EO M122.04 – ORIENT A MAP BY INSPECTION

1. **Performance:** Orient a Map by Inspection

2. **Conditions:**

   a. Given:

      (1) Topographical / military maps,

      (2) Supervision, and

      (3) Assistance as required.

   b. Denied: Nil.

   c. Environmental: Field setting during the day with at least three prominent objects that can be viewed / recognized by sight, and located on the given map.

3. **Standard:** The cadet shall orient a map by inspection, by:

   a. selecting two or three prominent objects around their current location and finding them on the map;

   b. rotating the map until all identified objects on the map line up with the direction in which the objects are located on the ground; and

   c. checking visually to ensure that all features to their front are in front of their position on the map.

4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Explain the purpose of orienting a map by inspection.	Interactive Lecture	5 min	A2-004 (Ch 9, art 901)
TP2	Explain and demonstrate how to orient a map, to include: a. identifying approximate location on the map; b. selecting two or three prominent objects around current location and finding them on the map; c. rotating the map until all identified objects on the map line up with the direction in which the objects are located on the ground; and d. checking visually to ensure that all features to the cadet's front are in front of their position on the map.	Demonstration and Performance	20 min	A2-004 (Ch 9, art 902)

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5. **Time:**

a.	Introduction / Conclusion:	5 min
b.	Interactive Lecture:	5 min
c.	Demonstration and Performance:	20 min
d.	Total:	30 min

6. **Substantiation:**

   a. An interactive lecture was chosen for TP 1 to orient the cadets to the purpose of orienting a map by inspection.

   b. A demonstration and performance was chosen for TP 2 as it allows the instructor to explain and demonstrate the procedure for orienting a map by inspection while providing an opportunity for the cadets to practice this skill.

7. **References:** A2-004 B-GL-382-005-FP-001 Canadian Forces. (1976). *Maps, fields, sketching, and compasses* (Vol. 8). Ottawa, ON: The Department of National Defence.

8. **Training Aids:**

   a. Presentation aids (i.e., whiteboard / flipchart / OHP) appropriate for classroom / training area, and

   b. Topographical / military maps of the training area being used.

9. **Learning Aids:** Topographical / military maps of the training area being used.

10. **Test Details:** Nil.

11. **Remarks:** Cadets are to be provided with adequate time during field training exercises to practice this skill (ex. during a day hike).

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