ANNEX B, APPENDIX 5

423 PC
ASSESSMENT INSTRUCTIONS

PREPARATION

PRE-ASSESSMENT INSTRUCTIONS

Review the assessment plan, assessment instructions and 423 PC Assessment Checklist, 423 PC Worksheet, and the 423 PC Worksheet Answer Key and become familiar with the material prior to conducting the assessment.

This PC will be conducted during two periods set aside for this PC.

Photocopy the 423 PC Assessment Checklist and 423 PC Worksheet for each cadet.

PRE-ASSESSMENT ASSIGNMENT

Nil.

ASSESSMENT METHOD

Selected response (short answer) and performance assessment were chosen to assess the cadet's ability to locate a position on a chart.

CONDUCT OF ASSESSMENT

PURPOSE

The purpose of this PC is to assess the cadet's ability to locate a position on a chart.

RESOURCES

- Navigation Instruments,
- *Chart 3441 Haro Strait, Boundary Pass and / et Satellite Channel*,
- 423 PC Worksheet (Chart 3441 Fixing Paper), and
- 423 PC Worksheet - Answer Key (Chart 3441 Fixing Paper).

ASSESSMENT ACTIVITY LAYOUT

Place *Chart 3441* and navigation instruments on each table.

ASSESSMENT ACTIVITY INSTRUCTIONS



The cadet is required to complete this PC independently. Questions to the instructor are permitted to clarify or amplify information found in the PC.

If the class is too large to be accommodated by equipment available, split the group into two groups and have one group work on Section D while the other group works on the other sections. Once both groups are completed, they can switch. Account for time limit accordingly.

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The cadet may be provided limited assistance (eg, general reminders, guided questions).

1. Cadets will complete the fixing paper individually.
2. Distribute a fixing paper to each cadet.
3. Cadets will have 55 minutes to complete the fixing paper.
4. Once the fixing paper is complete, correct the cadets' answers using the answer key.
5. Fixing paper will be scored out of a total of 60 points. Marking criteria for the fixing paper will be:
   a. **Section A.** One point for each correct response, for a total of eight points.
   b. **Section B.** Three points for each correct response (plus or minus 0.5 NM) for a total of six points.
   c. **Section C.** Three points for each correct response (plus or minus 10 minutes), for a total of six points.
   d. **Section D.** Possible six points per fix for a total of 36 points. Marking criteria for each fix will be:
      (1) two points for accuracy,
      (2) one point for accuracy of the navigational track,
      (3) two points for accuracy of DRs, and
      (4) one point for correct labelling.
      (5) two points for correctly answering the bonus question.
6. Record the results of the on the Assessment Checklist.

POST ASSESSMENT INSTRUCTIONS

RECORDING ASSESSMENT RESULTS

1. Indicate the overall performance assessment on the Assessment Checklist as:
   a. **Incomplete.** The cadet has not achieved the performance standard by completing the PC with a mark of less than 60 percent (36 / 60) in three attempts or did not attempt the PC;
   b. **Completed with difficulty.** The cadet has achieved the performance standard by completing the PC with a mark of 60 percent (36 / 60) or more but required more than one attempt;
   c. **Completed without difficulty.** The cadet has achieved the performance standard by completing the PC with a mark of 60 percent (36 / 60) but less than 90 percent (54 / 60) on the first attempt; or
   d. **Exceeded standard.** The cadet has achieved the performance standard by completing the PC with a mark of 90 percent (54 / 60) or more on the first attempt.
2. Record notes made in the assessor’s comments section of the Assessment Checklist.
3. Sign and date the Assessment Checklist. Indicate the level of performance on the Phase Four Qualification Record, located in Chapter 3, Annex C.

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PROVIDING ASSESSMENT FEEDBACK

Discuss the overall performance results with the cadet and provide them with a copy of the Assessment Checklist.

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S351 PC WORKSHEET – ANSWER KEY

CHART 3441 FIXING PAPER

Section A—Find the required information on the chart:

What is the scale of this chart? **1 : 40 000**

How are depths measured in this chart? **In metres**

What date was the Traffic Separation Scheme revised from Victoria to Vancouver?

July 1, 2005

Identify the chart numbers for:

Eastern end of President Channel: **Chart 18421 USA**

Bedwell Harbour: **Chart 3477**

Fulford Harbour: **Chart 3478**

Areas North of Burgoyne Bay: **Chart 3442**

What is the date this chart has been corrected to? **October 10, 2008**

Section B—Measure the distance:

Number	From	To	Distance
1.	Dock I. light 48° 40.50' N 123° 21.40' W	Canoe Rk. Light 48° 44.00' N 123° 20.43' W	3.88 NM
2.	Gowlland Pt. light 48° 44.15' N 123° 11.05' W	Turn Pt. light 48° 41.34' N 123° 14.25' W	3.6 NM

Section C—Find the latitude and longitude or symbols specified:

Number	Latitude	Longitude	Symbol
1.	48° 41.34' N	123° 14.25' W	Turn Pt. light
2.	48° 45.9' N	123° 18.3' W	Beddis Rk.

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Section D— Plot the following fixes complete with navigational track and two DRs (at 6 and 12 minutes):

Time	Fix		Symbol for accuracy check
0700	48° 36.00' N 123° 04.00' W Course Speed	 014° 4 knots	**Parallel and Meridian lines**
0800	LHE Flattop I. Pt. Disney Course Speed	072° 002° 330° 6 knots	**Presidents Channel** **158 m mark**
0900	Sandy Pt. Pt. Disney Course Speed	000° 109° 330° 6 knots	**Cowlitz Bay on Waldron Island**
1000	Taylor Pt. RHE Java I. Course Speed	341° 005° 245° 6 knots	**MSh mark under Boundary Pass**
1100	Turn Pt. light Pt. Fairfax light Course Speed	025° 315° 160° 15 knots	**Lower left corner Special Note symbol in Haro Strait**
1200	48° 36.60' N 123° 10.40' W Course Speed	 335° 11 knots	**Roche Harbor on San Juan Island**

****** BONUS QUESTION *****

Which of the fixes in Section D will place you "aground" after you DR? **1200 fix**

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423 PC WORKSHEET

CHART 3441 FIXING PAPER

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423 PC ASSESSMENT CHECKLIST

Cadet's Name: _____ Corps: _____

Date: _____ Division: _____

Assessor's Feedback:

Fixing Paper Mark:_____%

	PO 423 Overall Assessment			
Check One	**Incomplete**	**Completed With Difficulty**	**Completed Without Difficulty**	**Exceeded Standard**
Overall Performance	The cadet has not achieved the performance standard by completing the PC with a mark of less than 60 percent in three attempts or did not attempt the PC.	The cadet has achieved the performance standard by completing the PC with a mark of 60 percent or more but required more than one attempt.	The cadet has achieved the performance standard by completing the PC with a mark of 60 percent but less than 90 percent on the first attempt.	The cadet has achieved the performance standard by completing the PC with a mark of 90 percent or more on the first attempt.

Assessor's Name:	**Position:**
Assessor's Signature:	**Date:**

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