## EO M370.03 – DESCRIBE ROUTINE AIRCRAFT INSPECTION PROCEDURES

1. **Performance.** Describe Routine Aircraft Inspection Procedures.

2. **Conditions**

   a. Given:

      (1) Supervision, and

      (2) Assistance as required.

   b. Denied: N/A.

   c. Environmental: Classroom or training area large enough to accommodate the entire group.

3. **Standard.** The cadet shall describe routine aircraft inspection procedures, to include:

   a. the pilot's inspection prior to flight;

   b. the cockpit check prior to flight; and

   c. required inspection schedules.

4. **Teaching Points**

| TP | Description | Method | Time | Ref |
|---|---|---|---|---|
| TP1 | Describe the pilot's inspection prior to flight, to include:<br>a. overall appearance of the aircraft,<br>b. fuselage/empennage,<br>c. wings,<br>d. fuel,<br>e. engine/propeller,<br>f. instruments check,<br>g. Emergency Locator Transmitter (ELT),<br>h. seat belts, and<br>i. doors and windows. | Interactive Lecture | 10 min | C3-116 (pp. 281–283) |
| TP2 | Describe the pilot's cockpit check prior to flight, to include:<br>a. a written checklist for the specific aircraft type,<br>b. run-up of the engine(s),<br>c. switches,<br>d. flaps set for takeoff, and<br>e. control surface operation. | Interactive Lecture | 10 min | C3-116 (p. 283) |
| TP3 | Discuss an aircraft's required inspections, to include:<br>a. Certificate of Airworthiness (C of A), | Interactive Lecture | 5 min | C3-116 (p. 107) |



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Verify against the official publication.

| TP | Description | Method | Time | Ref |
|---|---|---|---|---|
| | b. Annual Airworthiness Information Report (AAIR), and<br>c. approved maintenance schedules. | | | |

5. **Time**

| | | |
|---|---|---|
| a. | Introduction/Conclusion: | 5 min |
| b. | Interactive Lecture: | 25 min |
| c. | Total: | 30 min |

6. **Substantiation.** An interactive lecture was chosen for this lesson to orient the cadets to routine aircraft inspections, give an overview of them, and to generate interest.

7. **References.** C3-116 (ISBN 0-9680390-5-7) MacDonald, A. F., & Peppler, I. L. (2000). *From the Ground Up: Millennium Edition*. Ottawa, ON: Aviation Publishers Co. Limited.

8. **Training Aids.** Presentation aids (eg, whiteboard/flip chart/OHP/multimedia projector) appropriate for the classroom/training area.

9. **Learning Aids.** Handout of checklist main points.

10. **Test Details.** N/A.

11. **Remarks.** N/A.



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