EO C390.04 – ORIENT A MAP USING A COMPASS

1. **Performance.** Orient a Map Using a Compass.

2. **Conditions**

   a. Given:

      (1) Topographical map of the exercise area,

      (2) Compass,

      (3) Predetermined magnetic declination,

      (4) The cadet's location on the map.

      (5) Supervision, and

      (6) Assistance as required.

   b. Denied: N/A.

   c. Environmental: Field setting during the day.

3. **Standard.** IAW B-GL-382-005/PT-001, the cadet shall orient a map using a compass.

4. **Teaching Points**

TP	Description	Method	Time	Ref
TP1	Explain the purpose of orienting a map.	Interactive Lecture	5 min	A2-041 (p. 75)
TP2	Explain, demonstrate and have the cadets practice orienting a map using a compass by: a. identifying the approximate location on the map; b. setting the magnetic declination; c. setting the compass dial to north; d. laying the compass flat on the map with the cover open; e. pointing the mirror to north (top of the map); f. aligning the compass meridian lines with the map easting lines; g. turning the map until the magnetic needle lines up with the orienting arrow; and h. ensuring that all features line up with their positions on the map.	Demonstration and Performance	20 min	A2-041 (p. 76)

5. **Time**

   a. Introduction/Conclusion: 5 min

   b. Interactive Lecture: 5 min

   c. Demonstration and Performance: 20 min

   d. Total:

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30 min

6. **Substantiation**

   a. An interactive lecture was chosen for TP 1 to give the cadets an overview of the purpose of orienting a map.

   b. Demonstration and performance was chosen for TP 2 as it allows the instructor to explain and demonstrate orienting a map using a compass while providing an opportunity for the cadets to practice the skill under supervision.

7. **References.** 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,

   b. Demonstration map,

   c. Topographical map of the exercise area,

   d. Compass,

   e. Predetermined magnetic declination, and

   f. The cadet's location on the map.

9. **Learning Aids**

   a. Topographical map of the exercise area,

   b. Compass,

   c. Predetermined magnetic declination, and

   d. The cadet's location on the map.

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

11. **Remarks.** N/A.

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