

GOVERNMENT OF INDIA  
CIVIL AVIATION DEPARTMENT



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भारत सरकार  
नागर विमानन विभाग  
महानिदेशक नागर विमानन का कार्यालय  
सफदरजंग एयरपोर्ट के सामने  
नई दिल्ली - ११० ००३

## OPERATIONS CIRCULAR 4 OF 2007

**Subject: Endorsement/ PIC Training Syllabus on Jet Aircraft  
approved for LVL 'D' ZFTT**

### 1. Introduction

The rapid growth of air traffic in India has led to the induction of a large number of aircraft, mostly commercial jet aircraft. To meet the growing demand, pilot training is being conducted in different approved TRTOs world wide, where the manufacture's syllabus combined with local requirements are followed.

With a view to standardize and also rationalize the Transition Training syllabus for all operators and facilitate the type endorsement on Indian licenses this circular lays down the minimum requirements for training for endorsement on Jet Aircraft.

### 2. Ground Training

The approved ground training syllabus of the Manufacturer will be followed. The training and testing will be carried out at or by approved training organizations only.

### **3. Simulator Training**

- Manufacturer's laid down simulator profile training which should include circuit landings in various sessions and one LOFT session
- Skill Test combined with Day CA 40 A/ B\* followed by IR/ LR Test combined with Night CA 40 A/ B\* (minimum 2 hours per pilot per session) on LVL 'D' ZFTT fully serviceable simulator. (applicable ADL accepted).
- Low Visibility Operations and All Weather Operations training – ground class followed by two sessions of at least 1:30 hours each per pilot per session to include CAT II/ CAT III as well as Wet Runway and Monsoon Operations.

\*Captain - 6 take off and landings by day and 6 by night

\* FO – 3 take off and landings by day and 3 by night

### **4. Low Visibility Operations & All Weather Operations**

The purpose of this syllabus is to train all pilots to operate under all weather conditions which should include LVO. It is generally accepted that pilots with some experience should only be approved for LVO. Introducing this training during the early phase of learning will improve the Instrument Flying skills and confidence levels of the pilots. After building up the required experience they will be cleared for LVO on the aircraft during the normal line operations on completion of laid down LVO line training.

Wet Runway operations, Heavy Rain, Cross Wind, Take Off and Approaches affected by Windshear and microburst phenomena should be included in All Weather Operations to cover aspects of Monsoon Operations Circular and ALAR Tool Kit.

Pilots license and training record shall be submitted to DTL for relevant pilot license endorsement as P2 on successful completion of the above training.

### **5. Familiarization Training - Aircraft**

Familiarization training of a minimum duration of 45 minutes will be conducted on the type of aircraft for which endorsement is obtained.

Pilots with previous Jet experience who meet the minimum requirements as given below, when transiting to another Jet type are not required to do Familiarization training on the aircraft.

- Captains with 500 hours PIC on commercial Jet aircraft
- FO with 500 hours on commercial Jet aircraft

## **6. Line Training after Endorsement**

A FO, after Familiarisation Training on Aircraft shall be subjected to a route check on First Flight, then undergo a minimum of 10 sectors LOFT/LOE of which 5 shall be by night, before being cleared for First Officer Final Release Check.

For Line Training for Captains converting from one aircraft type to Captain on another type, the First Flight shall be a route check and minimum 100 hours experience shall be acquired from LHS (since trained for PIC in LHS in simulator). This shall be done under supervision of Check Pilot/ Instructor/ Examiner as LOFT/ UOE, on successful completion of which, pilot shall be subjected to 10 mandatory PIC Route Checks. Pilots' Licenses and relevant training records shall be submitted to DTL for PIC endorsement. First Flight after PIC endorsement shall be PIC Release Route Check / Conditional Route Check.

The above guidelines shall be followed while submitting Training syllabus of PIC/ Co-Pilot Endorsement Training of your pilots for approval by this office.

This Circular supersedes all previous circulars on the subject.

**( Capt. H. Y. Samant )**

**Chief Flight Operations Inspector**