EO M432.02 – DESCRIBE PROPELLER SYSTEMS

1. **Performance**: Describe Propeller Systems
2. **Conditions**:
   a. Given:
      (1) Supervision, and
      (2) Assistance as required.
   b. Denied: Nil.
   c. Environmental: Classroom or training area large enough to accommodate the entire group.
3. **Standard**: The cadet shall describe propeller systems, to include:
   a. propeller types,
   b. feathering, and
   c. propeller reversing.
4. **Teaching Points**:

TP	Description	Method	Time	Refs
TP1	Describe propeller systems.	Interactive Lecture	10 min	C3-116 (pp. 72–73)
TP2	Describe types of propellers, to include: a. fixed pitch, and b. variable pitch.	Interactive Lecture	10 min	C3-116 (pp. 73–75)
TP3	Describe feathering and propeller reversing.	Interactive Lecture	5 min	C3-116 (p. 75)

5. **Time**:

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

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Verify against the official publication.

6. **Substantiation**: An interactive lecture was chosen for this lesson to clarify, emphasize, and summarize propeller systems.

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**: Nil.

10. **Test Details**: This EO is assessed IAW Chapter 3, Annex B, Aviation Subjects–Combined Assessment PC.

11. **Remarks**: Nil.

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