

Rainbow Air School - Circus
Student Training Progress Evaluation Report

The National Pilot's Licence

To obtain your National Pilot's Licence you need to do a minimum of 35 hours of flight training. 20 hours must be done with an instructor and 15 hours must be solo (flying alone). Included in these hours you must complete 5 hours of solo cross-country flight time. You must be at least 17 years of age to qualify for a National Pilot's Licence. You must also be medically fit and able to pass a medical examination through an approved South African Aviation Medical Examiner. The medical examination includes chest x-rays, ECG, vision and hearing tests – and yes, you can fly with spectacles.

There are no minimum requirements for becoming a trainee, but you need to be literate in English and able to understand basic mathematics. The three basic requirements for becoming a good pilot are common sense, a desire to learn to fly and a willingness to stay within the boundaries of both flight regulations and personal piloting ability.

You will be required to write and pass examinations on Air Law, Meteorology, Navigation, Flight Planning, Principles of Flight, Human Performance and basic Technical and engine performance of the aircraft used for training. You will also be required to write and pass an examination on Radiotelephony to gain a Restricted Radiotelephony Operators Licence. Ground courses are available on the required subjects. Finally you will have to pass a practical general flight test as well as a practical navigation exercise conducted by a Grade A or Grade B flight instructor.

Once you have a valid National Pilot's Licence, you will be able to fly, within the limits of any rating held, as pilot-in-command of any aircraft endorsed on your licence and carry passengers, but not for hire or reward.

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Sequence of Instruction Exercises

Exercise 1	Familiarisation with the aircraft
Exercise 1E	Emergency drills (with respect to ground emergencies)
Exercise 2	Preparation for and action after flight
Exercise 3	Air experience
Exercise 4	Effect of controls
Exercise 5	Taxiing
Exercise 5E	Emergencies (with respect to braking and steering)
Exercise 6	Straight and level
Exercise 7	Climbing
Exercise 8	Descending
Exercise 9	Turning
Exercise 10A	Slow flight
Exercise 10B	Stalling
Exercise 11	Spin avoidance
Exercise 12	Take-off and climb to downwind position
Exercise 13	Circuit, approach and landing
Exercise 12/13E	Emergencies (with respect to take-offs, landings, go-arounds & engine failure)
Exercise 14	First solo
Exercise 15	Advanced turning
Exercise 16	Forced landing without power
Exercise 17	Precautionary landing
Exercise 18A	Navigation
Exercise 18B	Navigation problems at lower levels and in reduced visibility
Exercise 18C	Radio navigation
Exercise 19	Basic instrument flight

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Pre-Solo Checklist

***Note:** All the items on this checklist must be evaluated and signed off by the instructor. When the instructor deems the student to be ready for solo, this form must be submitted to the Chief Flying Instructor for his approval. Once the signature of approval has been obtained, the student may then be checked out for solo flight by a grade I or grade II instructor.*

Before submitting this form to the CFI, complete all the items below by checking the items completed and signing against each item, together with the date on which the item was completed. Finally, this form should then be inserted in the student's training file.

Item	Description	Date	Instructor	Signature
1	Aircraft Technical exam passed.			
1a	Marks obtained:			
2	Pre-Solo exam passed.			
2a	Marks obtained:			
3	Student Pilot Licence issued			
3a	Licence Number:			
4	Spinning exercise completed and endorsed in logbook.			
5	FLWOP demonstrated (exercise 16).			
6	Total number of hours of training completed (Minimum six hours):			
7	Circuits and Landings Training Requirements complied with.			
8	Other (Specify):			

Note 1: The pass mark for Items 1 & 2 is 80%.

Signature of CFI: _____

Date: _____

Signature of instructor: _____

Date: _____

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Circuits and Landings Training Requirements.

Note: The instructor must certify that, prior to the student going solo, he has successfully completed sections 1 to 13 of this list. Sections 14 to 17 should be completed after going solo.

Section	Description	Date	Instructor's Signature	Student's Signature
1	Full stop landing without use of brakes.			
2	Glide approach & landing 1000' base.			
3	Forced landing in circuit.			
4	Directional control emergencies on the ground.			
5	Engine Failure After Take-off			
6	Stuck/jammed throttle from downwind, on finals and on runway.			
7	Cross wind landings 10-15 Kts.			
8	Emergencies – Fire.			
9	Action in the event of radio failure			
10	Completion of workbook Quiz 1 & 2.			
11	Going-around Procedure.			
12	Diversion to A/P close by. (FAVV)			
13	Orbit on downwind and on finals.			
AFTER SOLO: Section 14 to 17:				
14	Short field take-off with & w/o flaps.			
15	Short field landings full flaps.			
16	Landing at critical airfields. (e.g. FAKR)			
17	Circuits at controlled airfield. (FAGM)			