EO M423.04 – PLOT A FIX

1. **Performance**: Plot a Fix

2. **Conditions**:

   a. Given:

      (1) Chart 3441 *Haro Strait, Boundary Pass and / et Satellite Channel*,

      (2) Navigation instruments,

      (3) Supervision, and

      (4) Assistance as required.

   b. Denied: Nil.

   c. Environmental: Classroom or training area large enough to accommodate the entire group with tables suitable for chartwork.

3. **Standard**: The cadet shall plot a fix using:

   a. line of position fix,

   b. navigational track, and

   c. dead reckoning.

4. **Teaching Points**:

TP	Description	Method	Time	Refs
TP1	Explain, demonstrate and have the cadets plot a position on a chart using a line of position fix.	Demonstration and Performance	10 min	C1-164 (pp. 207–208, pp. 224–229)
TP2	Explain, demonstrate and have the cadets plot a navigational track on a chart.	Demonstration and Performance	10 min	C1-165 (p. 211)
TP3	Explain, demonstrate and have the cadets plot a dead reckoning position on a chart.	Demonstration and Performance	10 min	C1-170 (pp. 91–101)
TP4	Conduct an activity where the cadets will plot a fix by using: a. line of position fix, b. navigational track, and c. dead reckoning.	Practical Activity	20 min	C1-164 (pp. 207–208, pp. 224–229) C1-165 (p. 211) C1-170 (pp. 91–101)

5. **Time**:

   a. Introduction / Conclusion: 10 min

   b. Demonstration and Performance: 30 min

Unofficial convenience copy of A-CR-CCP-604/PG-001, cached 2026-11-08 from https://app.cadets.gc.ca/cadet-publications/A-CR-CCP-604-PG-001/A-CR-CCP-604-PG-001.pdf.
Verify against the official publication.

c.	Practical Activity:	20 min
d.	Total:	60 min

6. **Substantiation**:

   a. A demonstration and performance was chosen for TPs 1–3 as it allows the instructor to explain and demonstrate types of fixes while providing an opportunity for the cadets to practice the skills under supervision.

   b. A practical activity was chosen for TP 4 as it is an interactive way for the cadets to plot a fix on a chart. This activity contributes to the development of navigation skills in a fun and challenging way.

7. **References**:

   a. C1-164 C-57-007-002/AF-001 Royal Navy. (1987). *Admiralty manual of navigation* (Vol. 1). (Rev. 1987). London, England: Her Majesty's Stationery Office.

   b. C1-165 ISBN 1-57409-052-6 Larkin, F. (1998). *Basic coastal navigation*. Dobbs Ferry, NY: Sheridan House Inc.

   c. C1-170 ISBN 0-9694958-0-3 Saunders, A. E. (1990). *Small craft piloting & coastal navigation*. Halifax, NS: Binnacle Navigation Instruments.

8. **Training Aids**:

   a. Presentation aids (eg, whiteboard / flip chart / OHP) appropriate for the classroom / training area,

   b. Chart 3441 *Haro Strait, Boundary Pass and / et Satellite Channel*, and

   c. Navigation instruments.

9. **Learning Aids**:

   a. Plot a Fix handout,

   b. Chart 3441 *Haro Strait, Boundary Pass and / et Satellite Channel* (one per two cadets),

   c. Navigation instruments (one set per two cadets), and

   d. Fixing exercises.

10. **Test Details**: This EO is assessed IAW Chapter 3, Annex B, 423 PC.

11. **Remarks**: Nil.

Unofficial convenience copy of A-CR-CCP-604/PG-001, cached 2026-11-08 from https://app.cadets.gc.ca/cadet-publications/A-CR-CCP-604-PG-001/A-CR-CCP-604-PG-001.pdf.
Verify against the official publication.