrumentation
RA 5301	Air System Configuration Management	5301(1): Configuration Management Principles
		5301(2): Configuration Management under Contractor Control
		5301(3): Configuration Management under Ministry Control
RA 5305	In-Service Design Changes	5305(1): In-Service Design Changes – General
		5305(2): In-Service Design Changes – Safety
		5305(3): In-Service Design Changes – Modification Procedure

RA NUMBER	RA DESCRIPTION	SUB RA
RA 5320	<b>Air System Maintenance Schedule – Design and Validation</b>	5320(1): Air System Maintenance Schedule – Design and Validation
RA 5405	<b>Special Instructions (Technical)</b>	5405(1): Special Instructions (Technical)
RA 5406	<b>Aircrew Publications</b>	5406(1): Aircrew Publications
		5406(2): Amendments to Aircrew Publications
RA 5407	<b>Support Policy Statement</b>	5407(1): Support Policy Statement
RA 5602	<b>Propulsion Systems Part Lifting, Critical and Common Pool Parts</b>	5602(1): Classification of Critical Parts
		5602(2): Determination of Critical Part Life
		5602(3): Control of Critical Parts
		5602(4): Quality Verification Tests and Acceptance and Test Criteria
		5602(5): Common Pool Parts
RA 5723	<b>Ageing Air System Audit</b>	5723(1): Ageing Air System Audit
RA 5724	<b>Life Extension Programme</b>	5724(1): Requirement for a Life Extension Programme
		5724(2): Development and Implementation of a Life Extension Programme
RA 5725	<b>Out of Service Date Extension Programme</b>	5725(1): Development and Implementation of an Out of Service Date Extension Programme
RA 5726	<b>Integrity Management</b>	5726(1): Integrity Management
		5726(2): Establishing Integrity Management
		5726(3): Sustaining Integrity Management
		5726(4): Validating Integrity
		5726(5): Recovering Integrity
		5726(6): Exploiting Integrity
RA 5805	<b>Airworthiness Directives and Service Bulletins (MRP Part 21 Subpart A)</b>	5805(1): Airworthiness Directives and Service Bulletins (MRP Part 21.A.3B)
RA 5810	<b>Military Type Certificate (MRP Part 21 Subpart B)</b>	5810(1): Certification of UK Military Registered Air Systems (MRP Part 21.A.11)
		5810(2): Demonstration of Capability (MRP Part 21.A.14)
		5810(3): Application (MRP Part 21.A.15)
		5810(4): Type Certification Basis (MRP Part 21.A.15)
		5810(5): Certification Programme (MRP Part 21.A.15)
		5810(6): Changes Requiring a New Military Type Certificate (MRP Part 21.A.19)
		5810(7): Compliance with the Type Certification Basis (MRP Part 21.A.20)
		5810(8): Issue of Military Type Certificate (MRP Part 21.A.21)
		5810(9): Issue of Restricted Military Type Certificate (MRP Part 21.A.21)
		5810(10): Type Design (MRP Part 21.A.31)
		5810(11): Inspections and Tests (MRP Part 21.A.33)
		5810(12): Flight Tests (MRP Part 21.A.35)
		5810(13): Responsibilities of the Holder (MRP Part 21.A.44)
		5810(14): Transferability (MRP Part 21.A.47)

RA NUMBER	RA DESCRIPTION	SUB RA
		5810(15): Duration and Continued Validity (MRP Part 21.A.51) 5810(16): Record Keeping (MRP Part 21.A.55) 5810(17): Manuals (MRP Part 21.A.57)
RA 5812	<b>Digital Models and Simulations Supporting Airworthiness-Related Decision-Making</b>	5812(1): Development and Assurance of Modelling and Simulation 5812(2): Use of Modelling and Simulation to Claim Credit for Certification Evidence
RA 5815	<b>Instructions for Sustaining Type Airworthiness</b>	5815(1): Provision and Amendments to Instructions for Sustaining Type Airworthiness
RA 5820	<b>Changes in Type Design (MRP Part 21 Subpart D)</b>	5820(1): Classification of Changes in Type Design (MRP Part 21.A.91) 5820(2): Application (MRP Part 21.A.93) 5820(3): Approval of Minor Changes (MRP Part 21.A.95) 5820(4): Approval of Major Changes (MRP Part 21.A.97) 5820(5): Designation of Applicable Certification Specifications for Airworthiness (MRP Part 21.A.101) 5820(6): Record Keeping (MRP Part 21.A.105)
RA 5825	<b>Fault Reporting and Investigation</b>	5825(1): Fault Reporting and Investigation
RA 5835	<b>Production Organizations (MRP Part 21 Subpart G)</b>	5835(1): Production Organizations
RA 5850	<b>Military Design Approved Organization (MRP Part 21 Subpart J)</b>	5850(1): Responsibilities of a Design Organization 5850(2): Scheme Inclusion and Approval Award 5850(3): Design Management System (MRP Part 21.A.239) 5850(4): Design Organization Exposition ►(MRP Part 21.A.243)◄ 5850(5): Approval Requirements (MRP Part 21.A.245) 5850(6): Changes in Design Management System (MRP Part 21.A.247) 5850(7): Investigations and Inspections (MRP Part 21.A.257) 5850(8): Failures, Malfunctions and Defects 5850(9): Findings (MRP Part 21.A.258) 5850(10): Validity of Approval (MRP Part 21.A.259) 5850(11): Privileges (MRP Part 21.A.263) 5850(12): Designs using Government Furnished Equipment 5850(13): Record Keeping
RA 5855	<b>Parts and Appliances (MRP Part 21 Subpart K)</b>	5855(1): Compliance with Applicable Requirements (MRP Part 21.A.303) 5855(2): Release of Newly Produced Parts and Appliances for Installation (MRP Part 21.A.307)
RA 5865	<b>Repairs (MRP Part 21 Subpart M)</b>	5865(1): Scope (MRP Part 21.A.431A) 5865(2): Demonstration of Capability (MRP Part 21.A.432B) 5865(3): Classification of Repairs (MRP Part 21.A.435) 5865(4): Repair Design (MRP Part 21.A.433) 5865(5): Issue of a Repair Design Approval (MRP Part 21.A.435)

RA NUMBER	RA DESCRIPTION	SUB RA
		5865(6): Production of Repair Parts (MRP Part 21.A.439)
		5865(7): Repair Embodiment (MRP Part 21.A.441)
		5865(8): Limitations (MRP Part 21.A.▶443◀)
		5865(9): Unrepaired Damage (MRP Part 21.A.445)
		5865(10): Record Keeping (MRP Part 21.A.447)
RA 5875	<b>(European) Technical Standard Order (MRP Part 21 Subpart O)</b>	5875(1): (European) Technical Standard Order
RA 5880	<b>Military Permit to Fly (Development) (MRP Part 21 Subpart P)</b>	5880(1): Military Permit to Fly (Development)
		5880(2): Military Permit to Fly (Development) Procedure (MRP Part 21.A.707)
		5880(3): Flight Conditions (MRP Part 21.A.708)
		5880(4): Approval of Flight Conditions (MRP Part 21.A.710)
		5880(5): Issue of a Military Permit to Fly (Development) (MRP Part 21.A.711)
		5880(6): Changes (MRP Part 21.A.713)
		5880(7): Transferability (MRP Part 21.A.719)
		5880(8): Inspections (MRP Part 21.A.721)
		5880(9): Validity of Approval (MRP Part 21.A.723)
		5880(10): Renewal of Military Permit to Fly (Development) (MRP Part 21.A.725)
		5880(11): Obligations of the Holder of a Military Permit to Fly (Development) (MRP Part 21.A.727)
		5880(12): Record Keeping (MRP Part 21.A.729)
RA 5885	<b>Identification of Products, Parts and Appliances (MRP 21 Subpart Q)</b>	5885(1): Identification of Products
		5885(2): Withdrawn – Not applicable to Type Airworthiness Management
		5885(3): Identification of Parts and Appliances
		5885(4): Identification of Critical Parts
		5885(5): Withdrawn content subsumed into RA 5885(4)
RA 5890	<b>Cyber Security for Airworthiness and Air Safety – Type Design and Changes / Repairs to Type Design</b>	5890(1): Cyber Security for Airworthiness and Air Safety – Type Design and Changes / Repairs to Type Design
-	<b>Manual of Air System Integrity Management</b>	

**Table 2: Withdrawn 5000 Series (TAE) Regulatory Articles (not included in the 5000 Series combined document)**

RA NUMBER	RA DESCRIPTION	SUB RA
RA 5001	Certification and Release of Material	5001(1): Withdrawn – content incorporated into RA 5103
		5001(2): Withdrawn – content duplicated in RA 5880
RA 5002	Remotely Piloted Air Systems Type Airworthiness Engineering Regulations	5002(1): Withdrawn – Incorporated into the RA 1600 series
		5002(2): Withdrawn – Incorporated into the RA 1600 series
		5002(3): Withdrawn – Incorporated into the RA 1600 series
		5002(4): Withdrawn – Incorporated into the RA 1600 series
		5002(5): Withdrawn – Incorporated into the RA 1600 series
		5002(6): Withdrawn – Incorporated into the RA 1600 series
		5002(7): Withdrawn – Incorporated into the RA 1600 series
		5002(8): Withdrawn – Incorporated into the RA 1600 series
		5002(9): Withdrawn – Incorporated into the RA 1600 series
		5002(10): Withdrawn – Incorporated into the RA 1600 series
		5002(11): Withdrawn – Incorporated into the RA 1600 series
RA 5101	Design Approved Organization Scheme (DAOS) Approval Procedures and Responsibilities	5101(1): Withdrawn – Incorporated into RA 5850
		5101(2): Withdrawn – Incorporated into RA 5850
		5101(3): Withdrawn – Incorporated into RA 5850
RA 5102	Design and Development Responsibilities	5102(1): Withdrawn – Incorporated into RA 5850
		5102(2): Withdrawn – Incorporated into RA 5850
		5102(3): Withdrawn – Incorporated into RA 5850
		5102(4): Withdrawn – Incorporated into RA 5850
		5102(5): Withdrawn – Incorporated into RA 5850
RA 5104	Material Specification	5104(1): Withdrawn - Def Stan 00-970 Part 1/15 Section 3 refers
RA 5105	Requalification and Production Testing	5105(1): Withdrawn – Incorporated into RA 5203
		5105(2): Withdrawn – Incorporated into RA 5203
RA 5106	Aircraft Contractors' Responsibilities	5106(1): Withdrawn – Not deemed regulatory material
		5106(2): Withdrawn – Not deemed regulatory material
		5106(3): Withdrawn – Not deemed regulatory material
		5106(4): Withdrawn – Not deemed regulatory material
RA 5107	Aircraft Repair Schemes	5107(1): Withdrawn – Incorporated into RA 5865
		5107(2): Withdrawn – Incorporated into RA 5865
		5107(3): Withdrawn – Incorporated into RA 5865
RA 5201	Interchangeability	5201(1): Withdrawn – Incorporated into RA 5885
RA 5202	Certification for Flight Trials	5202(1): Withdrawn – Incorporated into RA 5880
		5202(2): Withdrawn – Incorporated into RA 5880
RA 5203	Material Specifications	5203(1): Withdrawn – Not deemed regulatory material
		5203(2): Withdrawn – Not deemed regulatory material
		5203(3): Withdrawn – Not deemed regulatory material
RA 5204	Information for Installation of Aircraft or Remotely Piloted Air Systems Equipment	5204(1): Withdrawn – Not deemed regulatory material

RA NUMBER	RA DESCRIPTION	SUB RA
RA 5205	Reporting of Mass for Aircraft Equipment	5205(1): Withdrawn – Incorporated into RA 5212
RA 5206	Sampling Procedure for In-Service Materiel	5206(1): Withdrawn – Content duplicated in RA 5726
RA 5207	Identification under the NATO Codification System	5207(1): Withdrawn - Def Stan 00-970 Part 1/15 Section 3 refers
RA 5208	Testing of Experimental and Development Aircraft Equipment	5208(1): Withdrawn – Not deemed regulatory material
		5208(2): Withdrawn – Not deemed regulatory material
		5208(3): Withdrawn – Not deemed regulatory material
		5208(4): Withdrawn – Not deemed regulatory material
RA 5209	Relationship between Service Units, MOD and Contractors in the Development of Materiel	5209(1): Withdrawn – Not deemed regulatory material
RA 5211	Mock-Ups and Working Rigs	5211(1): Withdrawn – Not deemed regulatory material
		5211(2): Withdrawn – Not deemed regulatory material
RA 5213	Final Examinations and Conferences	5213(1): Withdrawn – Not deemed regulatory material
RA 5214	Schedule of Equipment – Appendix A to the Aircraft Specification	5214(1): Withdrawn – Not deemed regulatory material
RA 5215	Provision of Miscellaneous Data during Development	5215(1): Withdrawn – Not deemed regulatory material
		5215(2): Withdrawn – Not deemed regulatory material
		5215(3): Withdrawn – Not deemed regulatory material
		5215(4): Withdrawn – Not deemed regulatory material
		5215(5): Withdrawn – Not deemed regulatory material
		5215(6): Withdrawn – Not deemed regulatory material
		5215(7): Withdrawn – Not deemed regulatory material
		5215(8): Withdrawn – Not deemed regulatory material
		5215(9): Withdrawn – Not deemed regulatory material
RA 5216	Contractor Participation in MOD Flight Testing	5216(1): Withdrawn – Not deemed regulatory material
RA 5217	Testing of Pre-Production Aircraft	5217(1): Withdrawn – Not deemed regulatory material
		5217(2): Withdrawn – Not deemed regulatory material
		5217(3): Withdrawn – Not deemed regulatory material
RA 5218	Testing of Production Aircraft	5218(1): Withdrawn – Not deemed regulatory material
		5218(2): Withdrawn – Not deemed regulatory material
RA 5220	Special Flying Instructions and Restrictions on Flying	5220(1): Issue of Special Flying Instructions
RA 5221	Traceability of Aircraft Identifiable Parts	5221(1): Withdrawn – Incorporated into RA 5885
RA 5222	Development Trials of Weapon Materiel	5222(1): Withdrawn – Content duplicated in RA 5103 Annex C and Def Stan 07-085
RA 5223	Trials to Assess the Safety of Weapons Materiel	5223(1): Withdrawn – Content duplicated in RA 5103 Annex C and Def Stan 07-085
RA 5302	Design Records	5302(1): Withdrawn – Not deemed regulatory material
RA 5303	Local Technical Committee	5303(1): Withdrawn – content transferred to RA 5301
		5303(2): Withdrawn – content transferred to RA 5301
RA 5304	Configuration Control Board	5304(1): Withdrawn – content transferred to RA 5301

RA NUMBER	RA DESCRIPTION	SUB RA
RA 5306	Draft Modification Leaflets	5306(1): Withdrawn – No longer deemed appropriate
RA 5307	Identification and Recording of Design and Modification States of Materiel	5307(1): Withdrawn – Not deemed regulatory material
		5307(2): Withdrawn – Not deemed regulatory material
		5307(3): Withdrawn – Not deemed regulatory material
		5307(4): Withdrawn – Not deemed regulatory material
RA 5308	Service Modifications	5308(1): Withdrawn – No longer deemed appropriate
		5308(2): Withdrawn – No longer deemed appropriate
		5308(3): Withdrawn – No longer deemed appropriate
RA 5309	Fatigue Type Record for Aircraft	5309(1): Withdrawn – Refer to the Manual of Air System Integrity Management
RA 5310	Hazard Warning Marking of Guided Missiles and their Explosive Parts	5310(1): Withdrawn – Content duplicated in Def Stan 07-085 Chapter 10.7
RA 5311	Configuration Management - Project Team	5311(1): Withdrawn – Content transferred to RA 5301
RA 5312	In-Service Design Changes	5312(1): Withdrawn – content transferred to RA 5305
RA 5313	Design Modifications	5313(1): Withdrawn – content transferred to RA 5305
RA 5401	Provision of Technical Information	5401(1): Withdrawn – Pertinent Regulation transferred to RA 5815 - Instructions for Sustaining Type Airworthiness
		5401(2): Withdrawn – Pertinent Regulation transferred to RA 5815 - Instructions for Sustaining Type Airworthiness
		5401(3): Withdrawn – Pertinent Regulation transferred to RA 5815 - Instructions for Sustaining Type Airworthiness
		5401(4): Withdrawn – Pertinent Regulation transferred to RA 5815 - Instructions for Sustaining Type Airworthiness
RA 5402	Validation and Verification of Service Technical Publications	5402(1): Withdrawn – Incorporated into RA 5401(2)
		5402(2): Withdrawn – Incorporated into RA 5401(3)
RA 5403	Amendments to Service Technical Publications	5403(1): Withdrawn – Incorporated into RA 5401(4)
RA 5404	Fault Reporting and Investigation for Contractors	5404(1): Withdrawn – Pertinent content transferred to RA 5850 - Military Design Organization Approval and RA 5825 - Fault Reporting and Investigation
		5404(2): Withdrawn – Pertinent content transferred to RA 5850 - Military Design Organization Approval and RA 5825 - Fault Reporting and Investigation
		5404(3): Withdrawn – Pertinent content transferred to RA 5850 - Military Design Organization Approval and RA 5825 - Fault Reporting and Investigation
RA 5501	Issue of MOD Owned Equipment	5501(1): Withdrawn – Not deemed regulatory material
		5501(2): Withdrawn – Not deemed regulatory material
		5501(3): Withdrawn – Not deemed regulatory material
RA 5502	Air System Maintenance Documentation, Forms and Certificates	5502(1): Withdrawn – Refer to the Manual of Airworthiness Maintenance – Documentation
		5502(2): Withdrawn – Refer to the Manual of Airworthiness Maintenance – Documentation
RA 5503	Loans of Aircraft for Demonstration by Contractors	5503(1): Withdrawn – Incorporated into RA 1125
		5503(2): Withdrawn – Incorporated into RA 1125
		5503(3): Withdrawn – Incorporated into RA 1125
		5503(4): Withdrawn – Incorporated into RA 1125

RA NUMBER	RA DESCRIPTION	SUB RA
RA 5601	Propulsion System Design and Certification	5601(1): Withdrawn – No longer deemed appropriate
		5601(2): Withdrawn – No longer deemed appropriate
		5601(3): Withdrawn – No longer deemed appropriate
RA 5603	Design Change Approval and Validation of Modifications	5603(1): Withdrawn – Content duplicated in RA 5303, RA 5304 and RA 5615
RA 5604	Flight Clearance of Non-Production Standard Propulsion Systems	5604(1): Withdrawn – Not deemed regulatory material
RA 5605	Engine Specification	5605(1): Withdrawn – Content duplicated in RA 5203
RA 5607	Mass and Centre of Gravity Data of Aircraft Engines and Jet Pipes	5607(1): Withdrawn – Incorporated into RA 5601(2) and RA 5615(3)
RA 5608	Engine and Jet Pipe Mock-Ups and Installation Jigs	5608(1): Withdrawn – Not deemed regulatory material
RA 5610	Technical Documentation for Engines and Accessories	5610(1): Withdrawn – Content duplicated in Def Stan 00-600
RA 5612	Allotment and Movement of Engines	5612(1): Withdrawn – Not deemed regulatory material
RA 5613	Reporting Procedures for Movement and Serviceability of Engines and Modules	5613(1): Withdrawn – Not deemed regulatory material
RA 5614	Repair/Salvage Schemes for Engines and Associated Equipment	5614(1): Withdrawn – Not deemed regulatory material
RA 5615	Propulsion System Production Design Assurance	5615(1): Withdrawn – Content transferred to RA 5602
		5615(2): Withdrawn – Content transferred to RA 5602
		5615(3): Withdrawn – Content transferred to RA 5212
		5615(4): Withdrawn – Content transferred to RA 5602
RA 5616	Drawing Procedure, Control of Designs and Design Records	5616(1): Withdrawn – Content duplicated in RA 5301, RA 5810 and Def Stan 05-10 Part 1
RA 5617	Post Delivery Fault Reporting and Investigation	5617(1): Withdrawn – Content duplicated in RA 5404
RA 5720	Structural Integrity Management	5720(1): Withdrawn – Incorporated into RA 5726
		5720(2): Withdrawn – Incorporated into RA 5726
		5720(3): Withdrawn – Incorporated into RA 5726
		5720(4): Withdrawn – Incorporated into RA 5726
		5720(5): Withdrawn – Incorporated into RA 5726
		5720(6): Withdrawn – Incorporated into RA 5726
RA 5721	Systems Integrity Management	5721(1): Withdrawn – Incorporated into RA 5726
		5721(2): Withdrawn – Incorporated into RA 5726
		5721(3): Withdrawn – Incorporated into RA 5726
		5721(4): Withdrawn – Incorporated into RA 5726
		5721(5): Withdrawn – Incorporated into RA 5726
		5721(6): Withdrawn – Incorporated into RA 5726
RA 5722	Propulsion Integrity Management	5722(1): Withdrawn – Incorporated into RA 5726
		5722(2): Withdrawn – Incorporated into RA 5726
		5722(3): Withdrawn – Incorporated into RA 5726
		5722(4): Withdrawn – Incorporated into RA 5726
		5722(5): Withdrawn – Incorporated into RA 5726

RA NUMBER	RA DESCRIPTION	SUB RA
		5722(6): Withdrawn – Incorporated into RA 5726
RA 5800	<b>General Requirements – Delivery Teams and Organizations (MRP 21)</b>	5800(1): Withdrawn – Not deemed regulatory material and the guidance material transferred to the Table of Contents
		5800(2): Withdrawn – Not deemed regulatory material and the guidance material transferred to the Table of Contents
RA 5840	<b>Certificate of Airworthiness (MRP 21 Subpart H)</b>	5840(1): Withdrawn – Not deemed regulatory material

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