



**REPUBLIC OF LEBANON
CIVIL AVIATION AUTHORITY**

LARs

LEBANESE AVIATION REGULATIONS

Part IV
PERSONNEL LICENSING

Subpart 5
FLIGHT TRAINING

Republic of Lebanon 

RECORD OF AMENDMENTS

NUMBER	DATE	DATE ENTERED	ENTERED BY
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TABLE OF CONTENTS

Subpart 5 - Flight Training	1
405.01 Interpretation.....	1
405.02 Application.....	1
405.03 Flight Training Program.....	1
405.04 Flight Training Program Approval	1
405.05 Provision of a Flight Training Program Outline to a Trainee	1
405.06 Flight Training Program Requirements	1
405.07 Qualifications of Flight Instructors	2
405.09 Training Aircraft Requirements	2
405.10 Flight Training Aerodrome	2
405.11 Training Flight Briefings	2
405.12 Authorization of Training Flight.....	2
405.13 Pilot Training Record.....	3
s405 - Personnel Licensing Standards Respecting Flight Training	5
s405.05 Flight Training Program Outline	5
s405.09 Training Aircraft Requirements	5
s405.13 Pilot Training Record Requirements.....	6
Appendix A – Sample Pilot Training Record	7

PART IV

PERSONNEL LICENSING

Subpart 5 - Flight Training

405.01 Interpretation

Any reference in this Subpart to the personnel licensing standards is a reference to the Personnel Licensing Standards Respecting Flight Training.

405.02 Application

This Subpart applies in respect of the conduct of flight training by a flight training service, using an aeroplane, helicopter, glider, free balloon or ultra-light aeroplane.

405.03 Flight Training Program

No person shall conduct flight training unless the flight training program is in accordance with the requirements of Subpart 1 in respect of:

- a) the initial issuance of a licence or rating; or
- b) the renewal of a rating.

405.04 Flight Training Program Approval

Where a syllabus for a flight training program is not set out in this Part, the Authority shall approve a proposed syllabus for a flight training program if the syllabus meets the requirements for the particular licence or rating.

405.05 Provision of a Flight Training Program Outline to a Trainee

A person who conducts flight training using an aeroplane or helicopter shall provide to each trainee, at the time of commencing a flight training program referred to in Section 405.03, a copy of the approved flight training program outline.

405.06 Flight Training Program Requirements

Flight training that is conducted using an aeroplane or helicopter shall be conducted in accordance with:

- a) the training course requirements specified in this Part,
- b) the applicable flight instructor guide and flight training manual, or equivalent document, and
- c) the applicable training manual on human factors.

405.07 Qualifications of Flight Instructors

1. No person shall conduct flight training unless the person who conducts flight instruction for:
 - a) an aeroplane or helicopter licence or rating is the holder of a Flight Instructor rating and meets the qualifications specified in Sub-part 401 or Part VII.
 - b) a glider , free balloon or ultra-light - aeroplane pilot licence or rating, meets the standards specified in Sub-part 401.

2. No person shall conduct flight training in an aircraft unless the person is qualified to act as pilot in command of that class or type, of aircraft and is familiar with the flight characteristics, operating limitations and operational performance data specified in the aircraft flight manual or equivalent approved document.

405.09 Training Aircraft Requirements

No person shall operate a training aircraft unless the aircraft meets the personnel licensing standards.

405.10 Flight Training Aerodrome

No person shall operate a training aircraft at an aerodrome unless the aerodrome is suitable for the aircraft:

- a) to be safely operated within the operating limitations and operational performance data specified in the aircraft flight manual or equivalent document:
 - i) allowing for the actual aircraft weight and existing air temperature and wind conditions,
 - ii) with the power plant operation and landing gear and flap operation, if applicable, recommended by the manufacturer, and
 - iii) with smooth transition from take-off to the best rate-of-climb speed; and
- b) in the case of a helicopter, to carry out normal transitions from the hover to forward flight and from forward flight to the hover.

405.11 Training Flight Briefings

No person shall commence a training flight unless the trainee has received from the flight instructor:

- a) a pre-flight briefing; and
- b) where new flight exercises are to be conducted during the flight, preparatory ground instruction.

405.12 Authorization of Training Flight

Before the commencement of a training flight, the flight instructor who will supervise the training shall:

- a) authorize the training flight; and
- b) receive an acknowledgment of that authorization from the trainee.

405.13 Pilot Training Record

1. A person who conducts flight training for the issuance of a private pilot licence, a commercial pilot licence or a flight instructor rating - aeroplane or helicopter shall, for each trainee, maintain a pilot training record that meets the personnel licensing standards.
2. On request from a trainee receiving training for the purposes referred to in subsection 1, the person responsible for maintaining the trainee's pilot training record shall:
 - a) certify the accuracy of the entries; and
 - b) provide the trainee with the record.
3. When a trainee has completed or ceased flight training, the pilot training record shall be retained on file for at least five years from the start of training.

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s405 - Personnel Licensing Standards Respecting Flight Training

s405.05 Flight Training Program Outline

The flight training program outline provided to each trainee at the time of commencing a flight training program shall include the following:

- a) the name of the program in which the trainee is enrolled;
- b) information in respect of the minimum age, medical fitness, knowledge, experience and skill for which the training is being conducted;
- c) a copy of the current applicable course outline, a study and reference guide and skill test standard;
- d) the minimum weather conditions required for dual and solo training flights during day, night, VFR and IFR operations including:
 - i) minimum ceiling and visibility for local and cross-country training flights;
 - ii) maximum cross-wind for conducting a take-off and landing;
- e) the fuel reserves necessary for dual and solo, local and cross-country training flights;
- f) the description and use of assigned practice areas;
- g) the location of any restricted areas;
- h) the reporting of aircraft defects and unserviceabilities;
- i) the securing of aircraft when not in use;
- j) the procedures in the event of an unscheduled or forced landing; and
- k) any other safety measures pertaining to the geographic area of operation that the person who conducts the flight training deems necessary for aviation safety.

s405.09 Training Aircraft Requirements

1. An aircraft that is used for flight training shall:
 - a) meet the aircraft equipment requirements of Subpart 605, in respect of the conditions and rules under which it is to be operated: day or night, VFR or IFR.
 - b) in the case of an aeroplane, be equipped with a turn and slip indicator or a turn coordinator; and
 - c) in the case of a helicopter, be equipped with a turn and slip indicator, turn coordinator or a slip-skid indicator.
2. An aircraft that is used for dual flight training, shall:
 - a) be at least a two place aircraft;
 - b) have engine power controls and flight controls that are easily reached and that operate in a normal manner from both pilot stations, unless in the case of an ultra-light aeroplane, the trainee has received sufficient ground training and is considered competent to operate the available appropriate controls; and
 - c) in the case of a helicopter, be equipped with an intercom system.
3. An aeroplane or helicopter that is used for instrument flight training toward the Private Pilot Licence or Commercial Pilot Licence, shall be equipped with flight instruments that enable the trainee to complete the applicable manoeuvres specified in the instrument flying exercise of the Private and Commercial Pilot Licences flight tests in the Flight Test Examiner Guide .

4. An aeroplane or helicopter that is used for radio navigation training toward the Private or Commercial Pilot Licence, or Flight Instructor rating, shall be equipped with an ADF, VOR or GPS radio navigation aid receiver.
5. An aeroplane, helicopter or gyroplane that is used for instrument flight training toward the night rating, shall be equipped with flight instruments in accordance with Subpart 605, Section 605.16 - Power-driven Aircraft - Night VFR.
6. An aeroplane or helicopter that is used for instrument flight training toward the instrument rating, shall be equipped with flight instruments in accordance with in Subpart 605, Section 605.18 - Power-driven Aircraft - IFR.
7. Gliders and free balloons used to conduct training for a glider or free balloon pilot licence or rating shall be two place and have flight controls that may be easily reached and operated in a normal manner, from both pilot positions.

s405.13 Pilot Training Record Requirements

Pilot training records shall contain at least the following information:

- a) Student Name and Address
- b) First Solo Flight Prerequisites;
- c) Record of Ground School;
- d) Record of Stage Exam Results;
- e) Record of Flight Training Exercises;
- f) Record of Flight Time;
- g) Instructors Comments and Observations; and
- h) Recommendation For Flight Test.

Appendix A – Sample Pilot Training Record

This Appendix contains a sample Pilot Training Record that meets the requirements of this Sub-part.

Appendix A - Sample Pilot Training Record

FLIGHT TRAINING ORGANIZATION

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STUDENT

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GIVEN NAMES FAMILY NAME

ADDRESS

WORK	
HOME	

TELEPHONE NUMBERS

RECOMMENDATION FOR FLIGHT TEST

RECOMMENDING INSTRUCTOR LICENCE # DATE

SUPERVISING INSTRUCTOR LICENCE # DATE

If instructor is under supervision

FIRST SOLO PREREQUISITES

PRE SOLO EXAM	MARK	DATE
STUDENT PILOT LICENCE	NUMBER	DATE ISSUED

EXERCISES REQUIRED PRIOR TO FIRST SOLO

EXERCISE	INSTRUCTOR'S INITIALS	LICENCE #	DATE
STALL			
SPIN			
SPIRAL			
ENGINE FAILURE IN CIRCUIT			
OVERSHOOT			
CROSSWIND			
RUNWAY CHANGE			
COMMUNICATIONS FAILURE			
EMERGENCY PROCEDURES			

FIRST SOLO FLIGHT AUTHORIZATION

I, _____ hereby certify that _____
Instructor Student

has reached a satisfactory standard of experience and skill to complete solo flight under supervision.

AUTHORIZING INSTRUCTOR	LICENCE #	DATE
SUPERVISING INSTRUCTOR If instructor is under supervision	LICENCE #	DATE

(signature)

Appendix A - Sample Pilot Training Record

RECORD OF GROUND SCHOOL

Year _____ Month Day		Subject	Time	Year _____ Month Day		Subject Total bought forward	Time
Total to carry forward				Total			

Stage Exam Results

Date	Subject	Score	Date	Subject	Score

I hereby certify that the above information is correct.			
CHIEF FLIGHT INSTRUCTOR			
NAME	LICENCE #	SIGNATURE	DATE

INSTRUCTOR REMARKS AND STUDENT OBSERVATIONS

Appendix A - Sample Pilot Training Record

Air Exercises

1 Familiarization	11 Slow Flight	21 Precautionary Landing
2 Preparation for Flight	12 Stall	22 Forced Landing
3 Ancillary Controls	13 Spin	23 Pilot Navigation
4 Taxiing	14 Spiral	24 Instrument Flying
5 Attitudes and Movements	15 Sideslip	25 Night Flying
6 Straight and Level Flight	16 Take-off	26 Floatplane
7 Climbing	17 Circuit	27 Skiplane
8 Descending	18 Approach and Landing	28 Type Conversion
9 Turns	19 First Solo	29 Emergency Procedures
10 Range and Endurance	20 Illusions Created by Drift	30 Radio Communications

Record as conducted Preparatory P Dual D Solo S

Exercise

1	FAMILIARIZATION												
2	PREPARATION FOR FLIGHT												
3	ANCILLARY CONTROLS												
4	TAXIING												
5	ATTITUDES AND MOVENENTS												
6	STRAIGHT & LEVEL FLIGHT												
7	CLIMBING												
8	DESCENDING												
9	URNS												
10	RANGE & ENDURANCE												
11	SLOW FLIGHT												
12	STALL												
13	SPIN												
14	SPIRAL												
15	SIDESLIP												
16	TAKE-OFF - NORMAL												
	SHORT FIELD												
	SOFT/ ROUGH												
	OBSTACLE												
	CROSSWIND												
17	CIRCUIT												
18	APPROACH & LANDING - NORMAL												
	SHORT FIELD												
	SOFT/ROUGH												
	OBSTACLE												
	CROSSWIND												
19	FIRST SOLO												
20	DRIFT ILLUSIONS												
21	PRECAUTIONARY LANDINGS												
22	FORCED LANDINGS												
23	NAVIGATION - DEPARTURE PROCEDURES												
	ENROUTE PROCEDURES												
	DIVERSIONS												
24	INSTRUMENTS -FULL PANEL												
	LIMITED PANEL												
	UNUSUAL ATTITUDES												
	RADIO AIDS												
29	EMERGENCY PROCEDURES												
30	RADIO COMMUNICATIONS												

CERTIFIED THAT THE ENTRIES ON PAGES 3 AND 4 ARE CORRECT

CHIEF FLIGHT INSTRUCTOR		
LICENCE #	SIGNATURE	DATE

STUDENT	
SIGNATURE	DATE

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