EO C423.02 – PLOT A POSITION USING A HORIZONTAL ANGLE FIX

1. **Performance**: Plot a Position Using a Horizontal Angle 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 position using a horizontal angle fix.

4. **Teaching Points**:

TP	Description	Method	Time	Refs
TP2	Explain, demonstrate and have the cadets plot a position on a chart using a horizontal angle fix.	Demonstration and Performance	25 min	C1-164 (pp. 224–229)
TP2	Conduct an activity where the cadets will plot positions on a chart using horizontal angle fixes.	Practical Activity	25 min	C1-164 (pp. 224–229)

5. **Time**:

   a. Introduction / Conclusion: 10 min

   b. Demonstration and Performance: 25 min

   c. Practical Activity: 25 min

   d. Total: 60 min

6. **Substantiation**:

   a. A demonstration and performance was chosen for TP 1 as it allows the instructor to explain and demonstrate plotting a position using a horizontal angle fix while providing an opportunity for the cadets to practice the skill under supervision.

   b. A practical activity was chosen for TP 2 as it is an interactive way for the cadets to plot a position on a chart using a horizontal angle fix. This activity contributes to the development of navigation skills in a fun and challenging way.

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Verify against the official publication.

7. **References**: 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.

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

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

   c. Plotting exercises.

10. **Test Details**: Nil.

11. **Remarks**: This lesson requires the use of a station pointer, which is a navigation instrument that the cadets have not been introduced to previously.

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