

CIVIL AVIATION AUTHORITY PAKISTAN

Air Navigation Order

No. : 91-0005

Date : 27th June, 2002

Issue : Three

FERRY FLIGHTS OF THREE / FOUR-ENGINE AIRCRAFT WITH ONE ENGINE INOPERATIVE

CONTENTS

SECTIONS:

1. Authority
2. Scope
3. Applicability
4. Effective Date
5. Cancellation
6. Definition
7. Notification/ Information of Ferry Flight
8. Aircraft Permitted to undertake one Engine out Ferry Flights.
9. Flight Restrictions
10. Training
11. Recent Experience

Appendix "A" Notification & Approval Form

CIVIL AVIATION AUTHORITY PAKISTAN

AIR NAVIGATION ORDER

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FERRY FLIGHTS OF THREE / FOUR-ENGINE AIRCRAFT WITH ONE ENGINE INOPERATIVE

1. Authority

- 1.1 This Air Navigation Order is issued by the Director General Civil Aviation Authority in pursuance of the powers vested in him under Rule 4 of Civil Aviation Rules 1994.

2. Scope

- 2.1 This ANO prescribes the conditions under which ferry flights of three/ four-engine aircraft with one engine inoperative, and the crew competence pertaining to Ferry Flights, may be conducted.

3. Applicability

- 3.1 This ANO is applicable to all the AOC holders and the instructions on the subject contained herein shall be complied with, by all the AOC holders.

4. Effective Date

- 4.1 This ANO shall come into effect from the date of issue.

5. Cancellation

- 5.1 This ANO cancels ANO 91- 0005 Issue 2.

6. Definition

- 6.1 Ferry flight means a flight conducted by an aircraft for the sole purpose of moving that aircraft from one aerodrome to another aerodrome or from a place other than an aerodrome at which a forced landing has been made, to an aerodrome.

7. Notification/ Information Of Ferry Flight

- 7.1 Prior to the commencement of ferry flight, the Operator shall file the information on the Performa attached hereto as Appendix A, with Flight Standards Directorate for the approval and conduct of that flight.

8. Aircraft Permitted to undertake One Engine Out Ferry Flights.

8.1 Ferry flights of three / four engine aircraft with one engine inoperative shall not be undertaken unless approved procedures as per type Aircraft Flight Manual and/or Maintenance & Operations Manual, have been complied.

9. Flight Restrictions

9.1 Ferry flights of three / four-engine aircraft with one engine inoperative shall be subject to the following restrictions:

9.1.1 All the provisions to ferry the aircraft, with required serviceable engines, have been exhausted;

9.1.2 The aircraft shall be airworthy in every respect with the exception of the faulty engine and/or its accessories;

9.1.3 Baroscopic Check shall be conducted on the remaining Two/Three Engines;

9.1.4 All limitation in the Approved Operating Manuals and Certificate of Airworthiness shall be complied with unless restricted by ferry authorisation;

9.1.5 No passenger or cargo shall be carried;

9.1.6 Minimum flight crew with appropriate qualification as given below, shall be carried;

- a) Captain: Trained in the procedures and technique of an engine out ferry and Designated Check Pilot A / Simulator Instructor / Flight instructor on the type.
- b) Co-pilot: Designated Check Pilot-B with minimum 500 Hours on the type.
- c) Flight Engineer (if applicable): Trained in the procedures and technique of an engine out ferry and Designated Check Flight Engineer-A / Simulator Instructor / Training Flight Engineer on the type.

Note: A list of crew trained for such ferry flights shall be made available by all the Operators to the Flight Standards Directorate. This list of authorised crew shall be updated whenever there is any change in the authorised crew.

9.2 Take-Off shall be conducted in day light and from a dry surface only.

9.3 Cloud ceiling for Take off, approach and landing minima shall not be less than 1000 feet, visibility not less than 5 KM with cross wind component less than 10 knots and absence of icing/thunderstorm activity in the terminal area.

10. Training

10.1 The training of Pilots & Flight Engineers in the handling of aircraft for such ferry flights shall be conducted in accordance with the requirements of the aircraft type Flight Manual/Operations Manual as approved by CAA.

11. Recent Experience

11.1 The Pilot-in-Command and other flight crew scheduled to operate ferry flight, shall have been trained and shall have demonstrated competence to handle the aircraft in all manoeuvres associated with a flight of this type, within the preceding ninety days on simulator/aircraft.



(ALIUDDIN)

Air Marshal
Director General
Civil Aviation Authority

Date: June, 2002

APPENDIX “A”
ANO : 91- 0005
Issue: 3

Notification for Approval of
“ONE ENGINE INOPERATIVE FERRY FLIGHT”
Of Three/Four Engine Aircraft

1. Airline/ Operator_____ 2. Aircraft Type_____
3. Registration No _____ 4. Location _____
5. Destination Airport_____ 6. Distance _____
7. Approx. Flt. Time_____ 8. Date _____
9. E.T.D_____ 10. Locked Rotor, Engine No.____
11. Nature of Engine Fault _____

12. Boroscope Inspection of Eng.No. 1,2, 3,4(as applicable) _____

13. Flg. Hrs. on each engine (as applicable)

Eng.No 1

Eng.No 2

Eng.No 3

Eng.No 4

14. Flight Crew

Particulars of Flight Crew	Captain	Co-pilot	Flt. Engineer (if applicable)
Name			
Licence No			
Expiry Date			
Hrs. on Type			
Last ferry training c/out			
Last actual ferry flown			
Supervisory assignment			

15. Director Flight Operations or Designated Representative of the Operator

Signature _____

Name _____

Date _____

Designation _____

16. Chief Flight Standards or Designated Representative of DG CAA

Approved/Not Approved

Signature _____

Name _____

Date _____

Designation _____