EO C570.01 – EXAMINE ASPECTS OF AIRCRAFT MANUFACTURING AND MAINTENANCE THROUGH THE DEVELOPMENT OF AEROBATIC AIRCRAFT

1. **Performance**: Examine Aspects of Aircraft Manufacturing and Maintenance Through the Development of Aerobatic Aircraft

2. **Conditions**:

   a. Given:

      (1) Self-study package,

      (2) Supervision, and

      (3) Assistance as required.

   b. Denied: Nil.

   c. Environmental: Classroom or training area suitable to complete the self-study package.

3. **Standard**: The cadet shall examine aspects of aircraft manufacturing and maintenance through the development of aerobatic aircraft by completing a self-study package.

4. **Teaching Points**: Have the cadet complete the self-study package, which includes examining:

   a. the origin of aerobatic flight,

   b. aircraft development,

   c. modern aerobatic displays, and

   d. Canadian aerobatic teams.

5. **Time**:

a.	Self Study:	90 min
b.	Total:	90 min

6. **Substantiation**: A self study was chosen for this lesson as it allows the cadet to examine in greater detail the aspects of aircraft manufacturing and maintenance through the development of aerobatic aircraft at their own learning pace. This encourages the cadet to become more self-reliant and independent by focusing on their own learning instead of learning directed by the instructor.

7. **References**:

   a. A3-183 Department of National Defence. (2009). *Full history*. Retrieved October 1, 2009, from http://www.snowbirds.dnd.ca/v2/hist/hist2-eng/asp

   b. C3-348 Sport Pilot. (2009). *Aerobatics*. Retrieved October 1, 2009, from http://www.esparacing.com/sport_pilot.htm

   c. C3-349 Jet Fighter School II. (2009). *Introduction to aerobatics*. Retrieved October 1, 2009, from http://www.flightsimbooks.com/jfs2/chapter1.php

   d. C3-350 Model Aviation. (1999). *A short history of aerobatics*. Retrieved October 1, 2009, from http://jmrc.tripod.com/fa/aero.aero1.htm

   e. C3-351 Hickok Sports.com. (2003). *Aerobatics*. Retrieved October 1, 2009, from http://www.hickoksports.com/history.shtm

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8. **Training Aids**: Nil.

9. **Learning Aids**:

    a. Self-study package, and

    b. Pen / pencil

10. **Test Details**: Nil.

11. **Remarks**: Nil.

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