EO M122.02 – IDENTIFY MARGINAL INFORMATION AND CONVENTIONAL SIGNS

1. **Performance:** Identify Marginal Information and Conventional Signs

2. **Conditions:**

   a. Given:

      (1) Topographical maps,

      (2) Supervision, and

      (3) Assistance as required.

   b. Denied: Nil.

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

3. **Standard:** The cadet shall identify map sheet features, to include:

   a. marginal information, including:

      (1) name of map sheet,

      (2) number of the map and index of adjoining maps,

      (3) date of map data,

      (4) map scale,

      (5) scale bars,

      (6) contour interval,

      (7) legend of conventional signs,

      (8) military index number,

      (9) declination diagram, and

      (10) universal transverse mercator (UTM); and

   b. conventional signs represented by specific colour.

4. **Teaching Points:**

TP	Description	Method	Time	Refs
TP1	Identify and describe marginal information found on a topographical map, to include: a. name of map sheet, b. number of the map and index of adjoining maps, c. date of map data, d. map scale, e. scale bars or graphic linear scales, f. contour interval, g. legend of conventional signs,	Interactive Lecture	20 min	A2-004 (Ch 3, art 307, ch 2, art 206 and ch 6, art 613)

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TP	Description	Method	Time	Refs
	h. military index number, normally found at the top right corner of the map sheet which is used for ordering additional maps, i. declination diagram, and j. UTM Grid System.			
TP2	Conduct a game where the cadets are required to identify conventional signs by colour, to include: a. red, to include: 1. paved roads and highway numbers, and 2. areas of urban development; b. orange, unpaved roads, c. black, to include: 1. cultural features, 2. toponyms (place names), 3. precise elevations, and 4. some symbols; d. brown, to include: 1. contour lines, 2. contour elevations, 3. spot elevations, 4. sand, 5. cliffs, and 6. other geographical features; e. blue, to include: 1. water, 2. permanent ice features, 3. names of water features, and 4. grid lines; f. green, vegetation features (woods, orchards, and vineyards), g. grey, legend of conventional signs, and h. purple, updates over the original map.	In-Class Activity	30 min	A2-004 (Ch 4, art 404, art 406, dia 4-1)

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5. **Time:**

a.	Introduction / Conclusion:	10 min
b.	Interactive Lecture:	20 min
c.	In-Class Activity:	30 min
d.	Total:	60 min

6. **Substantiation:**

   a. An interactive lecture was chosen for TP 1 to orient the cadets to marginal information and generate interest.

   b. An in-class activity was chosen for TP 2 as an interactive way to provoke thought and stimulate interest in conventional signs.

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 maps.

9. **Learning Aids:** Topographical maps.

10. **Test Details:** Nil.

11. **Remarks:** Nil.

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