



# OPERATIONAL BULLETIN

**NUMBER:** OB 500-00-105  
**MODEL:** EA500  
**SUBJECT:** EUROPEAN OPERATIONAL REQUIREMENTS: PRIVATE AND COMMERCIAL.

## 1. PLANNING INFORMATION

### A. Effectivity

#### (1) Operators

European Operators

#### (2) Aircraft

ALL EA500 operating in Europe (S/N 001 and up)

### B. Reason

- Revision No. Original defines European, private and commercial, operational requirements.

### C. Description

- Private Operations: This document lists the Service Bulletins (equipment) and Operational Bulletins (documents), which must be accomplished prior to private operations according to the requirements of EASA Basic Regulations and National Aeronautical Information Publication (AIP). The EASA Basic Regulations is the Regulation (EC) No 216/2008 of the European Parliament and of the Council of 20 February 2008 on common rules in the field of civil aviation and establishing a European Aviation Safety Agency, and repealing Council Directive, 91/670/EEC, Regulation (EC) No 1592/2002 and Directive 2004/36/EC.
- Commercial Operations: This document lists the Service Bulletins (equipment) and Operational Bulletins (documents), which must be accomplished prior to commercial operations according to the requirements of EASA Part OPS1 and National Aeronautical Information Publication (AIP). The EASA Part OPS1, Commercial Air Transport (Aeroplanes), is based on the Commission Regulation No 859/2008 of 20 August 2008, amending Council Regulation (EEC) No 3922/91 as regards technical requirements and administrative procedures applicable to commercial transportation by aeroplane.
- Note that any aircraft registered in an ICAO country (e.g. USA), can fly under private operations using its original registration markings (e.g. N-XXXX); however depending on which equipment is installed some operational limitations can be imposed by National Air Traffic Control Authorities (See current requirements for IFR flights in the National AIP, section GEN 1.5).
- Note that any EA500 registered aircraft in an EASA Member State must follow the applicable TCDS where the installation of SB 500-04-001 must be performed to export the aircraft. Additionally if the airplane will be used for commercial operations requirement based on the EASA Part OPS1 must be satisfied.

### D. Relevant Publications

- EASA Type-Certificate Data Sheet, Eclipse Model 500, Revision 3, dated 21 May, 2010.
- EASA EA500 Operational Evaluation Board Report, Revision 2, dated 7 September, 2010.



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- Current and applicable National Aeronautical Information Publication (AIP).

## **E. Compliance**

- The incorporation of this Operational Bulletin is composed of required and optional equipment. The optional equipment is at operator's discretion to all European operators. However the National Civil Aviation Authority having jurisdiction, can request specific equipment as importing requirements.
- The incorporation of this Operational Bulletin is mandatory for the required equipment/manuals of all European operators.

## **F. Approval**

- An Operational Bulletin is a manufacturer document which is not approved by the Civil Aviation Authorities. The EAI Director of International Operations, or its designee, approves all the Operational Bulletins issued by Eclipse Aerospace Inc.

## **G. Labor Requirements**

### **(1) Estimated labor hours to perform:**

- Not Applicable

### **(2) Qualification of personnel, for instance:**

- Not Applicable

## **H. References**

- EASA Basic Regulations
- EASA Part OPS1
- National AIP

## **I. Publications Affected**

- See applicable Service and Operational Bulletins

## **J. Private Operational Requirements for both US and EASA registered aircraft.**

- SB 500-04-001 EASA TC configuration (only for EASA registered aircraft).
- SB 500-34-014: normally Distance Measurement Equipment (DME) is required by the National AIP in order to fly IFR.
- SB 500-34-013: normally Automatic Direction Finder (ADF) is required by National AIP in order to depart from or to approach to any airport where only NDB instrument approaches are available.
- SB 500-99-005: (part of EASA TC configuration) Basic RNAV equipment (Avio1.5) is required by all European National AIP in order to perform Area Navigation enroute above FL190. Note that in order to fly RVSM and B-RNAV an Operational Approval is required by the National Civil Aviation Authority having jurisdiction.
- SB 500-23-002: (part of EASA TC configuration) an upgrade to space radio channel 8.33 KHz equipment is required by National AIP in order to fly above FL190.

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- SB 500-34-016: (part of EASA TC configuration), an upgrade to the Transponder Mode S Diversity Antenna is required by National AIP in order to fly into the national airspace.
- OB 500-00-101: provides the EA500 Dispatch Deviations Guide, which will provide required information to submit a Minimum Equipment List (MEL) to the National Civil Aviation Authority having jurisdiction for approval. The MEL is required by the EASA Basic Regulations and described in the EASA OEB Report.
- OB 500-00-103: provides the EA500 Aeroplane Type Rating Course, which will provide required information to submit a Flight Training Syllabus to the National Civil Aviation Authority having jurisdiction for approval. The proper syllabus is required by the EASA Basic Regulations and described in the EASA OEB Report.

### **K. Commercial Operational Requirements ONLY for EASA registered aircraft.**

Everything applicable to Private Operations, plus

- SB 500-04-001: EASA EA500 configuration required by TCDS (all aircraft used for European commercial operations must be registered in Europe)
- SB 500-34-009: Weather Radar Installation (required by EASA Part OPS1)
- SB 500-35-002: Co-pilot Oxygen System Installation (required by EASA Part OPS1, optional for private operations)
- OB 500-00-102: provides the EA500 Compliance Checklist, subpart K and L, under EASA Part OPS1, which will provide all the required equipment for European commercial operations to submit the National Civil Aviation Authority having jurisdiction for approval. The proper compliance checklist is required by the EASA Part OPS1 and described in the EASA OEB Report.
- OB 500-00-104: provides the authorization to use the Aircraft Flight Manual (AFM) and Quick Reference Handbook (QRH) Supplements for European Commercial Operations, P/N 06-122953-EUOPS1. This is required by the EASA TCDS, section IV. Operation and Service Instructions, Airplane Flight Manual (AFM).

NOTE: Commercial Operators must obtain an Air Operator Certificate (AOC) applicable to their fleet by the National Civil Aviation Authority having jurisdiction. The AOC will show Operational Approvals (e.g. RVSM and BRNAV) and Operational Limitations (e.g. FL250 with four passengers).

### **L. Private and Commercial Operational Optional Installations**

- SB 500-34-010: Terrain Awareness Warning System (TAWS) Installation
- SB 500-34-011: Traffic Advisory System (Skywatch) Installation
- SB 500-34-008: Stormscope Installation
- SB 500-25-006: Sun Visor Installation
- SB 500-23-003: In Seat Power Supply
- SB 500-25-005: Refreshment Cabinet Installation
- SB 500-25-004: Seat Armrest Installation



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## 2. MATERIAL INFORMATION

### A. Materials

The following part is required for this Operational Bulletin. Pricing and availability information is available by contacting EAI Customer Care at the following email address:  
[customerfirstteam@eclipseaerospace.com](mailto:customerfirstteam@eclipseaerospace.com).

Part Number	Description	Qty Required
	Applicable Service and Operational Bulletins	



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## 3. HISTORY OF PREVIOUS REVISIONS

2010-09-16 Revision No Original

### A. Limitations and Procedures

This OB will be revised when:

-A new EASA revision will be released

Or

-When a new operator will be added

Or

-When an operator will add more airplanes described by Manufacturer Serial Number (MSN)

### B. Cost of related document

The cost of this Operational Bulletin will be customized to the operators depending on:

- Type of Operations (Private or Commercial)
- Type of regulations (EASA or other National Regulations)
- Number of Airplanes
- Service Engineering required
- Special Customized procedure

Pricing and availability information is available by contacting EAI Customer Care.



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AEROSPACE

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### 4. RECORD OF COMPLIANCE

Upon completion of this Operational Bulletin, make an appropriate quality record (if applicable) entry specifying the Operational Bulletin number (including MSN). Eclipse Aerospace Incorporated recommends that revisions associated with this Operational Bulletin also be filed for personal/company future reference.

### 5. NOTIFYING ECLIPSE AEROSPACE

On completing this Operational bulletin, the operator/maintainer shall complete the attached *Compliance Record* and send it to Eclipse Aerospace preferably via e-mail.

*Mailing Address:* Eclipse Aerospace Incorporated  
ATTN: Customer Care  
2503 Clark Carr Loop SE  
Albuquerque, NM 87106

*Fax:* 1-505-241-8802

*E-mail:* [customerfirstteam@eclipseaerospace.net](mailto:customerfirstteam@eclipseaerospace.net)



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