EO M390.02 – IDENTIFY MARGINAL INFORMATION AND CONVENTIONAL SIGNS

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

2. **Conditions**

   a. Given:

      (1) Topographical map,

      (2) Supervision, and

      (3) Assistance as required.

   b. Denied: N/A.

   c. Environmental: Field setting during the day.

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

   a. marginal information, to include:

      (1) name of the map sheet,

      (2) number of the map sheet 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) grid system; and

   b. conventional signs represented by a specific colour.

4. **Teaching Points**

TP	Description	Method	Time	Ref
TP1	Identify and describe marginal information on a topographical map, to include: a. name of the map sheet, b. number of the map sheet and index of adjoining maps, c. date of map data, d. map scale, e. scale bars, f. contour interval, g. legend of conventional signs,	Interactive Lecture	20 min	A2-041 (pp. 7–13)

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TP	Description	Method	Time	Ref
	h. military index number, i. declination diagram, and j. UTM grid system.			
TP2	Conduct an activity where the cadets 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, which represents 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, which represents vegetation features (woods, orchards, and vineyards); g. white, which represents open fields; h. grey, which represents the legend of conventional signs; and i. purple, which represents updates over the original map.	In-Class Activity	30 min	A2-041 (pp. 19–26)

5. **Time**

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

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6. **Substantiation**

   a. An interactive lecture was chosen for TP 1 to introduce the details of marginal information to the cadet.

   b. An in-class activity was chosen for TP 2 as it is an interactive way to introduce conventional signs to the cadet.

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, and

   b. Topographical maps.

9. **Learning Aids.** Topographical map.

10. **Test Details.** This EO is assessed IAW Chapter 3, Annex B, Appendix 6, (390 PC).

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

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