EO M222.05 – ORIENT A MAP USING A COMPASS

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

2. **Conditions**:

   a. Given:

      (1) topographical map;

      (2) compass;

      (3) supervision; and

      (4) assistance as required.

   b. Denied: N/A.

   c. Environmental: Field setting during daylight hours, during a navigation/trekking FTX.

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

4. **Teaching Points**:

TP	Description	Method	Time	Refs
TP1	Explain, demonstrate and have cadets practice orienting a map using a compass by: a. setting the magnetic declination; b. setting the compass dial to north; c. laying the compass flat on the map with the cover open; d. pointing the mirror to North (top of the map); e. aligning the compass meridian lines with the map easting lines; and f. turning the map until the magnetic needle lines up with the orienting arrow.	Demonstration and Performance	25 min	A2-041 (p. 76)

5. **Time**:

   a. Introduction / Conclusion: 5 min

   b. Demonstration and Performance: 25 min

   c. Total: 30 min (FIELD)

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6. **Substantiation**: Demonstration and performance was chosen for this lesson as it allows the instructor to explain and demonstrate orienting a map using a compass while providing an opportunity for the cadets to practice this skill under the supervision of an instructor.

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. Topographical map; and

   b. Compass.

9. **Learning Aids**:

   a. Topographical map; and

   b. Compass.

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

11. **Remarks**: This lesson will be conducted with PO M223 (Participate in a Two Day Hike With Some Class 2 Terrain and Obstacles).

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