## EO C436.02 – DESCRIBE SEVERE WEATHER CONDITIONS

1. **Performance**: Describe Severe Weather Conditions
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 severe weather conditions, to include:
   a. thunderstorms,
   b. icing, and
   c. turbulence.
4. **Teaching Points**:

| TP | Description | Method | Time | Refs |
|---|---|---|---|---|
| TP1 | Describe thunderstorms, to include:<br>a. formation,<br>b. dangers, and<br>c. avoidance. | Interactive Lecture | 10 min | C3-116 (pp. 148–151) |
| TP2 | Describe icing, to include:<br>a. types of icing, and<br>b. protection from icing. | Interactive Lecture | 5 min | C3-116 (pp. 153–155) |
| TP3 | Describe types of turbulence, to include:<br>a. mechanical turbulence,<br>b. thermal turbulence,<br>c. frontal turbulence, and<br>d. wind shear. | Interactive Lecture | 10 min | C3-116 (p. 156, pp. 288–289) |

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 introduce the cadets to severe weather conditions 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 classroom / training area.

9. **Learning Aids**: Nil.

10. **Test Details**: Nil.

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



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