EO C436.01 – EXPLAIN FOG

1. **Performance**: Explain Fog
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 explain:
   a. formation of fog, and
   b. types of fog.
4. **Teaching Points**:

TP	Description	Method	Time	Refs
TP1	Have the cadets perform an experiment to illustrate the formation of fog.	In-Class Activity	10 min	C3-116 (p. 147) C3-200
TP2	Conduct an in-class activity to explain types of fog.	In-Class Activity	15 min	C3-116 (p. 147)

5. **Time**:

a.	Introduction / Conclusion:	5 min
b.	In-Class Activity:	25 min
c.	Total:	30 min

6. **Substantiation**: An in-class activity was chosen for this lesson as it is an interactive way to present the formation and types of fog.
7. **References**:
   a. 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.
   b. C3-200 Weather Wiz Kids. (2008). *Make fog*. Retrieved September 26, 2008, from http://www.weatherwizkids.com/fog.htm
8. **Training Aids**:
   a. Presentation aids (eg, whiteboard / flip chart / OHP / multimedia projector) appropriate for classroom / training area,
   b. Glass jar,
   c. Strainer,

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d. Kettle,

e. Water, and

f. Ice cubes.

9. **Learning Aids**:

a. Glass jar,

b. Strainer,

c. Oven mitts,

d. Water,

e. Rubbing alcohol,

f. Ice cubes,

g. Flip chart paper,

h. Flip chart markers, and

i. From the Ground Up: *Millennium Edition*.

10. **Test Details**: Nil.

11. **Remarks**: Cadets who are qualified Advanced Aviation may assist with this instruction.

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