SUPPLEMENTAL TYPE CERTIFICATE
10063798

This Supplemental Type Certificate is issued by EASA, acting in accordance with Regulation (EC) No. 216/2008 on behalf of the European Community, its Member States and of the European third countries that participate in the activities of EASA under Article 66 of that Regulation and in accordance with Commission Regulation (EU) No. 748/2012 to

ELBE FLUGZEUGWERKE GmbH
GRENZSTRASSE 1
01109 DRESDEN
GERMANY

and certifies that the change in the type design for the product listed below with the limitations and conditions specified meets the applicable Type Certification Basis and environmental protection requirements when operated within the conditions and limitations specified below:

Original Type Certificate Number: EASA.A.004
Type Certificate Holder: AIRBUS S.A.S.
Type: A330
A330-341, A330-342, A330-343

Description of Design Change:
Airbus A330-300 Passenger to Freighter.

EASA Certification Basis:
As defined in the STCDS 10063798 included in the appendix of this approval.

The requirements for environmental protection and the associated certified noise and/ or emissions levels of the original product are unchanged and remain applicable to this certificate/ approval.

See Continuation Sheet(s)

For the European Aviation Safety Agency
Cologne, Germany, 22 November 2017

[Signature]
Ludovic Aron
**Associated Technical Documentation:**

- Instructions for Continued Airworthiness as defined in Maintenance Planning Document (MPD) Supplement, A330P2F/MPD-ENV Revision 01.
- Master Minimum Equipment List A330P2F/MMEL-ENV Revision 01.
- Flight Crew Data reference 398/TST/OSD-FCD Revision A.
- AMOCs associated documentation:

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or later revisions of the above listed documents approved by EASA.

**Limitations/Conditions:**

This modification must be installed together with the following related changes:

- EFW – Installation of Lavatory A in A330 Passenger to Freighter. Approval number 10063795.
- EFW – Installation of Electrical CLS in A330 Passenger to Freighter. Approval number 10063797.

- End -
EASA

SUPPLEMENTAL TYPE-CERTIFICATE DATA SHEET

STC Approval 10063798

For

AIRBUS A330-300 Passenger to Freighter Conversion

STC Holder:
Elbe Flugzeugwerke GmbH

Grenzstr. 1, 01109
Dresden, Germany

For Models: A330-300 Passenger-Freighter
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1 SECTION 1: A330-300P2F SERIES

1.1 I. General

1. Type/ Model/ Variant  A330-300 converted by EASA STC 10063798 referenced as A330-300P2F

2. Performance Class  A

3. Certifying Authority  EASA

4. Manufacturer  Elbe Flugzeugwerke GmbH (EFW)
   Grenzstr. 1, 01109
   Dresden, Germany

5. EASA Certification Application Date  13 March 2013

6. EASA STC Date  22 Nov 2017

1.2 II. Certification Basis

1. Reference Date for determining the applicable airworthiness requirements  13 March 2013

2. Reference Date for determining the applicable operational suitability requirements  6 October 2016

3. A330-300P2F STC Airworthiness Requirements

   - For significant changes, CS25 Amendment 12 is used.
   - For secondary changes (not elected to CS25 Amendment 12), not significant changes, unaffected areas and unchanged: A330 pax certification basis as per EASA TCDS EASA.A.004.
### Regulations at the latest Amendment level: CS25 Amdt 12

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### Regulations at the Amendment level in TCDS EASA.A.004 : JAR 25 Change 13

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### 3.1. Special Conditions
a. A330-300 Existing Special Conditions

SC A-2 Interaction of systems and structure
SC A-3 Design manoeuvre requirements
SC S-10.2 Effects of external radiation upon aircraft systems
SC S-23 Electrical wiring and miscellaneous electrical requirements
SC H-01 Enhanced Airworthiness Programme for aeroplane systems – ICA on EWIS

b. New Special Conditions for A330-300P2F

D-02 Courier Compartment
D-03 Fire Protection of Essential systems/ equipment with Class E cargo compartments
D-04 Access to Class E Cargo Compartment in Flight

3.2. Environmental Protection Requirements

As there is no change to the engine, performance, CG or design weights of the aircraft, the noise and emissions requirements are not affected by the change.

4. Operational Suitability Requirements

4.1 Master Minimum Equipment List
CS-MMEL Amendment 1

4.2 Flight Crew Data (FCD)
CS-FCD Initial Issue
1.3 III. Technical Characteristics and Operational Limitations

1. STC Design Definition

As defined in Document Master List 398/AED/011 Rev B or later approved revision and Master Drawing List 398/MDL/001 Rev N or later approved revision.

2. Description

The A330P2F modification converts the passenger airplane into a freighter with the following major features:

a. A courier compartment to accommodate up to a maximum of 6 occupants
b. Installation of a 9g barrier net and smoke curtain
c. Installation of Main Deck Cargo Door (MDCD)
d. Installation of MDCD Frame Shell
e. Conversion of the main cabin to a Class E cargo compartment (with in-flight access)
f. Reinforcement of Main Deck Cargo Compartment Floor Structures

3. Equipment

As defined in Document Master List 398/AED/011 Rev B or later approved revision and Master Drawing List 398/MDL/001 Rev N or later approved revision.

4. Dimensions

Remains the same as defined in TCDS EASA.A.004.

5. Engines

Remains the same as defined in TCDS EASA.A.004.

6. Auxiliary Power Unit

Remains the same as defined in TCDS EASA.A.004.

7. Propellers

Remains the same as defined in TCDS EASA.A.004.

8. Fluids (Fuel, Oil, Additives, Hydraulics)

Remains the same as defined in TCDS EASA.A.004.

9. Fluid Capacities

Remains the same as defined in TCDS EASA.A.004.

10. Airspeed Limits

Remains the same as defined in TCDS EASA.A.004.

11. Flight Envelope
Remains the same as defined in TCDS EASA.A.004.

12. Operating Limitations

12.1. Approved Operations


12.2. Other Limitations


13. Maximum Certified Masses

Remains the same as defined in TCDS EASA.A.004.

14. Centre of Gravity Range

Remains the same as defined in TCDS EASA.A.004.

15. Datum

Remains the same as defined in TCDS EASA.A.004.

16. Mean Aerodynamic Chord (MAC)

Remains the same as defined in TCDS EASA.A.004.

17. Levelling Means

Remains the same as defined in TCDS EASA.A.004.

18. Minimum Flight Crew

Two (2): Pilot and Co-pilot. Remains the same as defined in TCDS EASA.A.004.

19. Minimum Supernumeraries

No minimum supernumerary is required unless option of access to Class E Cargo Compartment is required.

If option of accessing Class E Cargo Compartment is required, the minimum supernumeraries on board shall be two (2).

20. Maximum Seating Capacity

Courier Area:
Up to 6 supernumeraries
Note: Persons authorised to occupy the courier area are as defined in A330P2F Airplane Flight Manual Supplement Envelope (A330P2F/AFM-ENV).

21. Baggage/ Cargo Compartment


22. Wheels and Tyres

Remains the same as defined in TCDS EASA.A.004.

23. ETOPS

Refer to A330P2F CMP Document Supplement Envelope (A330P2F/CMP-ENV)

1.4 IV. Operating and Service Instructions

1. Airplane Flight Manual (AFM)

Refer to Airplane Flight Manual Supplement, A330P2F/AFM-ENV Revision 01 or later approved revisions

2. Instructions for Continued Airworthiness and Airworthiness Limitations

Refer to Maintenance Planning Document (MPD) Supplement, A330P2F/MPD-ENV Revision 01 or later approved revisions

3. Weight and Balance Manual (WBM)

Refer to Weight and Balance Manual Supplement Envelope, A330P2F/WBM-ENV Revision 00 or later approved revisions
1.5 **V. Operating Suitability Data (OSD)**

The Operational Suitability Data elements listed below are approved by the European Aviation Safety Agency under the EASA Type Certificate [original TC number] as per Commission Regulation (EU) 748/2012 as amended by Commission Regulation (EU) No 69/2014.

1. Master Minimum Equipment List
   a. The MMEL reference A330P2F/MMEL-ENV Revision 01 or later approved revisions
   b. Required for entry into service by EU operator

2. Flight Crew Data
   a. The Flight Crew Data reference 398/TST/OSD-FCD Revision A or later approved revisions
   b. Required for entry into service by EU operator

3. Cabin Crew Data
   Not applicable

4. SIM Data
   Not applicable

5. Maintenance Certifying Staff Data
   Not applicable

6. Other
   (e.g. EFB, special operations and special equipment, ..)
   Not applicable
1.6 VI. Notes

1. Additional information is provided in EASA TCDS (EASA.A.004).

2. This modification must be installed concurrently with the following:
   a. Powered Cargo Loading System per EASA STC 10063797
   b. Courier Module per EASA STC 10063796
   c. Lavatory per EASA STC 10063795
   d. Cockpit Computer Modification
      - EIS1 V515 Standard, Mod 204448
      - FWC T7 Standard, Mod 205228
      - SDAC C11 Standard, Mod 203928
      - FDIU L10 Standard, Mod 204717
      - FDIMU L10 Standard, Mod 58688
      - FDIMU L11 Standard, Mod 201383
2 SECTION 2: ADMINISTRATIVE

2.1 I. Acronyms and Abbreviations

AFM  Airplane Flight Manual
CS   Certification Specification
EASA  European Aviation Safety Agency
EIS  Electronic Instrument System
ETOPS Extended Range Operations with Two-Engined Aeroplanes
EU  European Union
EWIS  Electrical Wiring Interconnection System
FCD  Flight Crew Data
FDIU  Flight Data Interface Unit
FDIMU  Flight Data Interface and Management Unit
FWC  Flight Warning Computer
ICA  Instructions for Continued Airworthiness
JAR  Joint Aviation Requirements
MMEL  Master Minimum Equipment List
OSD  Operational Suitability Data
P2F  Passenger-to-Freighter
SC  Special Condition
SDAC  System Data Acquisition Concentrator
SIM  Simulator
STC  Supplemental Type Certificate
TC  Type Certificate
TCDS  Type Certificate Data Sheet

II. Type Certificate Holder Record

Elbe Flugzeugwerke GmbH (EFW)
Grenzstr. 1, 01109
Dresden
Germany

2.2 III. Change Record

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