EO M122.01 – IDENTIFY TYPES OF MAPS

1. **Performance:** Identify Types of Maps

2. **Conditions:**

   a. Given:

      (1) Various types of maps,

      (2) Topographical map,

      (3) Supervision, and

      (4) Assistance as required.

   b. Denied: Nil.

   c. Environmental: Classroom or training area large enough to accommodate the entire group.

3. **Standard:** The cadet shall:

   a. identify the following types of maps:

      (1) topographical,

      (2) orienteering,

      (3) street and road, and

      (4) relief; and

   b. fold a topographical map, ensuring that the map identification located in the bottom right corner of the map is displayed for easy reference.

4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Explain the purpose of a map, in that: a. a map is a scale representation of the ground, b. a map uses symbols to represent both physical and man made features found on the ground, c. maps identify locations such as towns, lakes, and rivers, by name, and d. map designs reflect the needs of the users (eg. urban planners, travelers, education, cadets).	Interactive Lecture	5 min	A2-004 (Chap 1, art 1)
TP2	Describe the various types of maps, to include: a. topographical, b. orienteering, c. political, d. street and road, e. statistical, f. digital, including global positioning system,	Interactive Lecture	5 min	A2-004 (Chap 1, art 108, 110 and 111)

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TP	Description	Method	Time	Refs
	g. relief, h. outline, and i. air photo.			
TP3	Describe how to care for a topographical map, to include: a. waterproofing the map; b. drying technique; c. not opening fully in a strong wind; d. using pencil and erasing when work is complete; and e. storing in a dry place, rolled, folded or laid flat.	Interactive Lecture	5 min	A2-004
TP4	Explain, demonstrate, and have cadets practise folding a map by: a. laying the map face up and folding map in half by bringing the top of the map sheet down to the bottom of the map sheet; b. folding the top half of the map sheet up into half again, then turning map over and folding bottom half to match the top half; c. folding the ends of the map into half from left to right; and d. folding each of the open ends back into half again so that the map name and index to adjacent map sheets appear on the outside.	Demonstration and Performance	10 min	A2-004

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, 2 and 3 to introduce the cadets to the purpose, the various types, and the maintenance of maps.

b. A demonstration and performance was chosen for TP 4 as it allows the instructor to explain and demonstrate the folding of a map while providing cadets the opportunity to practise under supervision.

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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,

   b. Various types of maps, to include:

      (1) topographical,

      (2) orienteering,

      (3) political,

      (4) street and road,

      (5) statistical,

      (6) digital, including GPS,

      (7) relief,

      (8) outline, and

      (9) air photo; and

   c. Waterproofing agent for illustration purposes, (e.g., such as waterproof bags, zippertype).

9. **Learning Aids:** Topographical map worksheet, if topographical maps are unavailable.

10. **Test Details:** Nil.

11. **Remarks:**

    a. Types of maps will be limited to what is available at the corps level. Instructors should attempt to obtain as many examples as are available. Where local resources allow, products such as clear contact paper and chemical coating may be demonstrated.

    b. Actual maps are not required to practise folding a map. A topographical map worksheet, 8-1/2-inch by 11-inch sheet of paper, newspaper, or retail flyer may be used to represent a map.

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