

Application for Military Air System Certification Process (MACP)

Introduction

1. Regulatory Article (RA) 5810¹ and RA 5820² require that the Type Airworthiness Authority (TAA) initiates MACP activity through the use of a MAA Form 30. The form below details the information required for the MAA's Certification Division to initiate an independent review of the proposed activity.

RA 5810 Procedure

2. Applications³ for a Military Type Certificate (MTC) shall be made by populating sections 1 - 4 and Annex A.

RA 5820 Procedure

3. Applications⁴ for a change in Type design shall be made by populating sections 1 – 4 and Annex B.

4. An MAA Form 30 may be used to notify the TAA of Minor changes⁵ which are made by either a DO (within their authorised privilege) or an authorised LoAA holder. There is no requirement for Minor changes to be sent to the MAA.

5. All MAA Form 30 applications (excluding Minor changes) shall be submitted to the Planning and Task Coordination (PTC) team for processing;

Email: DSA-MAA-CertPTCGroup@mod.gov.uk

Telephone: 03001536504

¹ Refer to RA 5810 – Military Type Certificate (MRP Part 21 Subpart B).

² Refer to RA 5820 – Changes in Type Design (MRP Part 21 Subpart D).

³ The TAA must be the Applicant for New Air Systems.

⁴ The TAA must be the Applicant for Major Changes and Mark Number Changes. A Letter of Airworthiness Authority (LoAA) holder or a Design Organization (DO) under privilege may be the Applicant for Minor Changes.

⁵ A minor change is one that has no appreciable effect on the mass, balance, structural strength, operational characteristics, or other characteristics affecting the Airworthiness of the Air System. Refer to RA 5820 Changes in Type Design (MRP 21 Sub Part D).

Application for Military Aircraft Certification Process (MACP) Initiation

Section 1: Points of Contact

1.1	Delivery Team (DT)		
1.2	Name	<u>Applicant</u> ⁶	<u>DT Certification Manager</u> ⁷
1.3	Telephone Number		
1.4	E-Mail Address		
1.5	Valid LoAA	<input type="checkbox"/>	<input type="checkbox"/>

Section 2: Air System Type Identification

2.1	Air System Type	<input type="checkbox"/> Fixed Wing Air System	<input type="checkbox"/> Rotary Air System	<input type="checkbox"/> RPAS ⁸
2.2	Description of Type, Mark or equivalent			
2.3	Existing Approvals & Certificates Numbers	Include Civil Type and Military Type Derivatives as required. 		
2.4	Air System Type manufacturer			

Section 3: Proposed Key Milestone Dates

3.1 Key MACP / Capability Milestone ⁹	Proposed Date of Submission to the MAA (The MAA will allocate resource to the dates provided below)
Technical Familiarisation Presentation to the MAA, Defence Equipment & Support Air-worthiness Team and Release To Service Authority ¹⁰ (To be delivered within 10 working days of MAA Form 30 submission)	
Type Certification Basis (TCB)	
Certification Programme	

⁶ When the change is Major, the TAA will be the Applicant and send to the MAA. When the change is Minor, and the TAA elects to use the MOD Form 30, a DO (with appropriate privilege) or LoAA holder may be the Applicant.

⁷ The MAA Certification Team will treat this person as the primary point of contact for MACP progression.

⁸ Remotely Piloted Air System.

⁹ The MAA will accept dates as quarters (eg Q3 2023) if the project is at an early stage. If the proposed dates are later amended, an updated Form 30 is not required.

¹⁰ The technical familiarization presentation should detail intended use and any specific certification challenges envisaged throughout the MACP Including; achieving timescales, approvals, Contractor Flying Approved Organization Scheme (CFAOS), waivers etc.

Type Certification Exposition (TCE)	
Release To Service Recommendation (RTSR)	
Initial Release To Service (RTS)	
3.2 Key Acquisition Milestone	Planned Date of DT Achievement
Strategic Outline Case	
Initial Gate / Outline Business Case	
Main Gate / Full Business Case	
Rationale for not providing a 'Proposed Date' for any of the dates in 3.1 and 3.2 above.	

Section 4: Applicant's Declaration

4.1 By signing this form, I confirm that the information contained herein is correct and complete.		
Date	Name	Signature

Annexes:

- A. Project Details for Military Type Certificate Application.
- B. Project Details for Change in Type Design Application.

Annex A: Project Details for Military Type Certificate Application

A1 Air System	This will be referenced throughout the MACP and on the Type Certificate following completion - ie Type-Mk#-Project designation as appropriate. []	
A2 Description ¹¹	[]	
A3 Reference to Airworthiness and Certification Strategies.	[]	
A4 Proposed Primary Certification Specification(s) for Airworthiness ¹² ,	[]	
A5 Coordinating Design Organisation (CDO) Name and DAOS Reference Number	[]	
A6 DO for the Air System, Name and DAOS Reference Number	[]	
A7 Design Safety Target (DST) ¹³	DST	[]
	Explanation	[]
A8 JSP 248: Assets Subject to Special Controls: Export Controlled Articles Subject to US Laws and Regulations	<input type="checkbox"/> JSP 248 Not Applicable. <input type="checkbox"/> Export Controlled Data will be referenced during the MACP. <input type="checkbox"/> Subject to International Traffic in Arms Regulations (ITAR). <input type="checkbox"/> Subject to Foreign Military Sales (FMS). <input type="checkbox"/> Subject to Export Administration Regulations (EAR). <input type="checkbox"/> Specific Nationality Restrictions. <input type="checkbox"/> MAA Non-crown servant Contractors are permitted to access project documentation.	
A9 Further Detail Relating to Declaration in A8	If there are specific security controls or measures in place for the project you are initiating, provide further details below. []	

¹¹ This **should** reflect the project description within the Type / Air System Airworthiness Strategy. Attach where possible schematics, system drawings, basic data, operational characteristics / limitations as required, high level features, technologies and airworthiness codes.

¹² Include Programmable Elements (PE) and Cyber Security for Airworthiness (CSA) standards and details of the Type Design aspects considered to be novel technology and for which existing Certification Specifications do not provide adequate standards.

¹³ Refer to RA 1230 – Design Safety Targets. Use the explanation field to provide rationale with reference to the Acceptable Means of Compliance (AMC) to RA 1230.



Annex B: Project Details for Change in Type Design Application

- **Major Change.** When the change is classified as Major, the TAA will be the Applicant and submit to the MAA.
- **Minor Change.** When the change is classified as Minor, and the TAA has elected to use the Form 30, a DO (with appropriate privilege) or LoAA holder may be the Applicant will submit to the TAA.

B1	Project Title	This will be referenced throughout the MACP and on the Type Certificate following completion - ie Type-Mk#-Project designation as appropriate.
B2	Classification ¹⁴	<input type="checkbox"/> Major Change <input type="checkbox"/> Mark Number Change <input type="checkbox"/> Minor Change
B3	Proposed Assurance	<input type="checkbox"/> MAA Assurance <input type="checkbox"/> TAA Assurance with MAA Oversight
B4	Major Change - Sub Classification in accordance with the Change Product Rule.	<input type="checkbox"/> Substantial <input type="checkbox"/> Significant <input type="checkbox"/> Not Significant
B5	Systems Affected by Change	<input type="checkbox"/> Structures <input type="checkbox"/> Propulsion <input type="checkbox"/> Mechanical <input type="checkbox"/> Avionics <input type="checkbox"/> Weapons Integration <input type="checkbox"/> Programmable Elements
B6	Justification of Classification and Proposed Assurance ¹⁵	Summarize the nature of the change to the Type Design and the basis for determining the classification, continue on a separate sheet if required
B7	Description ¹¹	
B8	Reference to Airworthiness and Certification Strategies.	
B9	Proposed Primary Certification Specification(s) for Airworthiness, including amendment number of the discrete parts. ¹²	
B10	CDO Name and DAOS Reference Number	
B11	DO for the Change, Name and DAOS Reference Number	
	DST	

¹⁴ Refer to RA 5820(1): Classification of Changes in Type Design (MRP Part 21.A.91). For the DO scope of privileges refer to RA 5850 – Military Design Approved Organization (MRP 21 Subpart J).

¹⁵ An explanation of which condition listed in RA 5820 has driven the classification to Major or Minor (if an approved DO is acting under privilege).



B12 Design Safety Target (DST) ¹³	Explanation	
B13 Type Airworthiness Safety Assessment Report (TASAR) ¹⁶	<input type="checkbox"/> I intend to produce a revised TASAR due to this Type Design Change <input type="checkbox"/> I seek endorsement to produce a TASAR Addendum. <input type="checkbox"/> N/A (Minor)	
B14 JSP 248: Assets Subject to Special Controls: Export Controlled Articles Subject to US Laws and Regulations	<input type="checkbox"/> JSP 248 Not Applicable. <input type="checkbox"/> Export Controlled Data will be referenced during the MACP. <input type="checkbox"/> Subject to ITAR. <input type="checkbox"/> Subject to FMS. <input type="checkbox"/> Subject to EAR. <input type="checkbox"/> Specific Nationality Restrictions. <input type="checkbox"/> MAA Non-crown servant Contractors are permitted to access project documentation.	
B15 Further Detail Relating to Declaration in B14	If there are specific security controls or measures in place for the project you are initiating, provide further details below. 	
B16 TAA Signature if the Change is Classified as Minor		
Date	Name	Signature

¹⁶ Refer to RA 5012 – Type Airworthiness Safety Assessment.