

Atlantic Society of Radio Control Modellers

Flight Training Program - Fixed Wing

STUDENT GUIDE

Introduction The Atlantic Society of Radio Control Modellers, or simply ASRCM, is a group of model enthusiasts with a specific interest in radio control aircraft, which includes both fixed wing and helicopters. ASRCM is a charter club of the Model Aeronautics Association of Canada, or MAAC, and as such, all members of ASRCM **must** be a current member of MAAC or equivalent.

Pilot versa Student A **pilot** is a member who has successfully passed an examination and has been certified as a **PILOT** with a minimum of Level A, and as such, can fly unassisted.

A **student** is a member who has **not been certified as a pilot**, and is considered a **STUDENT**, and **must** have an Instructor with them whenever preparing or engaged in flying. A **student** will **never** under any circumstances fly by themselves!

Flying for Fun Flying is fun but first there are rules to be learned and skills developed. There are two sets of rules, the first are the MAAC rules, and the second are ASRCM rules.

The MAAC Safety Code and Guidelines can be downloaded from **www.maac.ca** while the ASRCM General Rules and Regulations can be downloaded from **www.asrcm.ns.ca** If you do not have access to a computer and the internet, the club will provide these two sets of rules.

Your First Airplane Your first airplane should be a trainer. A trainer is usually a high wing airplane which has been designed to be stable and easy to control in flight. It is suggested that your trainer have four channels of control: ailerons, elevator, rudder, and throttle.

There are three channel trainers available which only include elevator, rudder, and throttle. Eventually when you make a transition to a more advance model, you will have to re-learn how to fly using both the ailerons and rudder.

Your First Radio System Your first radio can be a Mode 2 four channel system and must include provisions for a flight training system, or buddy box.

Currently the instructors have buddy boxes equipped for Futaba brand radios. For other brands, you may have to purchase or borrow a buddy box.

When considering your first radio system, you may wish to spend a little more money for one that has more bells and whistles, such as dual rates, end point adjustment, exponential, multiple models, and so forth, so that it can be used later for more advance airplanes.

Student and Instructor Your instructor assists you while you learn to fly. The instructor guides you through the process of understanding and following the MAAC and ASRCM rules, developing the necessary flying skills, and most important – appreciation of safety.

The first role your instructor will perform will be in having you complete the **ASRCM Flight Training Agreement**. Agreeing to and signing this contract is mandatory.

Instruction It is up to the student to arrange each flight training session. You may use more than one instructor and appreciate that each club instructor may have different techniques.

The order in which the various aspects of the Student Progress Checklist are pursued depends on the instructor, you, and other circumstances.

The Initial Requirements **must** be completed before any flight instruction commences.

Although flight instruction may be intense, as skills are learned, and goals met, the process can be very gratifying.

Flight Test Once the checklist requirements have been accomplished, you can request the **Flight Test**.

The Flight Test will be terminated if any MAAC or ASRCM safety rules are violated.

The Flight Test is comprised of 4 components. The first, **Pre-flight**, is completed only once during the test. The next three components: **Take-Off**, **In Flight**, and **Landing**, must be successfully demonstrated twice, in two consecutive flights.

Pre-flight Aircraft is checked for air worthiness
Correct any noticeable fault with aircraft
Aircraft is securely restrained or tethered
Range test at beginning of flight session
Observing all safety procedures in the pit area

Take-Off Check that all control surfaces are functioning correctly
Determine wind direction
Aware of all flight activity
Announce taxiing for take-off before entering runway

Announce take-off when in position
Straight take off roll
Rotate
Straight and gradual climb out
Initial turn

In Flight Left hand circuit
 Right hand circuit
 Flat Figure 8

Landing Determine wind direction
 Announce landing
 Setting up approach
 Final approach
 Flare
 Roll
 Taxiing back to pilot line

Wings Once you successfully pass the Flight Test – you are certified as a pilot, and as such, can fly on your own and further develop your flying skills.

Always fly safely – safety is everyone’s responsibility, and observe the MAAC field etiquette so both yourself and others enjoy the hobby.

Make ***Flying for Fun*** happen

