

# FLIGHT TRAINING

Note: All maneuvers to be done from pilots left **and** right.

## STUDENT:

Safety Code, Field Rules, Field Etiquette  
Radio range check  
Preflight safety inspection  
Aircraft flight prep  
Start and tune engine  
Taxi instruction

## SOLOED STUDENT:

High-speed taxi  
Controlled take-off  
Aircraft flight trimming  
Safe, predictable flight at altitude  
Controlled landing

## PILOT:

Take-off with rectangular field circuit to altitude  
Straight, level flight – length of runway  
Procedure turns maintaining altitude  
Horizontal figure 8's maintaining altitude  
Rectangular landing circuits  
Climb to stall – power off landing approach  
Join circuit – downwind leg – controlled landing

## INSTRUCTOR:

Pilot test maneuvers PLUS  
Three inside loops  
Half reverse Cuban 8  
Straight inverted flight  
Stall turn  
Cobra roll  
Immelman turn  
Alternating horizontal rolls  
Split S  
Cuban 8

## SHOW PILOT:

Annual status awarded to instructors by Chapter executive/management recognizing flight skills, dedication to safety, service as an instructor and ability to perform flight demonstrations from foreign sites and/or before large congregations of spectators.

## R/C GROUND SCHOOL

**Prerequisite:** MAAC Membership

**Understanding of:**

- MAAC Safety Code
- Club and Field Rules/Etiquette
- Frequency Control

**Preflight Inspection**

Prior to any days flying, perform an examination of the airframe, engine, radio and control linkage installation.

**Radio Range Test**

Prior to any days flying, check battery levels and rang test the radio system consistent with the manufacturers instruction manual.

**Start and Tune Engine**

Gain the ability to safely start and tune an engine for consistent operation.

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Student (Print)

\_\_\_\_\_  
MAAC #

**R/C GROUND SCHOOL COMPLETED**

\_\_\_\_\_  
Instructor (Print)

\_\_\_\_\_  
MAAC #

\_\_\_\_\_  
Date

## R/C PILOT RATING

**Prerequisite:** R/C Ground School

**Alternate Test:** MAAC Sportsman Precision Aerobatics Routine  
(Routine to be tested from left and right)

Take off with rectangular circuit to altitude

Straight and level flight for 300 feet

Procedure turn

Straight flight back

Procedure turn

Horizontal figure 8 maintaining altitude

Left hand rectangular circuit with landing approach and overshoot at 10 feet

Right hand rectangular circuit with landing approach and overshoot at 10 feet

Climb to stall, power off landing approach and overshoot at 10 feet

Join circuit on downwind leg and execute controlled landing

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Student (Print)

\_\_\_\_\_  
MAAC #

### SOLO FLIGHT – TRAINER AIRCRAFT ONLY

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Instructor (Print)

\_\_\_\_\_  
MAAC #

\_\_\_\_\_  
Date

### R/C PILOT RATING ACHIEVED

\_\_\_\_\_  
Instructor (Print)

\_\_\_\_\_  
MAAC #

\_\_\_\_\_  
Date

## R/C INSTRUCTOR RATING

**Prerequisite:** R/C Pilot Rating

**Alternate Test:** MAAC Intermediate Precision Aerobatics Routine  
(Routine to be tested from left and right)

Takeoff

Reverse Cuban 8

Humpty Bump, Pull Push Pull,  $\frac{1}{2}$  roll down

2 Point Roll (thru center)

Stall Turn

3 Inside Loops (at center)

Half Reverse Cuban 8

2 Horizontal Rolls (thru center)

Stall Turn  $\frac{1}{4}$  rolls up & down (at center)

Immelmann turn

1 Outside Loop (at center)

Split S

Square Loop (at center)

Landing

\_\_\_\_\_  
Pilot (Print)

\_\_\_\_\_  
MAAC #

**R/C INSTRUCTOR RATING ACHIEVED**

\_\_\_\_\_  
Instructor (Print)

\_\_\_\_\_  
MAAC #

\_\_\_\_\_  
Date

## R/C SENIOR INSTRUCTOR RATING

**Prerequisite:** R/C Instructor Rating

**Alternate Test:** MAAC Advanced Precision Aerobatics Routine  
(Routine to be tested from left and right)

Takeoff

Stall turn,  $\frac{3}{4}$  rolls (at center)

Humpty Bump, Pull Pull Pull,  $\frac{1}{2}$  roll up

Slow roll (thru center)

Stall Turn

Outside Loop (at center)

Half Cuban 8

Avalanche (at center)

Stall turn,  $\frac{1}{2}$  rolls

Square Loop (at center)

Half Reverse Cuban 8

4 Point Roll (thru center)

Half Square Loop,  $\frac{1}{2}$  roll up

Inverted Humpty Bump Push-Push-Push,  $\frac{1}{2}$  rolls (at center)

Split S

Knife Edge Flight (thru center)

Immelman Turn

3 Turn Spin (at center)

Landing

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Instructor (Print)

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MAAC #

## R/C SENIOR INSTRUCTOR RATING ACHIEVED

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Sr. Instructor (Print)

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MAAC #

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Date

## R/C SHOW PILOT RATING

**Prerequisite:** R/C Senior Instructor Rating

A **SHOW PILOT** must be a superior and responsible flyer that is well aware of the safety and public concerns that are involved in demonstration or show flying.

Additional factors may be considered which include workmanship and reliability of aircraft to be flown in a demonstration or show and the ability of the pilot to retain his composure when exposed to large congregations of spectators and distracting influences.

**SHOW PILOTS** may only be selected and approved by a club or zone executive; each of whom have personally witnessed the flying ability of the candidate.

Under no circumstances should an individual be given a **SHOW PILOT** rating merely because of the desire of that individual.

**SHOW PILOTS** should be the only pilots to fly demonstrations or shows.

\_\_\_\_\_  
Senior Instructor (Print)

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MAAC #

### R/C SHOW PILOT RATING ACHIEVED

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Club President or Zone Director

\_\_\_\_\_  
MAAC #

\_\_\_\_\_  
Date