



## ATP (A) Integrated Course Structure

### A. The Flying Instruction is divided into Five Phases:

#### Phase 1

1. Exercises up to the first solo flight comprise a total of at least 10 hours dual flight instruction on a single-engine Airplane including:
  - (a) Pre-flight operations, mass and balance determination, Airplane inspection and servicing;
  - (b) Aerodrome and traffic pattern operations, collision avoidance and precautions;
  - (c) Control of the Airplane by external visual references;
  - (d) Normal take-offs and landings;
  - (e) Flight at critically slow airspeeds, recognition of and recovery from incipient and full stalls, spin avoidance; and
  - (f) Unusual attitudes and simulated engine failure.

#### Phase 2

2. Exercises up to the first solo cross-country flight comprise a total of at least 10 hours of dual flight instruction and at least 10 hours solo flight including:
  - (a) Maximum performance (short field and obstacle clearance) take-offs, short-field landings;
  - (b) Flight by reference solely to instruments, including the completion of a 180° turn;
  - (c) Dual cross-country flying using external visual references, dead-reckoning and radio navigation aids, diversion procedures;
  - (d) Aerodrome and traffic pattern operations at different aerodromes;
  - (e) Crosswind take-offs and landings;
  - (f) Abnormal and emergency procedures and manoeuvres, including simulated Airplane equipment malfunctions;
  - (g) Operations to, from and transiting controlled aerodromes, compliance with air traffic services procedures, radio telephony procedures and phraseology; and
  - (h) Knowledge of meteorological briefing arrangements, evaluation of weather conditions for flight and use of Aeronautical Information Services (AIS).



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### **Phase 3**

3. Exercises up to the VFR navigation progress test comprise a total of at least 5 hours of dual instruction and at least 40 hours as pilot-in-command.
4. The dual instruction and testing up to the VFR navigation progress test shall comprise:
  - (a) Repetition of exercises of Phases 1 and 2.
  - (b) VFR flight at relatively critical high airspeeds, recognition of and recovery from spiral dives;
  - (c) VFR navigation progress test conducted by a flight instructor not connected with the applicant's training;

### **Phase 4**

5. Exercises up to the instrument rating skill test comprise:
  - (a) At least 55 hours instrument flight, which may contain up to 25 hours of instrument ground time in a FNPT I or up to 40 hours in an FNPT II or flight simulator which shall be conducted by a flight instructor and/or an authorized synthetic flight instructor; and
  - (b) 50 hours instrument time flown as SPIC;
  - (c) Night flight including take-offs and landings as pilot-in-command;
  - (d) Pre-flight procedures for IFR flights, including the use of the flight manual and appropriate air traffic services documents in the preparation of an IFR flight plan;
  - (e) Procedures and maneuvers for IFR operation under normal, abnormal and emergency conditions covering at least;
    - (1) Transition from visual to instrument flight on take-off.
    - (2) Standard instrument departures and arrivals.
    - (3) En route IFR procedures.
    - (4) Holding procedures.
    - (5) Instrument approaches to specified minima
    - (6) Missed approach Procedures.
    - (7) Landings from instrument approaches, including circling;



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- (f) In-flight maneuvers and specific flight characteristics; and
- (g) Operation of a multi-engine Airplane in the exercises of 5(e), including operation of the Airplane solely by reference to instruments with one engine simulated inoperative, and engine shutdown and restart. (The latter training shall be at a safe altitude unless carried out in a synthetic training device).

## **Phase 5**

- 6. Instruction and testing in multi-crew co-operation (MCC) comprise the relevant training requirements set out in Appendix 1 to JCAR-FCL 1.261(d) and AMC JCAR-FCL 1.261(d).
- 7. If a type rating for multi-pilot Airplanes is not required on completion of this part, the applicant will be provided with a certificate of course completion for MCC training as set out in Appendix 1 to AMC JCAR-FCL 1.261(d).

## **B. JCAR FCL Training Requirements**

### **1. Theoretical Knowledge.**

- (a) At least (750) Hrs of instruction
- (b) Complete in MCC at least (25) Hrs of theoretical knowledge instruction and exercises

### **2. Flight experience.**

- (a) At least 195 Hrs flight time that includes at least:
  - (1) 95 Hrs dual instruction flight
  - (2) 70 Hrs as pilot in command including VFR flight and instrument flight time as student pilot-in-command
- (b) Of which, at least:
  - (1) 50 Hrs cross country flight as pilot in command including VFR cross-country flight
  - (2) 5 Hrs night flying of which, 3 Hrs dual flight, 2 Hrs solo, 5 solo take off, and 5 full stop landing



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- (3) 115 Hrs of instrument time comprising at least:
  - 50 Hrs instrument instruction time:
    - **First option.** 25 Hrs on airplane, and 25 Hrs on FNPT I, or
    - **Second option.** 10 Hrs on airplane, and 40 Hrs on FNPT II or flight simulator
  - 20 Hrs a SPIC
  - 15 Hrs multi-crew co-operations. Airplane /FS /FNPT II
- (4) 5 Hrs to be carried out in an airplane certificated for the carriage of at least four persons and have a variable pitch propeller and retractable landing gear

**Note: Maximum 55 Hrs may be instrument ground time**

- (c) VFR navigation progress test
- (d) JCAR-ATPL (A) Theoretical knowledge examination
- (e) Instrument rating on Multi Engine
- (f) CPL (A) Skill Test Single Engine / Multi Engine