EO M390.01 – IDENTIFY PARTS OF THE COMPASS

1. **Performance.** Identify Parts of the Compass.

2. **Conditions**

   a. Given:

      (1) Compass,

      (2) Supervision, and

      (3) Assistance as required.

   b. Denied: N/A.

   c. Environmental: Field setting during the day.

3. **Standard.** IAW B-GL-382-005/PT-001 *Maps, Field Sketching, Compasses and the Global Positioning System*, the cadet shall:

   a. identify the parts of the compass; and

   b. set a predetermined declination.

4. **Teaching Points**

TP	Description	Method	Time	Ref
TP1	Explain the principles behind the workings of a compass.	Interactive Lecture	5 min	A2-036 (pp. 5-29 to 5-31)
TP2	Identify and describe the parts of the compass, to include: a. sight, b. compass cover, c. sighting mirror, d. sighting line, e. luminous index point, f. compass dial, g. dial graduations, h. orienting arrow, i. romer 1 : 25 000, j. compass base plate, k. declination scale, l. compass meridian lines, m. magnetic needle, n. luminous orienting points, o. luminous index point, p. romer 1 : 50 000, q. safety cord or lanyard,	Interactive Lecture	10 min	A2-041 (pp. 66–67)

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TP	Description	Method	Time	Ref
	r. adjustable wrist lock, s. screwdriver, and t. declination adjustment screw.			
TP3	Explain, demonstrate and have cadets set a predetermined declination, to include: a. defining declination; and b. adjusting the declination on a compass.	Demonstration and Performance	10 min	A2-041 (pp. 67–68)

5. **Time**

a.	Introduction/Conclusion:	5 min
b.	Interactive Lecture:	15 min
c.	Demonstration and Performance:	10 min
d.	Total:	30 min

6. **Substantiation**

   a. An interactive lecture was chosen for TPs 1 and 2 to present background material and introduce the parts of a compass to the cadets.

   b. Demonstration and performance was chosen for TP 3 as it allows the instructor to explain and demonstrate the skill the cadet is expected to acquire while providing an opportunity for the cadets to practice setting a predetermined declination under supervision.

7. **References**

   a. A2-036 A-CR-CCP-121/PT-001 Director Cadets 3. (2003). *Royal Canadian Army Cadet Reference Book*. Ottawa, ON: Department of National Defence.

   b. A2-041 B-GL-382-005/PT-001 Canadian Forces. (2006). *Maps, Field Sketching, Compasses and the Global Positioning System*. Ottawa, ON: Department of National Defence.

8. **Training Aids**

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

   b. Compass.

9. **Learning Aids**

   a. Compass, and

   b. Predetermined declination.

10. **Test Details.** This EO is assessed IAW Chapter 3, Annex B, Appendix 6, (390 PC).

11. **Remarks.** TP 2 may need to be modified to reflect the type of compass used for the lesson.

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