EO C240.04 – NAVIGATE WITH A GLOBAL POSITIONING SYSTEM (GPS)

1. **Performance**: Navigate With a Global Positioning System (GPS)

2. **Conditions**:

   a. Given:

      (1) GPS (one per five cadets) (Type TBD);

      (2) Supervision; and

      (3) Assistance as required.

   b. Denied: N/A.

   c. Environmental: Field setting during the day, large enough to accommodate the entire group.

3. **Standard**: In accordance with specified references, and in a group of no more than five, the cadet shall navigate with a GPS on a field exercise.

4. **Teaching Points**:

TP	Description	Method	Time	Refs
TP1	Describe the GPS, to include: a. what is a GPS; b. how accurate is a GPS; c. the GPS satellite system; and d. the source of GPS signal errors.	Interactive Lecture	5 min	See Remarks para 11.b. C3-117
TP2	Explain what a GPS tells the user, to include: a. standard features, to include: 1. your position – coordinates and elevation; 2. distance to a waypoint; 3. speed of travel; 4. direction of travel (may not work in low speeds); 5. estimated time of arrival; and 6. cross track error (lateral distance off a straight line course); and b. extra features, to include: 1. built-in maps; 2. sunrise/sunset; 3. signal strength indicators; 4. battery strength indicators; 5. audible alarm; and 6. course deviation errors.	Demonstration and Performance	10 min	See Remarks para 11.b. C3-117

Unofficial convenience copy of A-CR-CCP-802/PG-001, cached 2026-11-08 from https://app.cadets.gc.ca/cadet-publications/A-CR-CCP-802-PG-001/A-CR-CCP-802-PG-001.pdf.
Verify against the official publication.

TP	Description	Method	Time	Refs
TP3	Operate the GPS, to include: a. turn on and initialize the GPS; b. review the various screens; c. identify battery strength; d. locate your current grid reference; e. identify your direction of travel; f. set your current waypoint; g. set a waypoint (not your current position); h. set the go-to to a preset waypoint; and i. turn off the GPS.	Practical Activity	20 min	See Remarks para 11.b. C3-117
TP4	Navigate a route.	Practical Activity	50 min	

5. **Time**:

a.	Introduction / Conclusion:	5 min
b.	Interactive Lecture:	5 min
c.	Demonstration and Performance:	10 min
d.	Practical Activity:	70 min
e.	Total:	90 min

6. **Substantiation**:

   a. An interactive lecture was chosen for TP1 to introduce a new subject and give an overview of GPS navigation.

   b. Demonstration and performance was chosen for TP2 as it allows the instructor to explain and demonstrate navigating with a GPS while providing an opportunity for the cadet to practice the skill under supervision.

   c. A practical activity was chosen for TP3 and TP4 as it is an interactive way to introduce cadets to navigating with a GPS. This activity contributes to the development of these skills and knowledge in a fun and challenging setting.

7. **References**:

   a. See Remarks 11.b.

   b. C3-117 (ISBN 0-96-522025-7) Ferguson, M. H. (1996). *GPS Land Navigation: A Complete Guide Book for Backcountry Users of the NAVSTAR Satellite System.* Calgary, AB: Glassford Publishing.

   c. C3-132 (ISBN 1-894765-48-6) Letham, L. (2003). *GPS Made Easy.* Surrey, BC: Rocky Mountain Books.

8. **Training Aids**:

   a. GPS (Type TBD); and

   b. GPS User’s Guide.

Unofficial convenience copy of A-CR-CCP-802/PG-001, cached 2026-11-08 from https://app.cadets.gc.ca/cadet-publications/A-CR-CCP-802-PG-001/A-CR-CCP-802-PG-001.pdf.
Verify against the official publication.

9. **Learning Aids**: GPS (one per five cadets) (Type TBD).

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

11. **Remarks**:

    a. This lesson will be presented during the field exercise associated with PO 290 (Participate in a Field Exercise).

    b. The reference information for this EO will be contained in the User's Guide for the GPS selected for training.

Unofficial convenience copy of A-CR-CCP-802/PG-001, cached 2026-11-08 from https://app.cadets.gc.ca/cadet-publications/A-CR-CCP-802-PG-001/A-CR-CCP-802-PG-001.pdf.
Verify against the official publication.

THIS PAGE INTENTIONALLY LEFT BLANK

Unofficial convenience copy of A-CR-CCP-802/PG-001, cached 2026-11-08 from https://app.cadets.gc.ca/cadet-publications/A-CR-CCP-802-PG-001/A-CR-CCP-802-PG-001.pdf.
Verify against the official publication.