EO C432.03 – DESCRIBE GAS TURBINE ENGINES

1. **Performance**: Describe Gas Turbine Engines
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 gas turbine engines, to include:
   a. turbojets,
   b. turbofans,
   c. turboprops, and
   d. turboshafts.
4. **Teaching Points**:

TP	Description	Method	Time	Refs
TP1	Describe turbojets.	Interactive Lecture	10 min	C3-116 (pp. 86–87)
TP2	Describe turbofans.	Interactive Lecture	10 min	C3-116 (pp. 87–88)
TP3	Describe turboprops and turboshafts.	Interactive Lecture	5 min	C3-116 (p. 87)

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 clarify, emphasize, and summarize gas turbine engines.
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**: Nil.
11. **Remarks**: Nil.

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