



Australian Government
Department of Defence

DEFENCE AVIATION SAFETY AUTHORITY

AIRWORTHINESS RECOGNITION

The Authority hereby recognises the

LUFTFAHRTAMT DER BUNDESWEHR (LUFABW)

being the Military Airworthiness Authority (MAA) of the Federal Republic of Germany, as a competent airworthiness authority that applies appropriate safety oversight to

Design, Certification, Production and Maintenance

TERMS

1. This Recognition is limited by the scope, conditions and caveats set out in:
 - i. Annex A for repairs and 'minor' modifications
 - ii. Annex B for certification and 'major' design products
 - iii. Annex C for production services
 - iv. Annex D for maintenance services
 - v. Annex E for acceptance of components from maintenance or production.
2. This Recognition shall remain valid unless suspended or revoked.

For and on behalf of the Defence Aviation Safety Authority

Certificate number: 018
Revision number: 1.1, 19 DEC 18
Original issued: 30 AUG 2018

J.D. Hood
DG DASA



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CERTIFICATE REVISIONS

No. and Status	Date	Changes	Released by
1 CURRENT	30 AUG 18	Initial release	DG DASA
1.1 CURRENT	19 DEC 18	Significant changes: (1) Amendment to Recognition validity period. (2) Addition of provisions for treating 'major' repairs under Annex B: a. <u>Annex A</u> : Addition of paragraph 11. b. <u>Annex B</u> : Addition of paragraph 2(d) and 4(d). (3) <u>Annex B</u> : Reflect change to AMC DASR 21.A.20 in Sep 18 re. relief from 'developing' (vice <i>providing</i>) compliance demonstration evidence in Scope.	DG DASA

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ANNEX A: ASSESSING THE SUITABILITY OF LUFABW MAA APPROVALS OF REPAIRS AND 'MINOR' MODIFICATIONS

Introduction

1. The German MAA, the *Luftfahrtamt der Bundeswehr* (LufABw), is recognised by DASA as a competent airworthiness authority that applies appropriate safety oversight to the approval of repairs and 'minor' modifications. This annex sets out:
 - a. the scope of this Recognition;
 - b. conditions on this Recognition;
 - c. caveats defining the minimum activities that must be carried out prior to applying recognition provisions; and
 - d. notes for the information of organisations using this annex.
2. This annex applies to the treatment of LufABw approvals of repairs and 'minor' modifications by:
 - a. Continuing Airworthiness Management Organisations (CAMOs) approved by DASA; or
 - b. Commonwealth of Australia organisations operating a State aircraft.
3. Advice on fulfilling the requirements of this annex will be provided by DASA on request.

Scope

4. The following airworthiness instruments issued by, or under privilege from LufABw may be consumed directly under DASR M.A.304(d):
 - a. Approval of 'Minor' Change to Type Design;
 - b. Approval of 'Minor' Repair Design;
 - c. Approval of 'Major' Repair Design; and
 - d. recommendations for the instruments listed at a, b and c.

Conditions

5. This Recognition applies only to designs approved by:
 - a. LufABw; or

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- b. a LufABw DEMAR 21 Subpart J Design Organisation with the scope and privilege to do so.

Caveats

- 6. Prior to consuming an airworthiness instrument under paragraph 4 of this annex, the consumer must ensure that:
 - a. the resulting modification or repair is compatible with:
 - (1) the Defence type design; and
 - (2) the Defence configuration, role and environment; and
 - b. the holder obligations, to the extent that they concern Defence aircraft, will be carried out in accordance with:
 - (1) DASR 21.A.109 for an Approval of 'Minor' Change to Type Design; or
 - (2) DASR 21.A.451(b) for an Approval of 'Minor' Repair Design; and
 - c. if the airworthiness instrument uses a language other than English, the instrument is translated to English in a controlled way by an appropriately skilled person/organisation; and
 - d. for 'major' repairs, the data is treated in accordance with a procedure agreed by DASA.
- 7. The consumer must ensure that the measures taken to address the above caveats, including any checks or reviews necessary to ensure their effectiveness, are recorded.

Notes

- 8. The above caveats do not preclude any additional activities deemed necessary by the consumer to fulfil its responsibility to ensure safety.
- 9. The provisions of this annex apply to design products developed under both the A1-1525/0-89XX and DEMAR regulation suites applied by LufABw.
- 10. The legacy regulation environment, A1-1525/0-89XX, does not support privileges being awarded to design organisations. Products developed by these organisations are approved by LufABw.
- 11. For approved 'major' repairs that cannot be consumed under the provisions of this annex, the repair may be treated using the provisions of Annex B.

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ANNEX B: ASSESSING THE SUITABILITY OF LUFABW CERTIFICATION AND 'MAJOR' DESIGN PRODUCTS

Introduction

1. The German MAA, the *Luftfahrtamt der Bundeswehr* (LufABw), is recognised by DASA as a competent airworthiness authority that applies appropriate safety oversight to certification and the approval of 'major' design products. This annex sets out:
 - a. the scope of this Recognition;
 - b. conditions on this Recognition;
 - c. caveats defining the minimum activities that must be carried out prior to applying recognition provisions; and
 - d. notes for the information of organisations using this annex.
2. This annex applies to applicants for the following DASA airworthiness instruments:
 - a. Military Type Certificate;
 - b. Military Supplemental Type Certificate;
 - c. Approval of 'Major' Change to Type Design; and
 - d. Approval of 'Major' Repair Design, where Annex A provisions are not applicable.
3. Advice on fulfilling the requirements of this annex will be provided by DASA on request.

Scope

4. Applicants for the DASA airworthiness instruments listed at paragraph 2 may use the following airworthiness instruments issued by LufABw to claim relief from developing compliance demonstration evidence:
 - a. Type Certificate;
 - b. Supplemental Type Certificate;
 - c. Approval of 'Major' Change to Type Design;
 - d. Approval of 'Major' Repair Design; and
 - e. recommendations for the instruments listed at a, b, c and d.

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Conditions

5. Nil.

Caveats

6. In addition to the considerations detailed in AMC DASR 21.A.20 *Compliance with the type-certification basis and environmental protection requirements (where applicable)*, the applicant must ensure that:
 - a. evidence exists that LufABw applied a level of oversight to the design commensurate with the consequences of system failure; and
 - b. if the airworthiness instrument uses a language other than English, the instrument is translated to English in a controlled way by an appropriately skilled person/organisation.

Notes

7. The above caveats do not preclude any additional activities deemed necessary by the consumer to fulfil its responsibility to ensure safety.

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ANNEX C: ASSESSING THE SUITABILITY OF SERVICES PROVIDED UNDER A LUFABW PRODUCTION ORGANISATION APPROVAL

Introduction

1. The German MAA, the *Luftfahrtamt der Bundeswehr* (LufABw), is recognised by DASA as a competent airworthiness authority that applies appropriate safety oversight to production. This annex sets out:
 - a. the scope of this Recognition;
 - b. conditions on this Recognition;
 - c. caveats defining the minimum activities that must be carried out prior to applying recognition provisions; and
 - d. notes for the information of organisations using this annex.
2. This annex applies to:
 - a. applicants for a DASA Certificate of Airworthiness;
 - b. applicants for a DASA Military Permit to Fly (MPTF) prior to the award of a DASA Type Certificate; or
 - c. Defence Continuing Airworthiness Management Organisation (CAMOs) in the embodiment of a ‘major’ modification (e.g. replacement of a centre wing structure).
3. Refer to Annex E for information related to the production of components.
4. Advice on how to fulfil the requirements of this annex will be provided by DASA on request.

Scope

5. A LufABw Certificate of Airworthiness, or a Statement of Conformity (Form 52) issued under the privilege of a DEMAR 21 Subpart G production organisation, approval may be used as evidence by:
 - a. an applicant for a DASA Certificate of Airworthiness;
 - b. an applicant for a DASA MPTF prior to the award of a DASA Type Certificate; or
 - c. an organisation issuing a Military Airworthiness Review Certificate.

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Conditions

6. Nil.

Caveats

7. Prior to applying the provisions of paragraph 5, the organisation must ensure that:
- a. the service sought by Defence is within the scope and privilege of the production organisation;
 - b. the production organisation is contracted by Defence, either directly or indirectly, to provide the required service;
 - c. the safety oversight applied by LufABw to the service sought by Defence is at least equivalent to that which would be applied if the service were provided to a German military consumer;
 - d. any production waivers or deviations agreed by LufABw are known to Defence; and
 - e. if any relevant artefact uses a language other than English, the artefact is translated to English in a controlled way by an appropriately skilled person or organisation.
8. The consumer must ensure that the measures taken to address the above caveats, including any checks or reviews necessary to ensure their effectiveness throughout the provision of the service, are recorded.

Notes

9. The above caveats do not preclude any additional activities deemed necessary by the consumer to fulfil its responsibility to ensure safety.

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ANNEX D: ASSESSING THE SUITABILITY OF SERVICES PROVIDED UNDER A LUFABW MAINTENANCE ORGANISATION APPROVAL

Introduction

1. The German MAA, the *Luftfahrtamt der Bundeswehr* (LufABw), is recognised by DASA as a competent airworthiness authority that applies appropriate safety oversight to maintenance. This annex sets out:
 - a. the scope of this Recognition;
 - b. conditions on this Recognition;
 - c. caveats defining the minimum activities that must be carried out prior to applying recognition provisions; and
 - d. notes for the information of organisations using this annex.
2. This annex applies to:
 - a. Continuing Airworthiness Management Organisations (CAMOs) approved by DASA; or
 - b. Commonwealth of Australia organisations establishing a CAMO.
3. Refer to Annex E for information related to the maintenance of components.
4. Advice on how to fulfil the requirements of this annex will be provided by DASA on request.

Scope

5. A LufABw DEMAR 145 approved maintenance organisation may be tasked to:
 - a. carry out maintenance on Defence aircraft and components thereof; and
 - b. fulfil the aircraft Certificate of Release to Service requirements of the Defence Aviation Safety Regulation (DASR).

Conditions

6. Nil.

Caveats

7. Prior to consuming an aircraft maintenance service under paragraph 5, and in addition to the DASR requirements for contracting/tasking a maintenance organisation, the consumer must ensure that:

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- a. the service sought by Defence is within the scope of the maintenance organisation;
 - b. the organisation is contracted by Defence to provide the required service;
 - c. the safety oversight that will be applied by LufABw to the service sought by Defence is at least equivalent to that which would be applied if the service were provided to a German military consumer;
 - d. the maintenance will be provided with appropriate access to applicable maintenance data;
 - e. occurrences are reported to the CAMO in accordance with the intent of DASR 145.A.60 *Occurrence Reporting* clause (d);
 - f. new defects or incomplete maintenance work orders identified during maintenance are reported to the CAMO in accordance with the intent of DASR 145.A.50 *Certification of Maintenance* clause (c);
 - g. any arrangements for the subcontracting of maintenance on Defence aircraft are appropriate;
 - h. any component to be fitted is appropriately released on a DASA Form 1 or equivalent as determined by DASA (refer to Annex E);
 - i. if any artefact to be consumed used a language other than English, the artefact will be translated to English in a controlled way by an appropriately skilled person/organisation prior to aircraft release to service; and
 - j. any other activities necessary to ensure safety have been carried out.
8. The consumer must ensure that the measures taken to address the above caveats, including any checks or reviews necessary to ensure their ongoing effectiveness, are recorded.

Notes

9. The above caveats do not preclude any additional activities deemed necessary by the consumer to fulfil its responsibility to ensure safety.

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ANNEX E: ACCEPTANCE OF COMPONENTS UNDER A LUFABW AUTHORISED RELEASE CERTIFICATE

Introduction

1. The German MAA, the *Luftfahrtamt der Bundeswehr* (LufABw), is recognised by DASA as a competent airworthiness authority that applies appropriate safety oversight to the production and maintenance of components. This annex sets out:
 - a. the scope of this Recognition;
 - b. conditions on this Recognition;
 - c. caveats defining the minimum activities that must be carried out prior to applying recognition provisions; and
 - d. notes for the information of organisations using this annex.
2. Advice on how to fulfil the requirements of this annex will be provided by the DASA on request.

Scope

3. Subject to the conditions and caveats described below, the LufABw Authorised Release Certificate for components, the “DEMAR Form 1”, is a recognised equivalent to DASR Form 1.

Conditions

4. The DEMAR Form 1 must indicate the “LufABw”, “Luftfahrtamt der Bundeswehr”, “FOMABw” or “Federal Office of the Bundeswehr for Military Aviation” at block 1.
5. A DEMAR Form 1 releasing a component from maintenance must indicate that the maintenance was carried out in accordance with either:
 - a. EMAR 145.A.50 Release to Service, i.e. block 14a indicates only “EMAR-145.A.50 Release to Service”, for an EMAR Form 1; or
 - b. DEMAR 145, for a DEMAR Form 1.
6. A Form 1 releasing a component from production must indicate that the production was carried out in accordance with DEMAR 21, i.e. block 13a indicates only “Certifies that the items identified above were manufactured in conformity to: approved design data and are in a condition for safe operation”.

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Caveats

7. Prior to consuming a Form 1 under paragraph 3, the consumer must ensure that if the artefact uses a language other than English, the artefact is translated to English in a controlled way by an appropriately skilled person/organisation.

Notes

8. The above caveats do not preclude any additional activities deemed necessary by the consumer to fulfil its responsibility to ensure safety.
9. A Defence organisation establishing arrangements directly with a maintenance or production organisation should ensure the suitability of those arrangements. As a minimum, and where applicable, the arrangements should take into account the caveats listed at:
 - a. Annex C for production; or
 - b. Annex D for maintenance.