



Ministry of Defence
MOD Airworthiness Regulator

Air Systems
Elm 1b #4126
MoD Abbey Wood
Bristol BS34 8JH

Telephone: 030 679 35367
Facsimile: 0117 91 35910

(Military) 9679 35367
e-mail: DESSEAir-MAR-DepHd@mod.uk

Marshall of Cambridge Aerospace Limited
The Airport
Cambridge
CB5 8RX

Our reference: ALTG/07/03/11/153

Your reference:

Date: 6 November 2009

Design Approval Certification for Military Aircraft and Airborne Equipment

1. This certification recognises the organisation's capability for the design, development and certification of the following products and services under contract with the Ministry of Defence:

- 1.1. Modifications and special installations in fixed wing aircraft.**
- 1.2. Modifications and special installations in helicopters.**
- 1.3. Special test and support equipment for items 1.1. and 1.2.**
- 1.4. Flight testing.** Authorised flight testing is limited to:
 - (a) Quantitative assessment of aircraft performance and avionics and engineering systems on fixed wing aircraft.

2. CONDITIONS:-

2.1 Where the aircraft structure is affected, or where there is installation, integration or modification of equipment or systems in an aircraft, any limitations prescribed by the aircraft design organisation for structure, aerodynamics, weight, centre of gravity, and systems (including software) must be respected. Designs shall not transgress such limitations without the written technical agreement of the aircraft design organisation, and/or the MOD project Team Leader (TL) for the aircraft concerned.

2.2 The aircraft design organisation shall be consulted if the installation or modification affects primary structure, primary controls, primary instruments or displays, or the external shape of the aircraft, including stores.

2.3 Where consultation with the aircraft design organisation is considered inappropriate the case shall be fully documented, and the responsibility will rest with the recognised design signatories. The project TL for the aircraft concerned shall be informed in all such cases.

2.4 All changes to the aircraft build standard shall be forwarded to the aircraft design organisation for configuration management purposes.

3. Overall responsibility for the Design Organisation rests with:

Martin T Broadhurst – Managing Director

and for Flight Test Operations with:

Brian Phillipson – Director of Engineering

4. For the purpose of this approval, the senior design staff are:

Brian Phillipson – Director of Engineering

Robert E Ward – Executive Director of Engineering

Mark Johnston – Chief Designer

Mark Palmer – Head of Structures Design

Hugh H Haddow – Head of Avionics Design

Graham Redgrave – Chief Structural Engineer & Head of Airworthiness

5. Design Certificates, as required by Defence Standard 05-123, Part 1, Issue 2 and which are to be submitted to the project TL, will be certified by:

Brian Phillipson – Director of Engineering, on behalf of the Board of Marshall Aerospace, or by:

Robert E Ward – Executive Director of Engineering, or in his absence by

Martin T Broadhurst – Managing Director

and for design by:

Mark Johnston – Chief Designer, or in his absence by

Brian Phillipson – Director of Engineering, or by

Robert E Ward – Executive Director of Engineering, or by

Graham Redgrave – Chief Structural Engineer & Head of Airworthiness

and for structural clearance:

Graham Redgrave – Chief Structural Engineer & Head of Airworthiness

NOTE: The same signatory may not sign for both Board and Design on the same Certificate of Design.

6. Certificate for Flight Trials/MFTP will be certified by:

Graham Redgrave – Chief Structural Engineer & Head of Airworthiness, or by

Brian Phillipson – Director of Engineering, or by

Robert E Ward – Executive Director of Engineering, or by

Mark Johnston – Chief Designer

NOTE: The same signatory may not sign for both Certificates of Design and Certificates for Flight Trials/MFTP's

ALTG/07/03/11/153
Dated 6 November 2009

7. This certification is subject to the requirements of Defence Standard 05-123, 'Technical Procedures for the Procurement of Aircraft, Weapon and Electronic Systems'.



Signed on behalf of MAFTR
R T OUSBY
Wg Cdr
MOD Airworthiness Regulator



Ministry of Defence
MoD Airworthiness Regulator

Air Systems
Elm 1b #4126
MoD Abbey Wood
Bristol BS34 8JH

Telephone: 030 679 35367
Facsimile: 0117 91 35910

(Military) 9679 35367
e-mail: DESSEAir-MAR-DepHd@mod.uk



Marshall of Cambridge Aerospace Limited
The Airport
Cambridge
CB5 8RX

Our reference: ALTG/07/03/11/153

Your reference:

Date: 6 November 2009

For the attention of: **Martin T Broadhurst** – Managing Director

Dear Sir,

Design Approval Certification for Military Aircraft and Airborne Equipment

References:

- A. ALTG/07/03/11/153 dated 6 July 2009.
- B. Fax Les Weston/MAR3-DAOS1 dated 02 July 2009.
- C. E-mail B Phillipson/MAR3-DAOS1 dated 21 October 2009

1. Please find enclosed a new design approval certification for Marshall of Cambridge Aerospace Limited, which recognises the privileges bounded by Def Stan 05-123 and the associated contract. The certification supersedes and replaces the certificate and schedule issued at Reference A, and reflects the changes notified at References B & C.

2. There is a requirement to notify MAFTR and the project Team named in the contract of proposed change(s) of signatory or scope, and to obtain the agreement of MOD Airworthiness Regulator to any change.

3. If there are any changes to your staff, facilities, products, organisational structure or company name that will affect this certification, please inform MAFTR. Your attention is specifically drawn to the conditions contained in the certification, and to the requirements of Defence Standard 05-123, Part 1 Issue 2, Paragraph 6.3.3(b) - maintenance of a Quality System that complies with the requirements of BS/EN/ISO 9000:2000 or an acceptable equivalent, Paragraph 6.5.1 - changes which will affect the approval, in particular changes of design signatory, and Paragraph 6.5.2.

4. Please acknowledge receipt of this letter, and confirm that the old certificate has been destroyed.

Signed on behalf of MAFTR
R T OUSBY
Wg Cdr
MOD Airworthiness Regulator

Enclosure:

1. Design Approval Certification dated 6 November 2009

Distribution:

Information:

Director Air Support	Walnut 2 #1232, DE & S, ABW
ARC TL	Room X142, Bazalgette Pavilion, RAF Wyton. Huntingdon. PE28 2EA
Sentry TL	Room V012b, Palmer Pavilion, RAF Wyton. Huntingdon. PE28 2EA
Hercules TL	Room V012a, Palmer Pavilion, RAF Wyton. Huntingdon. PE28 2EA
MFTR	MoD Boscombe Down, Nr Amesbury. Salisbury. Wilts. SP4 0JF