EO C336.01 – READ AN AVIATION ROUTINE WEATHER REPORT (METAR)

1. **Performance.** Read an Aviation Routine Weather Report (METAR).

2. **Conditions**

   a. Given:

      (1) METAR,

      (2) Translation key,

      (3) Supervision, and

      (4) 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 read a METAR.

4. **Teaching Points**

TP	Description	Method	Time	Ref
TP1	Describe a METAR, to include: a. definition, b. frequency of reports, c. special weather reports (SPECI), and d. where METARs are available.	Interactive Lecture	10 min	C2-044 (p. 143) C3-116 (p. 160)
TP2	Review terminology used in METARs, to include: a. report type, b. station indicator, c. date and time of observation, d. report modifier, e. wind, f. prevailing visibility, g. runway visual range, h. present weather, i. sky conditions, j. temperature and dewpoint, k. altimeter setting, and l. remarks.	Interactive Lecture	25 min	C2-044 (pp. 143–147) C3-116 (pp. 160–163)
TP3	Demonstrate and have the cadets read a METAR.	In-Class Activity	15 min	

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Verify against the official publication.

5. **Time**

a.	Introduction/Conclusion:	10 min
b.	Interactive Lecture:	35 min
c.	In-Class Activity:	15 min
d.	Total:	60 min

6. **Substantiation**

   a. An interactive lecture was chosen for TPs 1 and 2 to introduce the cadets to a METAR.

   b. An in-class activity was chosen for TP 3 as an interactive way for the cadets to practice reading a METAR.

7. **References**

   a. C2-044 Transport Canada. (2007). *Aeronautical Information Manual*. Retrieved October 2, 2007, from http://tc.gc.ca/publications/EN/TP14371/PDF/HR/TP14371E.PDF.

   b. 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**

   a. Presentation aids (eg, whiteboard/flip chart/OHP/multimedia projector) appropriate for the classroom/presentation area,

   b. MacDonald, A.F., & Peppler, I.L. *From the Ground Up: Millennium Edition*, Aviation Publishers Co. Limited workbook, and

   c. Recent METARs from the local airport.

9. **Learning Aids**

   a. Handout of sample METAR and SPECI, and

   b. Handout of the World Meteorological Organization (WMO) code chart.

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

11. **Remarks.** Recent METARs can be found at http://www.flightplanning.navcanada.ca/cgi-bin/CreePage.pl?Langue=anglais&NoSession=NS_Inconnu&Page=forecast-observation&TypeDoc=html. Click on the METAR/TAF icon and then enter the airport name or identifier.

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