

1. **INTRODUCTION**

1.1. **GENERAL**

- (1) This manual presents data and instruction for assuring of a safe operation. It contains basic technical data, technical description of the aircraft, maintenance during a flight day, instructions for maintenance of the aircraft till the 100-hour inspection. Further there are mentioned the instructions for winter operation, lubrication chart and a list of recommended operation substances.
- (2) This manual does not contain procedures of disassembly, installation, repairs as well as inspection procedures after 600 flight hours and general overhaul procedures after 1200 flight hours if the airframe is maintained according to the "general overhaul maintenance system". For this information see REPAIR MANUAL.
This manual also does not contain information on the performance of "A", "B", "C" - type inspections when the aircraft airframe is maintained according to the "maintenance system without general overhauls". For information on "A", "B", "C" - type inspection of the airframe and its systems see the "Z 142 MANUAL FOR OPERATION WITHOUT AIRFRAME GENERAL OVERHAULS, Section 1 and 2".
- (3) Maintenance and check of instruments and aggregates are described in manual „INSTRUMENTS AND AGGREGATES USED ON AIRCRAFT Z 42 M, Z 42 MU, Z 142 and Z 43". Further contains intervals for prescribed works of instruments and aggregates and their service life time.
- (4) Instructions and recommendations mentioned in this manual were tested in operation and it is in the user's interest to know a respect them.
- (5) Documentation for operation and maintenance:
 - Flight Manual of the Z 142
 - Technical Manual of the Z 142
 - Repair Manual of the Z 142
 - Manual for Z 142 aircraft operation without General repair, Vol. I, II
 - Instruments and aggregates on the Z 42M, Z 42MU, Z 142, Z 43 aircrafts using
 - Technical description and maintenance manual for M 337A, AK, M 332A, AK, M 137A, AZ, M 132A, AK engines as amended
 - Technical operation manual for V 500 A propeller as amended
 - Catalogue of spare parts of Z 142
 - Table of dimensions, limits and clearances
 - Maintenance and operation manual on condition of the nose landing gear type 793-HPK-185-19, 793-HPK-185-19-7.

1.2. **CHANGES**

1.2.1. All changes or supplements of this manual are performed as follows:

- 1) The aircraft manufacturer will send the mandatory bulletin with changes or new corrected pages of the Technical Manual to the holder of the Technical Manual.
- 2) The holder of the Technical Manual is under an obligation
 - a) of recording the obtained change into the LIST OF CHANGES - item 1.2.2,
 - b) of carrying out the change in accordance with the bulletin or of replacing the original pages by new corrected ones marked with date of issue and with abbreviation "REV".

NOTE

The changed or supplement parts of the text will be marked with vertical line on the sheet side.

1.2.2 List of changes

Change ordinal number	No. of bulletin prescribing the change	Pages affected	Date of issue of new pages	Date of change incorporation and signature
1	Z 142/29	11	Rev. 7.1991	
2	Z 142/33	5, 103, 105, 107A, 107B, 107C, 107D, 108, 110	Rev. 20.10.1991	
3	Z 142/34a, 35a	4, 5, 7, 109, 110, 110A, 110B, 110C, 110D, 110E, 110F	Rev. 17.11.1995	
4	Z 142/36a	4, 5, 6, 7, 58, 65, 98, 103A, 103B, 103C, 106A, 106B, 106C, 107, 108, 109, 110A, 110B, 110C, 110D, 110E, 115, 116, 117, 118	Rev. 12.11.1996	
5	Z 142/42a	8, 103A	Rev. 31.10.2000	
6	Z 142/43a	8, 103A, 103B	Rev. 23.11.2000	
7	Z 142/44a	8, 103A	Rev. 24.11.2000	
8	Z 142/46a	8, 103A	Rev. 13.4.2001	
9	Z 142/47a	7, 8, 73, 93, 96, 101, 104, 106B, 106C, 108, 109, 115, 116, 117	Rev. 10.5.2001	
10	Z 142/48a	8, 103A	Rev. 25.1.2002	
11	Z 142/43a-Rev.1	8, 103A	Rev. 20.5.2003	
12	Z 142/50a	8, 103A, 103B	Rev. 23.5.2003	
13	Z 142/49a	8, 103A, 103B	Rev.13, 25.7.2003	
14	Z 142/51a	7, 8, 88, 89, 103B, 104, 106A, 106B, 106C, 107A, 108, 109	Rev. 14, 20.11.2003	
15	Z 142/51a-Rev. 1	8, 103B, 104	Rev. 15, 14.1.2005	
16	Z 142/54a, Z 142/55a	8, 78, 103A, 103B, 103C, 105, 107	Rev. 16, 8.3.2007	
17	Z 142/61a	7, 8, 110A, delete pages: 110B, 110C, 110D, 110E	Rev. 17, 20.9.2011	

NOTE

To be filled up by the holder of the Technical Manual in accordance with item 1.2.1. - Changes.

5) MAINTENANCE OF INSTRUMENTS AND UNITS

- 1) The intervals and ranges of prescribed works during operation are mentioned in manual „INSTRUMENTS AND AGGREGATES USED ON AIRCRAFT Z 42M, Z 42MU, Z 142 and Z 43“ in latest issue.
- 2) The technical service life time of instruments and aggregates is mentioned in manual „„INSTRUMENTS AND AGGREGATES USED ON AIRCRAFT Z 42M, Z 42MU, Z 142 and Z 43“ in latest issue.