

## GENERAL GUIDLELINES

1. All flights start with placing your pin on the board and end with taking your pin off the board. Never turn on your transmitter without a pin on the board. If your channel already has a pin on it its your responsibility to find out why. DO NOT assume someone forgot to remove their pin.
2. Use tables, starting stations or some sort of restraint to start engines. If possible try and move your starting equipment out of the way prior to moving your airplane.
3. Carry airplanes in and out of the pit. NEVER taxi behind the flight line.
4. Use pilot stations while flying
5. If PRACTICAL have someone help to carry airplane, spot etc...
6. Announce intentions to other flying pilots when taking off, landing, dead stick etc.
7. Always take off and land into the wind.

Your instructor is \_\_\_\_\_ Phone # \_\_\_\_\_

**Instructor note:** You are to demonstrate each step of the particular lesson to be learned. Show the student what it looks like. When the student understands the procedure and the reasons for it them give them control. You are to initial and date each task when the student has shown he/she has mastered it.

**Student note:** The Diamond Aces Radio Controlled Flying Club and its instructors take no responsibility for any damage to the aircraft or objects which the aircraft comes into contact (ie: motor vehicles) during any training session.

Your instructor has a keen interest in you learning to fly. He/she will work with you to master the skills needed and minimize damage to your equipment. It may be in your best interest to contact your instructor prior to heading to the flying field. If for whatever reason your instructor is not available he/she may be able to arrange a substitute.

On behalf of the Diamond Aces Club and all its members, Welcome!

**Fly safe, Use common sense, HAVE FUN**

## **RADIO**

**Date**

**Initial**

-General functions of transmitter.

-Sticks, trim tabs, switches, functions, location

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-Battery charging guidelines Eg) charge batteries over  
Night the night before flying

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- Frequency location

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## **AIRPLANE**

-General check over paying close attention to radio

Tray, servo install, clevis, linkage, engine mount  
, hinges, control deflection, direction etc.

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-Balance - front to back and side to side

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-Check prop nut and throttle linkage. Engine must be  
Able to be shut off from transmitter

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## **ENGINE**

-Explain basic fuel system and fuelling procedure.

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-Starting procedure including electric starter operation  
Glow-driver and glow plug.

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-Instructor to demonstrate carb setting eg) rich or lean  
And how to identify.

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## **FLYING**

-Basic manoeuvres: left and right turns. Climbing and  
Descending.

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-Trimming procedure

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-Orientation manoeuvres: Horizontal figure 8, tracking  
Over runway at a given height, effects of control  
With aircraft coming toward/away from pilot

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-Stalls and recovery

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**FLYING CONT.**

**Date**

**Initial**

-Take-off

-Ground control of aircraft. Taxi at various speeds  
Both in a straight line and left and right turns.  
Learn to compensate for engine torque at low  
Speeds.

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-Take-off, climb out and trim.

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-Landing

-Rectangular approach pattern

-Establish proper glide slope, speed etc. Flare just before  
Touchdown.

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-Overshoots

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-Touch and go

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-Dead stick demo - instructor only- show proper procedure  
To establish field position eg) "S" turns, short approach  
Etc.

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- "A" wings practice (2x)

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-Recommend for "A" wings flight test

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-Optional basic aerobatic instruction

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**Note:** Your instructor cannot judge your wings flight test. Your instructor will make arrangements for 2 other club members in good standing to review your skills. If 2 members cannot be arranged 1 will do.

- "A" wings flight test passed

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**CONGRADULATIONS ON YOUR NEW WINGS!!!!**

### **"A" LEVEL BASIC CONTROL**

*Before taking the "A" level Wings test the prospective pilot must demonstrate to their instructor that they are capable of flying the test from either direction and have mastered dead stick landing procedures. While these capabilities are not suitable to be demonstrated in a "test" situation they are viewed as mandatory capabilities for competent pilots.*

Candidates must demonstrate on two successive attempts during their examination period

his ability to:

- 1 Take off and land unassisted.
- 2 Maintain straight and level flight parallel to the runway.
- 3 Perform a figure eight.
- 4 Rectangular Approach.
- 5 Land under power.

### **"B" LEVEL INTERMEDIATE CONTROL**

Candidates must demonstrate on two successive attempts during the examination period

their ability to :

- 1 Take off.
- 2 Straight flight out/back
- 3 Procedure turn.
- 4 Two overlapping loops.
- 5 One horizontal role.
- 6 Rectangular approach.
- 7 Landing under power.

### **"C" LEVEL INTERMEDIATE ADVANCED**

Candidate must demonstrate on two successive attempts during the examination period

his ability to:

- 1 Take off.
- 2 Stall turn.
- 3 Two consecutive horizontal turns.
- 4 Immelman Turn.
- 5 Cuban 8.
- 6 Straight inverted flight.
- 7 One outside loop.
- 8 Landing.

### **"D" LEVEL ADVANCED**

Candidate must demonstrate on two successive attempts during the examination period

their ability to:

- 1 Take off.
- 2 Stall turn with 1/2 rolls.
- 3 Three horizontal rolls.
- 4 Three reverse outside loops.
- 5 Horizontal 8.

- 6 Four point roll.
- 7 Three turn spin.
- 8 Landing