EO C431.03 – FLY A RADIO-CONTROLLED AIRCRAFT

1. **Performance**: Fly a Radio-Controlled Aircraft

2. **Conditions**:

   a. Given:

      (1) Radio-controlled aircraft,

      (2) Supervision, and

      (3) Assistance as required.

   b. Denied: Nil.

   c. Environmental: Large indoor area (eg, gymnasium or drill hall) or a large outdoor area for flying a radio-controlled aircraft.

3. **Standard**: The cadet shall fly a radio-controlled aircraft.

4. **Teaching Points**: IAW the instructions supplied with the radio-controlled aircraft and the Model Aeronautics Association of Canada (MAAC) safety code, have the cadet fly a radio-controlled aircraft.

5. **Time**:

a.	Introduction / Conclusion:	10 min
b.	Practical Activity:	80 min
c.	Total:	90 min

6. **Substantiation**: A practical activity was chosen for this lesson as it is an interactive way to introduce the cadets to flying a radio-controlled aircraft in a safe and controlled environment. This activity contributes to the development of skills and knowledge in a fun and challenging setting.

7. **References**: C3-303 *Model Aeronautics Association of Canada Safety Code*. (2008). Retrieved February 5, 2009, from http://www.maac.ca/docs/2007/maac_safety_code_v008sept30_08_english.pdf

8. **Training Aids**: Radio-controlled aircraft.

9. **Learning Aids**: Radio-controlled aircraft.

10. **Test Details**: Nil.

11. **Remarks**:

    a. It is recommended that the three periods required for this EO be scheduled consecutively.

    b. The radio-controlled aircraft can be flown individually or in small groups of two to four cadets.

    c. Assistant instructors are required for this lesson.

    d. Suitable model aircraft may be chosen from the following:

       (1) Blade CX2 / CX3 (radio-controlled electric helicopter),

       (2) Blade MCX (radio-controlled electric helicopter),

       (3) SPAD Debonair (radio-controlled airplane),

       (4) Alpha 40 DSM2 RTF (radio-controlled airplane),

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(5) Vapor Bind-N-Fly / RTF (radio-controlled airplane), and / or

(6) an alternate choice (or choices) selected by the Squadron CO.

e. The helicopter being selected should have the counter-rotating rotor system with a 2.4 GHz radio transmitter.

f. Radio-controlled aircraft simulators such as RealFlight (Knife Edge Software) or FS One (Hangar 9) that run on a personal computer may also be used.

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